MUNDY LANDFILL

MANSFIELD, LOUISIANA
FACILITY NO. D-031-1827
PERMIT NO. P-0035R1
AI #19803

PERMIT MODIFICATION NO. 1
CELL VIII EXPANSION
(FINAL COPIES)

Submitted to

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
BATON ROUGE, LOUISIANA

By

DESOTO PARISH POLICE JURY
MANSFIELD, LOUISIANA
JUNE, 2008

VOLUME I

JONES ENVIRONMENTAL, INC.
708 Milam Street, Suite 100
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Tel: (318) 226-8444
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PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
DESOTO PARISH POLICE JURY/MUNDY LANDFILL
TECHNICALLY COMPLETE SOLID WASTE PERMIT MODIFICATION APPLICATION

The LDEQ, Office of Environmental Services, has determined that a Solid Waste Permit Modification Application for the DeSoto Parish Police Jury, Post Office Box 898, Mansfield, Louisiana 71052 for the Mundy Landfill is technically complete and acceptable for public review. **The facility is located one (1) mile west of Interstate 49, on U.S. Highway 84; six (6) miles east of Mansfield, DeSoto Parish.**

DeSoto Parish Police Jury proposes to increase the volume of waste and the permitted capacity of the landfill with a lateral expansion and raise the elevation of two wells.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, August 28, 2008.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The Technically Complete Solid Waste Permit Modification is available for review at the LDEQ Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov**.

An additional copy may be reviewed at the DeSoto Parish Library, Headquarters, 109 Crosby Street, Mansfield, LA 71052. Additional copies are also available at the DeSoto Parish Police Jury Office, 101 Franklin Street, Mansfield, LA 71052 and the LDEQ, Northwest Regional Office, 1525 Fairfield, Room 520, Shreveport, LA 71101.

Inquiries or requests for additional information regarding this permit action should be directed to Sonya Eastern, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3551.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to general information from the technically complete solid waste permit application can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm

All correspondence should specify AI Number 19803, Permit Number P-0035R1, and Activity Number PER20060002.

Scheduled Publication Date: July 24, 2008

form_7131_r01
04/30/07

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL SERVICES

JUL 0 8 2008

Certified Mail 7003 2260 0005 9323 2260

Mr. Bernon Thomas, Parish Administrator
DeSoto Parish Police Jury
Post Office Box 898
Mansfield, Louisiana 71052

RE: Technically Complete Determination
Mundy Landfill - Modification #1 for Permit P-0035R1
AI# 19803/ P-0035R1
DeSoto Parish

Dear Mr. Thomas:

The Waste Permits Division is in receipt of the final copies of your permit application dated June 2, 2008. After reviewing these documents, we have determined that your application is technically complete and acceptable for public review.

The Environmental Assistance Division will distribute copies of your application for public review and place public notices in the appropriate newspapers in accordance with LAC 33:VII.513.F.3. Please contact Ms. Soumaya Ghosn at (225) 219-3276 for the date of publication and the dates for the comment period. At the conclusion of the comment period, we will consider all comments before rendering a permit decision regarding your application.

Please continue to reference your Agency Interest Number (19803) and Facility Identification Number (D-031-1827) and Permit Activity Number (PER20060002) on all future correspondence regarding this matter. If you have any questions, please contact Ms. Sonya Eastern of the Solid Waste Permits Division at (225) 219-3551.

Sincerely,

Bijan Sharafkhani, P.E.
Administrator
Waste Permits Division

se
c: Janaye Tate – Waste Permit Division
Dru Trahan – Waste Permits Division

COPY

Jones Environmental, Inc.

708 Milam Street, Suite 100 Shreveport, LA 71101
Tel: (318) 226 - 8444 Fax: (318) 226 - 0381

Ardaman & Associates, Inc.
(Formerly Soil Testing Engineers, Inc.)
316 Highlandia Drive Baton Rouge, LA 70810
Phone: (225) 752 - 4790 Fax: (225) 752 - 4878

June 2, 2008

original to IOSW
Sm
copy to SW/G3/Thomas
PAAR

Louisiana Department of Environmental Quality
Office of Environmental Services
P.O. Box 4313
Baton Rouge, LA 70821-4313

Attn: Mr. Bijan Sharafkhani, P.E.
Administrator, Waste Permits Division

RECEIVED
JUN 04 2008
LDEQ

Re: Final Copies with Addendum
Modification #1 to Renewed Permit (P-0035R1)
Mundy Landfill – DeSoto Parish
D-031-1827/**AI# 19803**/PER 20060002

Dear Mr. Sharafkhani:

As authorized by the DeSoto Parish Police Jury, we are submitting the final copies of Permit Modification No. 1 for the Cell VIII Expansion with Addendum. The addendum to the final copies includes previously approved changes to the responses to LAC 33:VII.521.A.2.a, 521.L.3, and 521.L.4; a new Appendix I (Financial Assurance); and a new Table 6 and Drawing STE-S12 (Appendix S). Also included are an updated emergency notification roster (Appendix C) and necessary changes to the binder covers, the title pages, the Table of Contents, and various indexes.

Please feel free to contact me at (318-323-3307) or Dr. de Abreu (225-752-4790) should you have any questions. We appreciate the consideration you have extended to the Police Jury in the past, and look forward to your prompt and favorable this document.

Sincerely,
Jones Environmental, Inc.

Sarah E. Moore
Staff Geologist

Ardaman & Associates, Inc.
(formerly Soil Testing Engineers, Inc.)

Ricardo Abreu
Dr. Ricardo de Abreu, P.E.
Senior Engineer

Copies submitted: 6

PERMIT MODIFICATION NO. 1
(CELL VIII EXPANSION)
TO PERMIT RENEWED 2005

VOLUME I

MUNDY LANDFILL
MANSFIELD, LOUISIANA
FACILITY NO. D-031-1827
PERMIT NO. P-0035R1
AGENCY INTEREST NO. 19803

SUBMITTED TO:
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
BATON ROUGE, LOUISIANA

SUBMITTED BY:
DESOTO PARISH POLICE JURY
MANSFIELD, LOUISIANA

June 2, 2008

PREPARED BY:

JONES ENVIRONMENTAL, INC.
708 MILAM STREET, SUITE 100
SHREVEPORT, LA 71101

ARDAMAN & ASSOCIATES, INC.
(FORMERLY SOIL TESTING ENGINEERS, INC.)
316 HIGHLANDIA DRIVE
BATON ROUGE, LA 70810

PERMIT MODIFICATION NO. 1
CELL VIII - PERMIT P-0035R1

TABLE OF CONTENTS

Section **Page**

ADDENDUM 1701 ..... **iv**

1.0 INTRODUCTION **1**

2.0 MODIFICATION NO. 1 REQUEST **2**
- 2.1 General Description 2
  - *2.1.1 Cell VIII - A Lateral Expansion* 2
  - *2.1.2 Well Elevation Increases* 2
- 2.2 Liner/Leachate Collection Systems 2
  - *2.2.1 Liner/Leachate Collection System Description* 2
  - *2.2.2 Quality Assurance* 3
- 2.3 Final Cover 3
- 2.4 Gas Collection System 4

3.0 ENVIRONMENTAL CONSIDERATIONS **5**

4.0 CELL VIII DESIGN CONSIDERATIONS **6**
- 4.1 Geology 6
- 4.2 Slope Stability 6
- 4.3 Settlement 6
- 4.4 Bottom Heave 7
- 4.5 Surface Water Runoff and Erosion Control 7
- 4.6 Leachate Collection System 7
- 4.7 Surface Water Run-on Control 7
- 4.8 Groundwater Monitoring 8
- 4.9 Closure/Post-Closure Care Costs 8

5.0 SUMMARY **9**

PERMIT MODIFICATION NO. 1
CELL VIII - PERMIT P-0035R1

TABLE OF CONTENTS

ATTACHMENTS

ATTACHMENT A - REVISIONS TO THE ORIGINAL PERMIT RENEWAL APPLICATION

- **A-1** Introduction & Certifications
- **A-2** Part II - Supplementary Information (Responses to LAC 33:VII.521)
- **A-3** Appendix A - Site Information
- **A-4** Appendix B - Environmental Resources Information and Correspondence
- **A-5** Appendix C - Operational Information
- **A-6** Appendix E - Surface Water Controls
- **A-7** Appendix F - Groundwater Sampling and Analysis Plan
- **A-8** Appendix I - Financial Assurance
- **A-9** Appendix L - Closure Plan

ATTACHMENT B - ENVIRONMENTAL ASSESSMENT STATEMENT - CELL VIII

ATTACHMENT C - NEW APPENDIX S TO THE PERMIT RENEWAL APPLICATION

- **S-1 SITE INFORMATION AND CORRESPONDENCE**
  - **S-1a** Wetlands Determination
  - **S-1b** Department of Wildlife & Fisheries Response
  - **S-1c** Department of Culture, Recreation, and Tourism Response
  - **S-1d** Phase I Cultural Resources Survey
  - **S-1e** LDOTD List of Registered Water Wells
- **S-2 2005 GEOLOGIC INVESTIGATION**
  - **S-2a** 2005 Soil Boring Logs
  - **S-2b** 2005 Monitoring and Piezometer Well Construction Diagrams
  - **S-2c** 2005 Monitoring and Piezometer Well Registrations
  - **S-2d** Tables
    - 1 Summary of Soil Boring Logs
    - 2 Monitoring and Piezometer Well Characteristics
      - 2A - Zone C
      - 2B - Zone G1
      - 2C - Zone G2

PERMIT MODIFICATION NO. 1
CELL VIII - PERMIT P-0035R1

TABLE OF CONTENTS

ATTACHMENTS (cont.)

ATTACHMENT C - NEW APPENDIX S TO THE PERMIT RENEWAL APPLICATION (Continued)

S-2 2005 GEOLOGIC INVESTIGATION (Continued)

S-2d Tables (continued)

3 Summary of Groundwater Elevation Data
3A - Zone C Monitoring & Piezometer Wells
3B - Zone G1 Monitoring & Piezometer Wells
3C - Zone G2 Monitoring & Piezometer Wells

4 Gauging and Elevation Data, Sedimentation, Oxidation, & Polishing Ponds

5 Preliminary Installation Data for New Monitoring Wells

6 Oil and Gas Wells

S-3 ENGINEERING CALCULATIONS

S-3a Slope Stability Calculations
S-3b Storm Water Management Calculations
S-3c Soil Loss Calculations
S-3d Settlement Calculations
S-3e Leachate Production Analysis
S-3f Leachate Pipe Structural Stability Analysis

S-4 2006 PERMIT DRAWINGS

Drawings STE-S1 through STE-S12
Drawings JEI-S1 through JEI-S53

Media Type (check one)

Hazardous Waste ☐ Air ☐
Solid Waste ☒ Water ☐
Radiation Licensing ☐

Agency Interest Number: 19803____

Is this a copy of a previously submitted form? Yes ☒ No ☐
If yes, indicate the original submittal date: January 11, 2002
If yes, indicate the original permit number: P-0035-R1

Department of Environmental Quality Permits Division P.O. Box 4313 Baton Rouge, LA 70821-4313 (225) 219-3181	**Addendum to Permit Applications per LAC 33:I.1701**	

Please Type Or Print	Company Name DeSoto Parish Police Jury	☒ Owner ☐ Operator	For Permits Division Use Only
	Parent Company (if Company Name given above is a division)		
	Plant name (if any) Mundy Landfill D-031-1827		
	Nearest town: Mansfield, Louisiana Parish where located: DeSoto Parish		

Use attachments to provide the required information. "NA" is not an acceptable answer. If a particular section does not apply to you, explain why.

1. Please provide a list of the states where you, as applicant*, have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying. **Louisiana**

   *This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.

2. Do you owe any outstanding fees or final penalties to the Department? No☒ Yes☐ If yes, please explain.

3. Is your company a corporation or limited liability company? No☒ Yes☐ If yes, attach a copy of your company's Certificate of Registration and/or Certificate of Good Standing from the Secretary of State.

Certification:

I certify, under provisions in Louisiana and United States law which provide criminal penalties for false statements, that based on information and belief formed after reasonable inquiry, the statements and information contained in this Addendum to the Permit Application, including all attachments thereto are true, accurate, and complete.

Responsible Official

Name Bryant Yopp	City Mansfield	State LA	Zip 71052
Title President	Business phone 318-872-0738		
Company DeSoto Parish Police Jury	Signature of responsible official(s) Bryant Yopp		
Suite, mail drop, or division	Date 5-28-08		
Street or P.O. Box P.O. Box 898			

1.0 INTRODUCTION

On April 30, 1985, the Louisiana Department of Environmental Quality (LDEQ) issued Standard Permit P-0035 allowing the DeSoto Parish Police Jury to operate a Type II municipal solid waste facility near the town of Mansfield, Louisiana. The site is located in Sections 3 and 4, Township 12 North, Range 12 West, at approximately north latitude 32 degrees 03 minutes 30 seconds and west longitude 93 degrees 35 minutes 30 seconds. A general location map for the facility is included as drawing STE-S1 in Attachment C. This facility, the Mundy Landfill, has a permit renewed by LDEQ in 2004 under the number P-0035/R1. This is the first modification to that permit.

Presently, waste is being placed in Cell VII, Phase 1. This cell is filling quickly and more airspace is needed to continue operation of Mundy Landfill. In order to continue providing its citizens with environmentally sound and economical disposal of their solid wastes, the DeSoto Parish Police Jury wishes to increase the permitted capacity of the facility. At the current receiving waste rates, Cell VIII will provide the facility with at least 30 more years of airspace (based on receiving waste rates of 2005). Cell VIII involves a significant lateral expansion of the waste disposal area beyond its currently permitted boundaries, but still within facility-owned property. Drawing STE-S4 in Attachment C shows the approximate location of Cell VIII. None of the changes, modifications, and/or exemptions requested herein will have any adverse environmental impact or any ill effect on the health and safety of the State of Louisiana, DeSoto Parish, or the area immediately surrounding the landfill.

This modification is also necessary to gain permission to raise the elevation of the ground in the vicinity of PZ-C-102 and MW-G1-102. To facilitate better drainage in this area of the site, the ground elevation needs to be raised and then graded. This modification will address this minor adjustment.

The following sections present this modification request and address the permitting and design items associated with the proposed changes. Environmental and design considerations are discussed. Necessary *revisions* to the Permit Renewal Application have been identified and are presented in Attachment A. Revisions to language in the Permit Renewal Application occurring as a result of this modification are presented in the form of strikethrough text, illustrating old language to be removed and underlined text illustrating new proposed verbiage. The Environmental Assessment Statement (EAS) required by SWRR 33:VII.523.A-E, Louisiana Revised Statute 30:2018.B has been prepared and is presented in Attachment B. Attachment C presents the new information, i.e. correspondence, engineering calculations, geologic investigation data, permit drawings, etc., related to the permitting of Cell VIII.

The proposed Modification No. 1 will increase the volume of waste and is a lateral expansion of the area permitted to receive waste. It is therefore classified as a modification which requires public notice (LAC 33:VII.517.A.2.a.x). Notices will be published in the Toledo Bend Tribune (an official journal of DeSoto Parish) and in the Baton Rouge Advocate (the official journal of the state) as required under LAC 33:VII.517.A.2.d. These will be published after this Modification No. 1 has been accepted by LDEQ as technically complete.

2.0 MODIFICATION NO. 1 REQUEST

Modification No. 1 proposes two changes at the Mundy Landfill. One change is to increase the permitted capacity of the Mundy Landfill by approximately 1,400,000 tons by a lateral expansion called Cell VIII. The second change is to raise the elevation of two wells, PZ-C-102 and MW-G1-102.

2.1 GENERAL DESCRIPTION

2.1.1 Cell VIII - A Lateral Expansion. As mentioned in Section 1.0, Cell VIII is the only expansion proposed in this modification request. Any subsequent expansions envisioned will be the subject of future modification requests. Drawing STE-S4 in Attachment C shows the setting of Cell VIII. Drawing STE-S7 presents a conceptual cross-section of Cell VIII.

The disposal area of Cell VIII will cover approximately 29 acres, all of which overlie natural ground. The top of Cell VIII will reach a maximum elevation of approximately 324 feet NGVD. Lining, leachate collection, and all other landfill systems will follow LDEQ regulations and practice as used for Subtitle D cells and the Cell VII - Phase 1 expansion previously permitted at the facility by LDEQ.

The net gain in permitted airspace due to the proposed VIII is some 2,300,000 cubic yards (1,400,000 tons). Approval of Modification No. 1 will bring the total airspace to about 3,500,000 cubic yards (2,155,000 tons), which is below the threshold where an active gas system is required under DEQ regulation (Chapter 30, subchapter A, Section 3003).

2.1.2 Well Elevation Increases. In order to maintain positive drainage on site, minor ground elevation changes are proposed in the vicinity of PZ-C-102 and MW-G1-102. The wells will be raised approximately five feet. The surrounding ground will be graded to facilitate better site drainage.

The wells will be modified in accordance with procedures set forth in "Handbook for Construction of Monitoring Wells and Geotechnical Boreholes" (latest revision 2000). Basically, the pad, posts and uppermost casing will be removed. A new casing will be installed approximately five feet longer than the one removed. The well will be extended and grouted in place. The well will be finished with a locking cap. The ground will be built up and a new pad and posts installed.

2.1.3 LPDES Permit Application. This modification contains an application for a revised LPDES permit (see Attachment A-6). The development of Cell VIII requires a new sedimentation pond and therefore a new outfall is proposed to monitor water leaving the site via this pond.

2.2 LINER/LEACHATE COLLECTION SYSTEM

Unlike the previous Cell VII, Phase 1, the proposed Cell VIII overlies only natural soils.

2.2.1 Liner/Leachate Collection System Description. Cell VIII will have a new liner and leachate collection system meeting LDEQ's regulations. From bottom-to-top, this will consist of:

- Natural subgrade.
- Three feet of clay soil compacted in nominal 6-inch lifts to achieve a hydraulic conductivity of $1x10^{-7}$ cm/sec or less. Experience with the previous cells, especially Cell VII, Phase 1, shows that this criterion can be met easily by using on-site clay materials.
- A geosynthetic clay liner (GCL).
- 60-mil HDPE geomembrane.
- Leachate Collection System. This will consist of one foot of granular natural material having a hydraulic conductivity of at least $1x10^{-3}$ cm/sec over the floor of the cell. Geocomposite drainage media, comprised of a geonet with filter fabric on both sides will be utilized on the side slopes of the cell. Protective material (for example, buffer layer soil) will be placed on top of the drainage geocomposite media on the side slopes before placement of waste. The geocomposite drainage media will have a transmissivity of at least $1x10^{-4}$ m^2/sec (at i=1.0, 5000 psf). The cell will slope at least 2% on the floor and no more than 1(V):3(H) on the side slopes. Perforated HDPE piping (6" diameter, SDR-17) will be provided with a minimum slope of 1% and a maximum run between pipes of 200 feet. The maximum length of leachate collection piping at the bottom of the cell will not exceed 1,000 ft. This piping will lead to a sump where the collected leachate will be removed by a permanent submersible pump. Settlements will not adversely affect the liner or leachate collection system as shown in the calculations (refer to Attachment C).

2.2.2 Quality Assurance. All the construction cited above will be performed under Quality Control/Quality Assurance following the LDEQ-approved Quality Assurance/Quality Control Plan, presented in Appendix K of the Permit Renewal Application.

2.3 FINAL COVER

The final cover proposed for Cell VIII is the same as that approved by LDEQ for the remainder of the Mundy Landfill. (See Response to LAC 33:VII.521.J.2.a in the approved Permit Renewal Application). The side slopes will be no steeper than 1(V):3(H) and the top slope no flatter than 4%. The final cover system will include diversion berms and letdown chutes to control stormwater and erosion. The final cover will consist of, from top-to-bottom:

- Vegetative Layer - A nominal 6-inch thick layer of soil capable of sustaining plant growth.

- 60-mil HDPE Geomembrane [where slope is flatter than 1(V):4(H)].
- At least 2 feet of clay soil, compacted in nominal 6-inch lifts so as to achieve a hydraulic conductivity of $1x10^{-7}$ cm/sec or less.
- Existing daily or interim cover.

The final cover will be constructed following the LDEQ-approved Quality Assurance/Quality Control Plan, presented in Appendix K of the Permit Renewal Application. Drawing STE-S8 in Attachment C presents the conceptual final cover contour lines for Cell VIII.

2.4 GAS COLLECTION SYSTEM

As mentioned previously, permitting Cell VIII will not bring the facility's permitted capacity to a level where an active gas collection/disposal system will be required under Chapter 30, Subchapter A, Section 3003.

3.0 ENVIRONMENTAL CONSIDERATIONS

The environmental considerations have been evaluated by the facility's consultant, Ardaman & Associates (formerly Soil Testing Engineers, Inc. (STE)) and Jones Environmental, Inc. (JEI). There will be no environmental changes from those environmental concepts and requisites set forth in the Permit Renewal Application which was approved by LDEQ. An Environmental Assessment Statement (EAS) for Cell VIII is included as Attachment B. It is in the form of Responses to LAC 33:VII.523.A. In summary:

1. Adverse environmental effect have been avoided to the maximum extent possible through design, operation, and monitoring.

2. The benefit to the citizens of DeSoto Parish is continued, environmentally sound disposal of their solid wastes. The benefit outweighs the minor environmental impact of Cell VIII.

3. There are no alternative projects which would offer more protection to the environment than Cell VIII without unduly curtailing its benefits to the citizens of DeSoto Parish.

4. No alternative facilities would offer more protection to the environment than Cell VIII without unduly curtailing its benefits to the citizens of DeSoto Parish.

5. No further mitigating measures would offer more protection to the environment than Cell VIII without unduly curtailing its benefits to the citizens of DeSoto Parish.

4.0 CELL VIII DESIGN CONSIDERATIONS

STE and JEI have evaluated several items pertinent to the construction of Cell VIII and the increase in the permitted waste volume. These evaluations include slope stability, settlement, erosion and surface water management, leachate pipe structural integrity, and leachate volume. Results are included in Attachment C and are presented as follows:

4.1 GEOLOGY

The proposed Cell VIII increases the footprint of the landfill beyond its currently permitted area. Therefore, new borings conforming to LAC 33:VII.709.C.1.c.i-iv have been made in the Cell VIII area and the geological responses and cross-sections have been appropriately revised. New geologic information and drawings are presented in Attachment C.

4.2 SLOPE STABILITY

Cell VIII has a maximum elevation at the crown of about +324 feet NGVD. Additional soil borings have been executed for Cell VIII in 2005 for evaluation of geology, excavation, and slope stability analysis. The boring logs are presented in Attachment C.

New calculations were made for the stability of the slopes of Cell VIII. The material parameters were taken from the new borings, but the methodology and soil parameters are essentially the same as those used in the LDEQ-approved Permit Renewal Application. These calculations are contained in Attachment C. They indicate the following factors of safety against a slope stability failure of Cell VIII.

Area	Safety Factor		
	Undrained Conditions	**Drained Conditions**	**Sliding Block**
Waste Mass Stability - Section A	**1.90**	**1.97**	**1.55**
Compacted Soil Fill Stability - Section A	**5.82**	**1.57**	**N/A**
Excavation Stability - Section B (Exceptionally high groundwater)	**2.00**	**1.98 (1.64)**	**N/A**

It should be noted that the undrained condition implies an instantaneous filling of Cell VIII to maximum height, a physical impossibility. Nevertheless, the safety factors in all cases exceed the LDEQ-preferred value of 1.5. The soil and waste conditions, geometry, and critical potential failure surfaces are illustrated graphically on figures provided with the calculations presented in Attachment C.

4.3 SETTLEMENT

The weight of the new Cell VIII waste will cause minor settlements in the strong, relatively incompressible underlying natural soils. Any settlements have some potential to produce adverse

effects on the new liner and leachate collection systems.

Analyses were therefore made for the settlement of the soil under Cell VIII. Standard soil mechanics methodologies were employed, see Attachment C. The load-settlement characteristics of the natural soils were taken from consolidation tests of soil samples from borings in the Cell VIII area of Mundy Landfill.

From the results of the settlement analyses, it is clear that the leachate collection systems will maintain positive drainage after settlement.

4.4 BOTTOM HEAVE

The lowest bottom-of-excavation level for Cell VIII will be approximately at Elevation +170 feet NGVD; it will occur at the western ends of the leachate collection pipes along the floor of the cell. Geological drainage Zones C ,G1, and G2 will be entirely removed during cell construction under Cell VIII area. Therefore there will be no unbalanced upwards water pressure to initiate bottom heave.

4.5 SURFACE WATER RUNOFF AND EROSION CONTROL

Cell VIII will have slopes angle of 1(V):3(H) with 20-ft wide benches every 40-ft in height. The calculated soil loss rates for this geometry are 2.4 tons/acre/year with the diversion berm/letdown chutes proposed for Cell VIII. Calculations are given in Attachment C.

4.6 LEACHATE COLLECTION SYSTEM

The Leachate Collection System is described in Section 2.2.1 and conforms to design previously approved for the Mundy Landfill by the LDEQ. HELP Model results contained in Attachment C show that the leachate head over the liner will not exceed one foot. The results also indicate the maximum leachate generation rate of Cell VIII occurs during operations and is 636 gpd and the head on liner is negligible. For the closed cell condition, the leachate generation rate of Cell VIII is negligible and there is no measurable head on the liner. The calculations indicate that the existing oxidation pond will be able to handle and treat the leachate generated by the entire landfill, including Cell VIII.

The maximum thickness of waste which will overlie any piping is about 145 feet. Pipe deflections will not exceed the allowable values as presented in the calculations contained in Attachment C.

4.7 SURFACE WATER RUN-ON CONTROL

The south side of Cell VIII will be cut into natural soil. The minimum elevation where the bottom-of-liner meets natural soil is approximately +170 feet, NGVD in Cell VIII. The 100-year return flood elevation at the Mundy Landfill is +162 feet NGVD. Hence, an eight-foot freeboard will be maintained against the 100-year flood without construction of a specific embankment in this area. A perimeter ditching system will protect the new and existing cells from run-on. This ditching system intercepts storm water run-on before it enters the landfill.

4.8 GROUNDWATER MONITORING

Cell VIII does not lie within the area monitored under the current plan included in the approved Permit Renewal Application. Therefore, the groundwater monitoring system has been modified by adding downgradient wells in the pervious, water bearing strata as a result of the proposed Cell VIII. The proposed wells are discussed in the updated Groundwater Sampling and Analysis Plan presented in Attachment A. In short, four piezometers were installed in order to obtain information about groundwater in the vicinity of Cell VIII. Three of the piezometers will be converted to monitoring wells, four new monitoring wells will be installed, and the fourth piezometer will be plugged and abandoned because it is located within the excavation area of Cell VIII.

4.9 CLOSURE/POST-CLOSURE CARE COSTS

The maximum uncapped area at any time will be 29 acres; however, the Closure Cost Estimate given in the Response to LAC:33.521.J.1.c of the Permit Renewal Application presents the closure cost estimate as if the entire remaining facility (Cell VI through VIII) is constructed and requires final cap all at once. The updated closure costs are presented in Attachment A.

Allowances must be made in the Post-Closure Care costs for the increased number of monitoring wells, for decommissioning that system at the end of the post-closure care (PCC) period, and the increase in area for mowing, etc. Revised cost estimates are presented in Attachment A.

5.0 SUMMARY

STE/JEI is submitting Permit Modification No. 1 on behalf of and as approved by the DeSoto Parish Police Jury. The modification proposes design and construction of Cell VIII.

The impact of this modification on the environment and operations of the landfill has been evaluated. There will be no adverse environmental changes from those environmental concepts and requisites set forth in the Permit Renewal Application and approved by LDEQ. Design considerations include settlement of the foundation, slope stability, erosion and surface water management, leachate pipe structural integrity, leachate system performance and leachate volume. These concerns were evaluated and the results of the engineering analyses indicated that all engineering parameters investigated by STE were within recommended norms. An analysis of the new (2005) borings shows that the geology under Cell VIII is virtually identical to that discussed in the Permit Renewal Application. Necessary revisions to parts, sections, plans, figures, drawings, and reports of the Permit Renewal Application have been identified, updated and are presented in Attachment A. An environmental assessment for Cell VIII is presented as Attachment B. A new appendix, Appendix S, will be added to the Permit Renewal Application and will contain pertinent information for Cell VIII. This new appendix is presented herein as Attachment C.

ATTACHMENT A

REVISIONS TO THE ORIGINAL PERMIT RENEWAL APPLICATION

A-1 Introduction & Certifications
A-2 Part II - Supplementary Information (Responses to LAC 33:VII.521)
A-3 Appendix A - Site Information
A-4 Appendix B - Environmental Resources Information and Correspondence
A-5 Appendix C - Operational Information
A-6 Appendix E - Surface Water Controls
A-7 Appendix F - Groundwater Sampling and Analysis Plan
A-8 Appendix I - Financial Assurance
A-9 Appendix L - Closure Plan

Attachment A-1

Introduction & Certifications

Introduction

INTRODUCTION

The Mundy Landfill, Facility No. D-031-1827, has been in operation since 1986 under Standard Solid Waste Disposal Permit P-0035, issued by the Louisiana Department of Environmental Quality (LDEQ) on April 30, 1985. Permitted as a Type II (commercial and residential solid waste)/Type III (construction debris and trash) landfill, the facility was constructed in 1985 and received its first waste disposal in early 1986. This Permit Renewal Application includes permit information for the facility to accept Type I (industrial) waste.

From a small parish landfill, the facility has grown to a point where it approaches status as a regional landfill for northwestern Louisiana. Sources of wastes currently being deposited at Mundy Landfill include DeSoto Parish and Red River Parish, the City of Mansfield, various individual generators in the East Texas counties of Shelby, Center, and Panola, and Waste Management, Inc. Several other agencies have made inquiries about disposing of wastes at this facility. The DeSoto Parish Police Jury (DPPJ), owners of the site and the permit, have an unlimited service area from which to solicit haulers and depositors of wastes.

The facility has five putrescible waste disposal cells (Cells I - V) constructed under the pre-Subtitle D regulations, all of which were closed at the end of 1997; three ~~two~~ putrescible waste disposal cells (Cells VI, ~~and~~ VII, and VIII) which are designed to meet the Subtitle D regulations and updated Solid Waste Rules and Regulations (SWRR), ~~and are currently active; a~~ two non-putrescible (construction debris and trash) waste disposal areas; and two asbestos disposal areas. Supporting features include a perimeter fence with a gate at the entrance on U.S. Highway 84, an office building and scales at the entrance gate, interior access road, wash rack, storage building, mechanic shop, wastewater treatment plant, three ~~two~~ sedimentation ponds, and groundwater monitoring well system.

The five non-Subtitle D disposal cells were closed to disposal operations at the end of 1997, due to their inability to conform to the more current regulations concerning composite cell liner construction. These cells were constructed between 1985 and 1992 under regulations and in conformance with standard technology and practice concerning sanitary landfills current at that time, but which are now obsolete. Final closure capping was completed; however, the facility cannot locate the closure cap certification document. These closures have been performed according to the 1995 SWRR, as described in this Permit Renewal Application, and agreements between the DPPJ and the LDEQ. These cells were replaced by a sixth disposal cell, Cell VI, most of which (Phases 1, 2, & 3) was designed, constructed, and permitted under the current regulations and placed in service January 1, 1998. ~~Phase 4 of Cell VI may be added at a later date.~~ Cell VII, Phase 1, was designed, constructed, and permitted in 2001-2003 with waste disposal commencing in March 2003. Cell VIII will be constructed as Cell VII nears capacity. ~~Phase 2 of Cell VII may be constructed in the future.~~

The non-putrescible waste disposal areas (CD&T-S and CD&T-N) accept~~s~~ only those wastes which do not putrefy and contaminate storm runoff. ~~The cell~~ CD&T-S is not lined and has no collection piping for interception of contact water and transmission to the treatment plant. Storm runoff is not considered wastewater and is allowed to discharge from the site without detention. Concerns

expressed by the LDEQ Solid Waste Division that putrescible wastes had been deposited in this area resulted in the capping of the cell at the end of 1997 and its re-opening in 1998. CD&T-N was permitted in 2007.

The permit for the site allows disposal of asbestos in two areas that are fenced and posted with warning signs to preclude access without the proper training and equipment. The permit also allows asbestos disposal in Cell VII and Cell VIII. ~~, Phase 1, which is the cell currently used for asbestos disposal.~~

Treatment of site wastewater, including waste disposal cell leachate and contaminated storm runoff (water exposed to putrescible wastes in active disposal areas), is performed by a facility consisting of three facultative lagoons operated in series. This plant is a 1997 expansion of the original single oxidation pond constructed in 1985, which consistently met water discharge permit effluent quality guidelines during the first twelve years of the landfill's operation, but which did not have sufficient detention capacity for contaminated storm runoff from the 25-year, 24-hour design storm. The construction and permitting of Waste Disposal Cell VI (Permit Modification No. 26) in 1997 included the re-construction of the oxidation pond and the installation of a pair of polishing ponds downstream from the oxidation pond. This expansion improves plant effluent quality and maintenance capabilities, while adding the required detention volume for the contaminated storm runoff and increased control of plant operations and maintenance.

Uncontaminated storm runoff (water which has not been exposed to putrescible wastes) is either diverted offsite or channeled to sedimentation ponds ~~at the north central and northwest portions of the property~~. The majority of such runoff which passes through areas denuded of vegetation goes to the sedimentation ponds, where it is detained to allow eroded silt carried by the runoff to settle before the water is permitted to exit the site.

Another major upgrade for the landfill ~~is in process and~~ involves the groundwater monitoring system. As described elsewhere in this application, subsurface investigations performed in 1996 and 2002 determined that the existing monitoring wells were not installed in the proper subterranean soil strata. Piezometers were installed to determine groundwater depth and flow direction, such data was used in the siting and installation of new wells which will properly monitor the water-bearing permeable zones beneath the landfill. Gauging data from the piezometers were recorded from April to October, 1997, combined with other data from the original monitoring wells, and submitted to the LDEQ in support of proposed locations and depths for new monitoring wells. A further subsurface investigation including installation of additional piezometers was performed in 2002. All wells and piezometers were gauged on five dates from May through October 2002 and quarterly in ~~March~~ 2003. The applicant proposed an upgraded well system which is included in this Permit Renewal Application. Four piezometers were installed in 2005 as part of the Cell VIII permitting process. These piezometers were gauged on several dates and that information was utilized to locate monitoring wells that will adequately monitor the groundwater under the site with the addition of Cell VIII. ~~The upgraded groundwater monitoring system will be completed and implemented in 2005, upon approval by the LDEQ.~~

The service of the five non-Subtitle D cells expired at the end of 1997, as required by the SWRR, with an anticipated total disposal capacity of 348,000 wet-weight tons of refuse. Cell VI, Phases 1-3, remained in use until March 2003 and holds an additional 166,450 wet-weight tons of wastes. ~~Phase 4 of Cell VI could add another 50,000 tons capacity.~~ A service life of ~~at least six~~ approximately five years and a capacity of approximately 218,075 tons is anticipated for Cell VII, Phase 1. ~~Phase 2 of Cell VII, if permitted, will add an estimated 100,000 tons more~~. If the facility is closed with the exhaustion of disposal space in Cell VI, Phase 3, and Cell VII, Phase 1, without further expansion of the horizontal and/or vertical disposal area of the disposal cells, approximately ~~755,000~~ 732,000 wet-weight tons of putrescible waste is expected to have been disposed within its boundaries. An estimation of the design capacity of Mundy Landfill, assuming values for quantities of wastes to be disposed up to the times of individual cell closures, is provided in **Appendix J**. This estimation is a revision of the landfill gas generation report submitted to the LDEQ Office of Air Quality (OAQ) in 1996, the revision extending the original expected closure date of Cells I - V from the end of 1996 to the end of 1997. The approval letter from the OAQ is also included.

The DPPJ has purchased an additional 160 acres adjoining the west side of the landfill property that is currently used as a borrow area. Approximately 46 acres of this 160-acre tract will be developed as a lateral expansion of the existing site. The area east of the creek will be developed into Cell VIII, an access road, drainage ditching, and a sedimentation pond. ~~Future expansion of the waste disposal areas is planned for this property.~~

Mundy Landfill was operated by the DPPJ from 1986 to 1998. Early in 1998, after a solicitation for requests and extensive negotiations, operation of the landfill was privatized when an operations lease was executed between the DPPJ and Mundy Sanitary Landfill, LLC, a subsidiary of Andiamo Detroit, LLC. All property, equipment, and features of the landfill were included in the lease, while ownership of the site and the permit were retained by the DPPJ. The lease went into effect June 1, 1998 and had a life of 25 years. Mundy Sanitary Landfill, LLC had the responsibility for all activities pertaining to operation of the site, including permit modifications, though the DPPJ had privileges concerning monitoring of those activities and approval of all permit modifications. Mundy Sanitary Landfill, LLC filed for bankruptcy approximately one year after the lease went into effect, and the lease was terminated by the DPPJ due to failure of the private operators to fulfill the requirements of the contract. The landfill is now being operated by the DPPJ once again.

This application was originally necessitated by the promulgation by the LDEQ in 1995 of the current edition of the SWRR, which requires the submittal of an application for a mandatory modification of the existing standard permit to demonstrate the updating of the features and operational procedures of the landfill to meet the current regulations. The mandatory modification application for Mundy Landfill was initially submitted to the LDEQ prior to the August, 1994 deadline. LDEQ correspondence dated August 16, 2004 requested submittal of the complete Permit Renewal Application, incorporating the pending industrial waste major modification. Copies of the related correspondence are provided in **Appendix A**. This Permit Renewal Application also incorporates all changes made by the permitting and construction of Disposal Cell VI in 1997, Cell VII, Phase 1, in 2001-2003, ~~and~~ permitting for the facility to dispose of Type I (industrial) solid waste (2004), and permitting and construction of Cell VIII in 2007-2008.

The existing standard solid waste disposal permit issued to the DPPJ in 1985 for Mundy Landfill originally had a 12-year duration, to an expiration date of June 30, 1997. The latest edition of the SWRR limits permits to a duration of ten years, and includes a provision that all existing permits issued for a period of over ten years were changed to a maximum of ten years or to an expiration of August 1, 1996, whichever was later. The LDEQ established an expiration date of August, 1997 for permit P-0035, requiring the DPPJ to apply for a permit renewal. In accordance with the recommendation of the LDEQ, the purpose of this application has been changed, from that of the required mandatory modification of the permit to demonstrate compliance with the current SWRR, to renewal of the existing solid waste disposal permit. A letter requesting the changing of the purpose of this application and submitting the necessary review fee and proofs of publication of public notices is included in **Appendix A**.

This Permit Renewal Application addresses all pertinent sections of the current edition of the SWRR, incorporates all comments from the reviews of the application by the LDEQ, incorporates all modifications made to the solid waste permit, and updates the permit of this facility to demonstrate compliance with the current standards. Features of the operation which cannot be modified to comply with the SWRR have been eliminated. Operational procedures are updated to meet the new regulations, or eliminated, as described herein. All features and procedures under which the facility is operated are addressed in this application.

Certifications

CERTIFICATIONS

This Permit Renewal Application for the Mundy Sanitary Landfill (P-0035-R1) was originally prepared by Mr. Robert A. Hopkins, LA. PE #24848. Mr. Hopkins signed and sealed all his drawings and the previous submittals. The DPPJ replaced Mr. Hopkins' firm in May, 2002, with the team of Jones Environmental, Inc. (~~Mr. Mark S. Moore, CPG~~ Ms. Sarah E. Moore) for geologic matters and Soil Testing Engineers, Inc. (Dr. Gordon P. Boutwell, PE) for engineering matters. ~~These firms/persons made changes to the earlier submittals based on "Notices of Deficiency" issued by the LDEQ.~~

OVERALL CERTIFICATION

Overall certification under LAC 33:VII.521.F.1 was provided by Mr. ~~B.D. Mitchell~~ Bryant Yopp, President of the DeSoto Parish Police Jury.

I certify under penalty of law that I have personally examined and I am familiar with the information submitted in this permit renewal/major modification application, and that the facility as described in this permit modification meets the requirements of the Solid Waste Rules and Regulations. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Bryant Yopp 5-28-08

Mr. ~~B.D. Mitchell~~ Bryant Yopp, President Date
DeSoto Parish Police Jury

ENGINEERING CERTIFICATIONS

Previous. Mr. Hopkins sealed all drawings which he had prepared.

Engineering Changes. These were made by or under the direction of Dr. Ricardo C. de Abreu, LA. Professional Engineer in Civil and Environmental Engineering (#31257). He has signed and sealed all engineering drawings prepared or revised for this application. With respect to all engineering text and drawing changes made:

"I certify under penalty of law that I have personally examined and I am familiar with the changes in engineering information submitted in this permit application and that these changes meet the requirements of the Solid Waste Rules and Regulations. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment."

Ricardo Abreu

Ricardo C. de Abreu
LA. PE #31257
Date 05/30/2008

GEOLOGICAL CERTIFICATION

Geological Changes. These were made by or under the direction of Ms. Sarah E. Moore ~~Mr. Mark S. Moore, Certified Profession Geologist. Louisiana has no CPG program; Mr. Moore holds Arkansas registration #1413. He has signed all geologic drawings prepared or revised for this application.~~

With respect to all geologic text and drawing changes made:
"I certify under penalty of law that I have personally examined and I am familiar with the changes in geologic information submitted in this permit application and that these changes meet the requirements of the Solid Waste Rules and Regulations. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment."

Sarah E. Moore

Sarah E. Moore
~~Mark S. Moore~~
~~AR CPG #1413~~
Date 6/2/08

Attachment A-2

Part II - Supplementary Information (Responses to LAC 33:VII.521

PERMIT REQUIREMENTS
SOLID WASTE DISPOSAL STANDARD PERMIT P-0035
MUNDY LANDFILL

TABLE OF CONTENTS

Section	Title	Page
§519.	PART I: PERMIT APPLICATION FORM	1
§521.	PART II: SUPPLEMENTARY INFORMATION	2
§521.A.	**Location Characteristics**	2
§521.A.1.	Required Information - Location	2
§521.A.1.a.	Area Master Plans	2
§521.A.1.b.	Road Systems	5
§521.A.1.c.	Existing Land Use	6
§521.A.1.d.	Aerial Photograph	7
§521.A.1.e.	Environmental Characteristics	8
§521.A.1.f.	Wetlands Demonstration	11
§521.A.1.g.	Demographic Information	14
§521.A.2.	Required Information - Wells, Faults, Utilities	15
§521.A.2.a.	Wells	15
§521.A.2.b.	Faults	17
§521.A.2.c.	Utilities	18
§521.B.	**Facility Characteristics**	19
§521.B.1.	Required Information - All Facilities	19
§521.B.1.a.	Property Boundaries and Description	19
§521.B.1.b.	Perimeter Barrier	23
§521.B.1.c.	Buffer Zone	24
§521.B.1.d.	Fire-Protection Measures	26
§521.B.1.e.	Landscaping	27
§521.B.1.f.	Devices to Determine, Record, and Monitor Incoming Waste	28
§521.B.1.g.	NPDES Discharge Points	29
§521.B.1.h.	Other Features	30
§521.B.2.	Required Information - Type I and II Facilities	31
§521.B.2.a.	Isolation of Non-Putrescible Waste, Incinerator Ash, and Borrow Areas	31
§521.B.2.b.	Location of Leachate Collection/Treatment/Removal	38
§521.C.	**Facility Surface Hydrology**	38
§521.C.1.	Required Information	38
§521.C.1.a.	Surface Drainage Exclusion From Active Operational Areas	38
§521.C.1.b.	Run-off/Run-on Collection	40
§521.C.1.c.	Maximum Rainfall Event	41
§521.C.1.d.	Aquifer Recharge Areas	42

PERMIT REQUIREMENTS
SOLID WASTE DISPOSAL STANDARD PERMIT P-0035
MUNDY LANDFILL

TABLE OF CONTENTS
(continued)

Section	Title	Page
§521.C.1.e.	Floodplains	43
§521.D.	**Facility Geology**	**44**
§521.D.1.	Required Information - Type I and II Facilities	44
§521.D.1.a.	Isometric Profile and Cross-sections	44
§521.D.1.b.	Soil Boring Logs	46
§521.D.1.c.	Soil Test Results	48
§521.D.1.d.	Geologic Cross-section	49
§521.D.1.e.	Faults	50
§521.D.1.f.	Seismic Impact Zones	51
§521.D.1.g.	Unstable Areas	52
§521.D.2.	Required Information - Construction Debris/Trash Facilities	53
§521.D.2.a.	Soil Description	53
§521.D.2.b.	Soil Boring Logs	56
§521.E.	**Facility Subsurface Hydrology**	**57**
§521.E.1.	Required Information - Type I and II Facilities, Surface Impoundments	57
§521.E.1.a.	Water Table Information	57
§521.E.1.b.	Aquifer Information	63
§521.E.2.	Required Information - Landfarms	64
§521.F.	**Facility Plans and Specifications**	**65**
§521.F.1.	Certification	65
§521.F.2.	Required Information - Plans and Specifications, Type I and II Facilities	66
§521.F.2.a.	Drawings - Original Contours, Excavation of Cells, and Soil Borings	66
§521.F.2.b.	Construction Detail Drawings	67
§521.F.2.c.	Levee Construction Materials	68
§521.F.3.	Required Information - Plans and Specifications, Type I, II, III Landfills	69
§521.F.3.a.	Daily Fill and Cover	69
§521.F.3.b.	Daily and Final Cover Materials	70
§521.F.4.	Required Data - Groundwater Contamination Prevention, Type I/II Facilities	72
§521.F.4.a.	Cross-sections	72
§521.F.4.b.	Liner System	73
§521.F.4.c.	Leachate Collection and Removal System	79
§521.F.5.	Required Information - Groundwater Monitoring, Type I and II Facilities	88
§521.F.5.a.	Monitoring Wells	88

PERMIT REQUIREMENTS
SOLID WASTE DISPOSAL STANDARD PERMIT P-0035
MUNDY LANDFILL

TABLE OF CONTENTS
(continued)

Section	Title	Page
§521.F.5.b.	Monitoring Well Information	91
§521.F.5.c.	Groundwater Monitoring Plan	92
§521.F.5.d.	Initial Sampling Data	93
§521.F.5.e.	Detection, Verifying, Reporting Plan	94
§521.F.5.f.	Groundwater Monitoring System Abandonment	95
§521.F.6.	Gas Collection and Removal System	96
§521.G.	**Facility Administrative Procedures**	**97**
§521.G.1.	Required Information	97
§521.G.1.a.	Recordkeeping	97
§521.G.1.b.	Operational Personnel	99
§521.G.1.c.	Hours of Operation	100
§521.G.2.	Operator Certification	101
§521.H.	**Facility Operational Plans**	**102**
§521.H.1.	Required Information - All Facilities	102
§521.H.1.a.	Waste Description	102
§521.H.1.b.	Waste Handling Procedure	104
§521.H.1.c.	Equipment	107
§521.H.1.d.	Waste Segregation	108
§521.H.1.e.	Procedures for Abnormal Conditions	109
§521.H.1.f.	Emergency Procedures	110
§521.H.1.g.	Control of Vectors, Dust, Litter, and Odors	111
§521.H.2.	Required Information - Type I and II Facilities	112
§521.H.2.a.	Operational Plan	112
§521.H.2.b.	Salvaging Control	114
§521.H.2.c.	Scavenging Control	115
§521.H.3.	Required Information - Landfarms	116
§521.H.4.	Required Information - Type I-A and II-A Facilities	117
§521.H.5.	Required Information - Type I-A and II-A Facilities	118
§521.H.6.	Required Information - Type I-A and II-A Facilities	119
§521.H.7.	Air Monitoring Plan	120
§521.I.	**Implementation Plan**	**121**
§521.I.1.	Required Information	121
§521.I.1.a.	Construction Schedule	121

PERMIT REQUIREMENTS
SOLID WASTE DISPOSAL STANDARD PERMIT P-0035
MUNDY LANDFILL

TABLE OF CONTENTS
(continued)

Section	Title	Page
§521.I.1.b.	Phasing	122
§521.I.2.	Facility Expansion	123
§521.J.	**Facility Closure**	**124**
§521.J.1.	Closure Plan - All Facilities	124
§521.J.1.a.	Closure Date	124
§521.J.1.b.	Closure Method	125
§521.J.1.c.	Cost of Closure	129
§521.J.2.	Closure Plan - Type I and II Facilities and Surface Impoundments	130
§521.J.2.a.	Final Cover	130
§521.J.2.b.	Final Cover Surface Area	133
§521.J.2.c.	Maximum Solid Waste Inventory	135
§521.J.2.d.	Closure Schedule	136
§521.J.3.	Closure Plan - Type I, II, III Facilities and Construction Debris/Trash Facilities	137
§521.J.3.a.	Closure Sequence	137
§521.J.3.b.	Final Cover Contours	138
§521.J.3.c.	Closure Document	139
§521.K.	**Facility Post-Closure**	**140**
§521.K.1.	Post-Closure Plan - All Facilities	140
§521.K.1.a.	Post-Closure Use	140
§521.K.1.b.	Post-Closure Costs	141
§521.K.2.	Post-Closure Plan - Type I and II Facilities	142
§521.K.2.a.	Post-Closure Plan	142
§521.K.2.b.	Abandonment of Monitoring Systems	144
§521.K.2.c.	Public Safety	145
§521.K.2.d.	Post-Closure Use	146
§521.L.	**Financial Responsibility**	**147**
§521.L.1.	Ownership	147
§521.L.2.	Permit Holder	148
§521.L.3.	Insurance	149
§521.L.4.	Financial Assurance for Closure and Post-Closure	150
§521.M.	**Special Requirements**	**152**

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Uncontaminated storm runoff (water which has not been exposed to putrescible wastes) is either diverted offsite or channeled to sedimentation ponds ~~at the north central and northwest portions of the property~~. The majority of such runoff which passes through areas denuded of vegetation goes to the sedimentation ponds, where it is detained to allow eroded silt carried by the runoff to settle before the water is permitted to exit the site.

Another major upgrade for the landfill ~~is in process and~~ involves the groundwater monitoring system. As described elsewhere in this application, subsurface investigations performed in 1996 and 2002 determined that the existing monitoring wells were not installed in the proper subterranean soil strata. Piezometers were installed to determine groundwater depth and flow direction, such data was used in the siting and installation of new wells which will properly monitor the water-bearing permeable zones beneath the landfill. Gauging data from the piezometers were recorded from April to October, 1997, combined with other data from the original monitoring wells, and submitted to the LDEQ in support of proposed locations and depths for new monitoring wells. A further subsurface investigation including installation of additional piezometers was performed in 2002. All wells and piezometers were gauged on five dates from May through October 2002 and quarterly in ~~March~~ 2003. The applicant proposed an upgraded well system which is included in this Permit Renewal Application. Four piezometers were installed in 2005 as part of the Cell VIII permitting process. These piezometers were gauged on several dates and that information was utilized to locate monitoring wells that will adequately monitor the groundwater under the site with the addition of Cell VIII. ~~The upgraded groundwater monitoring system will be completed and implemented in 2005, upon approval by the LDEQ.~~

The service of the five non-Subtitle D cells expired at the end of 1997, as required by the SWRR, with an anticipated total disposal capacity of 348,000 wet-weight tons of refuse. Cell VI, Phases 1-3, remained in use until March 2003 and holds an additional 166,450 wet-weight tons of wastes. ~~Phase 4 of Cell VI could add another 50,000 tons capacity.~~ A service life of ~~at least six~~ approximately five years and a capacity of approximately 218,075 tons is anticipated for Cell VII, Phase 1. ~~Phase 2 of Cell VII, if permitted, will add an estimated 100,000 tons more.~~ If the facility is closed with the exhaustion of disposal space in Cell VI, Phase 3, and Cell VII, Phase 1, without further expansion of the horizontal and/or vertical disposal area of the disposal cells, approximately ~~755,000~~ 732,000 wet-weight tons of putrescible waste is expected to have been disposed within its boundaries. An estimation of the design capacity of Mundy Landfill, assuming values for quantities of wastes to be disposed up to the times of individual cell closures, is provided in **Appendix J**. This estimation is a revision of the landfill gas generation report submitted to the LDEQ Office of Air Quality (OAQ) in 1996, the revision extending the original expected closure date of Cells I - V from the end of 1996 to the end of 1997. The approval letter from the OAQ is also included.

The DPPJ has purchased an additional 160 acres adjoining the west side of the landfill property that is currently used as a borrow area. Approximately 46 acres of this 160-acre tract will be developed as a lateral expansion of the existing site. The area east of the creek will be developed into Cell VIII, an access road, drainage ditching, and a sedimentation pond. ~~Future expansion of the waste disposal areas is planned for this property.~~

Mundy Landfill was operated by the DPPJ from 1986 to 1998. Early in 1998, after a solicitation for requests and extensive negotiations, operation of the landfill was privatized when an operations lease was executed between the DPPJ and Mundy Sanitary Landfill, LLC, a subsidiary of Andiamo Detroit, LLC. All property, equipment, and features of the landfill were included in the lease, while ownership of the site and the permit were retained by the DPPJ. The lease went into effect June 1, 1998 and had a life of 25 years. Mundy Sanitary Landfill, LLC had the responsibility for all activities pertaining to operation of the site, including permit modifications, though the DPPJ had privileges concerning monitoring of those activities and approval of all permit modifications. Mundy Sanitary Landfill, LLC filed for bankruptcy approximately one year after the lease went into effect, and the lease was terminated by the DPPJ due to failure of the private operators to fulfill the requirements of the contract. The landfill is now being operated by the DPPJ once again.

This application was originally necessitated by the promulgation by the LDEQ in 1995 of the current edition of the SWRR, which requires the submittal of an application for a mandatory modification of the existing standard permit to demonstrate the updating of the features and operational procedures of the landfill to meet the current regulations. The mandatory modification application for Mundy Landfill was initially submitted to the LDEQ prior to the August, 1994 deadline. LDEQ correspondence dated August 16, 2004 requested submittal of the complete Permit Renewal Application, incorporating the pending industrial waste major modification. Copies of the related correspondence are provided in **Appendix A**. This Permit Renewal Application also incorporates all changes made by the permitting and construction of Disposal Cell VI in 1997, Cell VII, Phase 1, in 2001-2003, ~~and~~ permitting for the facility to dispose of Type I (industrial) solid waste (2004), and permitting of Cell VIII in 2007.

The existing standard solid waste disposal permit issued to the DPPJ in 1985 for Mundy Landfill originally had a 12-year duration, to an expiration date of June 30, 1997. The latest edition of the SWRR limits permits to a duration of ten years, and includes a provision that all existing permits issued for a period of over ten years were changed to a maximum of ten years or to an expiration of August 1, 1996, whichever was later. The LDEQ established an expiration date of August, 1997 for permit P-0035, requiring the DPPJ to apply for a permit renewal. In accordance with the recommendation of the LDEQ, the purpose of this application has been changed, from that of the required mandatory modification of the permit to demonstrate compliance with the current SWRR, to renewal of the existing solid waste disposal permit. A letter requesting the changing of the purpose of this application and submitting the necessary review fee and proofs of publication of public notices is included in **Appendix A**.

This Permit Renewal Application addresses all pertinent sections of the current edition of the SWRR, incorporates all comments from the reviews of the application by the LDEQ, incorporates all modifications made to the solid waste permit, and updates the permit of this facility to demonstrate compliance with the current standards. Features of the operation which cannot be modified to comply with the SWRR have been eliminated. Operational procedures are updated to meet the new regulations, or eliminated, as described herein. All features and procedures under which the facility is operated are addressed in this application.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
SOLID WASTE RULES AND REGULATIONS
PERMIT REQUIREMENTS

The following section addresses the regulations of LAC 33:VII Chapter 5, "Solid Waste Management System," of the Solid Waste Rules and Regulations (SWRR). LAC 33:VII Chapter 7, "Solid Waste Standards," is not specifically and individually addressed in this application, but is utilized for the standards and regulations for which compliance of this application with Chapter 5 must be demonstrated. The format of the following text of the application consists of identifying the section designation of the SWRR and providing the text of the regulation in bold print, followed by an explanation of how the application conforms to the regulation in regular print. Sections of the SWRR which do not apply to this facility or to this application are identified as such, with an explanation.

§519. PART I: PERMIT APPLICATION FORM.

The applicant shall complete a standard permit application Part I Form (Appendix B).

A completed permit application form, Part I, as provided in Appendix B of the SWRR, has been provided in **Appendix A**, "Site Information." Copies of two letters from the Louisiana Resource Recovery and Development Authority are also provided in **Appendix A** to demonstrate conformance with the applicable statewide plan. The first letter, dated September 11, 1984, was submitted with the original permit application, and supported the approval of that document by the LDEQ in 1985. The second, dated May 3, 1996, was requested for compliance with the mandatory modification submittal requirements of the 1995 SWRR, which was the original purpose of this application. Both letters state that there are "no objections" to the siting and operation of a sanitary landfill at this location.

§521. PART II: SUPPLEMENTARY INFORMATION, ALL PROCESSING AND DISPOSAL FACILITIES

The following information is required in the permit application for solid waste processing and disposal facilities. All responses and exhibits must be identified in the following sequence to facilitate the evaluation. Additionally, all applicable sections of LAC 33:VII.Chapter 7 must be addressed and incorporated into the application responses. If a section does not apply, the applicant must state that it does not apply and explain why.

§521.A. **Location Characteristics. Standards pertaining to location characteristics are contained in LAC 33:VII.709.A (Type I and II facilities), LAC 33:VII.717.A (Type I-A and II-A facilities), and LAC 33.719.A (Type III facilities).**

§521.A.1. **The following information on location characteristics is required for all facilities:**

§521.A.1.a. **Area Master Plans. A location map showing the facility, road network, major drainage systems, drainage-flow patterns, location of closest population center(s), location of the public-use airport(s) used by turbojet aircraft or piston-type aircraft, proof of notification of affected airport and Federal Aviation Administration as provided in LAC 33:VII.709.A.2, location of the 100-year flood plain, and other pertinent information. The scale of the maps and drawings must be legible, and engineering drawings are required.**

Drawings showing the site, its location and the surrounding road network, major drainage systems, drainage flow patterns, and airports can be found in **Appendix N**. As shown on drawing **DSW-GP-01** in **Appendix N**, the facility is located in Northwest Louisiana in DeSoto Parish, approximately six miles east of the City of Mansfield, which is the nearest population center, and approximately one mile west of Interstate 49. The parcel is described as "The Northeast Quarter of Section 4, Township 12 North, Range 12 West...." and "...that part of the West ½ of the Northwest ¼ of Section 3, Township 12 North, Range 12 West, lying north of U. S. Hwy. 84." The property is roughly rectangular in shape and consists of approximately 220 acres. The property utilized for landfill activities was ~~and~~ approximately 62 acres in size before incorporation of Cell VIII, as shown on drawing **DSW-GP-02** in **Appendix N.** The Cell VIII expansion site is approximately 46 acres as shown on drawing **STE-S1** in **Appendix S.**

Access to the landfill is by all-weather roads that have easily met the demands of the facility since it has been in existence, as required by **§709.A.1** and **§719.A.1**. Access is by U.S. Highway 84, which extends westward six miles to the City of Mansfield and eastward one mile to Interstate 49 and beyond, as shown on drawing **DSW-GP-01** in **Appendix N**. These roadways are designed as highways, adequate to withstand the weight of waste hauling truck traffic and without sharp turns or other potential hazards to such vehicles, and have traffic volumes that are not adversely affected (i.e., congestion or accidents) by the traffic to the landfill. The DeSoto Parish Police Jury (DPPJ),

the owner of the property and the permit, also has the responsibility for maintaining the public road network for the parish, through its Public Works Department. A letter from the DPPJ, required by **§521.A.1.b** and included in **Appendix A**, discusses the lack of any adverse impacts on the roads or traffic caused by the landfill.

Drainage in DeSoto Parish flows generally northeast and southwest from a drainage divide that splits the parish approximately in half, as shown on drawing **DSW-SW-01A** in **Appendix N**. Mundy Landfill is on the east side of the divide, and drains through unnamed perennial drainageways to Buffalo Bayou, which leads to Bayou Pierre Lake. This lake empties into Bayou Pierre, which is a local tributary of the Red River. A drainage map for the area of the parish around the landfill (drawing **DSW-SW-01B**) and a portion of the USGS 15' quadrangle map for Mansfield (drawing **DSW-SW-02A**) are included in **Appendix N**. Drawings illustrating ~~and~~ drainage divides, runoff patterns, and discharge locations for the landfill site are drawing **DSW-SW-03** in **Appendix N** for the original site and drawing **STE-S9** in **Appendix S** for the Cell VIII Expansion area.~~) are also included in Appendix N.~~

The nearest public-use airport is four miles northwest of the City of Mansfield (see drawing **DSW-GP-01** in **Appendix N**), which is itself approximately six miles west of the landfill, placing the landfill well outside the required radius around the airport described in **§709.A.2** and **§719.A.2**. The distance from the airport to the landfill negates the need for notification of the airport and the Federal Aviation Administration, and was approved by the LDEQ in the original permitting of this facility in 1985.

The facility is not located within a 100-year floodplain, as shown on drawings **DSW-SW-09** in **Appendix N** and **STE-S2** in **Appendix S**, as required by **§709.A.3**. ~~This~~ Drawing **DSW-SW-09** is a copy of a portion of the May 1, 1987 Flood Insurance Rate Map, titled "DeSoto Parish, Louisiana, Map Number 220363 0009B," from the U.S. Department of Housing and Urban Development, Federal Insurance Administration and the Federal Emergency Management Agency. The original facility ~~property~~ is identified on the drawing. Drawing **STE-S2** is a portion of the December 16, 2003 Flood Insurance Rate Map, titled "DeSoto Parish, Louisiana, and Incorporated Areas, Map Number 22031C0325C." The original facility and the Cell VIII expansion are delineated on the map. The Cell VIII expansion does lie within 1000 feet of the floodplain delineated by FEMA as "Zone A." There is no flood elevation reported for Zone A on the FIRM. By observation, it appears that the flood elevation is approximately 162 feet. Cell VIII is contained by a earthen levee built to an elevation of 180 feet. The levee is lined with a composite system approved by the LDEQ. Through engineering calculations and methodologies, the design of Cell VIII is such that the floodplain will not affect the facility.

The appropriate State and Federal agencies have been contacted for inspection of the site and surrounding area for potential wetlands, swamps, marshes, estuaries, wildlife hatchery areas, endangered species habitat, archaeologic or historic sites, recreation areas, or other critical environmental areas, as discussed in **§709.A.3**, **§709.A.4**, and **§719.A.3**. Statements of "No Objection" have been obtained from all such agencies, originally during the initial permitting of the landfill in 1984, and again in 1996 as part of the mandatory modification of the existing permit

required by the SWRR, which was the original purpose of this application. The 1984 letters were accepted by the LDEQ in permitting the facility in 1985. The Louisiana Department of Culture, Recreation and Tourism provided a Statement of No Holdings in 2004. Copies of the 1984, 1996, and 2004 documents are provided in **Appendix B**. As part of the permitting of Cell VIII, the Department of Culture, Recreation and Tourism was again contacted in November 2005. A letter dated December 12, 2005 requested a Phase I cultural resources survey be conducted of the expansion site. Dr. Jon Gibson of Carved Trowel Archaeology, Ltd. was retained to perform the survey. Dr. Gibson reported no intrinsic evidence supporting the site's eligibility for listing on the National Register of Historic Places. Dr. Gibson's findings were provided to the Department of Culture, Recreation and Tourism which approved the recommendations in correspondence dated July 6, 2006. Copies of the correspondence and Dr. Gibson's report are provided in **Appendix S.** Section **§521.A.1.f.** describes the wetlands demonstration required by **§709.A.4**.

There are no known faults within 200 feet of a waste disposal unit at Mundy Landfill, as described in **§709.A.5**. The publications "Soil Survey of DeSoto Parish, Louisiana," by the Soil Conservation Service in 1986, and "Water Resources of DeSoto Parish, Louisiana," Water Supply Paper 1774, by the U.S. Geological Survey in 1964, both reference significant subsurface faulting in the vicinity of the Sabine Uplift, which is the most significant geological structure of the area. However, the USGS paper cites the lack of surface evidence of faulting, and the apparent lack of movement since Paleocene times, over 50-million years ago. The same conclusions are discussed in the 1996 subsurface investigation report prepared by Maxim Technologies, Inc., Shreveport, Louisiana, a copy of which is included in **Appendix H**. These findings agree with the conclusions drawn by the geotechnical engineer who participated in the initial design and permitting of Mundy Landfill in 1984, which were accepted by the LDEQ in the issuance of the solid waste disposal permit in 1985.

There are no comprehensive land-use or zoning plans which may affect the continued operation of Mundy Landfill (refer to **§709.A.6** and **§719.A.4**), according to the DeSoto Parish Police Jury, which is the owner of the landfill and the administrative authority for the Parish. The Certification (see page 6) is signed by the President of the DPPJ, signifying the lack of conflict of the operation of the facility with any local zoning or land-use plans, and the Louisiana Resource Recovery and Development Authority has stated its lack of objection to the landfill, as indicated in letters provided in **Appendix A**. Similar documentation was accepted by the LDEQ in 1984 in the initial permitting of this facility.

§521.A.1.b. A letter from the appropriate agency or agencies regarding those facilities receiving waste generated off-site, stating that the facility will not have a significant adverse impact on the traffic flow of area roadways and that the construction, maintenance, or proposed upgrading of such roads is adequate to withstand the weight of the vehicles.

Mundy Landfill is located on U.S. Highway 84, between the City of Mansfield and Interstate 49. Access to the site is by all-weather roads designed, constructed, and maintained to accommodate the types and volume of traffic traveling to the facility, as required by **§709.A.1** and **§719.A.1**. The facility is owned by the DeSoto Parish Police Jury, whose Public Works Department is responsible for maintenance of the Parish road system. A letter from the Police Jury concerning the lack of impacts on traffic and road conditions and maintenance caused by operation of this facility is included in **Appendix A**. This letter is co-signed by the Parish Administrator/Engineer and the Director of Public Works.

§521.A.1.c. **<u>Existing Land Use</u>. A description of the total existing land use within three miles of the facility(by approximate percentage) including, but not limited to:**

- **i. residential;**
- **ii. health-care facilities and schools;**
- **iii. agricultural;**
- **iv. industrial and manufacturing;**
- **v. other commercial;**
- **vi. recreational; and,**
- **vii. undeveloped.**

Drawing **DSW-GP-01** in **Appendix N** is a map entitled "DeSoto Parish Accident Location Reference System," published by the Louisiana Highway Safety Commission. It indicates the locations of homes, churches, etc., within three miles of the landfill, which is sited on the drawing. There are less than 100 structures within the stipulated radius. Aerial photographs presented in **Appendix B** were taken by satellite in 1995 and were obtained from the Stennis Space Center, Bay St. Louis, Mississippi. These pictures illustrate the lack of development in the vicinity of the landfill. Existing land use, expressed as a percentage of total land area, is very conservatively estimated as follows, using the aerial photographs and drawing **DSW-GP-01** in **Appendix N**:

1. Residential (less than one hundred homes) .... 5 %
2. Health care facilities and schools ..... 0 %
3. Agricultural ..... 10 %
4. Industrial and manufacturing ..... 0 %
5. Other commercial, including churches ..... 5 %
6. Recreational ..... 0 %
7. Undeveloped ..... 80 %

100 %

§521.A.1.d. **Aerial Photograph. A current aerial photograph, representative of the current land use, of a one-mile radius surrounding the facility. The aerial photograph shall be of sufficient scale to depict all pertinent features. (The administrative authority may waive the requirement for an aerial photograph for Type III facilities.)**

An aerial photograph ~~and associated enlargements~~ of the parish depicting the region around the landfill is presented in **Appendix B**. The photograph was taken in 1998 ~~5~~ by satellite, and was obtained from the TerraServerUSA website. ~~Stennis Space Center, Bay St. Louis, Mississippi~~. The landfill is identified on both ~~all~~ copies, but it must be noted that the landfill has changed since the 1998 ~~5~~ satellite flyover.~~, with the construction of waste disposal Cells VI and VII, the revised wastewater treatment plant, the relocated access road, etc. For reference, this document includes two facilities layout plans: one from 1984 to 1996 and another from 1997 to 2002.~~ The first photo is at a scale of approximately 1:65,000, or one inch equals one mile, sufficient to determine the land uses within a one mile radius of the landfill. The second is an enlargement in the vicinity of the landfill, at a scale of approximately one inch equals 1240 ~~833~~ feet, and is to be used in conjunction with the accompanying facilities layout plans to identify site features. ~~The third photo is an enlargement at an approximate scale of one inch equals 250 feet and major site features are labeled.~~

§521.A.1.e. **Environmental Characteristics. The following information on environmental characteristics:**

i. **a list of all known historic sites, recreation areas, designated wildlife-management areas, swamps and marshes, wetlands, habitats for endangered species, archaeologic sites, and other sensitive ecologic areas within 1,000 feet of the facility perimeter or as otherwise appropriate;**

ii. **documentation from the appropriate state and federal agencies substantiating the historic sites, recreation areas, archaeologic sites, designated wildlife-management areas, wetlands, habitats for endangered species, and other sensitive ecologic areas within 1,000 feet of the facility; and,**

iii. **a description of the measures planned to protect the areas listed from the adverse impact of operation at the facility.**

A review of the possible occurrence of any significant historical or archaeological resources on the site was conducted in 1984 as part of the original permit process for the existing solid waste disposal permit. The Louisiana Department of Culture, Recreation, and Tourism (DCRT) was requested to investigate the possibility of existing file data relevant to the site and to obtain recommendations for cultural resources study requirements. The DCRT conducted a review of all appropriate files and found no record of any significant site within the study area. They did, however, recommend that an on-the-ground cultural resources survey be conducted for that portion of the study area where the proposed land disturbance activities would occur.

Consequently, the firm of Heartfield, Price and Greene of Monroe, Louisiana performed an appropriate field survey consisting of an intensive on-the-ground survey augmented with subsurface shovel testing. No significant cultural or archaeological sites were discovered as a result of this survey. The DCRT reviewed the findings of these investigations and issued a "Statement of No Objection" in June, 1984. These conclusions were used by the LDEQ to help justify approval of the initial permit application in 1984. The response letters and the report by Heartfield, Price, and Green are presented in **Appendix B.**

In February, 1996, the DCRT was requested to again review this site, to allow the DeSoto Parish Police Jury to respond to the LDEQ requirements concerning the mandatory modification of the existing solid waste disposal permit, which was the original purpose of this application prior to its being changed to a request for renewal of the existing permit. The DCRT responded on March 4, 1996 with another "Statement of No Objection" after reviewing their files for pertinent information. The March 4, 1996 response letter is presented in **Appendix B**.

In November 2005 the DCRT was contacted to review the Cell VIII expansion area. The DCRT responded with a letter dated December 12, 2006 requesting a Phase I Cultural Resources Study be performed. Dr. Jon Gibson was retained to perform this survey. No evidence was discovered to support the eligibility of the site for the National Register of Historic Places. Dr. Gibson's report

was provided to the DCRT which approved the recommendations in correspondence dated July 6, 2006. Copies of the correspondence and report are included in **Appendix S.**

Should any evidence of potentially significant cultural resources be discovered during excavation or operation activities, such operations will be discontinued until such resources can be properly identified, classified, recovered, or otherwise dealt with as deemed necessary by the appropriate legal and technical authorities.

The Louisiana Department of Wildlife and Fisheries (DWF) visited the proposed landfill site in 1984 and issued a letter of "No Objection" to its construction and operation, again as part of the initial permit approval procedure. The DWF was again contacted in 1996 for the purpose of re-reviewing the area in compliance with the LDEQ mandatory modification requirements, as discussed above, and responded with another statement of "No Objection," dated May 6, 1996. The two letters from the DWF are presented in **Appendix B**. In 2005, The DWF was requested to review the Cell VIII expansion area. A letter stating, "...no impacts to rare, threatened, or endangered species or critical habitats are anticipated...," was issued by the DWF on November 17, 2005. This letter is presented in **Appendix S.**

No recreational facilities or areas exist on or within 1,000 feet of the facility. The DCRT Office of State Parks issued a letter dated October 29, 2004 stating that they have no holdings within 1,000 feet of the landfill (**Appendix B**). The DWF indicated in their November 17, 2005 letter that no state or federal parks nor any wildlife refuges, scenic streams, or wildlife management areas are known within the Cell VIII expansion site.

No swamps, marshes, wetlands, estuaries, wildlife-hatchery areas, endangered species habitats, archaeological or historic sites, publicly-owned recreation areas, or similar critical environmental areas have been identified in or within 1,000 feet of the facility. In accordance with **§709.A.3** and **§719.A.3**, the landfill property perimeter is fenced, this barrier being supplemented with a screen of shrubbery which has been planted and maintained along the U.S. 84 right-of-way.

Even though there are no known environmentally sensitive areas within 1,000 feet of the property, the facility is operated in such a manner as to prevent adverse impacts on the surrounding areas. The wastewater treatment plant stabilizes leachate and contaminated storm runoff prior to its discharge. Water discharge permits from the state and the U.S. Environmental Protection Agency regulate the quality and quantity of site discharge into streams around the landfill. Construction activities are performed in such a way as to control erosion and siltation of the same streams. ~~A~~ Sedimentation ponds are ~~is~~ used to detain storm runoff which carries eroded silt. ~~A second sedimentation pond was constructed to detain silt-laden stormwater during the construction of Cell VII, Phase 1.~~ The applicant has proposed an upgraded groundwater monitoring system to monitor groundwater quality in the three water-bearing permeable zones identified in the subsurface. The upgraded groundwater monitoring system is described in **§521.F.5.a** and the Groundwater Sampling and Analysis Plan (**Appendix F**). Diversion and containment berms control surface runoff of stormwater and minimize the quantity requiring treatment. Disposal cell liner, cover, and cap materials prevent the escape of waste materials. Landfill gas is monitored and vented to the atmosphere.

Copies of all reports and correspondence can be found in **Appendix B**.

§521.A.1.f. A wetlands demonstration, if applicable, as provided in LAC 33:VII.709.A.4.

The U. S. Army Corps of Engineers (USACOE) performed a wetlands investigation at the proposed landfill site in 1984 and found no potential adverse impacts from the construction and operation of a sanitary landfill. This result helped justify the approval of the initial solid waste disposal permit by the LDEQ in 1985. A second such investigation was requested in 1996 for the purpose of meeting LDEQ requirements concerning the mandatory modification of the existing permit, which was the original purpose of this application prior to it being changed to a request for permit renewal. The USACOE visited the landfill site and the DeSoto Parish Police Jury's 160-acre parcel immediately west of the landfill, and submitted a letter and map dated April 22, 1996. In 2005, in conjunction with permitting and design of Cell VIII, Mr. Tom Bourland, a Wetlands Consultant with Tom Bourland & Associates, LLC was requested to evaluate the site. Mr. Bourland determined that the site does not require any permits from the USACOE. Mr. Bourland sent his findings to the USACOE for review. The USACOE concurred with Mr. Bourland's determination. In 1996 and 2005, ~~They found~~ an area on the 160-acre ~~expansion adjacent~~ tract subject to Section 404 of the Clean Water Act was found, but no such areas were discovered on the original ~~existing~~ landfill property, nor is any part of the facility (including Cell VIII) within ~~1,000 feet of~~ the wetlands area depicted on the map provided by the USACOE, or any other wetlands area, as discussed in **§709.A.3**, **§709.A.4**, and **§719.A.3**. Refer to **Appendix B** and **Appendix S** for copies of all relevant correspondence.

Best available control technology has been and will be utilized to prevent any negative impact on environmental resources resulting from the waste disposal activities to be conducted at the landfill site. A system of runon/runoff diversion berms and drainage ditches is utilized to channel storm runoff around areas of active disposal operations, to prevent contamination due to contact with waste materials. Silt-laden runoff is diverted by drainage ditch to the sedimentation pond(s), to allow silt particles to settle, prior to discharge of the water from the site. Discharge waters from disposal cells are contained and treated as required to ensure that all effluent limitations and/or water quality discharge criteria are met. The facility is subject to water discharge permits issued by the LDEQ and the U.S. Environmental Protection Agency. Copies of these permits are provided in **Appendix E** of this document.

The USACOE has mandated that, to the maximum extent practicable, the management practices listed below shall be practiced. A relevant response to each mandated management practice follows:

Practice 1: *Discharges of dredged or fill material into waters of the United States shall be avoided or minimized through the use of other practical alternatives.*

Response: No discharges of dredged or filled material into waters of the United States have been made during the life of the landfill or are anticipated in the future. All construction and disposal activities have been confined to the property, and have included the use of erosion control devices to prevent discharge of dredged, excavated, or fill materials into waterways near the site. The sedimentation ponds are used to de-silt all potential silt-laden storm runoff prior to its discharge from the

property.

Practice 2: *Discharges in spawning areas during spawning seasons shall be avoided.*

Response: No discharges in spawning areas have been made during the life of the facility, as far as it is known, nor are any such discharges anticipated in the future. There are no waterways capable of sustaining spawning areas within the property limits, and all construction and disposal activities are contained within the borders of the site and controlled by the use of erosion control devices to prevent discharges from the site into surrounding waterways.

Practice 3: *Discharges shall not restrict or impede the movement of aquatic species indigenous to the waters, or the passage of normal or expected high flows, or cause the relocation of the waters (unless the primary purpose of the fill is to impound water).*

Response: As far as can be known, operational procedures at Mundy Landfill have not restricted or impeded the movement of aquatic species indigenous to the waters in the vicinity of the landfill. Discharges of site surface runoff and treated wastewaters have been and shall be made at appropriate times and in a manner so as to comply with this practice and the pertinent permits.

Practice 4: *If the discharge creates an impoundment of water, adverse impacts on the aquatic system caused by the accelerated passage of water and/or the restriction of its flow shall be minimized.*

Response: Discharges of impounded waters have been and shall be accomplished so as to minimize the impact on base and peak flow conditions in the downstream drainageway. The construction and operation of the landfill have maintained the pre-construction drainage patterns for the site and the surrounding area.

Practice 5: *Discharges in wetlands areas shall be avoided.*

Response: Discharges into wetlands areas have not been made in the past and are not anticipated in the future. As described above, the USACOE has performed two wetlands site inspections without making any discoveries which would cause objection to the siting, construction, and operation of a landfill at this location. The USACOE also concurred with the third inspection which found no objection to the Cell VIII expansion. The nearest documented wetland from the USACOE inspections is west of Sedimentation Pond #3 and Cell VIII ~~several thousand feet west and upstream from the landfill facility~~: see Item 8 in **Appendix B, Appendix S**, and drawing **STE-S2** in **Appendix S**.

Practice 6: *Heavy equipment working in wetlands areas shall be placed on mats.*

Response: No operation of heavy equipment in wetlands has been performed or is anticipated. There is no intention or need to extend landfill operations or borrow operations into the nearest wetlands area to the facility~~, and there are no wetlands areas on the landfill property~~.

Practice 7: Discharges into breeding/nesting areas for migratory waterfowl shall be avoided.

Response: Discharges into breeding and nesting areas for migratory waterfowl have not been made, as far as can be known, nor are any anticipated. It is unlikely that any waterfowl, or other wildlife, has or will tend to nest in this area, due to the noise, vehicles, and the proximity of humans.

Practice 8: All temporary fills shall be removed in their entirety.

Response: All temporary fills, such as those for containment or diversion berms or waste isolation, are completely removed as soon as their purposes have been served. This procedure is necessary to ensure the positive drainage of the site and facilitation of all landfill procedures. Any future required temporary fills shall be removed in their entirety, in keeping with this policy.

The site has not been constructed within a wetlands area, nor has its construction and operation resulted in any known violations or adverse impacts described in **§709.A.4**.

§521.A.1.g. Demographic Information. The estimated population density within a three-mile radius of the facility boundary, based on the latest census figures.

The population density was estimated using 2000 decennial census data compiled by the U.S. Bureau of Census. This data was accessed online from Louisiana.gov, the official website of the State of Louisiana, using links to the Louisiana Demographics Data Center and Circular Area Profiles (CAPS) Application. Results for the CAPS Application were provided by the Missouri Census Data Center. The application and demographic profile results are included in **Appendix B**. The results are for a 3.5- ~~3.25~~ mile radius from the latitude and longitude of the approximate mid-point of the facility: 32°3'37" ~~0"~~ and 93°35'22" ~~30"~~ or ~~32.058~~ 32.060° and ~~93.592~~ 93.595°. This radius ensured coverage for three mile radius from the facility boundary. The population is estimated to be 854 ~~428~~ people with a population density of 27.1 ~~17.1~~ persons per square mile.

§521.A.2. The following information regarding wells, faults, and utilities is required for Type I and II facilities:

§521.A.2.a. Wells. Map showing the locations of all known or recorded shot holes and seismic lines, private water wells, oil and/or gas wells, operating or abandoned, within the facility and within 2,000 feet of the facility perimeter and the locations of all public water systems, industrial water wells, and irrigation wells within one mile of the facility. A plan shall be provided to prevent adverse effects on the environment from the wells and shot holes located on the facility.

~~Two~~ Several sources were investigated for well locations in the vicinity of the facility. U.S. Geological Survey (USGS) Water Supply Paper 1774, "Water Resources of DeSoto Parish, Louisiana," dated 1964, referenced only one well within a mile of the landfill site. It is Well No. 161, approximately ½ mile from Mundy Landfill. Its descriptive information at the time of publication of the USGS paper is as follows:

Location:	Section 3 Township 12N Range 12W
Owner:	Albert Washington
Driller:	Albert Washington
Year Completed:	1950
Type of Well:	Dug
Ground Elevation:	240 feet
Well Depth:	13 feet
Casing Diameter:	30 inches
Stratigraphic Unit:	Naborton Formation
Water Level Depth Below Surface:	10.93 feet
Date:	February 25, 1955
Method of Lift:	Bucket
Use:	Domestic

A computer search for registered wells was performed by the Water Resources Section of the Louisiana Department of Transportation and Development (LDOTD) in February, 1996. In August, 2004, an online search for registered water wells was performed using the LDOTD web site, www.dotd.state.la.us. The only wells found within 1 mile of the landfill were the five monitoring wells and 17 piezometers within the site, which are shown on **Sheet STE-4** in **Appendix Q**. The only other well found within a mile of the facility was Well No. 161, as described above. The above information can be found in **Appendix A**, and drawings **DSW-GW-01A** and **DSW-GW-01B** show the locations in reference to the landfill.

In February 2006, another online search for registered wells was performed using the LDOTD web site, www.dotd.louisiana.gov in conjunction with the Cell VIII expansion. The latitude and longitude were modified and the radius was increased to incorporate the expansion area. The only wells found within the 1.25-mile radius were Well 161 described previously and wells installed (prior to 11/05) and maintained by the Parish. The 17 monitoring wells and eight piezometers

maintained by DeSoto Parish are shown on drawing **STE-S3** in **Appendix S**. A copy of the results of the on-line well search is presented in **Appendix S**.

As described elsewhere in this application, the groundwater monitoring system is to be upgraded. A series of piezometers was installed in 1996, 1997, 2002, and 2005 to determine groundwater depths and flow directions. This information was utilized in the location and design of new monitoring wells. All piezometers installed to date are shown on ~~**Sheet STE-4 in Appendix Q**~~ **Drawing STE-S3** in **Appendix S** and were completed in accordance with the requirements of the LDEQ/LDOTD document, "Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook,"dated May 1993 and December 2000, as applicable. All procedures concerning installation of the wells, as well as the monitoring and sampling of the wells, are designed and performed to prevent any adverse effects on the environment or the groundwater. Refer to the Groundwater Sampling and Analysis Plan in **Appendix F** for additional information.

On-the-ground field investigations and inventories found no additional active or abandoned water wells within a mile of the site. Potable water services for the area are provided by the East DeSoto Water System, via a water main which is located on the south side of the right-of-way for U.S. Highway 84 along the site frontage.

There are no known industrial water wells or irrigation wells within one mile of the landfill. There is an abandoned gas well on the active landfill property, as shown on drawings **DSW-GP-05A** and **DSW-GP-05B**, presented in **Appendix N**. ~~It~~ This gas well, named P.M. 001, is located within asbestos disposal area ASB1. Oil and gas wells located within the facility or within 2,000 feet of the perimeter were identified using the SONRIS Lite database on the Louisiana Department of Natural Resources web site (www.dnr.louisiana.gov). The well locations are shown on **Drawing STE-S12** and the names and status are listed on **Table 6**, both of which are located in **Appendix S**. Three plugged and abandoned dry holes and one plugged and abandoned oil well are located in the Cell VIII expansion area. A plugged and abandoned dry hole, named Farmer B-1, was identified in the Cell VIII expansion are in October 2007. Eighteen additional wells or dry holes were identified within 2,000 feet of the facility perimeter. All of these wells have been plugged and abandoned except for one producing oil well and one shut-in productive gas and condensate well.

Seismic Exchange, Inc. of New Orleans was retained to conduct a seismic exploration records search in the vicinity of the facility. The results of the records search are presented in a map as **Drawing STE-S11** in **Appendix S**. Four seismic lines cross the facility.

In the event that an abandoned oil or gas well or shot hole is found at the facility, LDEQ will be contacted and the hole sealed according to applicable regulations to prevent adverse environmental effects. Where necessary, casings will be cut off and sealed below the depth of any planned excavation or other construction.

§521.A.2.b. Faults.

i. scaled map showing the locations of all recorded faults within the facility and within one mile of the perimeter of the facility; and

ii. demonstration, if applicable, of alternative fault set-back distance as provided in LAC 33: VII.709.A.5.

There are no known faults within one mile of the Mundy Landfill, in compliance with this section, and no units of the facility located within 200 feet of a fault that has had displacement since Holocene time, in accordance with **§709.A.5**. The publications "Soil Survey of DeSoto Parish, Louisiana," by the Soil Conservation Service in 1986, and "Water Resources of DeSoto Parish, Louisiana," Water Supply Paper 1774, by the U. S. Geological Survey in 1964, both reference significant subsurface faulting in the vicinity of the Sabine Uplift, which is the most significant geological structure of the area. However, the U.S.G.S. paper cites the lack of surface evidence of faulting, and the apparent lack of movement since Paleocene times, over 50 million years ago. Similar conclusions were reached by Maxim Technologies, Inc., the geotechnical engineering firm retained to perform the 1996 subsurface investigation in support of this document, as discussed in their report in **Appendix H**. Special attention is required under **709.A.5** for faults that have had displacement during Holocene time. As noted above, there are no such faults within one mile (much less 200 feet) of the facility. This was also verified by referring to the appropriate source (cited by the USEPA): *Howard*, 1978. This source maps faults which have been active in Holocene time; none are indicated within miles of the Mundy Landfill.

§521.A.2.c. Utilities. Scale map showing the location of all pipelines, power lines, and right-of-ways within the site.

There is a single power line within the boundaries of the landfill. It follows the primary access road from the site entrance to the equipment washpad in the north-central portion of the property. When Cell VII, Phase 1 was approved, the power line was extended to the new leachate lift station serving Cell VII. The extension was installed by the local utility company between closed Disposal Cell III and the wastewater treatment plant, to a location adjacent to the lift station. In 2007, the power line will be extended to provide power to the leachate pumps for Cell VIII. This line will be installed by the local utility company and located so as to prevent interference with landfill operations. The operator's building is served by this power line and by telephone lines and water lines within the U.S. Highway 84 right-of-way. A small water service line has been installed along the access road from the site entrance to the equipment washpad in the north-central portion of the property. The usable area of the property is truncated by a power transmission line right-of-way which crosses the northeast corner of the parcel. The perimeter barrier for the landfill follows the boundary of this right-of-way. Sanitary services for the operator's building are provided by a septic system. Refer to drawing **DSW-GP-05B** in **Appendix N, ~~and~~ Sheet STE-4** in **Appendix Q**, and drawing **STE-S4 in Appendix S** for the site layout and locations of site facilities, including utilities.

§521.B. **Facility Characteristics. Standards concerning facility characteristics are contained in LAC 33:VII.709.B (Type I and II facilities), LAC 33.VII.717.B (Type I-A and II-A facilities), and LAC 33:VII.719.B (Type III facilities). A facility plan, including drawings and a narrative, describing the information required below must be provided.**

§521.B.1. **The following information is required for all facilities:**

§521.B.1.a **Elements of the process or disposal system employed, including, as applicable, property lines, original contours (shown at not greater than five-foot intervals), buildings, units of the facility, drainage, ditches and roads;**

The original property is described on drawing **DSW-GP-02** in **Appendix N**. It consists of a 62-acre parcel of land, roughly rectangular in shape. Drawings **DSW-GP-05A** and **DSW-GP-05B** in **Appendix N** illustrate the site facilities layout from 1984 to1996 and the site improvements constructed in 1997. Sheet **STE-4** presented in **Appendix Q** shows the site conditions as of 2002. As shown on Sheet **STE-4**, approximately 40 acres have been used for waste disposal. The Cell VIII expansion area is approximately 50 acres and is shown on drawing **STE-S4** in **Appendix S.**

There are five non-Subtitle D putrescible waste disposal cells, designated Cells I through V, all of which were closed in 1997; ~~two~~ three putrescible waste disposal cells (Cell VI, ~~and~~ Cell VII, Phase 1, and Cell VIII), which meet the Subtitle D regulations and replace the five closed cells; ~~a~~ two non-putrescible waste disposal cells (CD&T-S and CD&T-N)~~, called the Construction Debris and Trash (CD & T) Area, which was also closed in 1997 and was then capped and re-opened in 1998~~; and two asbestos disposal cells, ASB1 and ASB2. On-site borrow operations were originally performed in Borrow Areas B1 and B2, but have since been shifted to the east side of the 160-acre tract ~~contiguous to the western property line of the landfill property~~ west of Cell VII and Cell V in the area planned for Cell VIII.

Prior to the construction of the landfill, the site sloped downward steeply from southeast to northwest, as shown on drawing **DSW-GP-03** in **Appendix N** and drawing **STE-S4** in **Appendix S**. Construction of the landfill was performed in such a manner as to maintain the original drainage pattern, as indicated on drawing **DSW-SW-03** in **Appendix N** and Sheet **JEI-WP2-01** in **Appendix E**, so the majority of the site runoff exits the property at ~~three~~ four points at the north end of the facility. These points, along with the two other site discharge points, are monitored according to the landfill's two water discharge permits, and are shown on these drawings. Drainage ditches have been installed ~~on both sides of~~ along the access road, with outfalls into ~~a~~ sedimentation ponds, and the site has been graded to divert uncontaminated storm runoff around the disposal cells and off-site without treatment.

Where necessary, diversion berms and ditches (see drawing **DSW-GP-26**) have been installed to channel runoff around the active disposal areas, to reduce the amount of contaminated water requiring treatment. These features were approved by the LDEQ in the initial permit process in 1984 for Mundy Landfill, and have been successful over the life ~~over the 12-year history~~ of the facility in

protecting the disposal cells, minimizing the volume of wastewater requiring treatment, properly controlling, treating, and monitoring the wastewaters generated, and maintaining the landfill in operating condition.

Original construction consisted of an office building and scales at the entrance at the southeast corner of the property; the primary access road; an equipment washpad; a Sedimentation Pond #1 for desiltation of uncontaminated storm runoff; an oxidation pond for treatment of contaminated site wastewater; Cells I - IV; the CD & T area; and the perimeter barrier (see drawing **DSW-GP-05A**). Cell V was added in 1992. Cell VI, its associated treatment plant expansion, and access road relocation were constructed in 1997 (see drawing **DSW-GP-05B**). Construction of Cell VII, Phase I was completed in 2003. Cell VIII was designed and permitted in 2007, see **Appendix S.**

The office building and scales provide the control of all waste brought into the landfill. The scales are situated immediately outside the operator's window to allow observation of all vehicles and access for the random inspections to prevent the entry of unauthorized wastes into the site. Two way scales allow the monitoring of waste quantities, with the ability to weigh vehicles both entering and leaving the site. The building houses the scale operating and monitoring equipment, which records all data concerning incoming wastes.

The road system is detailed on drawing **DSW-GP-21**. The primary access road was originally a flexible pavement design road consisting of asphalt placed over a prepared soil cement base course, extending from the site entrance at U.S. Highway 84 to the equipment washpad at the northwest corner of the site. Most of it was relocated and replaced by a surface aggregate roadway as part of the Cell VI construction. Refer to drawings **DSW-GP-05A** and **DSW-GP-05B**. Construction of Cell VII, Phase 1 in 2003 included a crushed-stone surfaced access road. This road improvement created a true perimeter access system at the facility. The new road improved traffic control by allowing for one-way disposal traffic. Cell VIII is a separate disposal cell, separated from the original landfill by access roads, ditches and Sedimentation Pond #2. Cell VIII will have a paved all-weather access road along its perimeter.

The equipment washpad is a concrete apron, to which all waste-hauling vehicles and all landfill equipment are routed for washing prior to leaving the site. Its location adjacent to the original sedimentation pond, Sedimentation Pond #1, allows the pond water to be used for washing. The washpad is graded and curbed to prevent dirty water from running off onto the ground, with interception by a drainage inlet which is connected to the water treatment plant. All wastewater is channeled to the plant for treatment prior to its discharge from the landfill. A building at the washpad houses the equipment, and a power line and small water service line were installed along the primary access road to the washpad to provide the required facilities.

The sedimentation ponds de-silt all uncontaminated site storm runoff before allowing it to exit the property. Overland runoff from the east side of the site and runoff from the borrow areas and newly constructed disposal cells is diverted via drainage ditches to the ponds for detention, to allow the fine clay and silt particles to settle out. Drainage ditches flow into the ponds, and a spillway or culvert is provided in each pond for discharge. The ability to drain the ponds is also a feature.

The current CD&T (non-putrescible waste disposal) Area (CD&T-S) is depicted on drawings **DSW-GP-05A**, **DSW-GP-05B** (both in **Appendix N**) and **Sheet STE-1** (in **Appendix Q**). It provides for separate disposal of non-putrescible waste, which formerly could be performed in an unlined disposal cell, preserving valuable disposal space in the six putrescible waste disposal cells for materials which must be deposited there. The lack of a composite liner in the CD&T Area necessitated its capping and closure in 1997. Construction of a liner in the area allowed resumption of disposal of non-putrescible waste in 1998. A second non-putrescible waste disposal area, CD&T-N was permitted in 2007.

The putrescible waste disposal cells are described in the appropriate sections of this document. Briefly, the five non-Subtitle D cells (Cells I - V) comprise approximately 27 acres of the landfill site and are expected to contain 348,000 tons of waste materials upon closure at the end of 1997. These five cells have an estimated bottom depth at elevation 199.00 Mean Sea Level, as indicated on drawing **DSW-GP-25**, and a maximum height for waste disposal of 300.00 MSL. Native clay materials compacted to a maximum permeability of 1×10^{-7} cm/sec are used for the cell bottom liner (three feet thick) and final cap (two feet thick). Leachate collection piping was placed above the bottom liner and sloped to the cell perimeters, where it penetrates the compacted clay and was connected to the leachate transmission piping which extended to the treatment plant. The leachate transmission piping was removed during the construction of Cell VII, Phase 1. The leachate lines protruding from Cells II, III, and IV are connected to the leachate collection lines in Cell VII, Phase1. The liner penetration includes the placement of anti-seep collars to prevent leachate escape from the cell by seepage along the pipe. Cell V leachate is collected in a manhole and pumped to a storage tank as needed. A separate sewer for contaminated stormwater was also installed and used for 11 years, but was abandoned, plugged, and partially removed in 1997 as part of the Cell VI construction. In 2003, the abandoned stormwater sewer and leachate transmission piping was removed.

The closure of Cells I - V was made possible by the construction of Cell VI, a disposal area which meets the updated SWRR and the USEPA Subtitle D standards. Cell VII, Phase 1 was constructed in 2003 as Cell VI was reaching capacity. Cell VI and Cell VII, Phase 1 are each eight acres in area. Cell VI has bottom and top elevations similar to Cells I - V, and is designed for disposal of 166,450 tons of refuse. Cell VII, Phase 1 is built partially over Cells I-IV and partially on virgin ground. Cell VIII is proposed for property west of Cell VII. Cell VIII is approximately 29 acres and is designed to be constructed in stages as airspace is needed. The liner of Cell VI and the "bottom" portion of Cell VII, Phase 1~~, and Cell VIII~~ is a composite consisting of three feet of compacted clay from the local borrow area meeting the maximum permeability requirements of 1×10^{-7} cm/sec, a 60-mil high density polyethylene (HDPE) geomembrane, and an eight-ounce filter fabric, all installed under a quality assurance/quality control program which maintained construction according to the design and the SWRR. The leachate collection piping is installed above the composite liner and within a gravel and filter fabric envelope for fines filtration. A 12- to 18-inch thick layer of sand (cell floor) or soil (side slopes) overlays the cell composite liner to provide additional fines and solids filtration and liner protection. The "upper" portion of Cell VII, Phase 1 is lined with an alternate liner. The alternate liner consists of a geocomposite to promote gas migration, overlain by a minimum of 12 inches of compacted clay liner (permeability not more than 1×10^{-7} cm/sec), a geosynthetic clay liner, a 60-mil HDPE liner, a geotextile cushion fabric, and a 12-inch thick soil protective cover.

The "bottom" liner of Cell VIII is similar to that for Cell VII, Phase 1 with the addition of a geosynthetic clay liner (GCL) between the recompacted clay and HDPE liners. A drainage geocomposite media (geonet with geotextile on both sides) will be placed on the side slopes of Cell VIII. The final closure caps for Cells VI, VII, and VIII will consist of two feet of clay compacted to the permeability standard of 1 x 10^{-7} cm/sec, a 60-mil HDPE geomembrane over slopes that are less than ~~6:1~~ 1(V):4(H), and a vegetative topsoil layer.

Drawing **STE-S4** in **Appendix S**, illustrates the elements of the process (property lines, original contours at not more than 5 feet intervals, etc.) as applicable to Cell VIII. This new cell will have a leachate collection system and composite liner meeting the technical standards of **§711.B.4** and **B.5**, respectively. The groundwater monitoring system will have additional wells to meet **§709.E** as described in the Groundwater Sampling and Analysis Plan presented as **Appendix F**. Surface water control features will meet **§711.A**. Details are contained in the appropriate Responses to **§521**.

The treatment plant originally consisted of a single oxidation pond with a surface area of approximately one third of an acre. While this lagoon consistently met the effluent requirements of the discharge permits issued to the facility (see **Appendix E**), there was insufficient detention volume to accommodate the 25-year, 24-hour design storm runoff from the active disposal area. For this reason, and to further improve the quality of the effluent, the plant was expanded in 1997. The oxidation pond was re-built and two polishing ponds were installed adjacent to it, the three ponds being operated in series as facultative lagoons. The reconstruction doubles the surface area of the plant and allows the plant to operate at a shallower depth than originally (three feet vs. five feet), both features of which will improve the efficiency of the plant and the quality of its discharge; enables individual lagoons to be removed from service for maintenance without disrupting plant operations; and provides for detention of contaminated storm runoff above the leachate detention level.

§521.B.1.b. The perimeter barrier and other control measures;

A perimeter barrier is established by fencing constructed around the facility ~~and adjoining property owned by the DPPJ~~, as shown on ~~**Sheet STE-1 in Appendix Q**~~ drawings **STE-S1** and **STE-S4** in **Appendix S** and required by **§709.B.1** and **§719.B.1** of the SWRR. Around the west, north and east sides of the DPPJ property ~~landfill~~, this barrier consists of a conventional "hog wire" fence, with three strands of barbed wire. A fence consisting of barbed wire is on the west half of the southern boundary while a six-foot chain link fence is on the eastern half of the southern boundary near the entrance to the facility. ~~provides the barrier along the landfill frontage with U.S. Highway 84. Fencing was originally installed around the perimeter of the 62-acre landfill property then expanded to enclose a 14-acre borrow area adjoining the western boundary. The fence was later relocated to enclose the 160-acre tract owned by the DPPJ that is west of the original landfill to allow borrow operations to be performed in this area. The north, south, and west sides of the 160-acre tract are enclosed by a three strand barbed wire fence.~~

Entrance gates are locked when not manned, both during hours of operation and after hours. Additional access control is provided by the limited access through the wooded areas adjacent to the property on the north and east sides. Shrubbery and trees planted along the southern boundary screen U.S. Highway 84 from the landfill and borrow area. The property west of Cell VIII is ~~western approximately two-thirds of the 160-acre tract are~~ wooded. Pasture land adjoins the western fence line. Signs are posted at the single facility entrance near the southeast corner of the facility which provide the operating hours of the landfill and list the types of wastes accepted for disposal, specifically excluding hazardous waste. Incoming loads are directed over internal roads to the active cell ~~in the northwest quadrant of the facility~~.

§521.B.1.c. A buffer zone;

For landfills, **§709.B.2.a** requires a 200-foot buffer zone between the property line and the edge of the waste disposal area, unless waived by the adjacent landowner and occupants. Waivers have been obtained as follows and as illustrated on **Sheet STE-1** in **Appendix Q**.

- North Side. Partial waiver was granted by Mary Virginia Saunders Quinn on January 9, 1985. The property has a new owner and sole occupant, MHC Properties, LLC. MHC Properties, LLC granted a waiver of the 200-foot buffer zone on July 22, 2003. The waiver does not allow waste disposal within the 200-foot buffer. The nearest waste disposal boundary is part of Cell VI, located some 220-230 feet south of the facility's northern property line. Cell VIII is located 250 feet south of the facility's northern property line. The facility is therefore in compliance with **§709.B.2** on its north side.

- East Side. Partial waiver was granted by Continental Hodge Woodlands, Inc. (the property owner in September, 1985) that month and year. The property has a new owner, Louisiana Minerals, Limited. The property is currently occupied by the Weyerhaeuser Company under a 99-year lease. A waiver of the 200-foot buffer zone was granted on November 10, 2003 and November 7, 2003 by each party, respectively. The waiver does not allow waste disposal within the 200-foot buffer. A review of **Sheet 40** and **Sheet 41** presented in **Appendix N**, for the permitted Cell VI, indicates no waste disposal east of facility coordinate E1100+00. The facility's eastern property line varies from E1300+08 on its north end to E1300+10 on its south end, i.e., no less than 208 feet from a waste disposal area. The facility is therefore in compliance with **§709.B.2** on its east side.

- South Side. Unconditional waivers allowing solid waste disposal within the 200-foot buffer were granted by the DeSoto Parish Police Jury on November 14, 1990, and by the Louisiana Department of Transportation and Development on October 15, 1990. The LDOTD approved an extension of the waiver on November 2, 1999 and reconfirmed their waiver on November 14, 2003. These are the two owners and occupants of property south of the facility. The southernmost extent of the original waste disposal facility (Cell V, Construction Debris Cell, and ASB-2) is some 50 feet north of the facility's southern property line; existing monitoring wells are at least that far north of that line. The southern most portion of Cell VIII is over 200 feet north of the facility's southern property line. The facility is therefore in compliance with **§709.B.2** on its south side.

- West Side. An unconditional waiver allowing solid waste disposal was granted by the DeSoto Parish Police Jury (owner and sole occupant of ~~all property~~ the 160-acre tract of land immediately west of the original facility) on August 8, 1990. It allows disposal up to the original facility's western property line. The nearest waste disposal boundary on the west side ~~is~~ was that of Cell VII, Phase 1 which is at least five feet

east of the facility's original boundary ~~western property line~~. The western most portion of Cell VIII is proposed to be built west of Cell VII on the 160-acre tract owned by the DeSoto Parish Police Jury. Cell VIII and its ancillary facilities are located well over 200 feet east of the western property line. The facility is therefore in compliance with **§709.B.2** on its west side.

The facility thus meets the buffer zone requirements on all sides. There is no solid waste disposal within 200 feet of the property boundaries to the north and east, and waivers have been granted on the south and west. The waivers on the north and east sides allow for ancillary facilities located within 200 feet of the property lines on these sides. Copies of the Buffer Zone Waivers are located in **Appendix D**. In accordance with **§709.B.2.a**, copies of these waivers have been filed in the Mortgage and Conveyance Records of DeSoto Parish.

§521.B.1.d. Fire-protection measures;

The fire protection needs of the facility are provided by the DeSoto Volunteer Fire Department, with additional services provided by the Louisiana Office of Forestry, when required. Appropriate fire extinguishers are located in all buildings and on mobile equipment units. The Emergency Response Plan for Mundy Landfill is included in **Appendix C**, including a list of emergency telephone numbers for fire, medical, police, DeSoto Parish Police Jury, and Louisiana Department of Environmental Quality personnel. Training is provided for all landfill personnel in fire prevention and in the use of emergency equipment and procedures.

§521.B.1.e. Landscaping and other beautification efforts;

The site entrance is landscaped with bushes and flowers, as required by **§709.B.4** and **§719.B.4**. Additional shrubbery is maintained along the U.S. Highway 84 frontage to provide screening of the facility from traffic. All areas not being actively worked have grass cover which is kept trimmed and mowed. Burning, scavenging, and salvaging are not permitted on the property. Daily cover is utilized to prevent windblown litter and to reduce the sight of disposed waste materials. Fencing is used to control wind-blown paper and litter, which is collected when necessary so as to prevent an unsightly condition.

§521.B.1.f. Devices or methods to determine, record, and monitor incoming waste;

Incoming waste is monitored in a manner conforming to **§709.B.5** and **§719.B.5** of the SWRR. As indicated on drawing **DSW-GP-05B** in **Appendix N**, the scales for incoming waste-hauling vehicles are at the facility entrance. This is the only access to the site. All waste-hauling vehicles entering the property are weighed prior to proceeding past the operator's building. The weight, type, and source of waste are recorded by the landfill operator stationed at the scales for each load to be deposited in the disposal cell, using a computer terminal with technical management program software, which also generates monthly reports and invoices to industrial and commercial waste haulers. The vehicles are then directed to the appropriate work area by the operator. Daily posting of directional signs is used for locations not readily accessible. Additional signage at the site entrance lists the acceptable types of waste, as required by **§709.B.1.d** and **§719.B.1.d**, as well as those waste types that are prohibited. Random inspections of waste-carrying vehicles are conducted prior to disposal to confirm acceptability of the wastes and to prevent the entry of hazardous waste, PCB waste, and other unauthorized or non-permitted waste. Any vehicles carrying unauthorized wastes are denied entry to the disposal areas and returned to their sources. This procedure is outlined in **Appendix C**.

A grid system for Cell VI, consisting of signage along the access road, provides a method for maintaining control of the disposal of wastes within the cell. The signage designates stationing on a north-south, east-west grid for directing disposal traffic to the active disposal area. The grid system is illustrated on **Sheet 40** and **Sheet 41** of **Appendix O**. Horizontal and vertical controls for waste disposal and the daily disposal operations data are recorded in the landfill administrator's office. This information maintains control of waste disposal, and enables the operator to determine the location of suspected unauthorized waste after it has been deposited in the disposal cell.

§521.B.1.g. NPDES discharge points (existing and proposed);

Refer to **Appendix E, Surface Water Controls**, for the original USEPA National Pollutant Discharge Elimination System (NPDES) and Louisiana Department of Environmental Quality (LDEQ) water discharge permits that were issued for this facility, applications for current permits, and a discussion of control of surface runoff which exits the site, in accordance with **§709.B.6** and **§719.B.6**. A copy of the ~~November 2004~~ March 22, 2006 LPDES permit application for permit modification and renewal is also included in **Appendix E**. The existing site discharge points are shown on **Sheet JEI-WP2-01** in **Appendix E**.

There were originally six permitted discharge points at Mundy Landfill. The treatment pond discharge is Outfall 001, which is into a drainage ditch along the western property line which flows to Outfall 003 at its site discharge point at the north~~west~~ central property boundary ~~corner~~. The other four outfalls discharge runoff from the landfill to off-site water channels. Outfall 002 is at the midpoint of the north east half of the northern property line, and Outfalls 004 and 005 are at the northeast and southeast property corners, respectively. The original Outfall 006 at the southwest corner of the original property is no longer required since the installation of Disposal Cell V, which eliminated the minor amount of runoff leaving the property at this corner. The cell installation resulted in this corner of the site being lower than the adjacent off-site areas, so site runoff cannot exit the property at this point. The installation of a disposal road around Cell V channels on-site runoff to the existing drainage ditch which flows northward along the western property line to Outfall 003. The original Outfall 006 is to be eliminated from the permit, as suggested by the LDEQ inspector in 1996. A new Outfall 006 is proposed northwest of Cell VIII. This outfall as well as the other five are discussed in the LPDES permit application presented in **Appendix E**.

§521.B.1.h. Other features, as appropriate.

The parking area for the facility equipment is immediately north of the operator's building. This area is used for parking and for minor repairs and maintenance of all site equipment and vehicles. Major repairs and maintenance are performed offsite. Fueling of site equipment and vehicles is performed on a curbed concrete pad adjoining the containment area for the above-ground storage tanks (ASTs) of fuel. The ASTs are located on the north side of the shop on the north-central portion of the property. The ASTs are surrounded by a concrete wall for spill containment.

Groundwater monitoring for cell leak detection is provided by a system of wells around the site. As described elsewhere in this application, this system ~~is to be~~ has been upgraded as a result of the 1996 subsurface investigation performed in support of this application, which determined that the original wells are not screened in the same substratum or in the water-bearing sands below the site. Information gathered in 1996, 2002, and during 2005, in conjunction with the design and permitting of Cell VIII, has been used to update the monitoring system. A new groundwater monitoring system is proposed as described in the Groundwater Sampling and Analysis Plan presented as **Appendix F**.

Survey control is referenced from the concrete monument on the northern property line just north west of the polishing ponds. The concrete monument marks ~~at the northwest corner of the landfill property, which is also~~ the northwest corner of Section 3, Township 12 North, Range 12 West.

§521.B.2. The following information is required for Type I and II facilities:

§521.B.2.a. Areas for isolating nonputrescible waste or incinerator ash, and borrow areas;

Individual loads of waste containing only non-putrescible materials have been disposed of in the unlined Construction Debris and Trash (CD&T) area. Inspection by the landfill operator has been used to verify that only suitable waste is deposited in this cell. All such waste has been compacted to the highest degree possible and covered with soil materials on a monthly basis, to minimize the harborage of disease and scavenging vectors.

In response to concerns of the Louisiana Department of Environmental Quality concerning the lack of a cell liner and the possible existence of putrescible waste in this area, Mundy Landfill ceased disposal operations in the CD&T cell in 1997, and installed a final cap. Upon completion of the cap, disposal operations for construction debris, yard waste, and trash were resumed in 1998.

Disposal of incinerator ash will be conducted according to the facility's Industrial Solid Waste Disposal Plan (**Appendix C**). Incinerator ash will be disposed only in a lined cell.

Drawings **DSW-GP-05A** and **DSW-GP-05B (Appendix N)** show the three borrow areas. Areas B1 and B2 are on the landfill property, and were used as sources for cover and construction materials for the first several years of operations. Area B1 was included within the limits of Cell VI. Upon exhaustion of these areas, borrow operations were moved to area B3, a 14-acre portion of the Police Jury's 160-acre tract of land located adjacent to the western ~~property line~~ boundary of the original landfill (**DSW-GP-05B** in **Appendix N**). The perimeter barrier of the landfill was relocated to enclose the new borrow area, so as to maintain the limited access to the landfill, while facilitating borrow operations. ~~Upon exhaustion of the 14-acre borrow area, area B3 was expanded westward into the 160-acre tract.~~ The perimeter barrier now encloses the entire 160-acre tract (**Sheet STE-1** in **Appendix Q**). Excavation of Cell VIII is expected to provide most of the operational soil required for operation and construction. The property west and south of Cell VIII is owned by the DeSoto Parish Police Jury. The land to the southwest of Cell VIII will be used for borrow, if additional soil is required.

§521.B.2.b. Location of leachate collection/treatment/removal system.

The leachate system consists of collection piping, transmission piping, manholes, and a plant for treatment of contaminated water by the processes of detention, sedimentation, evaporation, and surface aeration. The approximate locations of the piping are provided on drawing **DSW-GP-05B**, with piping details provided on drawing **DSW-GP-08** of **Appendix N** (Cells I - V); **Sheet 23** through **Sheet 25** in **Appendix O** (Cell VI); **Sheet 11, Sheet 20, Sheet 22** and **Sheet 23** presented in **Appendix P** (Cell VII, Phase 1); drawings **STE-S6** and **STE-S10** in **Appendix S** (Cell VIII). Location and details concerning the 1997 modifications to the treatment plant are provided on **Sheet 29** through **Sheet 38** in **Appendix O**. A complete description of the leachate collection system and its conformance to the SWRR is provided in **§521.F.4.c**.

All wastewater from the landfill is conveyed to the plant for treatment prior to its discharge from the site. Two separate piping systems were originally installed for Cells I - V, one for leachate and the other for the contaminated stormwater, because of the lack of knowledge concerning the treatment of leachate in 1984, and to allow for implementation of separate treatment facilities of the two wastewaters, should it ever be desired. The separate sewer for contaminated stormwater from Cells I - V was abandoned, plugged, and partially removed as part of the wastewater treatment plant upgrade during the Cell VI construction. The leachate piping systems for the preSubtitle D Cells, Cell VI, Cell VII and the Treatment plant are described separately below.

Wastewater consists of the following:

- Leachate from waste disposal cells;
- Contaminated stormwater which falls on the active waste disposal face;
- Silt-laden storm runoff from empty disposal cells or other denuded areas;
- Effluent from the equipment wash pad.

DISPOSAL CELLS I - V:

Cells I - V are closed and capped non-Subtitle D waste disposal cells. They were all closed at the end of 1997, in accordance with the SWRR, and capped in 1998. The leachate collection system is still in operation, but the contaminated stormwater collection system was abandoned as portions became unnecessary, and was permanently plugged as part of the Cell VI construction project of 1997.

All disposal cell floors are sloped at a grade of at least two percent toward the collection piping to facilitate runoff to interception by the piping, which is also sloped to follow the gradient of the cell floor and to maintain positive drainage toward the plant. The piping system itself is designed and installed to conform to the standards in **§711.B.4.b**. Collection piping is located above the compacted clay liner. The piping is six-inch and eight-inch diameter perforated polyvinyl chloride, which was chosen for its past history as sewer conduit and its resistence to corrosion from leachate. The flow path of leachate across the liner does not exceed approximately 100 feet without being intercepted by collection piping. The piping is laid at a minimum slope of one percent and is installed within a gravel-lined trench for protection of the piping and to facilitate interception of the leachate as it flows across the surface of the cell liner.

The piping is sized to accommodate the anticipated maximum flows of leachate, as determined by application of the Hydrologic Evaluation of Landfill Performance (HELP) model, maintaining the leachate head less than one foot above the lowest bottom elevation of the piping. This computer model, which was created by the U.S. Army Corps of Engineers and is recommended by the U.S. Environmental Protection Agency and the Louisiana Department of Environmental Quality, was performed twice for Cells I - V, at different periods in the landfill's life. The 1990 and 1996 HELP model results confirmed the very low quantities of leachate generation in closed disposal cells at Mundy Landfill. The two HELP model outputs are provided in **Appendix J**.

Each disposal cell has a single liner penetration by a leachate transmission pipe, which conveyed collected wastewater to the trunk line along the western side of Waste Disposal Cells II - IV. This trunk sewer flowed northward to the treatment plant. The liner penetration is constructed with a concrete waterstop, surrounding by native clay soils which are compacted to the same permeability requirements as the remainder of the cell liner. Approximate locations of the leachate collection and transmission piping are provided on drawing **DSW-GP-05B**, with details provided on drawing **DSW-GP-08**, both in **Appendix N**. The leachate truck sewer pipe located to the west of Cells II-IV and north of Cell V was removed with the construction of Cell VII, Phase1. A complete description of the leachate collection and transmission system and its conformance to the SWRR is provided in **§521.F.4.c**. Engineering computations concerning the capacity of the piping to convey leachate and to resist deflection are included in **Appendix J**.

The contaminated stormwater sewer consists of reinforced concrete pipe. Each disposal cell had a perforated standpipe or similar interception method at the sump of the active disposal operations area, as shown in drawing **DSW-GP-27** in **Appendix N**, for the interception of all contaminated runoff within the cell. This standpipe was connected to a second trunk sewer for stormwater which was parallel to the leachate trunk sewer described above. The liner penetrations were constructed in a similar fashion to the penetration for the leachate transmission pipe, with a concrete waterstop and compacted clay materials. This separate sewer conveyed contaminated stormwater to the plant for treatment during periods of active waste disposal. This sewer was abandoned, plugged, and partially removed upon closure of the existing five putrescible waste disposal cells at the end of 1997.

CELL VI:

The Cell VI disposal cell floor is sloped at a grade of at least two percent toward the collection piping, which is also sloped to follow the gradient of the cell floor and maintain positive drainage of at least one percent toward the plant. The piping system itself is designed and installed to conform to the standards in **§711.B.4.b**. Collection piping is located above the composite liner. The piping is six-inch, perforated, high density polyethylene (HDPE), which was chosen in accordance with the LDEQ. The flow path across the liner does not exceed approximately 100 feet without being intercepted by collection piping. The piping is laid at a minimum slope of one percent and is installed within a gravel-lined swale for protection of the piping and to facilitate interception of the leachate as it flows across the surface of the cell liner. The gravel envelopment is wrapped in filter fabric for additional removal of fines and solids from the leachate before it enters the piping. An 18-inch sand blanket protects the liner installation on the cell floor and provides primary filtration of

leachate and contaminated stormwater. The same thickness of soil is placed on the cell side slopes to protect the liner.

The piping is sized to accommodate the anticipated maximum flows of leachate, as determined by application of the HELP model, maintaining the leachate head less than one foot above the lowest bottom elevation of the cell floor. Two models were performed, one in December, 1996 for basic design purposes, and a second in July, 1997 to verify the adequacy of the design to accommodate an assumed worst case scenario. These two HELP model outputs are provided in **Appendix J**.

Cell VI has penetrations of the cell liner by a leachate transmission pipe, which proceeds to convey collected wastewater to the trunk line along the northern side of Waste Disposal Cell VI. This trunk sewer flows westward to the treatment plant. The liner penetrations are constructed with two waterstops to prevent seepage of leachate along the pipe. A concrete waterstop is installed outside the compacted clay subliner and within the embankment, and a bentonite waterstop was placed around the pipe in the middle of its penetration of the compacted clay subliner. The bentonite waterstop is a well-graded mixture of bentonite granules and fines which will expand upon contact with moisture to seal the pipe. In addition, the HDPE cell liner material is sealed to each pipe by welding the similar materials. Engineering computations concerning the capacity of the piping to convey leachate and to resist deflection are included in **Appendix J**. All leachate transmission piping is welded HDPE, eliminating leakage.

<u>CELL VII, Phase 1:</u>
The Cell VII, Phase 1 drawings, presented as **Appendix P** describe the construction of Waste Disposal Cell VII, Phase 1. The cell has a standard composite liner in the western portion of its footprint and an alternate liner design in the other (eastern) portion. The standard composite liner consists of three feet of compacted clay (permeability not more than 1×10^{-7} cm/sec), a 60-mil high density polyethylene (HDPE) liner, a geotextile cushion fabric, and a 12-inch thick sand (on the bottom of the cell) or soil (on the side slopes) protective cover. The alternate liner design is within the limits of three previously closed non-Subtitle D disposal cells and constructed over the closure caps of those cells. As determined by shallow borings performed as part of the Cells I - V closure plan, the closure caps on Cells II - IV are a minimum of 30 inches thick (the landfill permit requires a minimum of 24 inches). The alternate liner design which overlays the caps is a geocomposite to promote gas migration, overlain by a minimum of 12 inches of compacted clay liner (permeability not more than 1×10^{-7} cm/sec), a geosynthetic clay liner, a 60-mil HDPE liner, a geotextile cushion fabric, and a 12-inch thick soil protective cover. This alternate liner design required an exemption to the SWRR and public notice of the exemption request. All supporting correspondence was included in Permit Modification No. 31 as Appendix A.

The leachate collection piping is installed above the composite liner on the floor of the cell, which is the western part of the cell footprint. No piping is required in the eastern part, because this entire area is side slope. The floor of the cell liner is graded at a two-percent slope down to the west and slopes varying from one percent (north of Sta. N90) to as great as three-percent (south of that location), both down to the north. This configuration creates a low point at the northwest corner of the cell. Three rows of leachate collection piping are installed across the two-percent bottom slope

at a spacing of 100 feet with a gradient of at least one percent. Three additional rows of piping are placed along the two-percent bottom slope. The piping installation forms a grid which ensures the interception of all leachate. The embedment of the piping with crushed stone or washed gravel in shallow swales also facilitates interception. The cushion filter fabric and the sand filter blanket above the piping and composite liner combine with the crushed stone or washed gravel to keep solid waste materials within the cell while allowing the leachate to be removed by the piping system. The design is in accordance with the requirements of the SWRR, and the four-foot thick clay liner, in the areas below the collection piping, exceeds the regulations.

A design innovation implemented in Cell VII, Phase 1 consists of disconnecting the leachate collection piping exiting non-Subtitle D Waste Disposal Cells I - IV from an existing leachate trunk sewer, removing the sewer, and connecting the piping to the leachate collection piping in Cell VII, Phase 1. The piping from Cells II - V penetrates the liners of those cells and connects to manholes in the trunk sewer, which is west and north of those closed cells and extends north to the wastewater treatment plant. Because of the age of the trunk sewer (over 16 years), the material (jointed polyvinyl chloride pipe), and its location in an unlined area of the landfill, it is felt that the innovation will provide more protection of the environment by replacing the existing sewer with new piping within a lined area. Phase 1 of Cell VII makes this change for piping exiting closed Cells II - IV (with anti-seep measures), reducing the length of the original trunk sewer outside of lined areas. The collection piping from closed Cell V will remain connected to the southern end of the trunk sewer, with the discharge from a sewer manhole being pumped to a portable tank and taken to the treatment plant for disposal as needed. This situation will remain until Phase 2 of Cell VII extends the cell liner and leachate collection system southward to Cell V and allows the removal of the remainder of the old trunk sewer and the connection of the Cell V piping to the Cell VII, Phase 2 piping.

Cell VII, Phase 1 has no liner penetrations along the southern, western or northern boundaries. At the northwest corner sump, a leachate lift station will be installed, which pumps to a short section (approximately 300 feet) of new trunk sewer. This new sewer of 18-inch, fused HDPE pipe conveys leachate to the wastewater treatment plant. This design provides substantial improvements to environmental protection by eliminating so much old piping from closed Cells II - V in unlined areas. Each of those cells had liner penetrations for the separate leachate and contaminated storm sewer piping, and those penetrations had only the clay materials compacted around the pipes and small concrete waterstops to prevent leachate from seeping out of the cells. The elimination of so much old piping carrying leachate from the non-Subtitle D disposal cells, the connection of the leachate piping from those cells to similar piping in Cell VII, and the use of a leachate lift station within the lined Cell VII, Phase 1 will greatly reduce the possibility of seepage of leachate produced within these disposal cells.

Modeling of the leachate collection system in 1996 and 1997 for Permit Modification No. 26 concerning the construction and permitting of Waste Disposal Cell VI validates the liner and leachate collection system design described above. The Hydrologic Evaluation of Landfill Performance (HELP) Model created by the U. S. Army Corps of Engineers verified in the 2002 analysis that the Cell VII, Phase 1 design, will prevent leakage of leachate through the cell liner, and the design of

the leachate lift station will maintain no more than one foot of leachate in the cell. The modeling is corroborated by the low leachate flow rates observed at the landfill since its inception.

CELL VIII:

This cell is separate from the previous cells and is located approximately 200 feet west of Cell VII, Phase 1. The drawings for Cell VIII are presented in **Appendix S**. The cell will have a composite liner, consisting of three feet of recompacted clay (permeability not more than $1x10^{-7}$ cm/sec), a geosythetic clay liner (GCL), a 60-mil HDPE liner, and a 12-inch thick sand (on the cell bottom). A drainage geocomposite media (a geonet with geotextile on both sides) will be placed on the side slopes, instead of sand. Protective material (for example, buffer layer soil) will be placed on top of the drainage geocomposite media on the side slopes before placement of waste. The leachate collection system is installed above the liner on the below-grade soils and bottom of the cell. The floor of the cell liner has at least a two percent slope toward leachate collection piping which is installed with at least a one percent slope down to the north or west side, depending on the location. This creates low points (sumps) for leachate removal along the cell's western boundary. Rows of leachate collection piping are installed across the two-percent bottom slope at a spacing of 200 feet to maintain a maximum 100-foot flow dimension with a gradient of at least one percent. The embedment of the piping into crushed stone or washed gravel in shallow swales also facilitates interception. The cushion filter fabric and the sand filter blanket above the piping and composite liner combine with the crushed stone or washed gravel to keep solid waste materials within the cell while allowing the leachate to be removed by the piping system. The design is in accordance with the requirements of the SWRR.

Modeling of the leachate collection system for Cell VIII used the Hydrologic Evaluation of Landfill Performance (HELP) Model created by the U.S. Army Corps of Engineers. The results for Cell VIII are similar to those for Cell VI/VII. The Cell VIII analysis is presented in **Appendix S.** The model verifies that the Cell VIII design will maintain less than one foot of hydraulic head over the liner; prevent leakage of leachate through the cell liner; and, produce a manageable flow of leachate.

WASTEWATER TREATMENT PLANT:

The treatment plant is situated at the northwest corner of the landfill property, the lowest area on the site. This location enables the leachate piping systems to be constructed as gravity flow sewers rather than force mains, minimizing: leaks; initial capital costs; and, maintenance, and facilitating operations. For the first 12 years of landfill service, the plant consisted of a single oxidation pond which operated at a depth of five feet. This facility accommodated and properly treated the low volume and strength of leachate and contaminated stormwater generated by the disposal cells, but did not have the extra capacity necessary for the detention of the runoff from the 25-year, 24-hour storm, which is required by the SWRR.

The construction and permitting of Waste Disposal Cell VI in 1997 include an upgrade of the wastewater treatment to remedy the acknowledged shortcoming. The plant currently operates as three ponds in series. Oxidation Pond 1 is the original oxidation pond, which was drained and relined with compacted clay and performs the sedimentation treatment and the bulk of the biological treatment of the wastewaters. Polishing Ponds 2 and 3 are concrete tanks installed downstream from

the oxidation pond which improve the quality of the plant effluent. The plant is operated at a depth of only three feet, with additional capacity provided above this depth for contaminated storm runoff detention from the 25-year, 24-hour storm. Construction included piping and controls to allow for isolation of any individual pond for maintenance, without disrupting treatment plant operations, and variation of depth of water in the ponds for better treatment control. Also included were flow measurement improvements and a new discharge structure to the drainage ditch west of the plant.

Pond influent is treated in accordance with **§709.B.6** and **§719.B.6**, which mandate that discharges from the site meet the requirements established by Louisiana Department of Environmental Quality Water Discharge Permit WP 1108 and USEPA National Pollutant Discharge Elimination System Permit LA0066702. Pond effluent is sampled, tested, and reported according to these permits, copies of which are included in **Appendix E**, along with the ~~November 2004~~ March 22, 2006 LPDES permit application for modification and renewal of the discharge permit, and additional surface water control information. Copies of the report forms are included in **Appendix C**.

§521.C. **Facility Surface Hydrology. Standards governing facility surface hydrology are contained in LAC 33:VII.711.A (Type I and II landfills), LAC 33:VII.713.A (Type I and II surface impoundments), LAC 33:VII.715.A (Type I and II landfarms), LAC 33:VII.717.C. (Type I-A and II-A facilities), and LAC 33:VII.719.C (Type III facilities).**

§521.C.1. **The following information regarding surface hydrology is required for all facilities:**

§521.C.1.a. **A description of the method to be used to prevent surface drainage through the operating areas of the facility;**

The drawings presented in **Appendix P** depict the levees and temporary earthen berms constructed to exclude surface drainage from Waste Disposal Cell VII, Phase 1. Permanent levees are constructed on the northern and western sides of Cell VII ~~the new cell~~, with the new landfill access road being built atop the western levee and the leachate lift station being installed in the northern levee. Both of these levees extend the length of the cell on its northern and western sides, have interior and exterior side slopes of two horizontal to one vertical (2:1), and are approximately 15 feet high.

At the southern limits of the Phase 1 composite liner, earthen berms are ~~to be~~ constructed. The primary purpose of these berms is the exclusion of stormwater runoff from the active waste disposal area. ~~In addition to this primary purpose, these berms also provide waste containment and protection of the composite liner for future extension further south in Phase 2 of Cell VII. This future construction will begin with the careful removal of the berm, exposing the existing composite liner. The berm will provide protection during construction and disposal operations so that the liner will remain suitable for watertight connection of similar materials during the liner extension in Phase 2.~~

Additional berms will be placed at the top of the two slopes at the eastern limits of each type of Phase 1 cell liner construction. Approximately 280 feet east of the construction baseline is the top of one slope which is the eastern limit of the standard composite liner of three feet thick compacted clay and 60-mil high density polyethylene (HDPE). The HDPE extending to the west is anchored in a trench at the top of this slope. At the far eastern limits of Cell VII, Phase 1, above the closure caps for closed Cells II - IV, is the top of the second slope, in which the geosynthetic clay material and HDPE for the Cell VII, Phase 1 alternate liner design are anchored. Above these two anchor trenches, temporary berms are constructed for the exclusion of stormwater runoff from the active waste disposal areas. These berms extend the length of the cell from south to north and intercept and divert surface runoff northward and outside the limits of the disposal cell.

The drawings in **Appendix S** depict the levees, etc., which will be used to exclude surface drainage from Cell VIII during each stage of its implementation. A perimeter levee system will surround Cell VIII. The levee system will be constructed with a composite liner system and will slope at a 3H:1V on the interior and exterior slopes. The levee will range in elevation from +180 feet NGVD to +197 feet NGVD. An all weather access road will be constructed atop the perimeter levee. The levee will

prevent stormwater from entering the cell and also will prohibit refuse and leachate from exiting the cell.

These procedures are used to ensure compliance with **§711.A.5**, **§711.A.6**, and **§713.A.5** of the regulations.

§521.C.1.b. A description of the facility runoff/run-on collection system;

Cells I through VII of the Mundy Landfill ~~is~~ are sited at the top of a hill, as shown on drawing **DSW-GP-03** in **Appendix N**, the original topography plan. Cell VIII original contours are shown on **STE-S4 in Appendix S.** The southern end of the site, adjacent to U.S. Highway 84, is the high point; drainage is generally to the northwest, with small portions of the property draining to the east, west, and the north. Run-on to the site occurs (1) at the northeast corner, below and bypassing the waste disposal areas and immediately exiting the property; ~~and~~ (2) along the central portion of the southern boundary ~~western property line~~, where it is intercepted by a drainage ditch which conveys the uncontaminated stormwater to Outfall 003; and, (3) at the northwest corner of the facility, below the waste and immediately exiting the site via the creek just west of Cell VIII. ~~located just inside the property line and west of Cell VII. The ditch conveys the uncontaminated stormwater water to Outfall 003 at the northwest property corner, without ever approaching the disposal cells.~~ The other areas of the property are not subject to run-on. ~~with the on-site surface flow exiting the site at these points.~~

Run-off from the closed disposal cells is diverted to drainage ditches. One ditch begins south of Cell V, passes it to the west, and flows into the drainage ditch between Cell VII and Cell VIII ~~that parallels the western property line~~ (Station E 100+00). All runoff in the south central portion ~~southwest corner~~ of the property is intercepted by this ditch. The ditch between Cell VII and Cell VIII ~~along the west property line~~ intercepts uncontaminated runoff from disposal cells and potential runon from ~~properties~~ west of the landfill, and proceeds past the wastewater treatment plant to site Outfall 003. Runoff from the east side of ~~the~~ disposal cells I - VII is intercepted by a drainage ditch and diverts the runoff around the south side of the treatment plant and into the ditch to Outfall 003. All other areas outside the ~~active~~ disposal area naturally drain off site. The site access road is paralleled on both sides by drainage ditches for storm runoff control. The ditch on the west and south side of the road conveys stormwater to ~~the~~ Sedimentation Pond #2. The ditch on the east is diverted off site. Discharge from ~~the~~ Sedimentation Pond #2 immediately exits the property north of the pond. Discharge from the water treatment plant (Outfall 001) is to the ditch passing the plant on its south side and flowing into ~~the drainage ditch along the western property line~~ Sedimentation Pond #2. Runoff within disposal areas is controlled as discussed in **§521.C.1.a** above. Refer to **Appendix E, Surface Water Controls** and drawing **JEI-WP2-01.**

Cell VIII is located west of the north-south ditch which runs (roughly) along Station E 100+00. That ditch prevents runon from the east side of the facility from entering Cell VIII. In the final phase, permanent ditching on the north, south, and west sides of Cell VIII will also prevent runon. Final ditching is illustrated on drawing **STE-S9** in **Appendix S.** Temporary ditching will be constructed as appropriate to prevent runoff/runon during phased construction of Cell VIII.

§521.C.1.c. The maximum rainfall from a 24-hour/25-year storm event;

As shown on drawing **DSW-SW-04A**, the 25-year, 24-hour storm will deposit approximately 8.6 inches of rain at this location. In accordance with **§711.A.3**, **§713.A.3**, and **§719.C.3**, the design standard of 9.0 inches is used for computations and design concerning stormwater. Refer to the design computations in **Appendix J** and **Appendix S**, which indicate design of all surface runoff diversion devices, ditches, piping, and the treatment plant to accommodate this rainfall.

§521.C.1.d. The location of aquifer recharge areas in the site or within 1,000 feet of the site perimeter, along with a description of the measures planned to protect those areas from the adverse impact of operations at the facility;

The term "aquifer recharge area" is not defined in **§115** (Definitions). However, a comparable term in that section is: *"Surface-recharge Zone - an area where a formation or formations that compose an aquifer intersect the land surface and receive water from percolation, precipitation, or surface-water bodies."*

In 1988-1989, the Louisiana Geological Survey mapped aquifer recharge areas throughout the state for the LDEQ; the results were published as LGS Open-File Series 88-07. The appropriate section of "Aquifer Recharge Atlas Map #5" dated 1988 from that study is reproduced as **Sheet STE-2**, Aquifer Recharge Potential, in **Appendix Q**. It shows the site to be in an area classified by the LGS as *"Moderate Recharge Potential - areas generally consist of moderately to well drained soils...having moderate rates of water transmission."* Furthermore, the appropriate geological publication ("Geology of DeSoto and Red River Parishes," LGS, 1948) shows that the Naborton clay extends to at least Elevations 0 to +50 feet MSL near the site (See **Sheet STE-3**, Deep Geological Cross-Section in **Appendix Q**).

The site of the Mundy Landfill is not over or within 1000 feet of any aquifer recharge area. The nearest area of High Recharge Potential is some eight miles from the site and across the Red River. There is at least 100 feet of Naborton Clay between the base of the facility and the top of the shallowest regional aquifer. Therefore, no specific protective measures are necessary.

Since the site is not in a aquifer recharge area (zone), no unusual precautions are needed to comply with **§711.A.2**. Even though this site is not within 1000 feet of an aquifer recharge zone, the facility will have composite liners on all disposal cells, leachate and stormwater ponds, and drainage ditches.

§521.C.1.e. If the facility is located in a flood plain, a plan to ensure that the facility does not restrict the flow of the 100-year base flood or significantly reduce the temporary water-storage capacity of the flood plain, and documentation indicating that the design of the facility is such that the flooding does not affect the integrity of the facility or result in the washout of solid waste.

As shown on the floodplain map depicted on drawing **DSW-SW-09** in **Appendix N**, drawing **STE-S2** in **Appendix S**, and the related information provided in **Appendix A**, the facility lies outside the limits of any 100-year floodplain. This data is drawn from the Flood Insurance Rate Maps produced by the Federal Emergency Management Agency, and clearly indicated that the site is outside any flood plain. There is no need to further address this regulation.

§521.D. **Facility Geology. Standards governing facility geology are contained in LAC 33:VII.709.C (Type I and II facilities), LAC 33:VII.717.D (Type I-A and II-A facilities), and LAC 33:VII.719.D (Type III facilities).**

§521.D.1. **The following information regarding geology is required for Type I and Type II facilities:**

§521.D.1.a. **Isometric profile and cross-sections of soils, by type, thickness, and permeability;**

The information from the 1996-1997 and 2002 subsurface investigations was used to update the isometric profile and cross-sections for the original layout of the landfill from the 1984 permit application. ~~New d~~ Drawings are provided in **Appendix Q: Sheets JEI-3** through **JEI-14**, which are geologic cross-sections showing the subsurface profile beneath the ~~site~~ existing landfill (Cells I - VII); and, **Sheet JEI-18**, an isometric profile. Information from the 2005 groundwater monitoring system upgrade and subsurface investigation was used to update selected cross-sections and the isometric profile for permitting of Cell VIII. These drawings, **JEI-S3** through **Sheet JEI-S10** and **JEI-S14**, are provided in **Appendix S.** As shown on the cross-sections and isometric profiles, the site stratigraphy can be divided into six primary strata as described below:

Zone	Typical Elevations (ft MSL)		Description of Stratum
	Top	Bottom	
B	270-235	252-200	Clay (CH), silty clay, and fine-grained sandy clay (CL); firm to stiff, dark brown to black, tan, gray and orange; some laminations, occasional lignite layers or iron nodules and laminations. Some limited intervals of silt, clayey silt, and sandy silt (ML), clayey sand (SC); and sandy clay (CL with sand).
C	270-220	230-200	Silty fine-grained sand (SM), clayey sand and clayey silty sand (SC), and fine-grained sand (SP); loose to stiff; brown, tan, orange, and gray; laminated, some mottling, occasional lignite and ironstone layers. Some limited intervals of sandy silt (sandy ML), silt with clay and clayey silt (ML), and sandy silty clay (sandy CL & CL with sand).
D1	230-~~220~~ 200	205-165	Silty clay (CH and CL) and clay (CH) with thin lenses and laminations of silt and sandy silt; typically very stiff, hard; light to dark gray and brown, tan, and orange; laminated, occasionally mottled, often fissile. Some intervals described as silty sandy clay and sandy silty clay (CL), clayey silt and silt with clay (CH), and thin (<2") intervals of clayey silt (ML).

Zone	Typical Elevations (ft MSL) Top	Bottom	Description of Stratum
G1	205-~~190~~ 180	195-~~185~~ 180	Silt, sandy silt, clayey silt, silt with clay, and clayey sandy silt (ML, sandy ML, ML/CL, CL-ML, ML/CL with sand), and silty sand (SM); gray, brown, tan, and orange; soft to ~~very stiff~~ hard, mottled to laminated, some clay laminations and lenses. Some limited intervals of clayey silty sand and clayey sand (SC, SC/SM), ~~and~~ sandy clay and sandy silty clay (sandy CL and CL with sand), and silt with clay and clayey silt (CL).
G2	185-165	175-155	Clayey silty sand ~~(SC),~~ sandy silty clay, and clayey sand (SC and sandy CL), and sandy clay and silty sandy clay (sandy CL and CL with sand); gray, brown, tan, and orange; frequently laminated, some clay and sandy silty laminations, occasional iron nodules. Some limited intervals of clayey sandy silt (ML), very sandy clay-silt (sandy CL-ML), clayey silt with silty clay (MH, CL/ML), silt and silty sandy clay (CL) and silty clay with very fine sand and sandy silty clay (CH/CL).
D2	185-155	Below 76*	Silty clay (CL) and clay (CH) with thin lenses and laminations of silt and sandy silt; very stiff; light to dark gray and brown, tan, and orange; laminated, occasionally mottled; trace glauconite. Some clayey silt and silt with clay (CH).

* Bottom of deepest boring is 76 feet MSL. Published data indicate that D2 extends to elevations between 0 and 50 feet MSL.

Zones C, G1, and G2 are permeable, water-bearing strata that underlie at least parts of the site. Zone C is the uppermost permeable water-bearing unit. Zones G1 and G2 are discontinuous permeable strata that together comprise the uppermost aquifer. A discontinuous rock layer ranging in thickness from 1.5 inches to 4 feet often occurs within, ~~or~~ beneath, or above Zone G1. This rock may be used as a marker bed for identifying Zone G1. Zones B, D1, and D2 are relatively impermeable, confining strata. Zone B may contain layers of peat or lignite up to about 3 feet thick. The lignite shows some lateral continuity across the eastern portion of the site. Zone D1 also contains layers of lignite up to 3 feet thick between Zones C and G1. The lignite layer is laterally continuous across much of the southern portion of the site. Layers of rock up to ~~2~~ 3 feet thick occasionally occur in Zone D2, the confining stratum beneath the site.

§521.D.1.b. Logs of all known soil borings taken on the facility and a description of the methods used to seal abandoned soil borings;

The locations of all soil borings, monitoring wells, and piezometers completed at the site are indicated on drawing STE-S3 ~~Sheet STE-4~~ in **Appendix ~~Q~~ S**. The locations of monitoring wells and piezometers currently installed at the facility are shown on drawing **STE-S3** ~~**Sheet STE-6**~~, in **Appendix ~~Q~~ S**. From 1984 through ~~2002~~ 2005, a total of ~~71~~ 95 soil borings have been logged and sampled at the facility. ~~Sixty-seven~~ Ninety-one soil borings were conventionally logged by visual means and soil test data. Eighteen of these were also electrically logged. Four soil borings were electrically logged only. All conventional visual/soil test logs, electrical log (E-log) interpretations, and E-log raw data are included in Appendices of this document. **Table 1** in ~~**Section 4 of**~~ **Appendix ~~M~~ S** summarizes all soil borings, electrical logs, and corresponding monitoring wells and piezometers.

The logs of all soil borings made at the site are contained in this Application, as follows:

Appendix G	Pre-1996 Programs Borings B1-B19 MW1-MW4A (no boring log is available for MW-4A)
Appendix H	1996 Program Borings B100-B119 E-logs E100-E106B, E110B, E112-E118 E-log Interpretations E100-E106B, E110B, E112-E118 Piezometers USPZ102, 103, 104B, 111, 113 Piezometers LSPZ100B, 102, 103, 104, 106B, 110B
Appendix M	2002 Program Borings B200-B223 (no B211) E-logs E200-E204 2003 E-log Interpretations E100-E106B, E110B, E112-E118, E200-E204 Piezometer USPZ209 Piezometers LSPZ208, 209, 210A, 210B, 219
Appendix S	2005 Program Borings MW-C-5, MW-C-6, MW-G1-7, MW-G1-8, MW-G1-9, MW-G1-10, MW-G1-10A, MW-G1-11A, MW-G1-11B, MW-G2-12, MW-G2-13, B301-B312, B217A, B218A Monitoring Wells MW-C-5, MW-C-6, MW-G1-7, MW-G1-8, MW-G1-9, MW-G1-10, MW-G2-12, MW-G2-13 Piezometers PZ-G1-305, PZ-C-308, PZ-G2-309, PZ-G1-312

The history and methodologies used for subsurface investigations at the facility through 2002 are described in **Appendix R, Section R-1**. Soil characterization by visual logging and soil tests and by

electrical logging is discussed in **Appendix R, Section R-3**.

All 1996, ~~and~~ 2002, and 2005 soil borings that were not completed as monitoring wells or piezometers were plugged with cement-bentonite slurry from the bottom of the hole to the ground surface, using the pump-down method of placement. ~~and~~ All wells that have been plugged and abandoned (MW-3, ~~and~~ LSPZ208, MW-2, LSPZ100B, LSPZ104, LSPZ106B, LSPZ111, and LSPZ210B) were sealed in accordance with the requirements of the LDEQ/LDOTD document, "Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook." ~~All holes were plugged with cement-bentonite slurry from the bottom of the hole to the ground surface, using the pump-down method of placement.~~ The log for B16 notes that it was grouted with cement-bentonite, though no method is specified. It is assumed that similar methods were used in 1984 for B1-B15 and in 1992 for B17-B19, but no records are available.

§521.D.1.c. Results of tests for classifying soils (moisture contents, Atterberg limits, gradation, etc.), measuring soil strength, determining the coefficients of permeability, and other applicable geotechnical tests;

Soil tests were conducted in accordance with **§709.C.1.c.iv** on selected samples from ~~67~~ 80 soil borings that were visually logged in the field. Results of tests for classifying soils are included on the respective log for the boring from which the samples were collected. Testing included sieve analyses and hydrometer analyses, moisture content, Atterberg limits, bulk density, compaction, and horizontal and vertical permeability tests. Also, geotechnical analyses were performed concerning slope stability, subgrade bearing capacity, desiccation resistance, and hydrostatic heave probability. Test results were used to characterize and classify the strata according to the Unified Soil Classification System (USCS: ASTM D2487) as specified in the LDEQ/LDOTD document "Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook," Section 4.3. Test results also confirmed the suitability of the site and its native materials for the use as sanitary landfill construction and operations materials.

Soil test results from all borings prior to the 1996 subsurface investigation are located in **Appendix G, Sections G-2 and G-7**. Tests results from the 1996 subsurface investigation are included on soil boring logs in **Appendix H, Section H-3**. Test results from the 2002 investigations are given on the soil boring logs in **Appendix M, Section M-1**. Tests from the 2005 investigation are given on soil boring logs in **Appendix S.**

§521.D.1.d. Geologic cross-section from available published information depicting the stratigraphy to a depth of at least 200 feet below the ground surface;

Sheet STE-3 in **Appendix Q** illustrates the regional stratigraphy in the vicinity of Mundy Landfill obtained from "Geology of DeSoto and Red River Parishes," Louisiana Geological Survey Bulletin #23, 1948. The landfill is located on sediments of the Naborton Formation. The U.S. Department of Agriculture (USDA) Soil Conservation Service publication "Soil Survey of Desoto Parish, Louisiana", 1986, and the U.S. Geological Survey (USGS) Water Supply Paper 1774, "Water Resources of Desoto Parish, Louisiana", 1964, both describe the Naborton Formation clays as extending to a depth of as much as four hundred fifty feet (450') below the surface.

§521.D.1.e. For faults mapped as existing through the facility, verification of their presence by geophysical mapping or stratigraphic correlation of boring logs. If the plane of the fault is verified within the facility's boundaries, a discussion of measures that will be taken to mitigate adverse effects on the facility and the environment;

As described in the USDA Soil Conservation Service publication "Soil Survey of DeSoto Parish, Louisiana", 1986, and the USGS Water Supply Paper 1774, "Water Resources of DeSoto Parish, Louisiana", 1964, there is little surface evidence of faulting in DeSoto Parish. Significant subsurface faulting has been documented near the Sabine Uplift, which is the dominant geological feature of northwest Louisiana, but the USGS paper cites the apparent lack of movement or displacement since the Paleocene Era, over fifty million years ago. There are no known faults in the vicinity of Mundy Landfill. Similar conclusions were reached by Maxim Technologies, Inc., the previous geotechnical consultant engaged to perform the subsurface investigation required to support this Permit Renewal Application. Those results are described in **Appendix H** of this document. The USEPA source for faults active in Holocene time (Preliminary Map of Young Faults in the United States as a Guide to Possible Fault Activity, USGS Map MF-916) indicates that none are indicated within 200 feet of the Mundy Landfill.

Since no faults are known to exist at the site, no special mitigation measures are necessary.

§521.D.1.f. For a facility located in a seismic impact zone, a report with calculations demonstrating that the facility will be designed and operated so that it can withstand the stresses caused by the maximum ground motion, as provided in LAC 33:VII.709.C.2;

The Mundy Landfill is not located within a seismic impact zone. The USEPA reference for Seismic Impact Zones is USGS open-file Report No. 82-1033 (See "Federal Register", Vol. 56, no. 196, p. 51046). It shows that no part of the State of Louisiana is located in a Seismic Impact Zone.

§521.D.1.g. For a facility located in an unstable area, a demonstration of facility design as provided in LAC 33:VII.709.C.3.

All available documentation indicates that the Mundy Landfill is not located within an unstable area.

§521.D.2. The following information regarding geology is required by Type III woodwaste, and construction /demolition-debris facilities:

§521.D.2.a. General description of the soils provided by a qualified professional (geotechnical engineer, soil scientist, or geologist), with a description of the method used to determine soil characteristics;

As described above, the results from subsurface investigations performed at this site from 1984 to ~~2002~~ 2005 are included in this document. The pre-1996 information is included in **Appendix G** and was the data used to validate the permitting of this site as a landfill. The 1996 data in **Appendix H** and the 2002 data in **Appendix M** have been used to support this Permit Renewal Application, to request changes to the site to ensure compliance with the current SWRR, and to update and improve the facility. The 2005 data in **Appendix S** was generated during the upgrade of the groundwater monitoring system in accordance with the Permit Renewal Application and for permitting of Cell VIII. All geotechnical investigations and resulting information have been performed by geotechnical engineering firms and sealed by professional engineers. The 1984 permit investigation was done by Soil Testing Engineers, Inc. of Baton Rouge, Louisiana, and the 1996-early 2002 work was performed by Maxim Technologies/Southwestern Laboratories, Inc. of Shreveport, LA. Jones Environmental, Inc., of Shreveport, LA, and Soil Testing Engineers, Inc., conducted the bulk of the 2002 investigation and the 2005 investigations in entirety.

Soils were characterized by visual logging in general accordance with the LDEQ/LDOTD document "Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook," Section 4.3. In accordance with **§521.D.1.c**, the soils were classified according to the *"...results of tests."* The appropriate ASTM procedures were used, as directed in **§709.C.1.c.iv.** These are ASTM D2488 (visual/manual means) and D2487 (with lab tests). The adequacy of data from boring logs, particularly data generated prior to 1996, is discussed in **Appendix R, Section R-3**.

In 1996 and 2002, a total of 22 soil borings were electrically logged. The electrical data output allows classification of the soil into three categories: sand, clay, and rock. These categories are obviously simplifications of the actual soil classifications, however, they provide a general evaluation of the average soil permeability and provide an overall description of the soil conditions associated with the laminated silt and clay found at the site. Limitations of the E-log data are discussed in **Appendix R, Section R-3**. Because Zones G1 and G2 can be difficult to identify in the subsurface, E-log data was used to supplement visual logging and soil test data for identifying these zones. E-log data is shown using dashed lines on geologic cross-sections and ~~the~~ isometric profiles for visually logged soil borings (**Sheets JEI-3** through **14** and **JEI-18** in **Appendix Q** and **Sheets JEI-S3** through **JEI-S10** and **JEI-S14** in **Appendix S**).

Stratigraphic interpretations based on visual logging and soil test data are included on cross-sections in **Sheets JEI-3** through **JEI-14** and an isometric profile on **Sheet JEI-18**, ~~all~~ located in **Appendix Q**, and **Sheets JEI-S3** through **JEI-S10** and **JEI-S14** in **Appendix S**. E-log data for Zones G1 and G2 and rock layers from E100, E100B, E103, E104B, E106B, and E110B were also used to construct the cross-sections and isometric profile. The site stratigraphy can be divided into six primary strata

as described below:

Zone	Typical Elevations (ft MSL) Top	Bottom	Description of Stratum
B	270-235	252-200	Clay (CH), silty clay, and fine-grained sandy clay (CL); firm to stiff, dark brown to black, tan, gray and orange; some laminations, occasional lignite layers or iron nodules and laminations. Some limited intervals of silt, clayey silt, and sandy silt (ML), clayey sand (SC); and sandy clay (CL with sand).
C	270-220	230-200	Silty fine-grained sand (SM), clayey sand and clayey silty sand (SC), and fine-grained sand (SP); loose to stiff; brown, tan, orange, and gray; laminated, some mottling, occasional lignite and ironstone layers. Some limited intervals of sandy silt (sandy ML), silt with clay and clayey silt (ML), and sandy silty clay (sandy CL & CL with sand).
D1	230-~~220~~ 200	205-165	Silty clay (CH and CL) and clay (CH) with thin lenses and laminations of silt and sandy silt; typically very stiff, hard; light to dark gray and brown, tan, and orange; laminated, occasionally mottled, often fissile. Some intervals described as silty sandy clay and sandy silty clay (CL), clayey silt and silt with clay (CH), and thin (<2") intervals of clayey silt (ML).
G1	205-~~190~~ 180	195-~~185~~ 180	Silt, sandy silt, clayey silt, silt with clay, and clayey sandy silt (ML, sandy ML, ML/CL, CL-ML, ML/CL with sand), and silty sand (SM); gray, brown, tan, and orange; soft to ~~very stiff~~ hard, mottled to laminated, some clay laminations and lenses. Some limited intervals of clayey silty sand and clayey sand (SC, SC/SM), ~~and~~ sandy clay and sandy silty clay (sandy CL and CL with sand), and silt with clay and clayey silt (CL).
G2	185-165	175-155	Clayey silty sand ~~(SC),~~ sandy silty clay, and clayey sand (SC and sandy CL), and sandy clay and silty sandy clay (sandy CL and CL with sand); gray, brown, tan, and orange; frequently laminated, some clay and sandy silty laminations, occasional iron nodules. Some limited intervals of clayey sandy silt (ML), very sandy clay-silt (sandy CL-ML), clayey silt with silty clay (MH, CL/ML), silt and silty sandy clay (CL) and silty clay with very fine sand and sandy silty clay (CH/CL).

Zone	Typical Elevations (ft MSL)		Description of Stratum
	Top	Bottom	
D2	185-155	Below 76*	Silty clay (CL) and clay (CH) with thin lenses and laminations of silt and sandy silt; very stiff; light to dark gray and brown, tan, and orange; laminated, occasionally mottled; trace glauconite. Some clayey silt and silt with clay (CH).

* Bottom of deepest boring is 76 feet MSL. Published data indicate that D2 extends to elevations between 0 and 50 feet MSL.

Zones C, G1, and G2 are permeable, water-bearing strata that underlie at least parts of the site. Zone C is the uppermost permeable water-bearing unit. Zones G1 and G2 are discontinuous permeable strata that together comprise the uppermost aquifer. A discontinuous rock layer ranging in thickness from 1.5 inches to 4 feet often occurs within, ~~or~~ beneath, or above Zone G1. This rock may be used as a marker bed for identifying Zone G1. Zones B, D1, and D2 are relatively impermeable, confining strata. Zone B may contain layers of peat or lignite up to about 3 feet thick. The lignite shows some lateral continuity across the eastern portion of the site. Zone D1 also contains layers of lignite up to 3 feet thick between Zones C and G1. The lignite layer is laterally continuous across much of the southern portion of the site. Layers of rock up to ~~2~~ 3 feet thick occasionally occur in Zone D2, the confining stratum beneath the site.

§521.D.2.b. Logs of all known soil borings taken on the facility and a description of the methods used to seal abandoned soil borings.

As described in the response to **§521.D.1.b**, the logs of all soil borings completed at the site are contained in this Application, as follows:

Appendix G
Pre-1996 Programs
Borings B1-B19
MW1-MW4A (no boring log is available for MW-4A)

Appendix H
1996 Program
Borings B100-B119
E-logs E100-E106B, E110B, E112-E118
E-Log Interpretations E100-E106B, E110B, E112-E118
Piezometers USPZ102, 103, 104B, 111, 113
Piezometers LSPZ100B, 102, 103, 104, 106B, 110B

Appendix M
2002 Program
Borings B200-B223 (no 211)
E-Logs E200-E204
2003 E-Log Interpretations E100-E106B, E110B, E112-E118, E200-E204
Piezometers USPZ209
Piezometers LSPZ208, 209, 210A, 210B, 219

Appendix S
2005 Program
Borings MW-C-5, MW-C-6, MW-G1-7, MW-G1-8, MW-G1-9, MW-G1-10, MW-G1-10A, MW-G1-11A, MW-G1-11B, MW-G2-12, MW-G2-13, B301-B312, B217A, B218A
Monitoring Wells MW-C-5, MW-C-6, MW-G1-7, MW-G1-8, MW-G1-9, MW-G1-10, MW-G2-12, MW-G2-13
Piezometers PZ-G1-305, PZ-C-308, PZ-G2-309, PZ-G1-312

All 1996, ~~and~~ 2002, and 2005 soil borings that were not completed as monitoring wells or piezometers were plugged with cement-bentonite slurry from the bottom of the hole to the ground surface, using the pump-down method of placement. ~~and~~ All wells that have been plugged and abandoned (MW-3, ~~and~~ LSPZ208, MW-2, LSPZ100B, LSPZ104, LSPZ106B, LSPZ111, and LSPZ210B) were sealed in accordance with the requirements of the LDEQ/LDOTD document, "Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook." ~~All holes were plugged with cement-bentonite slurry from the bottom of the hole to the ground surface, using the pump-down method of placement.~~ The log for B16 notes that it was grouted with cement-bentonite, though no method is specified. It is assumed that similar methods were used in 1984 for B1-B15 and in 1992 for B17-B19, but no records are available.

§521.E. **Facility Subsurface Hydrology. Standards governing facility subsurface hydrology are contained in LAC 33:VII.715.A (Type I and II landfarms).**

§521.E.1. **The following information on subsurface hydrology is required for all Type I facilities and Type II landfills and surface impoundments:**

§521.E.1.a. **Delineation of the following information for the water table and all permeable zones from the ground surface to a depth of at least 30 feet below the base of excavation:**

- **i. areal extent beneath the facility;**
- **ii. thickness and depth of the permeable zones and fluctuations;**

Three water-bearing, permeable zones are identified from ground surface to a depth of at least 30 feet below the base of excavation (+152.50 feet MSL for Cells I-VII and ~~+~~140.0 feet MSL for Cell VIII). These include Zone C, the uppermost permeable, water-bearing stratum at the site, and Zones G1 and G2 that together comprise the uppermost aquifer. The areal extent and thickness of these units beneath the existing landfill (Cells I-VII) are illustrated on cross-sections in **Sheets JEI-3** through **JEI-14**, isopach maps in **Sheets JEI-15, JEI-16**, and **JEI-17** and an isometric profile in **Sheet JEI-18** in **Appendix Q**. The areal extent and thickness of these units beneath the Cell VIII area are illustrated on cross-sections in **Sheets JEI-S3** through **JEI-S10**; isopach maps in **Sheets JEI-S11, JEI-S12**, and **JEI-S13** and an isometric profile in **Sheet JEI-S14** in **Appendix S.**

Zone C is present across the south and southeastern portion of the site and outcrops in a southwest to northeast trend across the center of the ~~site~~ existing landfill (Cells I - VII) and the southeastern portion of the Cell VIII area (see **Sheet JEI-S11, Appendix S** ~~**Sheet JEI-15, Appendix Q**~~). Typically, Zone C is 10 to 30 feet thick. The greatest thicknesses up to 56 feet (at B-101) are found near the south property line. It generally becomes thinner toward the outcrop area. The majority of the outcrop area is now covered by closed Cells I, II, IV, V, and ~~Cell~~ VI. Zone C was partially to completely removed on the northeast side of the site by excavation of Cell VI. Portions of Zone C were also removed beneath Cells I, IV, and V, ~~and~~ the construction debris and trash area, and the south end of the borrow area. The outcrop area of Zone C on the south side of Cell VIII will be completely removed during construction (see **Sheet JEI-S51 in Appendix S).** At most locations Zone C is overlain by Zone B, a confining layer consisting predominately of silty clay, though at some locations Zone C outcrops at or near the ground surface. The upper portion of the Zone D confining layer (Zone D1) underlies Zone C. Groundwater elevations in the ~~five~~ monitoring/piezometer wells completed in Zone C range from ~~229~~ 214 to ~~239~~ 240 feet MSL. Historical fluctuations in groundwater elevations have typically been less than 3 feet (see **Table 3A,** ~~**Appendix M, Section —4**~~ **Appendix S**).

Zones G1 and G2 are moderately permeable water bearing strata that occur within ~~the~~ Zone D1. These are discontinuous lenses that consist predominantly of laminated silt, sandy or clayey silt, clayey sand, silty sand, sandy clay, or silty clay. G1 and G2 are not present at all locations beneath the facility as shown on isopach maps on **Sheets** ~~**JEI-16 and JEI-17 (Appendix Q)**~~ **JEI-S12** and

JEI-S13 (Appendix S).

Zone G1 is the uppermost of the two G Zones and is encountered at elevations ranging from about ~~185~~ 180 to 205 feet MSL. In the northeastern portion of the site, G1 is encountered at higher elevations from 205 feet MSL up to 215 feet MSL. In the south-central portion of the site, Zone G1 is encountered at elevations up to 209 feet MSL. This zone is typically ~~4~~ 2 to 10 feet thick. Zone G1 outcrops near the northeastern property boundary, having been truncated by the downward slope of the topography in this area or removed by the excavation of Cell VI. Zone G1 outcrops along the eastern wall and within the southern end of Cell VII where it has been partially removed. Zone G1 also outcrops on the western and southern sides of the Cell VIII area where the topography slopes lower than the bottom elevations of the stratum. It also outcrops in a small area in the central portion of the Cell VIII area. Immediately west of Cell VII, Zone G1 is absent ~~as~~ where surface elevations ~~in this area~~ are below the bottom elevations of the stratum. Zone G1 was not identified in soil borings of adequate surface elevation and depth in the east-central portion of the site, beneath a portion of Cell IV, and across most of the central portion of the Cell VIII area. Groundwater elevations in the ~~five~~ twelve monitoring/piezometer wells that have been completed in Zone G1 range from about ~~191~~ 171 to 234 feet MSL. Historical fluctuations in groundwater elevations have ranged from ~~less than 2.5~~ 2.7 feet in upgradient well LSPZ102/MW-G1-102 to over 8 feet in downgradient well LSPZ111. MW-G1-8, which was installed to replace LSPZ111 in March 2005, has been dry or nearly dry for thirteen gauging events since July 2005. Piezometer PZ-G1-312 in the Cell VIII area has been almost dry since installation in October 2005. (see **Table 3B, Appendix S ~~M, Section 4~~**). Groundwater elevations in LSPZ104B/MW-G1-104B ~~have shown~~ showed an average decrease of about 8 feet between 1997 and 2002-2003 measurements. This ~~is~~ was caused by the installation of engineering controls for the construction of Cell VII, Phase 1 that maintain the groundwater level about 2 feet below the bottom of the cell liner (see **§521.E.1.a.iv**).

Zone G2 is present in the northern and western portions of the ~~site~~ existing landfill (Cells I - VII) and has been identified in limited areas on the eastern and southeastern sides of the property. Zone G2 is also identified on the west side of the Cell VIII area. It is encountered typically from 185 to 165 feet MSL in the subsurface and ranges in thickness from about ~~5~~ 1 to 13 feet. Near the northeast corner of the Cell VIII area, Zone G1 is encountered at lower elevations from about 145 to 163 feet MSL. Groundwater elevations in Zone G2 range from ~~170~~ 156 to ~~230~~ 225 feet MSL. Historical fluctuations in groundwater elevations have typically ranged from 5 to 7 feet (see **Table 3C, Appendix S ~~M, Section 4~~**). However, groundwater elevations in LSPZ104 ~~have shown~~ showed an average decrease of about 11 feet between 1997 and 2002-2003 measurements. This may be related to excavation and construction of Cell VII to the south of this well in 2002 (see **§521.E.1.a.iv**).

iii. directions and rates of groundwater flow based on information obtained from piezometers and shown on potentiometric maps; and,

Potentiometric maps were developed for the uppermost permeable, water-bearing stratum (Zone C) and the uppermost aquifer (Zones G1 and G2) for all gauging events for which sufficient data was generated. These events include the November 1996 and January 1997 gauging events (Zone C

only), seven 1997 gauging events (April-October), five 2002 gauging events, and one 2003 gauging event. Potentiometric maps are shown on **Sheets JEI-20** through **JEI-60** in **Appendix Q**. Groundwater elevation data from twelve gauging events in 2005-2006 was used to construct potentiometric maps for permitting of Cell VIII. These maps are shown on drawings **JEI-S15** through **JEI-S50** in **Appendix S.** These maps indicate the following:

- Zone C - Flow is basically towards the north and northwest, towards the outcrop of Zone C (see **Sheets JEI-20** through **JEI-34, Appendix Q** and drawings **JEI-S15** through **JEI-S26** in **Appendix S**). Most of this outcrop is now covered by closed Cells ~~I-V and Cell VI~~ I, II, IV, V, and VI. Groundwater elevations range from ~~229~~ about 214 to ~~239~~ 240 feet MSL. ~~The~~ For the 2002 groundwater data, hydraulic gradient typically ranges from 0.03 to 0.08 ft/ft. The groundwater flow velocity was calculated to range from about 10 to 30 feet/year.

- Zone G1 - Flow is basically towards the north and northwest, ~~but~~ and is diverted westwards along the east side of Cell VII, Phase 1 (see **Sheets JEI-35** through **JEI-47, Appendix Q** and drawings **JEI-S27** through **JEI-S38** in **Appendix S**). Groundwater elevations generally range from ~~191~~ 171 to 234 feet MSL. Engineering controls installed for the construction of Cell VII, Phase 1 intercept flow from the east and southeast and maintain the groundwater level about two feet below the bottom of the cell liner. For the 2002 data, typical hydraulic gradients across the site for Zone G1 range from 0.04 to 0.05 ft/ft. The groundwater flow velocity was calculated to range from about 3 to 6 feet/year. For conservatism, a flow velocity of up to 10 feet/year should be assumed.

- Zone G2 - Flow is basically towards the north and northwest (**Sheets JEI-48** through **JEI-60, Appendix Q** and drawings **JEI-S39** through **JEI-S50** in **Appendix S**). For the 2002 groundwater data, typical hydraulic gradients for Zone G2 range from 0.02 to 0.03 ft/ft. Groundwater elevations generally range from ~~170~~ 156 to ~~230~~ 225 feet MSL. The groundwater flow velocity was calculated to range from about 0.6 to 1.0 feet/year. For conservatism, a flow velocity of up to 3 feet/year should be assumed for this zone.

- Vertical Flow – The vertical flow from Zone C to Zone G1 has a calculated rate ranging from about 0.1 to 0.3 foot/year, with an expected velocity of no greater than 0.5 foot/year. Pump tests conducted in July 2002 for three sets of "nested" piezometers installed in the C and G Zones indicate that measurable groundwater flow does not occur between these zones. Hydraulic gradients between the G1 and G2 Zones may be upwards or downwards, depending on the area of the facility. At the south end of the ~~site~~ existing landfill (Cells I - VII) (southwest corner area, primarily) where Zone G1 outcrops and has relatively low head and G2 is still highly confined, the vertical gradient is upwards with calculated flow velocities near 0.1 foot/year. Conversely, where Zone G2 is nearing its outcrop in the gully in the northwestern area of the site, its potentiometric levels drop below those of G1. Flow in this area is downwards, with calculated velocities of 0.1 to 0.5 foot/year. A pump test conducted in July 2002 for "nested" piezometers installed in two permeable layers of Zone G2 indicated no measurable vertical groundwater flow.

Results of the July 2002 pumps tests are included in **Appendix M, Section M-5**. Calculations of horizontal and vertical groundwater flow velocities are located in **Appendix M, Section M-6**. Groundwater flow is discussed in more detail in **Appendix R, Section R-2**.

iv. any change in groundwater flow direction anticipated to result from any facility activities.

Construction of the waste disposal cells has had some influence on the groundwater flow direction in Zones C, G1, and possibly G2. However, Zone G2 is generally encountered below the lowest elevation of the facility; therefore groundwater flow in Zone G2 has probably not been changed by construction and operation of the waste disposal cells. Groundwater flow in Zones G1 and possibly G2 may be influenced by the oxidation, polishing, and/or sedimentation ponds. Zone C is absent in the vicinity of these ponds and therefore will not be impacted by their operation. The impacts on the groundwater flow direction are discussed below.

- Closed Cells ~~I-V and Cell~~ I, II, IV, V, and VI cover most of the outcrop area of Zone C. The clay liners of these cells are barriers to groundwater flow, diverting the flow at the southeast corner of Cells I-IV and VI towards the north and west. The highest groundwater elevation has historically occurred in PZ-C-209, which is located near the outcrop of Zone C and the waste disposal cells. This mounding effect on the potentiometric surface at PZ-C-209 is apparently caused by the cell liners presenting a barrier to groundwater flow. Groundwater from the south is diverted to the west and outcrops immediately north of Cell V, flowing into a drainage ditch that follows the west side of Cell VII. Groundwater flow entering the east and southeast sides of the property is diverted northward along the east side of Cells I-IV and VI to exit the northeast corner of the site as groundwater or as an outcrop of surface water along a steep slope in this area of the property.

- The clay liners of Cells IV and VI intersect Zone G1 in the vicinities of B7 and B118, respectively. Zone G1 was partially to almost completely removed at these locations (see **Sheets JEI-5, JEI-13,** and **JEI-11** in **Appendix Q**). The clay liners serve as barriers, forcing groundwater to flow around the bases of the cells. The north-northwesterly flow in Zone G1 may be diverted to the east and west around the bases of Cells IV and VI.

- In Zone G1, the north-northwesterly groundwater flow is diverted westwards along the east side of Cell VII, Phase 1. Engineering controls installed for the construction of Cell VII, Phase 1 intercept flow from the east and southeast, and maintain the groundwater level about two feet below the bottom of the liner. Since construction of Cell VII, groundwater elevations in LSPZ104B/MW-G1-104B at the south end of Cell VII have decreased 5 to 10 feet, demonstrating the effectiveness of the engineering controls (see **Table 3B, Appendix S** ~~**M, Section 4**~~). This Application includes a report (Report of Geotechnical Analyses, Cell VII-Phase 1, Mundy Landfill, DeSoto Parish, Louisiana, December 2001) in **Appendix H, Section H-4** prepared by a state-licensed geotechnical engineer that describes the evaluation of the Cell VII, Phase 1 design and construction in relation to the existing subsurface and groundwater information.

- LSPZ104 ~~is~~ was screened across the depth interval where Zone G2 is expected to occur (see **Sheets JEI-7** and **JEI-9** in **Appendix Q** and drawings **JEI-S3** and **JEI-S7** in **Appendix S**). Groundwater elevations in LSPZ104 ~~have shown~~ showed an average decrease of about 11 feet between 1997 and 2002-2003 measurements (see **Table 3C, Appendix S** ~~**M, Section 4**~~). This may be related to excavation and construction of Cell VII to the south of this well in 2002. In 2005, LSPZ104 was plugged and abandoned and replaced with MW-G2-12. Groundwater elevations in MW-G2-12 are similar to those in LSPZ104.

- The oxidation and polishing ponds are located on the northwest side of the ~~facility~~ existing landfill (Cells I - VII). The bases of these ponds are installed in Zone G1 and are 7 to 15 feet above the top of Zone G2, as estimated from cross-sections, an isometric profile, and an isopach map for Zone G2 (**Sheets JEI-7, JEI-13, JEI-17,** and **JEI-18** in **Appendix Q**). The oxidation pond is lined with 4 feet of compacted clay placed under the Construction Quality Assurance Plan with a permeability of less than 1.0×10^{-7} cm/sec. If leakage from the oxidation pond occurs, it would impact local groundwater flow in Zone G1 by causing a mounding effect on the potentiometric surface. This would cause groundwater to flow radially away from the oxidation pond, disrupting local groundwater flow. More likely, the clay liner of the oxidation pond is a barrier to local groundwater flow in Zone G1 and diverts flow around the pond.

- The polishing ponds are tanks constructed of 12-inch thick concrete with waterstops, an interior coating, and an exterior waterproof membrane above a three-inch thick mud slab over compacted earth. These concrete ponds are likely a barrier to groundwater flow in Zone G1 and locally divert flow around the ponds. If leakage from the polishing ponds occurs, it may impact groundwater flow in Zone G1 and possibly Zone G2. These zones may be hydraulically connected by a layer of silty sandy clay and sandy silty clay identified on the west side of the polishing ponds (see borings B107 and B218 on **Sheet JEI-13** in **Appendix Q** and drawing **JEI-S10** in **Appendix S**).

- ~~The~~ Sedimentation Pond #1 ~~is~~ located on the north side of the ~~facility. This pond~~ existing landfill (Cells I - VII) receives only uncontaminated storm water that is de-silted before discharge from the site. Zone G1 appears to be present beneath the west side of ~~the~~ this sedimentation pond (~~**Sheet JEI-16**~~ **drawing JEI-S12** in **Appendix ~~Q~~ S**). Zone G2 appears present beneath ~~the~~ Sedimentation Pond #1 (~~**Sheet JEI-17**~~ drawing **JEI-S13** in **Appendix ~~Q~~ S**). The sedimentation pond is unlined and approximately 10 feet deep. Leakage from this pond may impact local groundwater flow in Zones G1 and G2 by causing a mounding effect on the potentiometric surface. ~~This would cause groundwater to flow radially away from the pond, disrupting local groundwater flow.~~ Potentiometric maps for Zone G1 indicate that the surface water elevation in Sedimentation Pond #1 influences the relatively high groundwater elevation in MW-G1-219, causing a westerly component of groundwater flow beneath the water treatment plant (drawings **JEI-S27** through **JEI-S38, Appendix S**). Potentiometric maps for Zone G2 indicate that the surface water elevation in Sedimentation Pond #1 does not influence the potentiometric surface for Zone G2 (drawings **JEI-S39** through **JEI-S50, Appendix S**).

- At least half of the proposed Cell VIII area is already man-configured as a soil borrow area for

the landfill. Excavation in the area has occurred in the past, as soils were utilized as daily cover and for other landfill activities. Parts of Zones C and G1 were partially excavated or maybe entirely removed.

- Construction of Cell VIII will remove part of Zone C from about 50 to 100 feet south of the cell (see **Sheet JEI-S51, Appendix S**). Zone C is not continuous across the expansion area and was documented only at boring B-308. Piezometer PZ-C-308, installed in that zone, showed no groundwater within the screened interval for the 12 months following its installation. The piezometer screen is located at the bottom of the stratum. Therefore, there is little or no groundwater flow in Zone C within the Cell VIII footprint.

- Construction of Cell VIII will remove Zone G1 from the foot print of the cell, except from the area surrounding B-307 and near the northwest and southwest corners (see **Sheet JEI-S52, Appendix S**). Zone G1 will be partially to completely removed from the area of B-307 except between elevations of about 179 to 183 feet MSL. Because the portion of Zone G1 remaining in the area of B-307 will be isolated, groundwater flow is not expected to occur here. Piezometer PZ-G1-312, installed in Zone G1 at the southwest corner of Cell VIII, showed no groundwater within the screened interval for 12 months following installation (see Table **3B, Appendix S**). Piezometer PZ-G1-305 contained groundwater within the screened interval for six of the 12 months following installation indicating that groundwater flow in Zone G1 on the northwest side of Cell VIII may be seasonal (see **Table 3B, Appendix S**). The piezometer screens are located at the bottom of their respective strata. Therefore, there is little or no groundwater flow in Zone G1 beneath Cell VIII.

- Zone G2 will be minimally affected by construction of Cell VIII, since excavation in that zone is anticipated only in a very limited area east of boring B-311, as shown on **Sheet JEI-S53, Appendix S**. Zone G2 will be removed only where a portion of the cell bottom topography reaches an elevation of 173 feet MSL. Only one foot of silt identified as Zone G2 appears to be present at the location of B-311. This one foot of silt is classified as CL material with only 6% sand content and a liquid limit of 48. It is questionable if Zone G2 is actually present in this area as its horizontal extent was extrapolated between B-311 and B-307 where it is not present.

- Sedimentation Ponds #2 and #3 are located/proposed on the northeast and northwest sides of Cell VIII, respectively. These unlined ponds receive only uncontaminated storm water for de-silting before discharge from the site. Sedimentation Pond #2 may affect groundwater flow in Zone G1 as this zone appears to be present at the base of and east of the pond (see **Sheet JEI-S10, Appendix S**). Infiltration from Sedimentation Pond #2 to Zone G1 may cause a mounding effect on the potentiometric surace and radial groundwater flow away from the pond. Sedimentation Pond #3 will not affect groundwater flow in Zone G1 because this zone is absent beneath this pond (**Sheets JEI-S10** and **JEI-S52, Appendix S**). Zone G2 appears present below the bottom elevations of both Sedimentation Ponds #2 and #3 (**Sheets JEI-S10** and **JEI-S53, Appendix S**). Leakage from these ponds could impact local groundwater flow in Zone G2 by causing a mounding effect on the potentiometric surface, however natural low-permeability clay layers are present between the bottom of the ponds and Zone G2, therefore no impact is expected.

§521.E.1.b. Delineation of the following, from all available information, for all recognized aquifers which have their upper surfaces within 200 feet of the ground surface:

- **i. areal extent;**
- **ii. thickness and depth to the upper surface;**
- **iii. any interconnection of aquifers; and**
- **iv. direction(s) and rate(s) of groundwater flow shown on potentiometric maps.**

The only recognized water-bearing strata identified within 200 feet of the ground surface are discussed above in **§521.E.1.a**. The drawings in **Appendix P, ~~and~~ Appendix Q,** <u>and **Appendix S**</u> describe the landfill construction and its relation to groundwater.

§521.E.2. The following information on subsurface hydrology is required for Type II landfarms. Delineation of the following information for the water table and all permeable zones from the ground surface to a depth of at least 30 feet below the zone of incorporation:

Mundy Landfill is a Type I/II/III facility, and is not a landfarm, so this regulation of the SWRR does not need to be addressed in this permit renewal application.

§521.F. **Facility Plans and Specifications. Standards governing facility plans and specifications are contained in LAC 33:VII.711.B (Type I and II landfills), LAC 33:VII.713.B (Type I and II surface impoundments), LAC 33:VII.715.B (Type I and II landfarms), LAC 33:717.E (Type I-A and II-A facilities), LAC 33:VII.721.A (Type III construction and demolition debris and woodwaste landfills), LAC 33:VII.723.A (Type III composting facilities), and LAC 33:VII.725.A (Type III separation facilities). Standards for groundwater monitoring are contained in LAC 33:VII.709.E (Type I and II facilities).**

§521.F.1. **Certification—The person who prepared the permit application must provide certification:**

The certification executed by the President of the DeSoto Parish Police Jury can be found after the Introduction and again in the Permit Application Form, Part I, which is in **Appendix A**. This Permit Renewal Application for the Mundy Landfill (P-0035) was originally prepared by Mr. Robert A. Hopkins, LA #24848. Mr. Hopkins signed and sealed all of his drawings and the previous submittals. The DPPJ replaced Mr. Hopkins' firm in May 2002, with the team of Jones Environmental, Inc. (Mr. Mark S. Moore, CPG) for geologic matters and Soil Testing Engineers, Inc. (Dr. Gordon P. Boutwell, PE) for engineering matters. These firms/persons made changes to the earlier submittals based on the "Notices of Deficiency" issued by the LDEQ and as part of the permitting of Cell VIII. Certifications by these ~~individuals~~ knowledgeable representatives of these firms are provided on pages 5 and 6 of this Permit Renewal Application immediately following the **Introduction**. ~~included in LDEQ's letters. presented in **Appendix A**. Certifications by those individuals as to the changes they made are contained in **Appendix A**.~~

§521.F.2. The following information on plans and specifications is required for Type I and II facilities:

§521.F.2.a. Detailed plan-view drawing(s) showing original contours, proposed elevations of the base of units prior to installation of the liner system, and boring locations;

Original contours for the facility are presented on drawing **DSW-GP-03**. A plan view of the estimated excavation performed to prepare Cells I-V for liner installation is provided in drawing **DSW-GP-25**. This estimate was prepared using all available information concerning cell construction from historical files provided by the DeSoto Parish Police Jury and the Louisiana Department of Environmental Quality. The topographic cross-sections from the original 1984 permit application (drawings **DSW-GP-11** through **DSW-GP-19B** provided the majority of the information. Drawing **DSW-GP-25** is not intended to indicate total site cell construction prior to beginning waste disposal operations. Cells were constructed and placed into operation individually as they were needed. The **DSW** series of drawing are presented in **Appendix N**. Cell VIII topography at the time of its permitting and design is illustrated on drawing **STE-S4** in **Appendix S.**

Sheet 19 and **Sheet 20** in **Appendix O** show the excavation performed for Cell VI. **Sheet 8** in **Appendix P** illustrates the subgrade (excavation) contours for Cell VII, Phase 1. Drawing **STE-S5** in **Appendix S** reveals the excavation contours proposed for Cell VIII.

Sheet STE-4 in **Appendix Q** shows soil boring and piezometer locations for all geotechnical work performed at Mundy Landfill ~~during its life~~, from the 1984 permit application through the 2002 subsurface investigation done to support this permit renewal application. Additional information concerning the 1996 borings is provided in **Appendix H**, and from the 2002 program in **Appendices M** and **R**. The boring and piezometer locations related to the permitting and design of Cell VIII are shown on drawing **STE-S3**, presented in **Appendix S**. Additional information from the 2005 subsurface investigation is also provided in **Appendix S.**

§521.F.2.b. Detailed drawings of slopes, levees, and other pertinent features;

Cells I - VII

Detailed drawings concerning design and construction features of Cells I - V, as provided in the 1984 permit application by Southern Services and Russell Engineering, and in the facility historical files kept by the DeSoto Parish Police Jury and the Louisiana Department of Environmental Quality, can be found on the drawings in **Appendix N** of this document. The drawings in **Appendix O** depict the design and construction features for Cell VI and its associated site improvements. The design and construction features for Cell VII, Phase 1 are contained in **Appendix P** and the permit renewal drawings are presented in **Appendix Q**. Cell VIII design drawings are provided in **Appendix S**.

Some features of the landfill detailed on drawings include:

- the pre-liner cell excavation (drawing **DSW-GP-25, Appendix N**), (**Sheets 19 and 20, Appendix O**), (**Sheet 8, Appendix P**), (drawing **STE-S5, Appendix S**);
- the leachate collection system (drawings **DSW-GP-07** and **DSW-GP-08, Appendix N**), (**Sheet 23** through **Sheet 25,Appendix O**), (**Sheet 11, Sheet 20, Sheet 22** and **Sheet 23, Appendix P**), (drawing **STE-S6, Appendix S**);
- the runon/runoff system of diversion and containment berms (drawing **DSW-GP-26, Appendix N**);
- the landfill gas collection and removal system (drawings **DSW-GP-20A** through **DSW-GP-20D, Appendix N**);
- perimeter access road (drawing **DSW-GP-21, Appendix N**), (**Sheet 5** through **Sheet 16, Appendix O**), (**Sheet 5** and **Sheet 6, Appendix P**), (drawing **STE-S8, Appendix S**);
- installation details of monitoring wells MW-1 through MW-4 (drawings **DSW-GW-10** through **DSW-GW-13, Appendix N**), monitoring well 4A and pre-2002 piezometers (1996 Subsurface Investigation Report in **Appendix H**), 2002 piezometers (**Appendix M**), 2005 groundwater monitoring wells and piezometers (**Appendix S**);
- landfill cross-sections taken through the disposal cells of the landfill which show areas of excavation and liner installation, areas of waste disposal, installation of the final cap, and slopes and embankments of the cells: (drawings **DSW-GP-11** through **DSW-GP-19B, Appendix N**). (**Sheet 29** through **Sheet 38, Appendix O**), (**Sheet 12** through **Sheet 18, Appendix P**), and (**Sheets JEI-1** through **JEI-14, Appendix Q**), (Drawing **STE-S7, Appendix S**). The subsurface profiles on drawings **DSW-GP-11** through **DSW-GP-19B** have been superceded by those on **Sheets JEI-3** through **JEI-8, JEI-10** and **JEI-14** ~~**JEI-14**~~ in **Appendix Q** and drawings **JEI-S7** through **JEI-S10** in **Appendix S**;
- final contours at closure of Cells I through VII, Phase 1 are presented on **Sheet STE-5** in **Appendix P** and final contours for Cell VIII are presented on drawing **STE-S8** in **Appendix S**;
- the leachate treatment plant expansion (**Sheet 29** through **Sheet 38, Appendix O**); and,
- the waste disposal control grid (**Sheet 40** and **Sheet 41, Appendix O**) and (**Sheet 26, Appendix P**).

§521.F.2.c. The type of material and its source for levee construction. Calculations shall be submitted demonstrating that an adequate volume of material is available for the required levee construction.

As described in **§711.B.3.a**, levees are constructed *"...in order to protect the facility against the 100-year flood so as to prevent the washout of solid waste."* As discussed in **§521.C.1.e**, this facility is not within the limits of such a floodplain. Levee construction has not been necessary at this landfill.

Embankments and liners that are utilized for the containment of wastewaters, such as leachate and contaminated storm runoff, and disposal cell final caps which inhibit the infiltration of surface runoff into the disposal cells, are constructed from native clay soils that have been determined by testing to be suitable for this use and capable of compaction to a hydraulic conductivity of less than 1×10^{-7} cm/sec, as is required by the SWRR. Such materials are available in abundance locally. For the first decade of landfill operations, the borrow areas were within the confines of the landfill. Borrow Areas B1 and B2 are shown on drawings **DSW-GP-05A** and **DSW-GP-05B** in **Appendix N**. The original topography plan (drawing **DSW-GP-03, Appendix N**) and the borrow area depth of excavation plan (drawing **DSW-GP-24, Appendix N**) illustrate the changes wrought on the site by excavation operations supporting the disposal operations. Since exhaustion of these two areas in 1991, the source for borrow materials has been a 14-acre area within the 160-acre parcel owned by the DeSoto Parish Police Jury which is west of Cell VII, within the Cell VIII expansion area. ~~contiguous to the western property line.~~ As shown in the general soils map of DeSoto Parish published by the U.S. Soil Conservation Service (drawing **DSW-GW-02A, Appendix N**), the majority of the 160-acre tract has a soil profile similar to that of the landfill site, from which soil boring test results in **Appendix H** and **Appendix M**, including horizontal and vertical hydraulic conductivity, demonstrate suitability of clay materials for use in liner and cap construction. Computations using this information and the soil borings taken at the landfill to demonstrate the availability of sufficient soils to meet the construction and disposal operations needs of the landfill are provided in **Appendix J**.

Cell VIII will occupy some 29 acres of the cited 160-acre tract. The borings made for Cell VIII in 2005 confirmed that the types of soils historically used for levee construction continued westward. The excavation of Cell VIII and Sedimentation Pond #3 will result in a surplus of clay for use in constructing levees. As discussed in the response to **§521.F.3.b**, the contiguous property owned by the DeSoto Parish Police Jury is available for use as a borrow source. The combination of the excavation soil and the available borrow source will provide a surplus of soil for construction, operation and closure of the Cell VIII expansion.

§521.F.3. The following information on plans and specifications is required for Type I, II, and III landfills:

§521.F.3.a. Approximate dimensions of daily fill and cover;

Drawing **DSW-GP-06** depicts the dimensions of fill and cover during the early years of disposal operations, when soils were exclusively used for daily cover. As shown, waste was deposited and compacted in lifts approximately two feet thick. At the end of each day's operations, six inches of borrowed soil materials were placed over all deposited waste materials to preclude to the greatest extent possible the infiltration of rainfall, runoff, and disease vectors (insects, rats, birds, etc.), and to prevent windblown litter. The next day's operations repeated the procedure, and the thickness of the lift increased to a maximum of ten feet, at which time disposal operations were moved to the base of the lift and another lift was begun. When the area of active disposal operations was raised to a uniform height, interim cover was installed, and disposal operations either proceeded upon the completed lifts, raising the height of disposal another ten feet, or was moved to another area in the disposal cell.

In 1988, Permit Modification No. 4, allowing the use of a portable daily synthetic cover (PSDC) was approved by the LDEQ. The PSDC consisted of a series of waterproof panels applied at in a shingle-like manner at the end of each day's disposal operations, to conform to **§711.B.2.c**. In November 2000, the LDEQ approved Permit Modification No. 28 for the use of alternate daily cover (ADC) materials, which are currently used at the landfill in addition to soil cover. The Alternate Daily Cover Operational Plan, which includes descriptions of the approved ADC materials, is included in **Appendix C**. ADC generally consists of a mixture of cellulose fiber and plaster which is mixed with water and sprayed onto the waste materials at the coverage rate recommended by the supplier or manufacturer. A minimum thickness of ¼" to ½" is applied to the waste materials. The ADC material sets up in a short period of time to a crusty surface that repels attempts by birds, animals, and insects to infiltrate the disposal cell, and prevents erosion of the underlying materials.

Daily cover soils obtained from on-site borrow areas are used when supplies of ADC are limited, when the application equipment is unavailable due to repairs or use elsewhere, and at times when the ADC product is not recommended by the manufacturer for use. In addition, ADC is limited to use five days a week (typically Monday through Friday). On the sixth day (typically Saturday), six inches of soil are placed on the week's disposed wastes and compacted in place.

Daily cover materials, whether synthetic or soils, are used in compliance with **§711.B.2**. Soils, placed in six-inch layers, or ADC are used to control vector breeding and animal attraction; reduce leachate generation, fire hazards, and noxious odors; minimize blown paper; and improve all-weather accessibility.

§521.F.3.b. The type of cover material and its source for daily, interim, and final cover. Calculations shall be submitted demonstrating that an adequate volume of material is available for daily, interim, and final cover.

Native clay materials are used for all liner, embankment, and cover materials at Mundy Landfill. Since its inception, the facility has utilized on-site borrow areas as sources for all soil material requirements. These materials were tested in 1984 during the original permit process and design of the facility, and found to exceed the requirements of the SWRR concerning engineering viability of the design and permeability of the liners. The permit assistance document in the 1984 permit application shows several tests of on-site clay materials performed by the geotechnical engineer which far exceed the permeability standard and regression analyses, and go on to demonstrate the extrapolation of the test results to include materials throughout the site. Permeability tests have been performed on field-compacted samples taken from the recompacted clay liner during CQA activities and consistently achieved the regulatory standard of 1×10^{-7} cm/sec or less. The most recent such tests are included in the Certification Report for Cell VII-Phase 1, submitted to the LDEQ in October 2002. The suitability of these materials for liner and cover construction was again proven by a leachate generation analysis performed by the applicant in 1990 at the request of the LDEQ. The Hydrologic Evaluation of Landfill Performance (HELP) computer model and physical measurements of the leachate generated by the landfill showed that very negligible amounts of leachate were being conveyed to the oxidation pond for treatment from closed and capped disposal cells, demonstrating that the clay materials and installation methods used in the cap construction practically eliminate the entrance of surface runoff and groundwater into the closed cells.

Tests performed in 1996 - 2005 ~~2002 as part of the subsurface investigation for this application and the preliminary work for the permitting and design for Cell VII~~ confirm the original findings from 1984. Soil boring logs in **Appendix H**, ~~and~~ **Appendix M**, and **Appendix S** include the results of testing to determine the permeability of various materials found on the property. According to the geotechnical engineer, tests on the deeper clay materials which are used in liner and cell embankment construction regularly exhibit a constructed permeability on the order of 2.0×10^{-8} cm/sec, far in excess of the 1×10^{-7} cm/sec required by **§711.B.5.d.(ii)**.

~~Since exhausting the economical borrow sources on-site, the DeSoto Parish Police Jury (DPPJ), owner of the site and the permit and operator of the facility, has been performing borrow operations on a 160-acre tract of land owned by the DPPJ which is contiguous to the western property line west of the original landfill site tract. Information published by the Soil Conservation Service (SCS) for DeSoto Parish indicates that the native clay materials previously and currently used for liner, cap, and daily cover materials from the on-site borrow areas are also found within the majority of the adjacent tract, providing a significant source of appropriate materials for liner and levee construction.~~

DeSoto Parish has excavated required soil from on-site borrow areas. Information collected from borings and the Soil Conservation Services (SCS) for DeSoto Parish indicates that the native clay materials utilized for liner, levees and covers exist throughout the majority of the property. Drawing **DSW-GW-02A** is a General Soil Map for DeSoto Parish published by the SCS. It includes an enlarged inset of the vicinity of Mundy Landfill which shows that Soils Type 8, the Sacul-Kirvin-

Keithville soils which are found on the landfill property, extend throughout more than ninety percent of the 160-acre tract. The soil borings taken on the landfill property, ~~if extrapolated to~~ including the 2005 borings for Cell VIII in the 160-acre site, indicate sufficient materials are available for all future construction and operations needs, as shown below and in the computations in **Appendix J** and **Appendix S**.

Required clay materials for the capping of Cells I - VII and Cell VIII, the re-finished oxidation pond liner in the expanded treatment plant, the compacted clay liner for Cells I-VI, VII-Phase 1, Cell VIII, daily cover for disposal operations for Cells I-VII and Cell VIII during the landfill's entire service life, and interim cover for Cells I-VII and Cell VIII during the landfill's entire service life, are estimated as follows (see borrow computations in **Appendix J** and **Appendix S**).

Original Area			**Cell VIII Area**			
Final caps	=	809,800 CY	Cell VIII Liner	=	147,000	CY
Oxidation pond liner	=	2,540 CY	Daily Cover	=	196,500	CY*
Cell I-VI liner	=	356,535 CY	Interim Cover	=	147,400	CY
Cell VII/Ph. 1 liner	=	28,072 CY	Final Cover	=	98,000	CY
Daily cover	=	591,582 CY*				
Interim cover	=	575,318 CY	Subtotal Required Soil	=	588,900	CY
Subtotal Required Soil	=	2,363,847 CY				

TOTAL REQUIRED SOIL FOR CELLS I - VIII = 2,952,747 CY

A conservative estimate of the available area for borrow operations from the 160-acre site is 50% of the site, or 80 acres, at an average depth of at least thirty feet, as evidenced from borrow operations performed to date at the northeast corner of that property. This computes to a very conservative estimate of 2,400 acre-feet or 3,872,000 CY of available materials, or over 25% more clay material than required ~~1-1/2 times the quantity of clay necessary~~. This does not account for the soil that will be excavated for the construction of Cell VIII.

* Native clay material used for daily cover is supplemented by the use of alternate daily cover (ADC) material that was approved by the LDEQ in 1990. As described above in **§521.F.3.a**, the ADC generally consists of a mixture of cellulose fiber and plaster that is mixed with water and applied at the end of the day to the disposed waste materials. ADC is delivered to the landfill in sealed plastic or other packaging from the manufacturers or suppliers listed in the Alternate Daily Cover Operations Plan in **Appendix C**.

§521.F.4. The following information on plans and specifications for the prevention of groundwater contamination must be submitted for Type I and II facilities:

§521.F.4.a. Representative cross-sections and geologic cross-sections showing original and final grades, approximate dimensions of daily fill and cover, drainage, the water table, groundwater conditions, the location and type of liner, and other pertinent information;

Cells I -VII

Cross-sections through the original site are provided in **Appendices N, O, P,** and **Q**. Drawings **DSW-GP-11** through **DSW-GP-19B** are cross-sections through Cells I-V and the CD & T Area. **Sheet 42** through **Sheet 51** in **Appendix O** are cross-sections through Cell VI and the treatment plant. These engineering drawings show the original ground surface, the subsurface profile and water table (as interpolated from all soil borings), the cell and oxidation pond excavation grades, the compacted clay liner installations for the cells and the oxidation pond, and the finished cap elevations for the six putrescible waste disposal cells and the non-putrescible disposal area. These sections update similar cross-sections in the 1984 permit application to include modifications to the site utilization and the ceiling elevations for waste disposal that have been implemented since 1984. The geological cross-sections in **Appendix O** are part of the 1996 subsurface investigation report by Maxim Technologies, Inc., and include superimpositions of the soil boring logs on the cross-sections to aid in evaluation of the subterranean characteristics of the property. Design drawings for Cell VII are included in **Appendix P**. The stratifications shown on drawings **DSW-GP-12A** through **DSW-PG-19B** in **Appendix N** and **Sheet 42** through **Sheet 51** in **Appendix O** have been superceded by **Sheets JEI-3** through **JEI-8, JEI-10,** and **JEI-14** in **Appendix Q** and **Sheets JEI-S7** through **JEI-S10** in **Appendix S**.

Cell VIII Expansion Area

As mentioned in previous responses (e.g., **§521.D.1.b**), twelve new borings were made in the Cell VIII Expansion Area. The 2002 east-west Soil Profiles, **Sheets JEI-09**, and **JEI-11** through **JEI-13** in **Appendix Q** were extended westward using the new boring data. New **Sheets JEI-S7** through **JEI-S10** in **Appendix S** were created to illustrate the extensions of the east-west soil profiles. Three new north-south profiles were also made along transects of the new borings; these are given as **Sheets JEI-S4** through **JEI-S6** in **Appendix S**. These soil profiles illustrate the soil conditions, original grades, groundwater conditions, and location of liner. A conceptual cross section of Cell VIII illustrating excavation, liner and final grades is presented as drawing **STE-S7** in **Appendix S**. A new isometric soil profile, **Sheet JEI-S14** of **Appendix S**, has been prepared for the Cell VIII area. Its easternmost plane is also the westernmost plane from the isometric soil profile of the original site (**Sheet JEI-18** in **Appendix Q**). This ensures continuity of stratigraphic interpretation. Design drawings for Cell VIII are included in **Appendix S**.

§521.F.4.b. A description of the liner system, which shall include: calculations of anticipated leachate volumes, rationale for particular designs of such systems, and drawings;

CELLS I - V:

As described in the 1984 permit application by Southern Services and Russell Engineering, a three feet thick liner of compacted clay soils native to the site was placed on the bottom and sides of each non-Subtitle D putrescible waste disposal cell (Cells I - V). This liner design met the standards and regulations current at the time each liner was approved by the Louisiana Department of Environmental Quality (LDEQ). Those regulations have since been updated by the promulgation of the Subtitle D design standards established by the U.S. Environmental Protection Agency (USEPA) and approved by the LDEQ in 1995, and now require a composite liner of compacted clay and a synthetic membrane. The membrane was not required in any of the cell liners for Waste Disposal Cells I through V. Cells I - V were closed at the end of 1997 because of the lack of a composite liner.

The liners were installed at elevations compatible with the water table elevations determined from the soil borings done in the initial field investigation at this site in 1984, copies of which are provided in **Appendix G**. Soils were tested by Soils Testing Engineers, Inc. (STE) of Baton Rouge, Louisiana, and pronounced suitable for compaction to a permeability less than 1.0×10^{-7} cm/sec, as required by the SWRR. STE also provided the design and construction parameters used for liner installation, and Quality Assurance/Quality Control (QA/QC) guidelines, as required by **§711.B.5.b**. Maximum slopes of the liner on cell sides were set at 3 horizontal to 1 vertical. Cell bottoms were graded at a minimum of 0.8 percent toward elements of the leachate collection system to facilitate interception of the leachate. Drawing **DSW-GP-08** in **Appendix N** depicts the liner and its relationship to the leachate piping. The 11/19/84 Permit Assistance Report by STE concerning liner testing, design, construction, and QA/QC is located in **Appendix G**, with the soil testing results from their research. The 1996 subsurface investigation report in **Appendix H** includes re-analyses of the soils, and those test results have been used to re-evaluate subgrade bearing capacity, settlement, hydrostatic heave, slope stability, and desiccation-resistance, to account for the increase in permitted height of waste disposal from the original permitted height to the increased height approved in Permit Modification 25. Those engineering computations are included in **Appendix J**, and demonstrate that the increased height of disposal has not adversely affected the cell liners or subgrades.

Two leachate generation analyses have been performed for Cells I - V. The first, in 1990, was done in response to LDEQ concerns about the size and treatment capability of the single oxidation pond which formerly treated all site wastewaters, including leachate and contaminated stormwater. STE did this analysis, which consisted of field measurement of leachate over a period of one and a half months and a Hydrologic Evaluation of Landfill Performance (HELP) computer model of the facility. The HELP model was created by the U.S. Army Corps of Engineers and was recommended by the USEPA and the LDEQ. The 1990 analysis showed a leachate generation of approximately ten gallons per day (GPD), which validated the cell liner design.

The second HELP model was performed in 1996 as support for the Permit Renewal Application. This second model did not include field measurement of leachate generation, but did take into account the expansion of the landfill disposal areas, both horizontally and vertically, since 1990. Since the first HELP model was run, permit modifications have raised the maximum ceiling elevation for waste disposal to 300 feet Mean Sea Level. The second model predicted leachate generation of only 125 GPD, which is comparable to the first model when taking into account the expansions. These low predicted flow rates of leachate support the design of the liners according to the standards provided in the older edition of the SWRR.

Copies of the results from the two leachate generation HELP models are provided in **Appendix J**.

Each cell has two pipe penetrations of the clay liner, one for leachate and one for contaminated stormwater. At the time of design and permitting, information concerning leachate treatment was being developed, and it was considered advisable to install separate sewer systems in case of future separation requirements. Seepage through the liners along the pipes is prevented by the installation of concrete waterstops, around which clay materials are compacted.

CELL VI:

As shown on the drawings in **Appendix O**, a composite liner consisting of three feet of compacted clay soils native to the site, topped by a 60-mil high density polyethylene (HDPE) synthetic geomembrane, was placed on the bottom and sides of Cell VI. The clay thickness was increased to four feet below the leachate collection piping, to provide additional protection below concentrated leachate flow paths. This liner design meets or exceeds the current SWRR and the Subtitle D guidelines.

The liner was installed at elevations compatible with the water table elevations determined from the 1996 subsurface investigation soil borings, copies of which are provided in **Appendix H**. The water table, as determined from those boring logs, is shown on the cross-sections on **Sheet 42** through **Sheet 51** in **Appendix O**. Soils were tested by Maxim Technologies/ Southwestern Laboratories (MTSL), Shreveport, Louisiana, and pronounced suitable for compaction to a permeability of 2.0 x 10^{-8} cm/sec, far less than the permeability of 1.0 x 10^{-7} cm/sec required by the SWRR. MTSL also provided the design and construction parameters used for clay and HDPE liner installation and Quality Assurance/Quality Control (QA/QC) specifications, and performed the QA/QC monitoring, as required by **§711.B.5.b**. Maximum slopes of the liner on cell sides were set at 3 horizontal to 1 vertical. Cell bottoms were graded at a minimum of 2.0 percent toward elements of the leachate collection system to facilitate interception of the leachate. **Sheet 21**, **Sheet 24**, and **Sheet 25** in **Appendix O** include details depicting the liner and its relationship to the leachate piping. The 1996 subsurface investigation report in **Appendix H** includes analyses of the soils, and those test results were used to evaluate subgrade bearing capacity, settlement, hydrostatic heave, slope stability, and desiccation-resistance. Those engineering computations are included in **Appendix J**, and demonstrate the adequacy of the subgrade and the liner design.

Two leachate generation analyses have been performed for Cell VI. The first, in December, 1996, was done to meet the SWRR requirements concerning demonstration of the adequacy of the liner

design. Aillet, Fenner, Jolly, and McClelland, Inc. (AFJM), Shreveport, Louisiana performed this analysis, which consisted of a HELP Model analysis. This analysis showed a leachate generation of approximately 16 gallons per year (due to the composite final cap), which validated the cell liner design.

The second HELP model was performed by AFJM in July, 1997 in accordance with LDEQ permit application review comment to model the leachate piping and treatment plant using a worst case scenario which maximized the generation of leachate. The second model assumed the largest possible surface area for disposed wastes, with daily and interim cover over 5.50 acres, and an active disposal area of 1.75 acres with only daily cover. The HELP program predicted leachate generation of only 660 GPD and potential leakage through the composite liner of 0.05 gallons per day, supporting the design of the liners.

Copies of the results from the two leachate generation HELP Model analyses are provided in **Appendix J**.

CELL VII:

Drawings presented as **Appendix P** illustrate the design and construction of Waste Disposal Cell VII, Phase 1, including plans, details, and sections concerning the two cell liner designs. In the areas outside the limits of closed disposal cells, which comprise approximately half of the area of the new cell, the liner consists of a standard composite liner design of three feet of compacted clay with a permeability less than or equal to 10^{-7} cm/sec, a 60-mil high density polyethylene (HDPE) liner, a cushion geotextile, and a protective covering of either sand or soil. Sand is placed overtop the liner on the floor of the cell to also serve as a filter blanket, while compacted soil is placed on the cell side slopes. This design conforms to the requirements of the Solid Waste Rules and Regulations and the landfill permit, except that the compacted clay liner is thickened to four feet below the leachate collection piping to provide additional protection of the groundwater. The design described above was approved by the LDEQ in 1997 for the construction of Waste Disposal Cell VI, which was put into operation in 1998.

The compacted clay component of the liner is thicker than required in two areas. Beneath the leachate collection trench and piping, where leachate can be expected to concentrate, the compacted clay is four feet thick to provide additional protection against leachate leakage. At the toe of the slope at the east side of this area of the construction, the clay liner is also thicker to provide a better barrier against groundwater infiltration into the cell. The clay liner penetrates a subterranean permeable sand zone. Even though the clay liner is generally in the direction of groundwater flow and will divert the groundwater the few degrees necessary to get it to pass around the cell liner, the liner design was strengthened to provide more protection. Groundwater dewatering during construction of the cell liner will be addressed with the installation of a french drain/pressure relief system behind the liner and in the permeable zone. This system will intercept groundwater before it enters the excavation and discharge it to a sump downstream of the project area. Upon completion of the cell liner, the pipe can be capped and its use can be discontinued. Details of the east side pressure relief system are given on **Sheet 25** and **Sheet 30** presented in **Appendix P**.

The eastern part of Cell VII, Phase 1 is within the boundaries of closed non-Subtitle D Waste Disposal Cells II - IV. The cell liner overlies the closure caps of those three cells, which ceased accepting waste disposal at the end of 1997. The initial phase of the liner design was the verification of the thickness of the closure caps. This was performed in 2001, resulting in a determination that the caps consist of at least 30 inches of compacted clay, exceeding the landfill permit requirement of 24 inches. The liner in the eastern part of Cell VII, Phase 1 is an alternate design which starts with the addition of a geocomposite liner (Tenax Tendrain Triplanar or equivalent) to promote methane gas migration overlain by at least 12 inches of compacted clay having a permeability (hydraulic conductivity) not more than 1×10^{-7} cm/sec. On top of that is placed a geosynthetic clay liner (GCL), which is topped with a 60-mil HDPE geomembrane, a cushion geotextile, and a soil protective layer. This alternate design has been approved by the LDEQ for and successfully utilized at the Tangipahoa Sanitary Landfill and other facilities. An exemption from the LDEQ for this alternate liner design is required. In accordance with **§307.B.2.a**, the alternate liner would alleviate an unreasonable economic burden on the people of DeSoto Parish. The proposed alternate liner will replace two of the three feet of clay liner with a geosynthetic clay liner. The cost of hauling, constructing and conformance testing these two feet of clay would be very expensive as compared to the cost of purchasing and installing the geosynthetic layer. The alternate liner yields a gain of approximately two feet of airspace with the replacement of two feet of clay with a geosynthetic clay liner. This means more volume and revenue for the already developed area without deeper excavations or higher final elevations. Given the low tax base of the parish and the lack of industry, compliance with the regulations without the alternative would be a tremendous economic burden.

According to the June 2002 engineering calculations, the proposed alternate liner has a transmission rate of 50- to 60-percent of the standard liner. HELP Model calculations support the determination that the alternate liner provides a lower transmission rate than the standard liner. The proposed liner is more flexible than the standard liner and is technologically better for overlying an existing waste mass where differential settlement is probable. The more flexible alternate liner is less susceptible to damage from bending caused by differential settlement. The June 2002 engineering calculations and the flexibility of the liner therefore demonstrate that the proposed alternate liner system is actually superior in its protection of the public and the environment. Slope stability calculations indicate that the configuration of the slopes with the alternate liner are stable. Therefore, in accordance with **§307.B.2.b**, the proposed activity (alternate liner) will (1) have no significant adverse impact on the public health, safety, welfare, or the environment; and, (2) will be consistent with the provisions of the act (in this case, groundwater protection). Actually the liner offers superior protection as compared with the standard liner. All correspondence for the exemption, including the request, the approval, and the proofs of publication of public notice of the exemption, were included in Appendix A of Major Modification No. 31. Engineering computations demonstrating the equivalency of the alternate liner as compared to the standard composite liner are presented in **Appendix J**.

Soils testing in 1997 for the construction of Waste Disposal Cell VI indicated that the clay at the borrow source is suitable for compaction to a permeability of 2.0×10^{-8} cm/sec, far less than the permeability of 1.0×10^{-7} cm/sec required by **§711.B.5.d.ii**. Construction testing determined that

all tests exceeded that requirement, and several even bettered the soils testing results. The same borrow source was will be used for the Cell VII, Phase 1 liner, and similar construction materials testing was will be performed, in accordance with Section 02222 of "Specifications," entitled Clay Liner Quality Assurance/Quality Control, located in **Appendix K**. Section 02222 contains the same clay liner specification used for the construction of Cell VI.

Analysis of Cell VII, Phase 1 with the HELP Model has not been performed, but comparison of Cell VI with Cell VII, Phase 1 justifies the assumption of similar leachate generation. Both cells are approximately eight acres in size and have cell bottom elevations of approximately 190 feet MSL and ceiling elevations of 300 feet MSL. Both have identical cell bottom liners and the model would assume identical closure caps and cap side slopes. Half of Cell VII, Phase 1 is lined with over three feet of compacted clay (30-inch closure cap on underlying close disposal cells, and a minimum of one foot of added clay liner), a geosynthetic clay liner, and 60-mil HDPE, far exceeding the liner installed for Cell VI. Half of the Cell VII, Phase 1 liner is on slopes of 3.5 horizontal to 1 vertical, which is steeper than the Cell VI liner, and will reduce the possibility of leakage through the liner in that area. The alternate liner for this area is at least hydraulically equivalent to the standard LDEQ composite liner, as demonstrated in the calculations presented in **Appendix J**.

Cell VIII

Drawings presented in **Appendix S** illustrate the design and construction of Cell VIII, including plans, details, and sections concerning pertinent design information. The Cell VIII liner consists of a composite liner design of three feet of compacted clay with a permeability less than or equal to 10^{-7} cm/sec, a geosynthetic clay liner (GCL), a 60-mil HDPE liner, and a protective covering of either sand (cell floor) or soil (side slopes). A drainage geocomposite media (a geonet with geotextile on both sides) will be placed on the side slopes of Cell VIII. Protective material (for example, buffer layer soil) will be placed on top of the drainage geocomposite media on the side slopes before placement of waste. Sand will be placed overtop the liner on the floor of the cell to also serve as a filter blanket, while soil is placed on the cell side slopes. This design conforms to the requirements of the SWRR and the landfill permit.

Soils testing in 2003 for the construction of Waste Disposal Cell VII and testing of samples from the 2005 soil borings in the Cell VIII expansion area indicate the clay is suitable for compaction to a permeability of 2.0×10^{-8} cm/sec, far less than the permeability of 1.0×10^{-7} cm/sec required by **§711.B.5.d.ii**. Construction testing of Cell VII determined that all tests exceeded that requirement, and several even bettered the soils testing results. The same material will be used for the Cell VIII liner, and similar construction materials testing will be performed, in accordance with Section 02222 of "Specifications," entitled Clay Liner Quality Assurance/Quality Control, located in **Appendix K**. Section 02222 contains the same clay liner specification used for the construction of Cells VI and VII.

Analysis of Cell VIII with the HELP Model has been performed. Leachate generation rates for the worst case scenario (an open, shallow cell) and a closed condition were determined. The results are presented in **Appendix S.** The leachate production rate will continue to be low.

TREATMENT PLANT:

The oxidation pond originally had a liner constructed similarly to that for Cells I - V. It consisted of three feet of native clay materials selected, installed, compacted, and tested to ensure a hydraulic conductivity less than 1×10^{-7} cm/sec. The expansion of the treatment plant in 1997 included maintenance work on the pond which increased the compacted clay liner thickness to four feet, while de-silting the pond and installing plant improvements.

The clay liner was installed at elevations compatible with the water table elevations determined from the 1996 subsurface investigation soil borings, copies of which are provided in **Appendix H**. The water table, as determined from those boring logs, is shown on the cross-sections on **Sheet 42** through **Sheet 51** in **Appendix O**. Soils were tested by MTSL and determined to be suitable for compaction to a permeability of 2.0×10^{-8} cm/sec, far less than the permeability of 1.0×10^{-7} cm/sec required by the SWRR. MTSL also provided the design and construction parameters used for compacted clay liner installation and QA/QC specifications, and performed the QA/QC monitoring, as required by **§711.B.5.b**. Maximum slopes of the liner on pond sides were set at 3 horizontal to 1 vertical.

§521.F.4.c. A description of the leachate collection and removal system, which shall include calculations of anticipated leachate volumes, rationale for particular designs of such systems, and drawings.

As required by **§711.B.4**, a system for the control, collection, treatment, and removal of leachate and contaminated runoff generated by the landfill is in operation in all putrescible waste disposal cells. Layout of the piping system for Cells I through VI is illustrated on drawing **DSW-GP-07** in **Appendix N**, ~~and~~ **Sheet 11** in **Appendix P** (for Cell VII, Phase 1), and drawing **STE-S6** for Cell VIII. Details of the leachate collection piping, as described below, are provided on drawing **DSW-GP-08** in **Appendix N** (for Cells I - V); **Sheet 23** through **Sheet 25** in **Appendix O** (for Cell VI); ~~and,~~ **Sheet 21**, **Sheet 24** and **Sheet 25** in **Appendix P** (for Cell VII, Phase 1); and, drawing **STE-S10** in **Appendix S** (for Cell VIII). This system ensures that all wastewaters produced are controlled and treated in conformance to the requirements of the LPDES permit ~~state and federal discharge permits issued to Mundy Landfill~~, prior to their release from the site.

As shown in the flow chart depicted in drawing **JEI-WP2-03** in **Appendix E**, there are four types of waste waters being treated by the landfill: leachate, contaminated stormwater, wastewater from the equipment wash pad, and silt-laden clean runoff. Leachate is generated within a disposal cell by moisture within deposited waste and precipitation percolating through the cover materials and down through the disposed wastes. It is most polluted from closed cells, due to long time exposure to disposed wastes and a lack of any dilution. As is shown below, leachate generation is minimized at Mundy Landfill. Contaminated stormwater is precipitation that has come in contact with waste materials. The pollution of this moisture is assumed to be much lower than leachate, due to faster flows, less exposure to the wastes, and a significant amount of dilution. Soaps and dirty water are the products of equipment washing operations at the wash pad. These flows also have lower contaminant levels. Storm runoff across certain newly constructed cell components may become silt-laden, and is directed to sedimentation ponds for sedimentation purposes.

Control of leachate and contaminated stormwater is provided by the installation of a cell bottom liner, meeting permeability requirements, on the bottom and sides of all putrescible waste disposal cells (see preceding section); by the installation of daily, interim, and final covers, which reduce the amount of leachate generated by preventing runoff from entering the cells (see **§521.F.3**); by the use of diversion berms around the active disposal operations areas, which minimize the amount of storm surface runoff entering the disposal areas to be contaminated by contact with disposed waste materials; and, by containment berms, which control the stormwater which does enter the active disposal areas and divert it to the treatment plant. Wash pad water is contained within the wash pad by its grade toward the curb, which in turn channels flow into a drainage inlet which is connected to the treatment plant by storm sewer.

Collection of leachate and contaminated stormwater is achieved by a piping system which is generally in compliance with **§711.B.4.b.vii**, though the systems for the older disposal cells (Cells I - V), built under the previous regulations, do not meet all the current standards. As discussed in the SWRR, leachate is not managed by allowing leachate to be absorbed into the disposed wastes, but is removed from the cell for treatment. To the greatest extent possible, leachate generation is

minimized by the prevention of moisture entering the closed cells. Cell liners divert groundwater around the cell, and final caps force surface sheet flow to runoff, both with a minimum of infiltration. The cell liners also prevent the migration of leachate beyond the cell boundaries by construction which ensures impermeability by the leachate. Daily and interim covers over deposited wastes in active cells also help reduce water entry into the cell, though not to the same extent as the final caps. Leachate which does form inside the cell is channeled by grading of the liner to interception by the piping system, which removes it from the cell. Leachate is diverted to the treatment plant, which treats the polluted water by the processes of detention, settlement, evaporation, biological treatment and surface aeration. Effluent from the plant is monitored to ensure compliance with the LPDES ~~state and federal water discharge~~ permit issued to the facility. Samples are taken and tested when discharges are made from the plant, the results consistently demonstrating compliance with the water discharge permit effluent standards since the landfill has been in operation.

All leachate collection piping is located above the cell bottom liner. For Cells I - V, a twelve-inch square trench was dug in the surface of the compacted clay liner and filled with crushed stone, in the middle of which was the six-inch or eight-inch perforated polyvinyl chloride (PVC) pipe. The trench protects the piping by allowing the waste materials to span the trench, reducing the weight on the pipe. The trench also ensures interception of the leachate. Pipes are spaced on intervals of approximately 100 feet perpendicular to the flow path of leachate over the minimum 2% slope liner, and have a minimum gradient of 1%.

In Cell VI, ~~and~~ Cell VII, Phase 1, and Cell VIII swales are graded into the top of the cell liner. ~~Under the leachate collection swales (trenches), the clay component of the composite liner was increased to a thickness of four feet for added environmental protection.~~ The swales serve the same purpose as the trenches described above, reducing the weight of waste materials on the pipes for their protection, and ensuring leachate flow interception. After the HDPE top liner is placed, the installation of the geotextile filter fabric overlying the HDPE top liner is extended through the swales, and then the swales are filled with crushed stone which enveloped the pipes. Additional filter fabric is then laid over the top of the crushed stone for the full length of the trench and sewn to the filter fabric on the HDPE liner. Cleanouts are spaced as needed to allow maintenance with the available equipment. The flow path of leachate over the top of the liner is at a minimum slope of two percent and does not exceed 100 feet without interception by a collection swale.

The original leachate trunk sewer for Waste Disposal Cells I - V, several hundred feet of jointed PVC constructed in an unlined area of the landfill and over 16 years old, has been replaced by a short section (300 feet) of this new trunk sewer from the Cell VII leachate lift station to the treatment plant. The remainder of the existing trunk sewer is removed, with the collection piping from Cells I - IV connected directly into the collection piping for Cell VII, Phase 1 at the locations of the previous connections (manholes) to the trunk sewer. All of the piping is therefore within a lined area, providing much improved protection to the environment. The only exceptions to this are the short section of new trunk sewer described above, and the existing PVC collection pipe from Cell V, which remains connected to the southern end of the original trunk sewer. Leachate from Cell V will collect in the existing manhole and will be pumped into a portable tank which will be taken to

the treatment plant and emptied as needed.

Crushed stone in all disposal cells is selected to ensure suitability. Sizing and grading are specified to provide minimum sizes larger than the piping perforations, to prevent stones entering the pipes, plugging the pipes, and being transported to the treatment plant. Materials used exclude limestone, dolomite, and similar materials, in accordance with the SWRR.

The quantities of leachate generated within all cells are such that there should never be a head of over one foot above the lowest elevation of the cell floors. ~~Three~~ Five leachate generation analyses have been performed at Mundy Landfill since 1990, all of which predict very low quantities of flow from the closed disposal cells. All utilized the Hydrologic Evaluation of Landfill Performance (HELP) computer model created by the U.S. Army Corps of Engineers and recommended by the U.S. Environmental Protection Agency and the Louisiana Department of Environmental Quality. The 1990 analysis, by Soils Testing Engineers, Inc. of Baton Rouge, Louisiana, used the HELP model in conjunction with one and a half months of field measurement of flows in the leachate piping system to reach a conclusion that only ten gallons per day (GPD) of leachate was being created in Cells I - IV. Two 1996 models were run by Aillet, Fenner, Jolly, and McClelland, Inc. (AFJM) of Shreveport, Louisiana, one for Cells I - V and one for Cell VI. The first model took into account the horizontal and vertical expansions of disposal areas by permit modifications since 1990, including the addition of Cell V and the raising of the maximum permitted height of waste disposal, and determined that 125 GPD of leachate was the maximum leachate flow that would be generated. The second model, for Cell VI, which included the expected composite final cap of compacted clay and HDPE, added a negligible amount of flow. The minimum six-inch diameter piping at a slope of at least one percent easily accommodates such flows. A fourth HELP model was performed by AFJM in 1997, at the request of the LDEQ to analyze a worst case scenario for leachate generation during the service life of Cell VI, assuming the maximum possible surface area of disposed wastes and use of only daily and interim cover materials. This fourth model estimated a flow of leachate of 660 GPD, still easily handled by the piping design. The ability of the piping to carry the quantities of leachate generated and remove it from the cell will prevent any buildup of head at the bottom of the cell. Copies of these four HELP model analyses are provided in **Appendix J** of this document, along with an analysis of the piping design. Cell VII, Phase 1 has the same design components as Cell VI; therefore, the Cell VI analyses are valid for Cell VII, Phase 1. In 2006 a fifth analysis was prepared for evaluation of Cell VIII. The results were comparable to the Cell VI analysis. An estimated leachate generation rate of 636 GPD is expected according to the Cell VIII analysis. This analysis is presented in **Appendix S.**

Piping in Cells I through VI is sloped to the cell perimeters, terminating in penetrations of the cell liners and connections to the leachate transmission piping to the treatment plant. Such designs allow gravity flow, which was selected over pumping systems due to maintenance and potential failure problems associated with pumps, and the soil characteristics at the site. Disposal Cells I - V each have two penetrations of the cell liner to facilitate gravity drainage of the leachate from the cell, as was permitted when those cells were designed and constructed. One cell liner penetration is for the leachate piping, and the other is for a separate piping system for interception of the contaminated stormwater while the cell was active. It was decided at the time of design and permitting, due to the

lack of information concerning treatment of leachate and contaminated stormwater at the time, that separation of the two types of flows might be advantageous. Both penetrations included installation of an anti-seep collar of reinforced concrete, around which were placed compacted clay materials with an installed hydraulic conductivity of less than 1×10^{-7} cm/sec, matching that of the cell liner. The sewer system for the contaminated stormwater was abandoned and plugged with concrete inside the disposal cells and at the manholes as part of the closure of the five non-Subtitle D putrescible waste disposal cells (Cells I - V) in 1997.

Cell VI also utilizes gravity flow for leachate removal and has two cell liner penetrations, due to the size, layout, and grading of the cell. Both are for combined leachate and contaminated storm runoff. The primary seal for each penetration is the welding of the cell HDPE top liner to the HDPE pipe at the beginning of the penetration. All penetrations also include the installation of a concrete waterstop outside the compacted clay subliner and within the levee, and a second waterstop consisting of a well-graded mixture of bentonite granules and fines within the clay subliner. Moisture seepage along the pipe will be stopped upon reaching the bentonite, because of the expansion of the bentonite with exposure to moisture.

There are no liner penetrations in Cell VII, Phase 1, or Cell VIII for the removal of leachate. Leachate is collected at the low ends~~, the northwest end~~ of the cells. ~~A s~~ Submersible pumps are ~~is~~ used to pump the leachate out of the cells to the treatment pond.

Wastewater from the cells is conveyed to the treatment plant by leachate transmission piping, solid-wall piping similar to the perforated collection piping. Transmission piping installed with Cells I - V is PVC, except for a portion replaced with HDPE as part of the treatment plant expansion in 1997. The Cell VI, ~~and~~ Cell VII, Phase 1, and Cell VIII transmission piping is all HDPE, selected because of the installation procedure, which includes welding sections of pipe together, eliminating the possibility of leakage at pipe joints. Wash pad runoff is carried to the pond by a stormwater piping system consisting of reinforced concrete pipe.

The treatment plant for all site waste waters consists of three facultative lagoons operated in series and located ~~at the~~ northeast of Cell VII ~~west corner of the property~~. Its effluent and treatment requirements, as permitted by the state and federal discharge permits issued to the landfill, are described in **Appendix E**. Copies of the permits and the March 22, 2006 ~~November 2004~~ LPDES permit application are also included. As shown on the drawings in **Appendix O** and **Appendix S**, wastewater flow enters the plant at the southern end of Oxidation Pond 1, is discharged at that pond's northern end to the northern end of Polishing Pond 2, and proceeds south through Ponds 2 and 3 to a discharge into the drainage ditch which exits the landfill site near the center portion of the facility's northern property line ~~at its northwest corner~~. Treatment is by the processes of detention, sedimentation, aeration and biological treatment, and evaporation. All of the sedimentation and the majority of the biological treatment is performed in Oxidation Pond 1. The polishing ponds provide additional biological treatment of the previously treated wastewater, to improve the quality of the plant effluent. All three ponds provide treatment by evaporation. The plant is operated at a three-foot depth, reducing the previous operating level of the single oxidation pond by two feet, which will improve the efficiency of the plant and the quality of its effluent. The capacity of Oxidation Pond

1 for leachate detention and biological treatment is approximately 285,000 cubic feet (CF), a volume which easily accommodates the quantities of leachate being generated and volumes anticipated, and results in a detention of almost a year. Between the leachate operation level of three feet and the top of the walls/levees, there is extra capacity to accommodate the runoff generated by the 25 year, 24 hour storm within the active disposal operations area, while still maintaining two feet freeboard, as indicated by the computations in **Appendix J**. The plant is sized to accommodate the anticipated flows of leachate and contaminated storm runoff without overtopping due to overfilling, wave action, or storms. Dirty water from the wash pad is a minor and irregular contributor to the treatment pond, and silt-laden water from construction operations is now directed to the sedimentation ponds.

The computations concerning the design of the treatment plant are provided in **Appendix J**. Computations utilize the results of the HELP models for leachate flows to the plant from the disposal cells; standard oxidation pond guidelines and loading criteria provided by such documents as the Louisiana Code, the Louisiana Sanitary Code, and information from the LDEQ and the Department of Health and Human Resources; and the physical pond information, to determine the treatment ability of the pond. Due to the current and anticipated low leachate flow rates and the resultant very long detention times, the plant is capable of treating wastewaters well within the estimated contamination levels for leachate. Raw leachate samples tested by Mid-South Analytical Laboratories of Bossier City, Louisiana, in 1997 indicate that the leachate is less contaminated than these estimates, further validating the pond design.

The leachate collection and removal systems for Cell VI, ~~and~~ Cell VII, Phase 1, ~~as approved in Modification No. 26 and Modification No. 31, respectively,~~ and Cell VIII have been designed to meet all the requirements of **§711.B.4**. The general design considerations described in **§711.B.4.b.(I)** through **(vii)** are all incorporated into the design, as follows:

(i) Leachate management will not consist of absorption of the leachate into the disposed wastes. A system of collection and transmission piping installed, according to the requirements of **§711.B.4.b.(vii)**, as discussed below, intercepts the leachate and conveys it to the treatment plant prior to its discharge from the site;

(ii) Infiltration of water into the cells is minimized by utilizing daily, intermediate, and final covers. The final cover is a composite of compacted clay and high density polyethylene. Materials and construction methods used at the landfill since its inception have minimized the generation of leachate in Disposal Cells I - V, as described by the leachate generation analyses performed in 1990 and 1996, which demonstrate that leachate generation amounts in the non-composite final covers over these five cells are only 125 gallons per day (GPD). The composite construction utilized for the final cap on Cells VI, ~~and~~ VII, ~~Phase 1~~, and VIII is expected to limit leachate generation quantities to less than one GPD in these cells, as indicated in the models evaluated. Copies of the analyses are provided in **Appendix J** and **Appendix S**, along with engineering computations which demonstrate that the design of the piping systems is more than adequate to accommodate the interception and transmission of all leachate.

(iii) Leachate is treated to minimize its impact on the environment prior to its discharge from the landfill property. The three ponds have been operated under the effluent requirements of the

site LPDES permit ~~NPDES permit and the state water discharge permit~~, and have shown the ability to treat leachate and contaminated stormwaters in such a manner as to meet the permit effluent quality standards. **Appendix E** contains an application for an LPDES permit requesting new Outfall #6. Engineering design calculations for the treatment plant are included in **Appendix J** and demonstrate the ability of the treatment ponds to treat the site wastewaters to effluent qualities exceeding the standards cited in the two site water discharge permits and meeting or exceeding those proposed by the LPDES permit application.

(iv) Leachate removed from the disposal cells is transported to the treatment plant within watertight transmission piping incased in a compacted clay embedment to prevent any leakage and adverse effects on the environment.

(v) Liners have been constructed in the disposal cells and the oxidation pond to prevent the migration of leachate. Composite liner construction meeting the requirements of **§711.B.5** was installed in Cells VI, and VII, ~~Phase 1~~ and is proposed for installation in Cell VIII. The refinishing of the oxidation pond provided a compacted clay liner. These liners consist of native clay materials, which were placed and compacted into minimum three feet thick (for the disposal cells) and four feet thick (for the pond) liners, with a hydraulic conductivity less than 1×10^{-7} cm/sec, and a top liner of 60-mil thick HDPE (disposal cells only). All clay liner construction was in accordance with the quality assurance/quality control (QA/QC) guidelines, performed by contractors with at least five years experience in compacted clay liner construction, and monitored by a QA/QC Engineer. The synthetic top liner installation shall continue to be performed by personnel supplied by the material supplier and with at least five years experience in such installations, under the requirements of the QA/QC plan, and will be monitored by a QA/QC Engineer. The polishing ponds are concrete tanks, with interior/exterior coatings and waterstops, and do not require a separate liner system.

(vi) The engineering calculations for the design of the treatment plant include the results of a pair of analyses of the raw leachate, which were performed by the landfill's testing laboratory. The result from the first sampling and testing indicated a very low level of contamination, which prompted the repeating of the procedure. The second result was comparable to the first. Copies of the two lab reports are included in the computations in **Appendix J**. The computations validating the design of the treatment plant did not utilize the test results, due to the indicated low levels of pollution. Instead, the surface areas of the ponds were sized to fit into the physical area of the site, and those areas were used to determine the levels of contamination which could be adequately treated by the plant. Those levels were then compared with predicted levels as provided by published literature, and were found to be within acceptable limits.

(vii) Design calculations supporting the proposed leachate collection and removal system are included in **Appendix J**. Those computations and the design drawings in **Appendix O** (Cell VI), ~~and~~ **Appendix P** (Cell VII, Phase 1), and **Appendix S** (Cell VIII) demonstrate the viability of the proposed design, as follows:

(a) The leachate collection piping system is located above the composite cell liner, in gravel-lined trenches which will facilitate interception of the leachate and protect the piping by reducing the pressure from the dead and live loadings on the pipes.

(b) The collection piping for Cell VI is six-inch diameter PVC and the transmission is

6-inch and 14-inch nonperforated HDPE, as shown on the above-referenced details and the plan and detail drawings, **Sheet 20** through **Sheet 23** in **Appendix O**. The collection piping for Cell VII, Phase 1 and Cell VIII is six-inch diameter perforated HDPE, and the short trunk sewers ~~is~~ are 18-inch nonperforated HDPE. This design meets the minimum size required of the SWRR; is sufficient to carry the flow of wastewater from the cells, as calculated in **Appendix J**; and, utilizes materials which have been demonstrated to be leachate-resistant.

(c) Cleanouts are provided for the collection piping system within the cells.

(d) A layer of sand will be placed over the installed composite liner and leachate collection piping systems. The sand will serve as protection of the liner and piping from hauling vehicles and compaction equipment, as well as a filtration layer to trap fines and prevent wastes from entering the piping system. This protective layer is 18 inches thick in Cell VI; and, 12 inches thick in Cell VII, Phase 1 and Cell VIII.

(e) The layout of the collection piping systems ~~in both cells maintain~~ maintain a flow path of less than 100 feet, as measured perpendicular to the pipe.

(f) The surface of the Cell VI composite liner slopes toward the collection piping at a slope of six percent, as measured perpendicular to the piping, or 6.7% perpendicular to the contours, exceeding the minimum two percent (2%) requirement of the SWRR The surface of the Cell VII, Phase 1 and Cell VIII composite liner slopes toward the collection piping at a slope of two percent, ~~east to west,~~ over the entire bottom area of the cells.

(g) The minimum slope of leachate collection piping is one percent, as required by the SWRR.

(h) The design calculations in **Appendix J** demonstrate that the design of the system will maintain the level of the leachate in the disposal cell at not more than one foot of head above the lowest bottom elevation of the leachate collection piping. The HELP model estimates leachate flow rates of only 125 gallons per day from closed Cells I through V and less than 700 gallons per day from the active working face, which will easily be accommodated by six-inch piping at a gradient of at least one percent. The leachate lift stations in Cell VII, Phase 1 and Cell VIII, as illustrated on the drawings presented in **Appendix P** and **Appendix S**, respectively, ~~is~~ are designed to maintain the level of the leachate in the disposal cells at not more than one foot (30 cm) of head above the lowest bottom elevation of the lined cell floor. The equipment includes a sensing probe which activates the pump when leachate reaches this elevation.

(i) Cell VI: The transmission piping which conveys the leachate to the treatment plant is sized to accommodate the flows anticipated from the disposal cell, as described in the design calculations for the piping in **Appendix J** and the leachate generation analyses performed at this facility, copies of which are also included in **Appendix J**. The transmission piping intended to carry only leachate is sized at 6-inch diameter. The piping which will convey leachate and contaminated storm water is increased in size to 14-inch to accommodate the higher flows.

Cell VII, Phase 1 and Cell VIII: The short trunk sewers which conveys pumped leachate from Cell VII, Phase 1 and Cell VIII to the wastewater treatment plant are

~~is~~ sized at 18 inches in diameter to accommodate the contaminated stormwater flows anticipated from the disposal cells. The collection piping within the cells intended to carry leachate is sized at a six-inch diameter.

(j) As discussed in (a) above, the collection piping was installed in trenches above the composite liner, for facilitation of interception of the leachate and protection of the piping. The locations of these trenches, or swales, are shown on **Sheet 19** through **Sheet 22** in **Appendix O**, ~~and~~ **Sheet 11** in **Appendix P**, and drawing STE-S5 in **Appendix S**. The swales are detailed on **Sheet 24** and **Sheet 25** in **Appendix O**, ~~and~~ **Sheet 20** in **Appendix P**, and drawing STE-S10 in **Appendix S** ~~and will provide an additional 12 inches of compacted clay subliner beneath the leachate collection piping, since these are the areas of concentrated leachate flow, and require maximum protection from leakage~~.

(k) The leachate collection piping from Cells I through IV enter Cell VII, Phase 1 on the eastern side of the cell. The collection systems within Cells VI, ~~and~~ VII, and VIII ~~Phase 1~~ convey the intercepted wastewaters to the perimeter of those disposal cells by gravity flow, toward the discharge points at the low points, also called sumps, ~~northern and/or northwestern corners~~ of the cells. The Cell VI collection pipes penetrate the liner at the cell's northern end ~~of Cell VI~~ and connect to the transmission pipes which convey the leachate to the treatment plant. The Cell VII and Cell VIII collection systems ~~does~~ not penetrate the liners for removal of the leachate ~~at the northern end of the cell~~. The leachate collects at the leachate lift stations for removal by pump ~~at the northwestern corner of the cell~~. The lift stations are ~~is~~ detailed on the drawings of **Appendix P** and **Appendix S** and designed to handle the anticipated low leachate flows. Details of the penetrations of the liner in Cells VI and VII by the collection pipes are provided on **Sheet 24** and **Sheet 25** in **Appendix O** for Cell VI and on **Sheet 20** in **Appendix P** for Cell VII, Phase 1.

(l) The collection piping is embedded at the center of a one-foot deep envelope of crushed stone. Previously approved computations, presented in **Appendix J**, demonstrate the adequacy of this design to protect the piping while facilitating leachate interception and filtration of fines and waste materials. Calculations demonstrating the structural stability of the collections pipes in Cell VIII are presented in **Appendix S.**

(m) The size of the crushed stone used as the envelope for the leachate collection piping in the trench is a minimum of one half of an inch. The perforations in the collection piping are one-quarter inch in diameter. This ensures that the stone will not enter the piping or block the perforations.

(n) A geotextile is used to line the collection piping trench and envelope the crushed stone and piping. The cushion geotextile is placed atop the HDPE liner and across the swale. After the placement of the stone and the piping, a filter geotextile is placed above the swale and over the stone and sewn or otherwise continuously attached to the cushion geotextile on both sides of the swale for filtration of fines and waste.

(o) The use of limestone, dolomite, or other similar types of stones is excluded from use as trench fill for the leachate collection piping.

(p) A waiver was approved to allow the three liner penetrations in Cell VI and Cell VII, Phase 1.

(q) Reinforced concrete waterstops or anti-seep collars were installed around the Cell VI liner penetrations. These collars are surrounded by clay materials compacted to a hydraulic conductivity matching that of the adjacent clay liner, as shown on **Sheet 24** and **Sheet 25** in **Appendix O**. In Cell VII, Phase 1 each penetrating pipe is also fitted with an antiseep collar. Each collar is encased in bentonite and surrounded by a minimum of 36 inches of compacted clay as illustrated in Section F of **Sheet 20**, presented in **Appendix P**.

®) All leachate gravity-flow transmission piping is leak-tested, as described by the construction specifications in **Appendix K**. Acceptable tests indicate that the piping is watertight, with no leaks detected. After acceptable testing has been achieved, the piping is backfilled with compacted clay materials, providing additional leak protection.

(s) All control systems for the leachate collection and removal system are designed to be operated from ground level. The design provided is intended to minimize the need for confined space entry, and make any such entry as safe as possible.

§521.F.5. The following information on plans and specifications for groundwater monitoring must be provided for Type I and II facilities:

§521.F.5.a. A minimum of three piezometers or monitoring wells in the same zone must be provided in order to determine groundwater flow direction;

~~The 1996 geological investigation concluded that the four monitoring wells at the site do not meet current SWRR to adequately monitor the three subsurface water-bearing permeable zones identified. One monitoring well, MW-3, was plugged and abandoned in February 2002 for construction of Cell VII, Phase 1.~~ The Facility plans to monitor Zone C, the uppermost water-bearing permeable stratum, and Zones G1 and G2, which together comprise the uppermost aquifer. These strata are shown in geologic cross-sections ~~(JEI-3 through 14)~~, isopach maps ~~(JEI-15, 16, and 17)~~, and isometric profiles ~~(JEI-18 and 19)~~ on **Sheets JEI-3** through **JEI-19** in **Appendix Q** and **Sheets JEI-S3** through **JEI-S14** in **Appendix S**. A minimum of nine wells is required to provide one upgradient and two downgradient wells to monitor each zone.

~~In addition to the three monitoring wells, there are currently 16 piezometers installed at the Facility. Five monitoring wells/piezometers are installed in Zone C, six piezometers are installed in Zone G1, and six monitoring wells/piezometers are installed in Zone G2. LSPZ100B appears to be screened in both Zones G1 and G2. LSPZ106B appears to be screened in two permeable layers of Zone G2. MW-2 is screened in confining layer D1.~~ A total of 34 monitoring wells and piezometers has been installed at the Facility. The screened zone and screened interval elevations for each well are given in **Table 2 (Appendix S ~~M, Section M-4~~)**. Seventeen monitoring wells and eight piezometers currently exist at the Facility. Two wells installed in Zone G2, MW-3 and LSPZ208, were plugged and abandoned in 2002. Monitoring well MW-4, which was screened in Zone B, was plugged and abandoned in late 1991 and replaced by MW-4A (now MW-C-4A) in Zone C. In February and March 2005, six monitoring and piezometer wells were plugged and abandoned to upgrade the groundwater monitoring system as described in the 2004 Permit Renewal Application. These wells included MW-2, LSPZ100B, LSPZ104, LSPZ106B, LSPZ111, and LSPZ210B. Eight new monitoring wells were installed to upgrade the groundwater monitoring system including MW-C-5, MW-C-6, MW-G1-7, MW-G1-8, MW-G1-9, MW-G1-10, MW-G2-12, and MW-G2-13. ~~Eleven of the piezometers or piezometer locations are proposed as monitoring wells in the groundwater monitoring system.~~ Four piezometers ~~will be~~ were retained to provide groundwater elevation data for constructing potentiometric maps. In September and October 2005, four new piezometers were installed as part of the geological investigation for permitting of Cell VIII. Three of these piezometers, PZ-G1-305, PZ-G2-309, and PZ-G1-312, will be converted to monitoring wells. One piezometer, PZ-C-308, will be plugged and abandoned. Four additional monitoring wells will be installed. This provides ~~six~~ seven to ~~nine~~ thirteen piezometers or monitoring wells in each of the three monitored zones to determine groundwater flow. ~~Three of the piezometers that have 15-20 feet of screen (LSPZ100B, LSPZ104, and LSPZ106B) will be replaced with wells having 10 feet of screen to comply with §709.E.1.c.iii(c).~~ Exemptions from **§709.E. 1.c.iii(c)** ~~have been requested~~ were approved for two ~~piezometers~~ wells (USPZ102/PZ-C-102 and LSPZ103/MW-G2-103) with 15 feet of screen.

The monitoring wells and piezometers proposed for each zone are listed in the tables below and discussed in the Groundwater Sampling and Analysis Plan (**Appendix F**). ~~New~~ Monitoring and piezometer well names ~~will~~ designate the permeable zone in which the well is screened. Piezometers that are converted to monitoring wells ~~but not replaced~~ will retain the number designation corresponding to their boring log.

Zone C

Gradient	~~Current~~ Old Name	~~New~~ Current Name	Proposed Name
Wells - Up	MW-4A	MW-C-4A	N/A
Wells - Down	USPZ113	MW-C-113	N/A
	NA (new)	MW-C-5	N/A
	NA (new)	MW-C-6	N/A
Piezometers - Up	USPZ102	PZ-C-102	N/A
	USPZ103	PZ-C-103	N/A
	USPZ209	PZ-C-209	N/A
	NA (new)	PZ-C-308*	N/A

* Will be plugged and abandoned.

Zone G1

Gradient	~~Current~~ Old Name	~~New~~ Current Name	Proposed Name
Wells - Up	LSPZ100B[r]	MW-G1-7	N/A
	LSPZ102	MW-G1-102	N/A
Wells - Down	LSPZ104B	MW-G1-104B	N/A
	LSPZ111[r]	MW-G1-8	N/A
	LSPZ219	MW-G1-219	N/A
	NA (new)	MW-G1-9	N/A
	NA (new)	MW-G1-10	N/A
	NA (new)	MW-G1-11	N/A
	NA (new)	PZ-G1-305	MW-G1-305
	NA (new)	PZ-G1-312	MW-G1-312
	NA (new)	NA (new)	MW-G1-14
	NA (new)	NA (new)	MW-G1-15
	NA (new)	NA (new)	MW-G1-16
Piezometers - Up	LSPZ209	PZ-G1-209	N/A

r – Well ~~will be~~ replaced in 2005.

Zone G2

Gradient	~~Current~~ Old Name	~~New~~ Current Name	Proposed Name
Wells - Up	LSPZ103	MW-G2-103	N/A
Wells - Down	MW-1	MW-G2-1	N/A
	LSPZ104[r]	MW-G2-12	N/A
	LSPZ110B	MW-G2-110B	N/A
	LSPZ210A	MW-G2-210A	N/A
	NA (new)	MW-G2-13	N/A
	NA (new)	PZ-G2-309	MW-G2-309
	NA (new)	NA (new)	MW-G2-17

r – Well ~~will be~~ replaced in 2005.

The well locations ~~with the new naming scheme~~ are shown relative to points of compliance for Zones C, G1, and G2 in ~~Sheets JEI-61, JEI-62, and JEI-63~~ drawings JEI-S51, JEI-S52, and JEI-S53, respectively, located in **Appendix ~~Q~~ S**. **Table ~~4~~ 5**, located in **Appendix S ~~M, Section M-4~~**, contains preliminary installation information for the new ~~and replacement~~ monitoring wells. These wells will be installed in accordance with **§709.E.1.c** and the LDEQ/LDOTD document, "Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook," December 2000. The well locations, depths, screened intervals, and thickness of the monitored zones are based on currently available information and will be finalized in the field. ~~Wells MW-2, LSPZ100B, LSPZ104, LSPZ106B, LSPZ111, and LSPZ210B will be plugged and abandoned in accordance with the "Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook."~~

§521.F.5.b. For groundwater monitoring wells, cross-sections illustrating construction of wells, a scaled map indicating well locations and the relevant point of compliance, and pertinent data on each well, presented in tabular form, including drilled depth, the depth to which the well is cased, screen interval, slot size, elevations of the top and bottom of the screen, casing size, type of grout, ground surface elevation, etc.;

Drawing **STE-S3** ~~**Sheet STE-6**~~, presented in **Appendix** ~~**Q**~~ **S**, illustrates the locations of all wells installed at the Mundy Landfill. The installation details for wells and piezometers are provided in the Groundwater Sampling and Analysis Plan, **Appendix F**. These diagrams include drilled depths, screen lengths and screen elevations, casing sizes, types of grout, and additional information. Pertinent data for each well installed at the facility is presented on **Table 2** in ~~**Section 4 of**~~ **Appendix S** ~~**M**~~. Preliminary Installation Data for Proposed Monitoring Wells is presented on **Table** ~~**4**~~ **5** in ~~**Section 4 of**~~ **Appendix S** ~~**M**~~**.**

The groundwater monitoring system will be ~~improved~~ upgraded as part of this application to ~~correct deficiencies confirmed by the 1996 and 2002 subsurface investigations~~ allow groundwater monitoring upgradient and downgradient of the Cell VIII area. Zones G1 and G2 will be monitored for Cell VIII. Zone C will not be monitored for Cell VIII as it is absent downgradient of the cell and will be removed from beneath and within at least 50 feet upgradient of the cell. ~~New wells will be installed and existing wells abandoned to provide a system with at least one upstream and three downstream of all the disposal area, in each of the three water-bearing sand strata.~~ Point-of-compliance drawings for each of the three permeable zones are presented as ~~**Sheets JEI-61, JEI-62, and JEI-63**~~ drawings **JEI-S51, JEI-S52, and JEI-S53** in **Appendix** ~~**Q**~~ **S**. The proposed monitoring system is a monitoring well network that will utilize ~~some~~ the existing monitoring wells, convert ~~some~~ three existing piezometers to monitoring wells, plug and abandon ~~some wells~~ one piezometer, and will require the installation of ~~a few~~ four new wells. Exemption from **§709.E.1.b.iv** will be requested to allow monitoring well spacing of greater than 800 feet where Zone G1 or G2 is absent. Details of the monitoring well network are presented in the Groundwater Sampling and Analysis Plan, **Appendix F.**

§521.F.5.c. A groundwater monitoring program including a sampling and analysis plan that includes consistent sampling and analysis procedures that ensure that monitoring results provide reliable indications of groundwater quality;

The Groundwater Sampling and Analysis Plan is presented in **Appendix F.** The Plan includes the procedures for sample collection, preservation and shipment, chain of custody control, and quality assurance/quality control, as required by **§709.E.2.b.i-iv**. The plan also includes analytical methods to be employed (from SW-846), the sampling frequency during detection monitoring, the statistical method to be used in evaluating the groundwater monitoring data, and the practical quantitation limit (PQL) for each parameter, as specified in **§709.E.2.i-v.** The sampling parameters will include temperature, pH, specific conductance, and total dissolved solids and the detection parameters presented in **Table 1** of **Appendix C** of Part VII of the Environmental Regulatory Code required for Type I and II landfills under **§709.E.3.g.~~ii and iii~~.** Analysis of the oxidation pond sludge in 2004 justified the appropriateness of these parameters.

§521.F.5.d. For an existing facility, all data on samples taken from monitoring wells in place at the time of the permit application must be included. (If this data exists in the Department records, the administrative authority may allow references to the data in the permit application.) For an existing facility with no wells, groundwater data shall be submitted within 90 days after the installation of monitoring wells. For a new facility, groundwater data (one sampling event) shall be submitted before waste is accepted;

Mundy Landfill has submitted reports concerning the sampling and testing of the groundwater at the existing monitoring wells for the years they have been in operation. These reports are in the LDEQ historical files for this facility. New wells will be initially sampled quarterly for one year to establish background levels. Semiannual sampling will continue after the first four quarterly samples are retrieved. Groundwater monitoring reports will be submitted on a semiannual interval, using the Groundwater Sampling and Analysis Plan, presented as **Appendix F**.

Historic potentiometric maps for the three water bearing strata are presented on **Sheets JEI-20** through **JEI-60** in **Appendix Q**.

Potentiometric mapping including results from the 2005 (Cell VIII) piezometers is presented on **Sheets JEI-S15** through **JEI-S50** in **Appendix S**. When the revised monitoring well plan (including Cell VIII) is approved, any new wells will be sampled and the monitoring report submitted to the LDEQ before waste is introduced into Cell VIII.

§521.F.5.e. A plan for detecting, reporting, and verifying changes in groundwater;

Groundwater sampling and analysis will be conducted on a semiannual basis at the facility in accordance with **§709.E.3**. The Groundwater Sampling and Analysis Plan is included in **Appendix F**. The sampling parameters ~~will~~ include temperature, pH, specific conductance, and total dissolved solids and the detection parameters presented in Table 1 of Appendix C of Part VII of the Environmental Regulatory Code required for Type I and II landfills under **§709.E.3.g.~~ii and iii~~**. Analysis of the oxidation pond sludge in 2004 justified the appropriateness of these parameters.

The groundwater analytical data will be evaluated using one of the statistical methods described in **§709.E.2.e.ii**. A decision-tree type approach, which is based on the most recent EPA guidance documents for groundwater monitoring at RCRA facilities, will be used to determine the most appropriate statistical evaluation method for the facility. The flowchart to be used is presented in the Groundwater Sampling and Analysis Plan, **Appendix F**. Groundwater data from previous/initial sampling events will be utilized to help determine the appropriate statistical method to detect if statistically significant changes in the groundwater quality have occurred. If a statistically significant difference in groundwater quality of any downgradient monitoring well is found, LDEQ will be notified as specified in **§709.E.3.f.**

§521.F.5.f. The method for plugging and abandonment of groundwater monitoring systems.

Plugging and abandonment of monitoring wells will follow the LDOTD rules cited in ~~LAC 70:XII~~ **LAC 56: Chapter 5** plus the provisions in **§709.E.1.e.ii.** In general, the casings will be pulled or reamed, and the resulting hole grouted bottom-to-top with cement-bentonite grout. All surface components will be removed. All resulting waste material will be disposed of in a properly permitted facility.

Before any monitoring wells may be abandoned, written approval will be obtained from LDEQ and other applicable regulatory agencies. The facility will notify the LDEQ in writing, at least 30 days before abandonment, and will supply the LDEQ with the following information:

(1) Name and address of the facility;
(2) Well identification and exact location;
(3) Well construction data, including well depth and intermediate stratification, screen length and material, casing size and material, sealing of the annulus, and other pertinent data;
(4) Reason for abandonment; and,
(5) Proposed abandonment method including sealing method and material proposed.

§521.F.6. The facility plans and specifications for Type I and II landfills and surface impoundments (surface impoundments with on-site closure and a potential to produce gases) must provide a gas collection and treatment or removal system.

Drawings **DSW-GP-20A** through **DSW-GP-20D** in **Appendix N**, ~~and~~ **Sheet 27** and **Sheet 28** in **Appendix O**, and drawing **STE-S8** in **Appendix S** illustrate the landfill gas collection and removal system permitted at Mundy Landfill, in conformance with the requirements of the LDEQ. It is a passive system, meaning that there are no active forces, such as pumps, which aid in the removal of the methane from the closed cells. An Initial Design Capacity Report for this facility, a copy of which is included in **Appendix J** of this document, was submitted and accepted by the LDEQ in 1996. This report demonstrates that Mundy Landfill does not generate sufficient landfill gas to warrant the installation of active controls for the removal of the gas. The drawings presented in **Appendix P** and **Appendix S** show the closure caps for Waste Disposal Cells VII, Phase 1 and Cell VIII, respectively, and the landfill gas collection and removal system. The gas system for Cell VII is shown as an extension of, and connecting to, the existing gas system for Cells I - IV. The gas system for Cell VIII stands alone. The materials and installation details and specifications conform to the Solid Waste Rules and Regulations and are identical to those approved by the Department of Environmental Quality for Permit Modification No. 26, concerning the installation of Waste Disposal Cell VI.

As shown on the drawings, the system is to be installed when waste disposal operations reach the maximum permitted elevation in an area, and the cap is installed. After placement of the final cap, a trench is cut through the cap and into the top of the compacted wastes, and lined with crushed stone, which envelopes a perforated pipe. The piping system follows the contours of the final cap, to ensure migration of the landfill gas toward the atmospheric vents. Upon completion of the final cap installation, gas rising through the wastes will migrate upward along the bottom of the cap until it is intercepted by the piping. The gas will then follow the path of least resistance, which is the crushed stone and the perforated pipe in the trench, until the pipe reaches a riser vent. This vent penetrates the final cap and allows the gas to escape to the atmosphere. The riser vent is anchored in place with a reinforced concrete pad. The system includes cleanouts spaced according to the equipment used at Mundy Landfill.

The location of the landfill in a rural area with few residences in the immediate vicinity allows venting without causing an odor nuisance or a health hazard. Monitoring of the site by the landfill personnel, as described in **Appendix C**, ensures that the system is operating properly, that gas is not migrating through the ground beyond the limits of the disposal cells, and that gas concentrations are maintained below the required limits to prevent explosions or other safety hazards.

The surface impoundments (the three lagoons in the treatment plant) do not generate any detectable quantities of gas, and do not require a gas collection and removal system during their service life. Closure will include drainage of the three ponds, demolition of the two polishing ponds and excavation of the Oxidation Pond 1 liner, and backfill with fresh soil, as described in **§521.K.2.b**, negating the need for a gas collection/removal system.

§521.G. **<u>Facility Administrative Procedures</u>. Standards governing facility administrative procedures are contained in LAC 33:VII.711.C (Type I and II landfills), LAC 33:VII.713.C (Type I and II surface impoundments), LAC 33:VII.715.C (Type I and II landfarms), LAC 33:VII.717.F (Type I-A and II-A facilities), LAC 33:VII.721.B (Type III construction and demolition debris and woodwaste landfills), LAC 33:VII.723.B (Type III composting facilities), and LAC 33:VII.725.B (Type III separation facilities).**

§521.G.1. **The following information on administrative procedures is required for all facilities:**

§521.G.1.a. **Recordkeeping system; types of records to be kept; and the use of records by management to control operations;**

As discussed in **§521.B.1.f** above, the landfill operator's building contains equipment to monitor and record all site operations to ensure conformance to all issued permits. All records, plans and specifications, design data, construction reports, and other data concerning the types and quantities (in wet weight tonnage) of wastes deposited, monitoring data, and any other information necessary for effective management of Mundy Landfill will be kept for the life of the facility and for three years beyond date of closure.

An annual report is submitted to the administrative authority as required by **§711.C.1.a**, detailing quantities and types of waste deposited at the facility, their sources, and the estimated remaining permitted disposal capacity of the site. The form used is included in **Appendix C**. Copies of the annual reports from 1985 through mid-1995 were utilized in the preparation of the Initial Design Capacity Report (IDCR) for the Office of Air Quality in 1996, and information from the annual reports is summarized in the IDCR, a copy of which is provided in **Appendix J**. The annual reports are used by the operator to plan utilization and expansion of the landfill to accommodate future disposal needs. Waste disposal will be detailed according to in-state and out-of-state generators. The reporting period is from July 1 through June 30.

Effluent from the treatment plant and site discharge at the ~~five~~ <u>six</u> onsite NPDES outfalls is sampled, analyzed, and reported to the LDEQ quarterly. Refer to **Appendix C** for examples of the forms used for surface water monitoring. Copies of all reports which include sampling and testing data are included in the computations in **Appendix J** concerning analysis of the treatment plant. This data was used to justify the design of the plant expansion and its ability to satisfactorily treat all site wastewaters to meet the water discharge permits issued to the facility. The operator uses the data from the reports to maintain control of site discharge and protect surrounding water courses.

Groundwater sampling and testing results are sent to the administrative authority semi-annually. Monitoring will be performed in accordance with the Groundwater Monitoring Sampling and Analysis Plan (SAP) included in **Appendix F**, upon approval of this application. Groundwater monitoring enables the operator to determine the possibility of leakage from the disposal cells through their liners.

Landfill gas is monitored at least monthly, and reports are prepared and filed. Reports are not submitted to the LDEQ, but are maintained at the facility for review by LDEQ inspectors during regular inspections.

Records to be kept include:

1) Quantity, type, and source of waste disposed of daily, on a per-vehicle basis. Quantity is determined by wet tonnage at the scales at the facility entrance. Type is verified by visual inspection. Sources are confirmed by the haulers. Volumes of refuse are estimated and recorded for future planning of fill rates.
2) Copies of the Solid Waste Rules and Regulations.
3) Copy of the solid waste disposal permit, the permit application, and all approved permit modifications.
4) Construction drawings, specifications, certified field notes, and as-builts.
5) The daily log.
6) Quality assurance/quality control records, including those concerning the acceptance and inspection of industrial solid waste; and, the construction of cell liners, leachate collection systems, final caps, and landfill gas collection systems.
7) Copies of all inspection reports, including but not limited to, those for random inspection of incoming vehicles for unauthorized wastes, for site inspections, for cell closure, for cell post-closure, etc.
8) Operator certifications and training programs.
9) Leachate generation quantities and analysis reports.
10) All monitoring data and reports for groundwater, landfill gas, treatment pond discharge, NPDES surface water discharge, industrial waste acceptance, etc.
11) Additional records required and identified by the LDEQ, including copies of all correspondence to and from the LDEQ.

§521.G.1.b. An estimate of the minimum personnel, listed by general job classification, required to operate the facility;

Names, titles, and operator certification levels of personnel employed to work at the Mundy Landfill are provided in **Appendix C**. Operation of the facility requires, as a minimum, the following personnel:

Position/Title	No. Required
Director of Public Works	1
Landfill Superintendent	1
Administrative Secretary/Scale Operator	1
Equipment Operator	6

All personnel involved in waste handling at the facility are trained adequately in procedures to recognize and exclude receipt or disposal of hazardous and PCB wastes. The facility's Hazardous Waste Exclusion Plan that includes provisions for training is included in **Appendix C**.

§521.G.1.c. Maximum days of operation per week and per facility operating day (maximum hours of operation within a 24-hour period).

Normal operating hours are from 6:30 a.m. to 4:30 p.m., Monday through Friday., and 6:30 a.m. to 12:00 p.m. on Saturday. Extended hours of operation, to accommodate holiday-shortened weeks, peak disposal periods, construction operations, or other circumstances deemed necessary for maximum utilization of the facility, are from 6:00 a.m. through 6:00 p.m., or as determined by the landfill superintendent.

The landfill is closed Sunday, and all state and federal holidays, except as described above. The access gate to the facility is manned during operating hours, and locked at all other times. No disposal, construction activities, or site entry for any other purpose is permitted without the presence of a certified landfill operator.

In the event that the facility deems necessary to operate outside the normal hours and days of operation, the appropriate LDEQ Regional Office will be notified beforehand.

§521.G.2. Administrative procedures for Type II facilities shall include the number of facility operators certified by the LA Solid Waste Operator Certification and Training Program.

Refer to **Appendix C** for a list of all certified operators at the Mundy Landfill, and their classifications. As shown on this list, the facility has the proper numbers and levels of certified operators required by **§711.C.2.b** and the Louisiana Administrative Code, Title 46, Part XXIII. Operator certificates are prominently displayed at the facility. The Board of Certification and Training for Solid Waste Disposal System Operators and the Office of Environmental Services, Permits Division will be notified within 30 days of any changes in the employment status of certified operators.

§521.H. **<u>Facility Operational Plans</u>. Standards governing facility operational plans are contained in LAC 33:VII.711.D (Type I and II landfills), LAC 33:VII.713.D (Type I and II surface impoundments), LAC 33:VII.715.D (Type I and II landfarms), LAC 33:VII.717.G (Type I-A and II-A facilities), LAC 33:VII.721.C (Type III construction and demolition debris and woodwaste landfills), LAC 33:VII.723.C (Type III composting facilities), and LAC 33:VII.725.C (Type III separation facilities).**

§521.H.1. **The following information on operational plans is required for all facilities:**

§521.H.1.a. **Types of waste (including chemical, physical, and biological characteristics of industrial wastes generated on-site), maximum quantities of wastes per year, and sources of waste to be processed or disposed of at the facility;**

As listed in the Permit Application Form, Part I, in **Appendix A**, Mundy Landfill will accept all types of solid waste that may legally be received by a Type I, Type II, or Type III facility, in accordance with the provisions of **LAC 33:VII**. Regulated hazardous waste and regulated polychlorinated biphenyl (PCB) waste will not be accepted. Hazardous wastes are those defined as such in the current Louisiana Hazardous Waste Regulations (**LAC 33:V**), and/or the Federal government under the Resource Conservation and Recovery Act as amended. PCB waste is defined by the Toxic Substances Control Act (TSCA) (40 CFR 761) as containing 50 ppm or greater of PCBs.

The types of waste to be accepted include but are not limited to:
- Residential and commercial waste,
- Construction and demolition debris,
- Yard wastes and trash,
- Industrial solid waste,
- Nonhazardous petroleum-contaminated soils and debris from underground storage tank corrective actions,
- Incinerator ash,
- Sludges,
- Properly packaged and identified noninfectious medical wastes (as certified by the Department of Heath and Hospitals),
- Asbestos.

Wastes to be specifically excluded from disposal at the landfill include the following:
- Hazardous wastes,
- PCB wastes,
- Liquid wastes,
- White goods.

All of the above listed wastes are as defined in **LAC 33:V** and **VII**. The maximum quantity of waste to be disposed at the landfill per year is <u>416,000</u> ~~385,320~~ tons. This quantity is based on the

available landfill personnel, equipment, and daily cover, and 52 weeks of operation per year.

The facility has an unlimited service area. It currently receives waste from DeSoto and Red River Parishes, and the City of Mansfield, Louisiana, various individual generators in Panola, Center and Shelby Counties in east Texas, and Waste Management, Inc.

§521.H.1.b. Waste-handling procedures from entry to final disposition, which could include shipment of recovered materials to a user;

Practices prohibited in **§711.D.1** of the SWRR, including burning of waste, salvaging (by other than landfill personnel), scavenging, livestock grazing, and the disposal of medical wastes, liquid wastes, hazardous waste, unpermitted waste, and PCB waste, are not allowed at Mundy Landfill. A Hazardous Waste Exclusion Plan, which describes the procedures followed by landfill personnel to prevent disposal of non-permitted wastes, including random inspections, is included in **Appendix C**. All non-acceptable wastes are denied entry and returned to their sources.

Upon entering the landfill, all waste is weighed and classified by the landfill operator at the scales/office building. The building is designed to enable the operator to monitor all traffic into and out of the facility, and prevent any unauthorized or unknown entry. The west side of the building, which faces the scales, includes a large window which provides the operator view of the scales and the site entrance. Scales are two-way, allowing trucks to be weighed upon entering and departing the site, to determine and record waste loads.

Classification of the waste includes verification of its source. Waste loads deemed acceptable, i.e., exclusive of those materials described above as prohibited, are designated "putrescible" or "non-putrescible," according to content, and directed to the appropriate active tipping face by landfill operators. Vehicles carrying industrial waste proceed to the industrial waste QA/QC area. The process for industrial waste acceptance and disposal are discussed in the Industrial Solid Waste Disposal Plan, presented in **Appendix C**. All other vehicles transporting solid waste leave the scales and proceed to the working face via the all-weather primary access road and temporary active face access roads. Upon reaching the face, landfill personnel direct the unloading in the appropriate location. Such location is recorded according to the horizontal and vertical controls of the site where appropriate. After the vehicle is unloaded, it departs the site, and the waste is spread and compacted by a steel-wheeled compactor.

The utilization sequence of each disposal cell is determined by the landfill superintendent and varies, depending upon its shape, grading, construction phasing, and the stormwater runoff pattern. The active disposal area is delineated and earthen diversion berms installed to divert uncontaminated stormwater around and away from the active area, and to contain rainfall within the active area as contaminated runoff. These berms are inspected daily and after all rain events for damage and acceptable performance, with any deficiencies being immediately corrected. A collection device is installed and connected to the leachate collection piping for the conveyance of contaminated stormwater to the treatment plant. A working face access road is constructed, and waste disposal begins.

Drawing **DSW-GP-06,** presented in **Appendix C** and **Appendix N**, depicts the advance of the active disposal face. Waste is deposited and compacted in lifts, to a total height of approximately ten feet above the compacted clay liner or previously deposited waste. Compaction is achieved by making several passes over the waste by a steel-wheeled compactor or dozer. Upon reaching a height of ten feet or that matching the surrounding disposal elevations, disposal operations are moved to the

bottom of the ten-foot lift, advancing the face of the disposed wastes, or relocated to another area. All storm water diversion and containment berms are relocated, as necessary to ensure control of all runoff.

At the end of each day of operations, a daily cover consisting of an alternate daily cover (see **§521.F.3.a** above) or six inches of soil (refer to **§521.F.3.b** above) is placed over the compacted waste, in compliance with **§711.B.2**. This daily cover minimizes the breeding of disease vectors, such as flies, mosquitoes, and rats; controls leachate generation by reducing the moisture infiltration; reduces fire hazard potential; minimizes windblown litter; reduces odors; maintains an aesthetically pleasing appearance for the landfill; and ensures accessibility during any kind of weather. Temporary relocation of disposal operations to another area in the cell will be reason to install interim cover of compacted clay over the disposed wastes. As individual areas are filled to the desired or permitted level, closure procedures (see **§521.J.2.a** below) are followed.

Leachate and contaminated storm runoff collection is performed by a gravity sewer system consisting of perforated piping immediately above the composite cell liner. Gravity flow is justified by the topography of the site, the types of soils, and the cost of purchase, installation, operation, and maintenance of pumping equipment. Contaminated water percolates downward through the sand filter above the liner, the geotextile filter fabric below the filter, and the crushed stone piping embedment prior to reaching the collection pipe, removing the majority of particulate matter and keeping it inside the disposal cell. The piping is designed, permitted, and installed in accordance with the SWRR and current engineering practice for sewer design. An as-built survey and drawing is prepared by a licensed professional engineer after completion of the work and submitted to the LDEQ as part of the construction certification documentation, verifying conformance with the permitted design. Computations for flow volumes are provided in **Appendix J**.

Leachates and contaminated stormwater runoff generated by the landfill are diverted to the wastewater treatment plant. This facility consists of an oxidation pond and two polishing ponds, with equipment allowing the control of the water level in the basins and temporary diversion of flow around individual basins to provide for maintenance. The plant is designed to accommodate the constant leachate flows from the disposal cells and the storm runoff from the active disposal areas, with sufficient storage capacity to contain runoff from the 24-hour, 25-year storm. The five feet of freeboard between the maximum normal operating level of the lagoons and the top of the oxidation levees and tank walls are used for temporary storm detention and to prevent the overtopping of the lagoon and tanks from wind and wave action. The plant is sited in a low area of the landfill site, surrounded by waste disposal cells on the east and south, the elevated property to the west, and trees and vegetation immediately to the north. These features of the area tend to screen the lagoon and tanks from wind and the adverse effects of storms to prevent overtopping by contents of the lagoon and tanks by wave action.

Uncontaminated stormwater runoff from new disposal cells and other areas not being used for waste disposal is channeled to the sedimentation pond(s) at the north end of the site. Runoff is detained in the pond(s) to allow the eroded silt being carried by the runoff to settle to the bottom of the pond(s), with the water exiting the pond(s) and the site to the north. This facility prevents the

deposition of silt materials in the waterways surrounding the landfill, and serves as a source of non-potable water for soils conditioning, dust reduction, irrigation, fire fighting, and vehicle washing.

An open dumpster is maintained outside the facility entrance for the after-hours deposit of residential garbage. This dumpster is hauled within the facility for disposal of its contents within a lined waste disposal cell as it becomes full, but at least once each day. The area around the dumpster is inspected daily, cleaned when necessary, and monitored to prevent unauthorized salvaging or scavenging.

Mundy Landfill is permitted for the disposal of asbestos materials. Generators must inform the landfill a minimum of 24 hours prior to shipment that a load of a certain size is to be deposited. According to the permit modification allowing asbestos disposal, landfill personnel excavate a hole sufficient to contain the load to be received, stockpiling the excavated material to be used for cover material. Upon arrival at the site, the vehicle is weighed and recorded in the usual manner, and the load is inspected by trained landfill personnel wearing the proper safety equipment. Such inspection is performed to ensure that the asbestos to be disposed is contained in unbroken bags of the proper type. The vehicle is directed to the appropriate asbestos disposal area, where the refuse is off-loaded in such a manner that the bags are not damaged. Upon completion, the vehicle is removed, and the asbestos is covered in accordance with the permit. During the entire procedure, everyone within the asbestos disposal area, whether involved with the dumping process or not, is required to wear the appropriate safety equipment. A copy of the Asbestos Disposal Plan is provided in **Appendix C**.

Mundy Landfill participates in recovery of recyclable materials as far as is possible with its limited equipment and personnel. White goods are segregated at the landfill and delivered to a metal recycler in Shreveport at least every 30 days. A log of white goods received and recycled, including dates and volumes, is kept at the landfill (see **Appendix C** for a copy of the record keeping form). The DeSoto Parish Police Jury also has placed recycling bins at locations throughout the parish, mostly for newspaper, but occasionally for other materials, also. These materials are delivered to the BFI recycling facility in Shreveport.

§521.H.1.c. Minimum equipment to be furnished at the facility;

The Mundy Landfill has the following equipment necessary for the disposal of the permitted quantities and types of incoming wastes:

Compactor	1 unit	Bush Hog Tractor	1 unit
Bulldozer	1 unit	Loader	1 unit
Motor Grader	1 unit	Scraper Tractor	1 unit
Backhoe	1 unit		

Other equipment is available for use on a shared basis from other departments of the DeSoto Parish Police Jury, which owns the permit and the facility and operates the landfill. Such equipment, usually provided by the Public Works Department, includes a water tank truck, multi-purpose maintenance vehicles, heavy equipment, and pick-up trucks. Such equipment is mobilized at the landfill on an as-needed basis. The Public Works Department also provides personnel, equipment, transportation, and facilities, as necessary, for the maintenance and repair of all landfill vehicles and equipment.

§521.H.1.d. Plan to segregate wastes, if applicable;

Inspection of incoming waste hauling vehicles at the scales at the site entrance determines whether the waste is acceptable and either putrescible, non-putrescible, or industrial. Unacceptable waste is denied entry and returned to its source. Putrescible waste is directed to the currently active lined disposal cell. Industrial waste loads are directed to the QA/QC building for further inspection then to the currently active disposal cell (see Industrial Solid Waste Disposal Plan, **Appendix C**). Non-putrescible waste is deposited at the construction debris and trash (CD&T) area. Random inspection of incoming waste-hauling vehicles is utilized to ensure that unauthorized wastes are not brought onto the site. This procedure involves the staged off-loading of the wastes in the vehicle in an isolated and lined area, where the wastes can be inspected (see Hazardous Waste Exclusion Plan, **Appendix C**).

Recyclable materials are segregated and stored separately on-site until enough are accumulated for delivery to the local recycle centers. White goods are sent to metal recycler in Shreveport. Newspapers and other miscellaneous materials are sent to a recycler in Shreveport. Refer to **Appendix C** for a copy of the typical white goods storage log.

§521.H.1.e. Procedures planned in case of breakdowns, inclement weather, and other abnormal conditions (including detailed plans for wet-weather access and operations);

The landfill superintendent consults with the Director of Public Works to determine what effect breakdowns and downtime will have on the daily operation. There is typically suitable equipment at the facility to substitute for the broken unit while the mechanic effects repairs. In situations when proper operations at the landfill cannot be continued, similar equipment is mobilized from the DeSoto Parish Road Department until the landfill equipment is fixed. Vehicle breakdowns are repaired onsite, if possible, with landfill personnel, facilities, and equipment, or with people and materials sent to the landfill from the Roads Department. Onsite maintenance and repairs are performed in such a manner to prevent the spillage of fuels, oils, and other materials. Such spills are immediately contained and cleaned to prevent seepage into the ground or migration offsite. In instances where the vehicles cannot be maintained or repaired onsite, they are taken or transported to the facilities at the Roads Department.

Normal wet weather typically does not affect daily operations at Mundy Landfill. Maintenance of crowned and drained access roads, which are built up above surrounding areas, ensure the continuation of operations. The roads themselves are constructed in such a manner that blading of the top few inches of rain-saturated materials leaves a hardened road surface suitable for equipment and hauling vehicles. Equipment and personnel are kept available for the extrication of any vehicles that become mired during dumping. The diversion and containment berms and leachate collection piping are designed and constructed to control all stormwater runoff.

The wastewater treatment plant is designed to preclude adverse effects from storms. Sufficient capacity is available for treatment of the constant leachate flow from the closed disposal cells, with additional storage available to detain contaminated stormwater runoff from the active disposal areas, up to and including runoff from the 24-hour, 25-year storm. Five feet of freeboard is designed between the maximum operating level of the ponds and the tops of the levees and walls, such space being provided for stormwater detention and preclusion of spillage of pond contents due to wind and wave action. The siting of the treatment plant in a low area of the property, surrounded by higher elevations, disposal cells, and trees, also contributes to the protection of the facility from storms, wind, and wave action. Vegetation which would obstruct access to, proper operation of or maintenance of the treatment plant is removed.

Adverse weather operational procedures include the inspection of the site and all features after all storms to determine the extent of any damage, and the immediate repair of any damage found. The wastewater treatment plant receives additional inspection to determine evidence of damage or overtopping of the containment barriers, malfunctions, or improper operation. Determination of the causes of such incidents is made, corrected, and reported to the LDEQ.

Training programs at Mundy Landfill include the recognition and methods of addressing abnormal and emergency conditions. Refer to **Appendix C**.

§521.H.1.f. Procedures, equipment, and contingency plans for protecting employees and the general public from accidents, fires, explosions, etc., and provisions for emergency care should an accident occur (including proximity to a hospital, fire and emergency services, and training programs);

The approved Emergency Response Plan and a roster of emergency telephone numbers is located in **Appendix C**. This Plan describes the necessary procedures to determine that a problem situation exists, its containment, whom to inform, and the measures to be taken to prevent its recurrence. This Plan includes the training of landfill personnel in landfill operations, equipment operation and maintenance, safety, and proper monitoring procedures. All landfill personnel are kept informed of changes in the Plan, and are trained in the proper procedures to follow in case of site problems, including which emergency agencies need to be notified and in what manner.

The location of the landfill in rural DeSoto Parish minimizes the possibility that a hazardous situation at the site will affect the general public, since there are no homes or businesses in the immediate vicinity. The site layout maximizes the distance of the disposal operations from the frontage highway, reducing the possibility that problems at the facility will adversely affect traffic along the road. Landfill monitoring procedures, such as those for landfill gases and surface and groundwater, discover problems prior to their migration outside the site borders, and enable the operator to contain and correct the problems before the general public is affected.

The local fire department and emergency medical service have the ability to meet NFPA Section 472, "Standard on Professional Competence of Responders to Hazardous Incidents," and Section 473, "Standard for Competencies for EMS Personnel Responding to Hazardous Materials Incidents." The local hospital is unable to accept and treat patients who have been contaminated with hazardous materials. Therefore, a request for certification was sent to a nearby facility, Louisiana State University (LSU) Medical Center, School of Medicine at Shreveport. The LSU Medical Center is able to provide the necessary treatment. Copies of the certifications from DeSoto Parish Fire District #8, Balentine Ambulance Service, and LSU Medical Center at Shreveport are included in **Appendix C**.

§521.H.1.g. Provisions for controlling vectors, dust, litter, and odors.

Food, harborage, and breeding areas are denied to disease vectors (birds, rodents, insects, etc.) through daily site inspections, the application of daily, interim, and final covers, and utilization of approved pesticides. Daily, interim, and final covers are described in **§521.F.3.a** and **§521.F.3.b**.

All pesticides are selected and applied by a licensed commercial pesticide applicator. The frequency of application is such to provide effective control without exceeding recommended rates and dosages on the product label. Records of applications and the materials utilized are maintained at the operator's building. Application is monitored and controlled to ensure that pesticide use does not contaminate the surrounding waterways, or otherwise adversely affect the environment.

Dust is controlled by the establishment of vegetation and by the application of water. Neither procedure is used on open disposal faces or anywhere else within an active cell, or in such a way that such practices would increase the generation of contaminated water requiring treatment, or otherwise inhibit proper site operations. All areas of the site outside the active disposal cells, including the closed disposal cells, are vegetated to reduce dust and erosion, control stormwater, provide an aesthetically pleasing appearance to the landfill, and to meet the requirements of the SWRR. Procedures for the exclusion of water from active disposal cells are included in **Appendix E**.

Litter control is accomplished through the application of daily and final covers on all waste materials introduced to the landfill. Additional procedures include the use of temporary netwire litter control fences downwind from the tipping area, which are only utilized on windy days. The policing of the area by landfill personnel to recover any litter escaping the active working face is also used for litter control. Such cleanup is also performed at the dumpster at the site entrance which is used for after-hours waste disposal.

The siting of the facility in a very rural area is the most effective control for odors. There are few residences in the immediate area. Landfill gases being vented to the atmosphere are dispersed by prevailing winds before they become a nuisance. Daily and final covers over deposited wastes are the only active procedures being used to control odors. Landfill personnel are also trained to be alert for the presence of odors during daily operations. The Landfill Gas Monitoring Procedure (see **Appendix C**) describes the methods used at Mundy Landfill to control gas emanations from the site.

§521.H.2. The following information on operational plans is required for Type I and II facilities:

§521.H.2.a. A comprehensive operational plan describing the total operation, including (but not limited to) inspection of incoming waste to ensure that only permitted wastes are accepted (Type II landfills must provide a plan for random inspection of incoming waste loads to ensure that hazardous wastes or regulated PCB wastes are not disposed of in the facility.); traffic control; support facilities; equipment operation; personnel involvement; and day-to-day activities. A quality-assurance/quality-control (QA/QC) plan shall be provided for facilities receiving industrial waste; domestic-sewage sludge; incinerator ash; friable asbestos; nonhazardous petroleum- contaminated media; and debris generated from underground storage tanks [UST], corrective action, or other special wastes as determine by the administrative authority. The QA/QC plan shall include (but shall not be limited to) the necessary methodologies; analytical personnel; preacceptance and delivery restrictions; and appropriate responsibilities of the generator, transporter, processor, and disposer. The QA/QC plan shall ensure that only permitted, nonhazardous wastes are accepted;

Incoming Waste Inspection: Refer to **Appendix C** for a description of the procedure for the exclusion of hazardous and unpermitted wastes. This procedure involves the random inspection of incoming waste-hauling vehicles and describes the procedures to be followed for preventing the disposal of unauthorized waste materials at Mundy Landfill.

Industrial Waste Acceptance and Disposal: Mundy Landfill is permitted to accept industrial solid waste for disposal. The Industrial Solid Waste Disposal Plan is presented in **Appendix C**.

Asbestos Disposal: Mundy Landfill is permitted for asbestos disposal and has two areas on site dedicated to such waste only. A copy of the Asbestos Disposal Plan can be found in **Appendix C**.

Traffic Control: Traffic is directed to the appropriate area for disposal operations before departing the scales. Signage is provided when necessary. Disposal operations are facilitated by the waste control grid, which consists of signage along the primary access road with north-south and east-west stationing for direction of traffic to the active tipping face. The maximum volume of traffic is approximately four to six vehicles per hour, which is insufficient to require additional features. Additional traffic control will be provided as and when it becomes necessary, to facilitate safe and efficient operations, and ensure that landfill operations do not constitute a hazard to traffic on U.S. Highway 84. The DeSoto Parish Police Jury, owners of the site and the permit holder and operator of the landfill, also have the responsibility for parish vehicular traffic safety and maintenance of the roads.

Support Facilities: On-site support facilities for disposal operations include the office/scales building, an equipment washpad and storage shed, sedimentation ponds for desiltation of otherwise uncontaminated surface runoff, and the treatment plant for treatment of wastewater, including

leachate. The landfill superintendent also has access to additional equipment, facilities, and personnel from other DeSoto Parish Police Jury departments on an as-needed basis.

Equipment Operation: All equipment described in **§521.H.1.c** is operated only by trained operators. Personnel must be certified by the Director of Public Works prior to operating any equipment at Mundy Landfill. Training is comprehensive, and ensures that equipment operators are aware of proper procedures for operation and safety.

Personnel Involvement: Training of site personnel is discussed in the Emergency Response Plan found in **Appendix C**. Pertinent recommendations offered by landfill employees concerning daily operations are considered, and accepted when appropriate. All landfill personnel are required to attend safety meetings, and are encouraged to pursue certification as operators.

Daily Activities: Operations conducted on a daily basis include the recording and admitting of incoming vehicles; compacting and covering deposited waste material; hauling the parish compactor units to and from the landfill for disposal; hauling cover material from the borrow area; general office duties; blading the temporary access roads; equipment maintenance; site inspections; and general clean-up. A copy of a Daily Activity Report is included in **Appendix C**. These reports, and similar forms for individual activities, are kept on file at the operator's building.

§521.H.2.b. Salvaging procedures and control, if applicable;

Salvaging is performed only by landfill personnel. Materials that can be economically recycled are salvaged during or after dumping by the trash hauler, and before compacting. Salvaged materials are placed in an open dumpster and periodically hauled to local recycling centers for white goods and newspaper in Shreveport.

§521.H.2.c. Scavenging control.

Scavenging is prohibited at Mundy Landfill. Unauthorized individuals are not allowed access to the disposal cell areas, whether they are closed or open. The open dumpster at the facility entrance, which is used for after-hours disposal of small loads of residential garbage, is monitored from the landfill office. No one is allowed in the dumpster, or to remove disposed materials from it.

§521.H.3. The following information on operational plans is required for Type I and II landfarms:

Mundy Landfill is not a landfarm. This regulation does not need to be further addressed.

§521.H.4. The following information on operational plans is required for Type I-A and II-A incinerator waste-handling facilities and refuse-derived energy facilities:

Mundy Landfill is not a Type I-A or Type II-A waste-handling facility nor a refuse-derived energy facility. This regulation does not need to be further addressed.

§521.H.5. The following information on operational plans is required for Type I-A and II-A refuse-derived fuel facilities and Type III separation and composting facilities:

Mundy Landfill is not a Type I-A or Type II-A refuse-derived fuel facility nor a separation or composting landfill. This regulation does not need to be further addressed.

§521.H.6. The operational plans for Type I-A and II-A refuse-derived fuel facilities and Type III separation and composting facilities must include a description of marketing procedures and control.

Mundy Landfill is not a Type I-A or Type II-A refuse-derived fuel facility nor a separation or composting facility. This regulation does not need to be further addressed.

§521.H.7. The operational plans for Type I and II facilities receiving waste with a potential to produce gases must include a comprehensive air monitoring plan.

An Initial Design Capacity Report for this facility, a copy of which is included in **Appendix J** of this document, was submitted and accepted by the LDEQ in 1996. This report demonstrates that Mundy Landfill does not generate sufficient landfill gas to warrant the installation of active controls for the removal and disposal gas. The passive system installed in all waste disposal cells for the removal of landfill gas is monitored by site inspections with gas monitors to ensure the maintenance of gas concentrations in buildings and elsewhere at the site within the explosive limitations stipulated in the SWRR, and to prevent migration of gases beyond the borders of the site. Landfill personnel are trained in the detection of landfill gas during daily operations, with and without monitoring equipment, and in safety and reporting procedures. The Landfill Gas Monitoring Procedure is outlined in **Appendix C**.

§521.I. **Implementation Plan. Standards governing implementation plans are contained in LAC 33:VII.709.D (Type I and II facilities), LAC 33:VII.717.H (Type I-A and II-A facilities), and LAC 33:VII.719.E (Type III facilities).**

§521.I.1. **The implementation plans for all facilities must include the following:**

§521.I.1.a. **A construction schedule for existing facilities which shall include beginning and ending time-frames and time-frames for the installation of all major features such as monitoring wells and liners. (Time-frames must be specified in days, with day one being the date of standard permit issuance);**

Construction proposed under this permit renewal application includes the abandonment of existing groundwater monitoring wells determined to be no longer necessary by the 1996 subsurface investigation; the installation of new groundwater monitoring wells; and, the closure of Cell VI.

~~Construction activities related to the groundwater monitoring system will commence once final approval of this Permit Renewal Application is received.~~

Section **§521.J.1.b** below describes the procedures for closing individual disposal cells. This procedure includes notification of the LDEQ and submittal of a construction schedule for each closure to be performed. Putrescible Waste Disposal Cells I - V were closed on December 31, 1997, upon completion of Phase 2 of Cell VI. Capping was performed in 1998 by Mundy Landfill, LLC (MSL), the private operations company that leased the landfill from June, 1998 until July, 1999, but MSL failed to perform the required surveys to verify the thickness of the caps. Upon taking over the landfill in 1998, after MSL defaulted on their contract, the DeSoto Parish Police Jury (DPPJ) reached agreement with the LDEQ to perform shallow soil boring on a random spacing and frequency of at least two per acre to verify the caps. The DPPJ installed the landfill gas removal piping in Cells I - V. Trenching of the caps for installation of the piping provided thickness confirmation in those areas, allowing the borings to be used in other areas and maximizing the areas of the cap checked for proper cap thickness.

~~Design and permitting of Phase 4 of Cell VI and Phase 2 of Cell VII, consisting of the extension of the composite liner up the closed and capped side slopes of existing cells, may begin as Cell VII, Phase 1 nears capacity. LDEQ approval is expected to require no more than six months following submittal of permitting and design documents.~~ The DPPJ is submitting Modification No. 1 which proposes ~~also considering~~ expanding disposal operations by developing a portion of the 160-acre property immediately west of the existing landfill (Cells I - VII) into ~~site as~~ a new landfill. This expansion, Cell VIII and Sedimentation Pond #3, occupies less than 40 acres of the 160-acre tract. Construction of Cell VIII is expected to begin as Cell VII nears capacity.

§521.I.1.b. Details on phased implementation if any proposed facility is to be constructed in phases.

As discussed in **§521.I.1.a** above, Cells VI is ~~and VII are~~ designed to be constructed in phases. Phases 1 through 3 of Cell VI ~~and Phase 1 of Cell VII~~ have been constructed. ~~Phase 4 of Cell VI and Phase 2 of Cell VII may be designed and permitted as Cell VII nears capacity.~~ Cell VIII will be constructed in stages. Cell VIII will have a total life of about 30 years; see response to **§521.J.2.d.**

§521.I.2. The implementation plans for Type I and II facilities must include a plan for closing and upgrading existing operating areas if the application is for expansion of a facility or construction of a replacement facility.

This document applies for renewal of the existing solid waste disposal permit for Mundy Landfill. The site has previously been upgraded by the construction of Phases 1 and 2 of Subtitle D Cell VI and the improved wastewater treatment plant in 1997, and continued with Phase 3 of the permitted Cell VI and Phase 1 of Cell VII.

The construction debris and trash area (CD&T-S) was closed and capped in 1997, with disposal operations re-commencing in 1998. A second construction debris and trash area (CD&T-N) was permitted in 2007.

Non-Subtitle D Cells I - V were closed at the end of 1997 with the opening of Cell VI. Capping was performed in 1998 by Mundy Sanitary Landfill, LLC (MSL), the private operations company that leased the landfill from June, 1998 until July, 1999, but MSL failed to perform the required surveys to verify the thickness of the caps. Upon taking over the landfill in 1998, after MSL defaulted on their contract, the DeSoto Parish Police Jury (DPPJ) reached agreement with the LDEQ to perform shallow soil boring on a random spacing and frequency of at least two per acre to verify the caps. The DPPJ installed the landfill gas removal piping in Cells I-V. Trenching of the caps for installation of the piping provided thickness confirmation in those areas, allowing the borings to be used in other areas and maximizing the areas of the cap checked for proper cap thickness.

~~Design and permitting of Phase 4 of Cell VI and Phase 2 of Cell VII, consisting of the extension of the composite liner up the closed and capped side slopes of existing cells, may begin as Cell VII, Phase 1 nears capacity. LDEQ approval is expected to require no more than six months following submittal of permitting and design documents.~~ As mentioned above, the DPPJ is also ~~considering~~ submitting Modification No. 1 which proposes expanding disposal operations by developing a portion of the 160-acre property immediately west of the existing landfill (Cells I - VII) into ~~site as~~ a new landfill. This expansion , Cell VIII and Sedimentation Pond #3, occupies less than one-third of the 160-acre tract. Construction of Cell VIII is expected to begin as Cell VII nears capacity.

Active areas will be closed as they reach capacity in accordance with this permit and the SWRR. All future expansions beyond Cell VIII will be presented to the LDEQ as a major modification. No expansion beyond Cell VIII will be constructed prior to official LDEQ approval.

§521.J. **Facility Closure. Standards governing facility closure are contained in LAC 33:VII.711.E (Type I and II landfills), LAC 33:VII.713.E (Type I and II surface impoundments), LAC 33:VII.715.E (Type I and II landfarms), LAC 33:VII.717.I (Type I-A and II-A facilities), LAC 33:VII.721.D (construction and demolition debris and woodwaste landfills), LAC 33:VII.723.D (Type III composting facilities), and LAC 33:VII.725.D (Type III separation facilities);**

§521.J.1. **The closure plan for all facilities must include the following:**

§521.J.1.a. **The date of final closure;**

The history of closure for Cells I - V was discussed in the Response to **§521.I.2**.

Cell VI had a service life of five years, as designed, constructed, and permitted, resulting in a closure date for the cell and the landfill of ~~January~~ March 2003.

Phase 1 of Cell VII, exists along the original western property line, north of Cell V and west of Cells II - IV. It was designed and constructed in 2001-2003. This eight-acre cell is over 80 feet deep, and ~~will~~ was expected to provide seven to eight years of disposal life to the landfill. The recent Solid Waste Disposal Annual Reports submitted for the Mundy Landfill, indicate average MSW disposals totaling 28,489 tons per year, (about 100 tons per operating day) yields a life of seven years, eight months for the 218,075-ton capacity of Cell VII, Phase 1. At ~~this~~ that rate, Cell VII, Phase 1 extends ~~will extend~~ the life of the landfill with an approximate closure date of December, 2010. However, ~~N~~new contracts and the newly approved modification to accept industrial waste ~~will~~ have increased the rate of consumption of available airspace. ~~However, the certification to begin disposal operations in Cell VII, Phase 1 has provided the DPPJ ample time to design and permit Cell VI, Phase 4; or design and permit Cell VII, Phase 2; or, develop the 160-acre property immediately west of the existing landfill site as a new landfill. No schedule has been established for these improvements.~~ The permitting of Cell VIII extends the landfill's life to approximately 2039.

Closure of the wastewater treatment plant cannot be performed until the end of the 30-year post-closure period. The plant will continue to treat leachate generated from the closed disposal cells beyond the date of closure of all cells. At this time, the date of closure of the treatment facility is 2069 ~~2040~~, assuming that the landfill closes in 2039 ~~2010~~.

§521.J.1.b. The method to be used and steps necessary for closing the facility;

Upon exhaustion of all available permitted disposal space, all cells and appurtenant facilities of the Mundy Landfill, not required for post-closure, shall be closed. **Appendix L** contains the Closure Plan for the facility. This plan details closure as permitted in this application. The plan will be reviewed six months prior to the date of intended closure to determine any changes that need to be made. Notification of intent will be forwarded to the administrative authority no later than 90 days prior to the date of final closure of the facility. This notification will cite the actual final closure date, any further changes or additions to the closure method, anticipated closure costs, or closure procedure described herein, and the anticipated schedule.

The DeSoto Parish Police Jury will update the parish mortgage and conveyance records concerning the site to indicate the locations of the disposal cells, and specify that these areas were used for solid waste disposal. The form to be used for this will conform to the example in Appendix F of the SWRR, will identify the name and address of the person(s) to contact concerning the contents of the site, and will be filed with the DeSoto Parish Clerk of Court. A sample is enclosed as the attachment to the Closure Plan, presented as **Appendix L** and also in **Appendix C**. A certified copy of the filed document will be submitted to the LDEQ.

The facility closure will be performed in such a manner as to minimize the need for further maintenance, and maximize the protection of human health and the environment. This procedure will include the required inspection and acceptance of the closed facility by the LDEQ inspectors and the recording in parish records of the necessary document describing the site as a closed sanitary landfill.

Putrescible waste disposal cells are closed as they reach the maximum permitted elevation for disposal. A closure plan is attached as **Appendix L**. The permit owner will notify the LDEQ in writing a minimum of 90 days prior to initiating closure activities. This notification of intent to close shall include the intended date of closure, any required changes to the approved and permitted closure plan, and the schedule and estimated cost of closure activities. The procedure for cell closures will be as presented below.

<u>CELLS I - V:</u>
Non-Subtitle D Cells I - V were closed at the end of 1997 with the opening of Cell VI. Closure caps for these cells are required to be at least 24 inches of compacted clay, according to the landfill permit. Capping was performed in early 1998 by Mundy Landfill, LLC (MSL), the private operations company that leased the landfill from June, 1998 until July, 1999, but MSL failed to perform the required surveys to verify the thickness of the caps. Upon taking over the landfill in 1998 after MSL defaulted on their contract, the DeSoto Parish Police Jury (DPPJ) informed the LDEQ of the problem and reached agreement with the Department to perform shallow soil borings on a random spacing and frequency of at least two per acre to verify the cap thicknesses. The DPPJ completed installation of the landfill gas removal piping in Cells I - V, in November, 1999. Daily inspections for disease vectors has revealed no problem with these nuisances in Cells I - V.

CELL VI:

~~Cell VI, as currently designed and constructed, will close in early 2003.~~ Closure of putrescible Waste Disposal Cell VI will be performed according to ~~§711.A~~ §711.E. The closure of Cell VI in accordance with the SWRR will minimize the need for post-closure maintenance and prevent post-closure release of leachate to surface or ground waters.

Preclosure will include removal of any standing water; modification and maintenance of the runoff diversion and containment system until the final cap is completely installed; modification of the runoff diversion and containment system as required to protect adjoining areas; insect and rodent inspection and any necessary extermination measures; final compacting and grading of waste materials; installation of a landfill gas collection and removal system; and placement of the final daily and interim covers, as described in **§521.F.6** above. Installation of the final caps will be as described in **§521.J.2.a** below. Completion of cell closure activities is followed by notification to the LDEQ concerning the closure, including submittal of all documents required by the LDEQ. Closure activities will be initiated within 30 days and completed within 90 days of the cessation of disposal operations. These deadlines may be extended by the LDEQ due to inclement weather or other unforeseeable circumstances.

The final cap will consist of a two-foot compacted clay layer installed over the entire area requiring closure. A 60-mil high density polyethylene (HDPE) geomembrane, similar to the component in the composite liner, will be installed over the clay cover. Above this cap, an erosion layer will be placed. Installation of this composite cap will be monitored by the quality assurance/quality control (QA/QC) engineer for conformance to the QA/QC specifications, the current version of which is contained in **Appendix K**. Testing will be performed by the QA/QC Engineer to verify a completed construction which meets or exceeds the permeability requirements of the SWRR. Upon completion of closure activities, all as-built and testing information will be submitted to the LDEQ for review. Upon inspection and approval by the LDEQ, the final cover will be planted and/or seeded with an appropriate ground cover to minimize erosion.

Closure of the cell will begin with the installation of the landfill gas removal system. Cell VI is illustrated on **Sheet 27** and **Sheet 28** in **Appendix O** and described in **§521.F.6**. The perforated piping, will be laid in trenches cut through the daily/intermediate cover and into the top of the disposed wastes. These trenches will be filled with hand-placed and compacted crushed stone, which will envelope the gas system piping. Vents will be installed to protrude through the final cap on intervals of no more than 100 feet.

The compacted clay cover will be installed upon completion of the daily/intermediate cover. Clay materials will be placed in lifts of no more than eight inches, and compacted above optimum moisture content to final thicknesses of six inches, or as required to meet the SWRR permeability requirements. Compaction equipment and methods will result in a hydraulic conductivity of less than 1×10^{-7} cm/sec for the completed clay cap, as verified by testing performed by the QA/QC engineer. QA/QC procedures are given in Section 02222 of the "Specifications," in **Appendix K**.

The HDPE geomembrane will be installed on top of the compacted clay cover. Installation crews

provided by the material supplier and with at least five years experience in installation of HDPE liners and caps will be utilized. QA/QC requirements for the HDPE geomembrane are given in Section 07181 of the "Specifications," presented as **Appendix K**. The geomembrane will be sealed around the landfill gas riser vents to prevent moisture infiltration at these points. This will complete a cap installation which meets or exceeds the impermeability of the cell liner.

A minimum of 18 inches of topsoil will be placed, graded, and prepared for seeding above the completed cap. Slopes of the final cover will not exceed four horizontal to one vertical (4H:1V) on the sides, as required by the slope stability computations in **Appendix J**, and will maintain at least four percent on the top to facilitate runoff. Upon final inspection and acceptance by the LDEQ, the topsoil will be seeded and watered to establish erosion control vegetation. The erosion control vegetation selected will be approved by the LDEQ prior to seeding.

CELL VII, PHASE 1 and CELL VIII:

Preclosure for ~~this~~ these units will be the same as described above for Cell VI. Closure will include installation of the landfill gas removal system illustrated on **Sheet 27** of **Appendix P** for Cell VII and on drawing **STE-S8** of **Appendix S** for Cell VIII. The final cover will be as described above for Cell VI, except that the 60-mil HDPE layer will not be used on the 1(V):3(H) side slopes. The topsoil layer for ~~this~~ these units will be six inches thick. Slope stability calculations are included in **Appendix J** for Cell VII and in **Appendix S** for Cell VIII, and indicate adequate stability of the 1(V):3(H) side slope. Closure activities pertinent to Phase 1 of Cell VII and Cell VIII are given in the Closure Plan, **Appendix L**.

WASTEWATER TREATMENT PLANT:

Landfill personnel will continue to operate the treatment plant to which the leachate from the closed cells will flow, and will monitor the closed cells in accordance with the post-closure requirements for the facility. Closure of the treatment plant will be performed at the end of the post-closure period, to allow continued treatment of leachate during this time. Closure will conform to the requirements of ~~§713.A~~ §711.E of the Solid Waste Rules and Regulations. If needed, an updated closure plan will be submitted to LDEQ for approval. Notification will be made to the LDEQ in writing at least 90 days of time of the intention to close the plant. Such notification will include the intended date of closure, any changes necessary to the approved landfill closure plan, and the anticipated closure schedule and estimated costs.

Closure will commence with the drawdown of the contents of the ponds, in a manner to conform to all requirements of the ~~NPDES~~ LPDES and state water discharge permits for effluent quality. As part of the drawdown and drainage of the plant, samples will be taken and testing performed to analyze the effluent. This analysis will follow the typical requirements of the Sampling and Analysis Plan of the standard solid waste disposal permit for this landfill. Upon completion of drainage of the plant, the compacted clay oxidation pond liner will be de-silted and excavated, all materials being disposed in a properly licensed industrial waste facility. The concrete polishing ponds, the control structures and manholes, and the transfer piping will all be excavated and removed, to be disposed in a properly licensed industrial waste facility. Leachate transmission piping into the plant will be plugged with a minimum of two feet of concrete and a welded cap of compatible material and then

abandoned in place, or removed in its entirety and disposed of in a properly licensed industrial waste facility. Clean fill will be brought in and used to fill the excavation pits for the ponds, with final grading to facilitate positive drainage to the nearest water courses and maintain the existing runoff patterns, and vegetation to establish erosion control.

Additional fencing, with a locked gate, will be installed around the treatment plant, with posted signage to deter unauthorized entry and warn of potential dangers. The plant outfall will have a locked valve to preclude tampering or unauthorized drainage of the pond, and the fencing will extend around the outfall to further hinder unauthorized access. This fencing will remain in place until the treatment plant is dismantled and removed at the end of the post-closure period.

SEDIMENTATION PONDS:

The surface water ponds constructed for the containment and sedimentation of uncontaminated surface runoff will remain as a permanent unfenced impoundments, for use as wildlife habitat and maintenance water source.

SITE:

Existing buildings, roads, and facilities will remain in use as long as they are needed through the closure and post-closure periods. As individual features are no longer required, they will be removed or otherwise abandoned. Existing fencing will remain in place until notification that it is to be removed is submitted to and approved by the LDEQ. The gate at the site entrance will be kept locked, except during periods of inspection, maintenance, or other entry by authorized personnel during the post-closure period.

During the post-closure period, manholes and cleanouts on the leachate collection and transmission system will be modified to provide locking covers to prevent unauthorized access. After post-closure, leachate transmission piping will be plugged with a minimum of two feet of concrete and a welded cap of compatible material and then abandoned in place, or removed in its entirety and disposed of in an industrial waste landfill. The contaminated stormwater system from the Cells I - V to the treatment plant was abandoned in 1997 as part of the construction of the Waste Disposal Cell VI, including the plugging of the piping and the manholes with concrete. This piping will remain in place or be removed, depending on the disposition of the leachate transmission piping.

§521.J.1.c. The estimated cost of closure of the facility, based on the cost of hiring a third party to close the facility at the point in the facility's operating life when the extent and manner of its operation would make closure the most expensive.

Prior to Cell VII, the costs for closure of the facility were calculated as $1,221,000, based on third-party closure with all units still requiring closure. This estimate did not include:

- Cost for closing Cell VII, Phase 1 and Cell VIII
- Credit for work accomplished on Cells I-V, ASB #1, and the CDW Cell.

The cost for closing Cell VII, Phase 1 is estimated as $595,120 and Cell VIII is estimated as $1,311,370. This is based on capping, etc., being required for the full cell. Work accomplished on existing cells totals at least $466,000, but about $70,000 of this is for areas which Cell VII, Phase 1 ~~will~~ overlies.

The total closure costs at the date of this submittal are therefore estimated as ~~$1,391,000~~ $2,679,240.

Data sources and supporting calculations are given in **Appendix I**.

§521.J.2. The closure plan for Type I and II landfills and surface impoundments must include:

§521.J.2.a. A description of the final cover and the methods and procedures used to install the cover;

Putrescible waste disposal cells are closed as they reach the maximum permitted elevation for disposal. The permitted procedure for cell closures is as follows. Preclosure activities to be performed include removal of any standing water; modification and maintenance of the runoff diversion and containment system until the final cap is completely installed; modification of the runoff diversion and containment system as required to protect adjoining areas; insect and rodent control inspection and any necessary extermination measures; final compacting and grading of waste materials; and placement of the final daily and interim covers, as described in **§521.F** above.

CELLS I - V:
Non-Subtitle D Cells I - V were closed at the end of 1997 with the opening of Cell VI. Closure caps for these cells are required to be at least 24 inches of compacted clay, according to the landfill permit. The use of compacted clay as the sole material for the final caps, instead of its use as part of a composite cap including a geomembrane, has been approved by the LDEQ for Cells I - V, since this design complies with the procedure previously approved in the 1984 permit application and modifications to the permit for those cells. The history of closure of Cells I through V was discussed in the Response to **§521.J.1.b**. Daily inspections for disease vectors has revealed no problem with these nuisances in Cells I - V.

A minimum of six inches of topsoil capable of supporting the intended ground cover is placed on the final cap. Final grading of cap and topsoil maintains a maximum grade of four horizontal to one vertical (4H:1V) on all side slopes to ensure stability, and a minimum grade of four percent on the top to facilitate drainage. Stability analyses for slopes described above have been performed for Mundy Landfill as part of previous height modification requests, and can be found in **Appendix J**. These reports show that, for the installation described and the waste heights involved, side slopes will have a factor of safety of over 1.50, indicating satisfactory stability. The topography of the closed cells is depicted on drawing **DSW-GP-04** in **Appendix N**.

An appropriate seedbed is prepared by disking the topsoil to a depth which precludes any damage to the top of the final cover. Soil amendments (fertilizer, lime, etc.) are applied based on analysis of the topsoil material being utilized and the ground cover to be planted. A perennial herbaceous cover is established by seeding with common Bermuda grass or other appropriate species, according to technical guidelines for erosion control published by the U.S.D.A. Soil Conservation Service, and as approved by the LDEQ.

Following stabilization of the site and the establishment of appropriate ground cover, the LDEQ and the Louisiana Office of Forestry will be consulted concerning suggestions for the planting of species of vegetation appropriate for the soils, climate, and final intended use of the reclaimed site. The species selected will not have growth characteristics (i.e., tap roots, etc.) which could compromise

the compacted clay final cover.

This installation will result in a maximum of surface runoff and a minimum of infiltration into the closed cell through the final cap, as demonstrated in the Hydrologic Evaluation of Landfill Performance (HELP) computer models performed by consultants for Mundy Landfill. Copies of the model results are included in **Appendix J**, and include a 1990 model for Cells I - IV and a 1996 model for Cells I - V. These models demonstrate that the final caps for Cells I - V will minimize infiltration into the closed cells, and the resulting leachate generation, to quantities that can be detained and adequately treated by the treatment plant prior to discharge from the site.

CELL VI:

The closure procedure for Cell VI is identical to that for Cells I - V, except that the final cap will be a composite consisting of at least two feet of compacted clay soils and a 60-mil high density polyethylene (HDPE) geomembrane. Preclosure activities will be as described above, and will be followed by installation of the compacted clay. Upon completion of preclosure, a topographic survey will be made as the first step in the clay thickness verification procedure. The clay will be installed according to a quality assurance/quality control similar to that utilized in the construction of the cell liner. Specifications will be prepared after testing on the clay materials to determine the required methods for optimizing compaction and impermeability of the clay. Testing will continue during construction to confirm installation in accordance with the specifications, the permit, and the SWRR. Clay will be placed in loose lifts of eight inches and compacted at a suitable moisture content wet of optimum to a final thickness of six inches and a hydraulic conductivity less than 1×10^{-7} cm/sec. Final steps in the clay cap placement will include rolling and smoothing of the surface to allow installation of the HDPE top liner without damage. Upon completion of clay installation, a second survey will be performed and compared with the initial survey to verify clay thickness. Any areas of deficiency will be corrected prior to proceeding with the installation of the 60-mil HDPE liner.

HDPE installation will include quality assurance/quality control procedures and testing similar to those used for the HDPE cell liner installation (see **§521.F.4.b.**). Such procedures will be specified in the closure plan for the cell for installation of the HDPE by a third party contractor with substantial experience in the construction of HDPE cell caps. The vegetative topsoil cover will be a minimum of 18 inches, to preclude damage to the HDPE during preparation of the cover for seeding and future damage due to the root systems of the plantings themselves.

The composite cap will almost totally preclude infiltration of surface runoff into the closed cell, as illustrated by the HELP performed in 1996 concerning the cell, a copy of which is included in **Appendix J**.

CELL VII - PHASE 1 and Cell VIII :

The closure procedure for Cell VII, Phase 1 and Cell VIII is identical to that described above for Cell VI, except:

- Due to the relatively steep [1(V):3(H)] side slopes, the HDPE layer will not be used there. It will be used on the flatter slopes at the top of this cell.

- The vegetative topsoil cover will be six inches thick.

HELP modeling was performed specifically for Cell VII, Phase 1 in 2002. The results are presented in **Appendix J**, and show long-term leachate production rates of 11 gallons per day or less for Cell VII~~, Phase 1~~, and two gallons per day or less from the underlying portions of the closed cells. The Cell VIII analysis is presented in **Appendix S.**

TREATMENT PLANT:
The treatment plant will be closed at the end of the post-closure period, which will allow the treatment of leachate generated by the closed disposal cells during the post-closure period. Closure of the plant will be performed in a manner conforming to the requirements of the state and federal water discharge permits issued to the landfill, and as described in **§521.K.2.b.** below. Closure will not require the installation of a final cap, since the ponds will be removed in their entirety. The program includes verification sampling and testing of the subgrade soils to ensure that no contamination exceeding LDEQ RECAP standards remains. All materials will be deposited in an industrial waste landfill.

§521.J.2.b. An estimate of the largest area of the facility ever requiring a final cover at any time during the active life;

Sheet 34 of **Appendix P** is a plan of the original site, showing ~~all currently permitted~~ disposal cells I through VII, ~~the proposed Cell VII, Phase 1~~, and the proposed final cap topography. ~~The topography for the currently permitted cells was approved in Permit Modifications 25 and 26~~. The original ~~total~~ site area is approximately 62 acres of the original 80-acre property. Drawing **STE-S8** in **Appendix S** shows the proposed final grades of Cell VIII. Cell VIII is approximately 29 acres. Approximately nine acres, within the 200-foot buffer along the east property line, is allowed by waiver to have ancillary facilities, but is forbidden to disposal operations. The largest area requiring final cover was 30 acres, before Cells I-V were closed. The area of the currently ~~permitted~~ constructed cells indicated by this plan to still require final cover for disposal locations is approximately ~~13~~ 19 acres, itemized as follows:

Waste Disposal Cell I	4.08 acres	a
Waste Disposal Cell II	3.23 acres	a
Waste Disposal Cell III	3.62 acres	a
Waste Disposal Cell IV	3.62 acres	a
Waste Disposal Cell V	2.89 acres	a
Waste Disposal Cell VI	7.10 acres	
Waste Disposal Cell VII/Phase 1	8.00 acres	
Waste Disposal Cell VIII	29.00 acres	c
Construction Debris & Trash Area	3.80 acres	b
Asbestos Disposal Area 1	1.47 acres	a
Asbestos Disposal Area 2	1.78 acres	a

a: Already closed. See discussion at **521.I.2.**
b: 2.2 Acres already closed
c: To be constructed

A new putrescible waste disposal area, ~~Cell VII, Phase 1~~ Cell VIII, lies west of ~~along~~ the original western property line (approximately E100+00), east of the creek and north of U.S. Highway 84 ~~Cell V and west of Cells II - IV.~~ This area ~~will be~~ is approximately ~~eight~~ 29 acres in size, bringing the total area which will require final cover to approximately ~~21~~ 48 acres.

The standard operating procedure at Mundy Landfill has been to install the final cap over the disposed waste as the ceiling elevation for disposal is reached. The final cap is installed on the side slopes as the disposal of wastes as operations proceed upward, in order to ensure stabilization of the waste materials. ~~Permit Modification No. 25 raised the ceiling elevation to 300 feet Mean Sea Level for the landfill.~~ In Cells I - V, ~~that~~ the final elevation has been reached and the final cap was completed ~~five acres of the cap at the top of the side slopes were installed~~ in early 1998, after cessation of disposal operations in these cells on December 31, 1997.

This procedure will be revised for Cell VI, due to its composite cap, which requires installation at one time. The compacted clay cap will be placed on the side slopes, as described above. The clay

cover and the HDPE layer will be installed upon completion of waste disposal.

A final cap was installed over the Construction Debris and Trash area (CD&T-S) by in 1997, in compliance with a request by the Louisiana Department of Environmental Quality, due to the lack of a cell liner in this area and concerns about the potential presence of putrescible waste within this area. The cover consists of 24 inches of compacted clay, as described above. This cell was reopened in 1998. A second Construction Debris and Trash area (CD&T-N) was permitted in 2007.

Cover within the asbestos areas ~~is~~ was placed as the waste material ~~is~~ was dumped and in accordance to the permit modification allowing asbestos disposal at Mundy Landfill.

§521.J.2.c. An estimate of the maximum inventory of solid waste ever on-site over the active life of the facility;

An Initial Design Capacity Report was researched, written, and submitted to the Office of Air Quality in 1996 for the purpose of determining the applicability of the new landfill gas control guidelines and the need to install an active gas removal system. This report included an estimation of the maximum inventory of solid waste expected to be disposed at Mundy Landfill. The inventory computation included all wastes disposed at the landfill through July, 1995; an estimation of the additional waste to be disposed of in the five non-Subtitle D putrescible waste disposal cells through an assumed final closure date of December, 1996; and an estimate of the total quantity of solid waste expected to be deposited in the Cell VI.

The quantity of wastes disposed through July, 1995 was summed from the solid waste disposer reports submitted annually to the LDEQ, totaling 274,798 wet-weight tons. From this value, an average annual rate of disposal of 28,926 tons per year was calculated by dividing the total by the nine and a half years of operations. This annual rate was used to estimate continued disposal in the five existing cells for the one and a half years from July, 1995 through the originally anticipated December 31, 1996 closure date, for a total of 43,389 tons. The total for Cell VI was computed using the Average End Area Method on cross-sections drawn for the design drawings for that construction (see **Appendix P**), and came to 166,453 tons. Summing these figures reaches the final design capacity of 484,640 tons for the 1996 configuration.

~~For the purpose of this application~~ Due to the addition of Cells VII and VIII, a revision must be made to the original report. The disposal in the five existing disposal cells was extended to the revised closure date of December 31, 1997. Delays in the design, permitting, and construction of Cell VI necessitated the extension of the service life for Cells I through V to that date, which complied with the mandatory closure date for those cells. A conservative assumption of service life until the end of the year was used, and changes the total disposal from July, 1995 until closure of all five cells in December, 1997 from 43,389 tons to 72,315 tons. These changes to the original Initial Design Capacity Report result in an estimate for the maximum inventory of solid waste for Cells I through V of 347,113 wet-weight tons of putrescible refuse. To this sum must be added estimates for the non-putrescible waste and the asbestos disposed of at Mundy Landfill. The figure for the non-putrescible waste is taken from the 1984 permit application by Russell Engineering of Logansport, Louisiana and Southern Services of Shreveport, Louisiana. This estimate is 17,813 tons. A very conservative estimate of 5,000 tons of asbestos is also assumed. Summing these quantities yields a total solid waste inventory at Mundy Landfill ~~for this application~~ of 537,000 tons. The additional expansion of disposal area, (~~Phase 1 of~~ Cells VII and VIII) increased this number. The revised total is ~~755,000~~ 2,155,000 tons.

A copy of the original Initial Design Capacity Report is included in **Appendix J**, along with the acceptance letter from the LDEQ concerning the original report submittal.

§521.J.2.d. A schedule for completing all activities necessary for closure.

The final schedule for all closure activities will be submitted with the closure notification discussed in **§521.J.1.a.**

Cells I - V were closed in December, 1997. Cell VI ~~is currently active with a service life of approximately five years to an anticipated closure date of~~ was closed in March 2003 when Cell VII, Phase 1 began receiving waste. Cell VII, Phase 1, exists along the area north of Cell V and west of Cells II - IV. This eight-acre area was ~~is~~ expected to have a service life of seven to eight years, extending the landfill closure date to 2010. However, due to increased disposal rates, the cell is filling faster than originally anticipated. Cell VII is expected to reach capacity in 2007. The facility will continue to provide the parish with environmentally sound waste disposal with the landfill expansion of Cell VIII. Considering the increased disposal rates and accounting for a 2% increase in disposal rates each year, Cell VIII is expected to extend the life of the facility to 2039.

For Cells VI, ~~and~~ VII, Phase 1, and VIII, the 90 days for closure will include two weeks of pre-closure activities, followed by one month of compacted clay cap installation and quality assurance/quality control. The HDPE liner will be installed next, requiring two to four weeks. The final month will be used for placement of the vegetative cover and preparation and submittal of the construction certification document.

The non-putrescible waste disposal area, CD&T-S, was closed at the end of 1997, capped with 24 inches of compacted clay, and re-opened in 1998. The two asbestos disposal areas, ASB-1 and ASB-2, are no longer used. ~~will remain in use until closure of the landfill or until the available disposal area is exhausted.~~ As described in the Asbestos Disposal Plan in **Appendix C**, asbestos is disposed in the active disposal cell, which is currently Cell VII, Phase 1.

The leachate collection and treatment system will be maintained in use through the 30-year post-closure period and will be closed and dismantled at its end. That date is estimated at this point as the year 2069 ~~2040~~. The 90 days for closure will include two months of demolition and disposal of all materials, including the treatment plant, piping, and manholes, and one month for preparation and submittal of the closure document.

§521.J.3. The closure plan for all Type I and II facilities and Type III woodwaste and construction/ demolition debris facilities shall include the following:

§521.J.3.a. The sequence of final closure of each unit of the facility, as applicable;

The date of final closure for each individual disposal cell will be 90 days from the date that waste disposal operations reach the ~~current~~ ceiling elevation of 300 feet, Mean Sea Level (MSL) for Cells I-VII and 324 feet MSL for Cell VIII. Cells I - V were closed December 31, 1997 upon the opening of Cell VI. Cell VI ~~is currently active with a service life of approximately five years to an approximate closure date~~ reached capacity in 2003. Cell VII, Phase 1, ~~is~~ located ~~along the western property line~~ west of Cells I-IV, ~~which~~ will ~~keep the landfill in operation for seven to eight additional years~~ reach capacity in 2007. ~~A new landfill may be planned for~~ Cell VIII occupies approximately 29 acres of the 160-acre parcel immediately west of the existing landfill (Cells I - VII), and it ~~would~~ will be ~~designed, permitted, and~~ constructed during the service life of Cell VII, Phase 1.

The non-putrescible waste disposal area, CD&T-S, was closed at the end of 1997, and re-opened in 1998 after installation of a cap/liner. The two asbestos disposal areas, ASB-1 and ASB-2, are no longer used. ~~will remain in use until closure of the landfill or until the available disposal area is exhausted.~~ As described in the Asbestos Disposal Plan in **Appendix C**, asbestos is disposed in the active disposal cell, which is currently Cell VII, Phase 1.

Landfill closure will be performed upon closure of Cell VIII ~~Cell VII, Phase 1~~, unless design, permitting, and construction of further modifications ~~in the existing permitted area or of the new landfill~~ is performed. ~~These could be as an extension of the existing landfill and a modification of the solid waste disposal permit.~~ Landfill closure, when it is performed, will be accompanied by installation of additional fencing around the treatment plant and abandonment of the office and scales.

§521.J.3.b. A drawing showing final contours of the facility;

Sheet STE-5 in **Appendix Q** shows the final contours for the facility on the original property. Drawing **STE-S8** in **Appendix S** shows the final contours for the Cell VIII expansion. ~~all areas of the landfill that are currently permitted~~. The ceiling elevation for waste disposal in Cell VIII is ~~300~~ 324 feet MSL.~~, as approved in Modification No. 25 and No. 26. Modification No. 25 was a height modification for Cells I - V to raise the ceiling elevation for these cells from 275 feet MSL to 300 feet MSL. Modification No. 26 provided for a ceiling elevation for~~ Cells I-VI and Cell VII, Phase 1 have a maximum height of 300 feet MSL.

Sheet 27 in **Appendix P** and drawing **STE-S8** in **Appendix S** illustrate~~s~~ other features of final closure, such as, erosion control, and a gas management system.

§521.J.3.c. A copy of the document that will be filed upon closure of the facility with the official parish recordkeeper indicating the location and use of the property for solid waste disposal, unless the closure plan specifies a clean closure.

An unexecuted copy of the document to be filed with the DeSoto Parish Clerk of Court is located in **Appendix C** and in the attachment to the Closure Plan, **Appendix L**. The form used was obtained from Appendix F of the Solid Waste Rules and Regulations (SWRR). Upon facility closure a completed copy will be certified and filed with the DeSoto Parish Clerk of Court. A true copy of the recorded document will be forwarded to the Louisiana Department of Environmental Quality, as required by **§711.E.3.d**.

§521.K. **<u>Facility Post-Closure</u>. Standards governing post-closure requirements are contained in LAC 33:VII.711.F (Type I and II landfills), LAC 33:VII.713.F (Type I and II surface impoundments), LAC 33:VII.715.F (Type I and II landfarms), and LAC 33:VII.721.E (Type III construction and demolition debris and woodwaste landfills).**

§521.K.1. **The post-closure plan for all facilities must include the following:**

§521.K.1.a. **Specification of the long-term use of the facility after closure, as anticipated;**

The DeSoto Parish Police Jury does not intend any specific use of the facility site after its closure, other than open space. Any intention to use the site for a specific purpose will be communicated to the Louisiana Department of Environmental Quality in the preclosure notification, or during the post-closure period.

§521.K.1.b. The cost of conducting post closure of the facility, based on the estimated cost of hiring a third party to conduct post-closure activities in accordance with the closure plan.

An Engineering Opinion of Probable Costs concerning the post-closure monitoring and care of the facility has been provided in **Appendix I**. This cost is itemized by anticipated tasks to be performed, including regular inspections of the site, maintenance of all facilities, monitoring of all pertinent site characteristics, and abandonment and/or removal of all features at the end of the post-closure period.

§521.K.2. The post-closure plan for Type I and II facilities must include the following:

§521.K.2.a. The method for conducting post-closure activities, including a description of the monitoring and maintenance activities and the frequency at which they will be performed;

Post-closure activities described below will be continued for 30 years after the date of closure established in the document discussed in **§521.J.3.c**, as required by **§711.F.2.a**. Activities to be conducted will be performed in accordance with **§711.F.3**.

Inspections and maintenance will be conducted on a regular basis, after all severe storms, and upon receipt of any reports of unauthorized entry to the site or damage. Areas of inspection will include the final cover, the leachate system, the wastewater treatment plant, the landfill gas system, the groundwater monitoring system, and a general review of the site.

The final cover inspection will be performed at least quarterly, after severe storms, and upon receiving reports of trespassing and/or damage. This inspection will determine the extent of damage to or erosion of the cover, any settlement or sliding requiring correction to ensure positive drainage and waste containment, or any disruption of the vegetation established to prevent erosion. Any damage will be repaired immediately. Reports will be prepared and maintained by the DeSoto Parish Police Jury, and submitted to the LDEQ annually. The ground cover will be mowed on a regular basis to facilitate the site inspections and maintain a viable vegetative cover.

The inspection of the leachate collection, removal, and treatment system will consist of reviewing the condition of the leachate piping and manholes, and cleaning them out as necessary to maintain gravity flow of leachate to the treatment plant; checking the plant area for signs of unauthorized entry and damage to the fence, the levees, and the outfall; and maintaining the locks on the fencing and the plant drain valve. Any damage will be repaired immediately. This inspection will also be performed at least quarterly, with additional site visits after all rainfalls and receipt of reports of trespassing and/or damage. Visits will be made after rain events to determine if there has been a discharge from the pond, which will require a sample to be taken and tested by the laboratory. Reports will be completed after all visits, kept by the DeSoto Parish Police Jury, and submitted to the LDEQ annually.

The leachate system will be monitored to ensure conformance with the effluent requirements of the water discharge permits in **Appendix E**. This maintenance and monitoring will be continued for the post-closure period or until it can be demonstrated to the satisfaction of the Louisiana Department of Environmental Quality (LDEQ) that leachate is no longer being generated or is no longer a threat to public health or the environment. At this time, the leachate system will be dismantled, as described in **§521.K.2.b.**

Maintenance of the landfill gas system will consist of regular inspections and the immediate repair of any damage discovered. Reports will be prepared upon conclusion of all maintenance or monitoring activities, will be kept by the DeSoto Parish Police Jury, and will be submitted to the

LDEQ annually. Monitoring will be conducted as described in **Appendix C** throughout the post-closure period, or until it can be determined to the satisfaction of the LDEQ that gas generation has ceased. At this time, the system will be abandoned as discussed in **§521.K.2.b.**

Groundwater monitoring will be continued for the length of the post-closure period, in conformance with **§709.E.3.d**, and as described in the Groundwater Monitoring Sampling and Analysis Plan, presented in **Appendix F**. The regular inspections conducted through post-closure will include the monitoring wells. Any damage to the well locks or the well itself will be immediately repaired and be cause for an immediate sample and test to be performed. Monitoring will continue until it can be determined to the satisfaction of the LDEQ that monitoring is no longer necessary, at which time the wells will be abandoned and plugged in accordance with the requirements of the publication entitled "Water Well Rules, Regulations, and Standards for the State of Louisiana," by the Water Resources Section of the Louisiana Department of Transportation and Development. All holes are or will be plugged with cement-bentonite slurry from the bottom of the hole to the ground surface, using the pump-down method of placement.

The general site inspection will look for evidence of unauthorized entry and damage to site facilities, erosion of areas outside waste disposal cells, maintenance of drainage ditches and the sedimentation ponds, and a survey of the site to identify the presence of any strong, or otherwise offensive, odors.

§521.K.2.b. The method for abandonment of monitoring systems, leachate collection systems, gas-collection systems, etc.;

At the end of the post-closure period, or sooner if acceptable to the Louisiana Department of Environmental Quality (LDEQ), all monitoring systems will be abandoned or dismantled and removed from the site. As a minimum, this will involve the leachate collection and treatment system, the landfill gas system, and the groundwater system.

The leachate collection, removal, and treatment system consists of leachate collection and transmission piping and manholes, contaminated stormwater piping and manholes, and the treatment plant. The piping systems, including manholes, will be abandoned in place, with plugs of non-shrink grout being pumped to a point at least two feet inside each disposal cell and into pipes entering and exiting manholes, or removed and disposed of in an industrial waste landfill. The fence around the treatment plant will be removed, and the ponds will be drained. Such drawdown will be performed in accordance with the state and federal water discharge permits issued to the landfill. The Oxidation Pond 1 compacted clay liner and any contaminated soil will be excavated and deposited in an industrial waste landfill. Polishing Ponds 2 and 3 will be removed and disposed of in an industrial waste landfill, along with the control structures and transfer piping. The excavation for the three facultative lagoons will be filled with native soils from a local source, and the site will be graded to provide positive drainage and prevent surface impoundments. Such grading will be performed in such a way as to maintain the existing runoff pattern.

The landfill gas collection and venting system is a network of piping within gravel-lined trenches at the top of waste disposal cells and immediately below the final cap. Vent risers extend vertically through the final cap to allow the collected gas to vent to the atmosphere. The removal of this equipment will only entail the removal of the risers, since further dismantling is unnecessary and would require excavation of the final cap. The risers will be removed at ground level, and locking or permanent caps compatible to the materials used for the riser piping will be installed, to prevent tampering and entry of precipitation.

Groundwater monitoring wells will be removed no sooner than the end of the post-closure care period without prior approval of the LDEQ. Dismantling of the wells will be performed by a well contractor licensed in the state of Louisiana, and will conform to the latest requirements of the "Water Well Rules, Regulations, and Standards for the State of Louisiana," as issued by the Water Resources Section of the Office of Public Works of the Louisiana Department of Transportation and Development. No work will be performed without the approval of the LDEQ.

§521.K.2.c. Measures planned to ensure public safety, including access control and gas control;

As described above, public safety will be ensured by monitoring and inspections of the site through the post-closure period of 30 years, by controlling access to the site, and by the documentation of the site and activities by filing records with the DeSoto Parish Clerk of Court.

Monitoring and inspections of the site and its safety systems are discussed in **§521.K.2.a** and the Landfill Gas Monitoring Procedure presented in **Appendix C**.

Access to the site will be controlled by maintaining the existing perimeter fence and keeping the entry gate locked, except when being used by authorized personnel. The removal of existing construction features as they are no longer needed, such as the primary access road and the buildings, will further reduce the likelihood that unauthorized individuals will trespass on the site.

Safety features to be added as part of the closure plan include a perimeter fence with a locked gate and warning signage around the treatment plant and locked valves on the plant discharge line, and locked covers on the leachate and stormwater system manholes and cleanouts. These additions will further reduce access to the features of the site. Periodic inspections of the site will also serve to deter trespassing.

The recording of the closure document with the Clerk of Court will indicate the location of the site and its use as a sanitary landfill.

§521.K.2.d. A description of the planned uses of the facility during the post-closure period.

The DeSoto Parish Police Jury does not intend any specific use of the facility site after its closure, other than open space. Any intention to use the site for a specific purpose will be communicated to the Louisiana Department of Environmental Quality in the preclosure notification, or during the post-closure period.

§521.L. **<u>Financial Responsibility</u>. Standards governing financial responsibility are contained in LAC 33:VII.727. A section documenting financial responsibility according to LAC 33:VII.727 which contains the following information, must be included for all facilities:**

§521.L.1. **The name and address of the person who currently owns the land and the name and address of the person who will own the land if the standard permit is granted (if different from the permit holder, provide a copy of the lease or document which evidences the permit holder's authority to occupy the property);**

The current owner of the property of Mundy Landfill is the DeSoto Parish Police Jury. The address is P.O. Box 898, Mansfield, Louisiana 71052. It is not anticipated at this time that the property will be sold or otherwise disposed of after closure.

§521.L.2. The name of the agency or other public body that is requesting the standard permit; or, if the agency is a public corporation, its published annual report; or, if otherwise, the names of the principal owners, stockholders, general partners, or officers;

The DeSoto Parish Police Jury is the operator of the Mundy Landfill, the owner of the site and the existing solid waste disposal permit holder, and the agency submitting this Permit Renewal Application. Refer to the **Certification**, on page 5, for the signature of the President of the DeSoto Parish Police Jury..

§521.L.3. Evidence of liability coverage, including:

- **a. personal injury, employees, and the public (coverage, carriers, and any exclusions or limitations);**
- **b. property damage (coverage and carrier);**
- **c. environmental risks;**

Evidence of liability insurance is provided in **Appendix I**. The DeSoto Parish Police Jury has automobile liability, commercial general liability insurance, ~~a public officials' bond,~~ and insurance on all equipment. As required by **§727.A.1.a** of the SWRR for Type I and II facilities, the general liability policy provides coverage for occurrences in the amount of one million dollars per occurrence and one million dollars annual aggregate. ~~The public officials' bond has a liability limit of $500,000 and an aggregate limit of $500,000. The automobile liability policy covers all autos on Police Jury business, with uninsured motorist coverage and a combined single limit of $500,000.~~ The insurance binder certificate is provided in **Appendix I**, along with the Solid Waste Facility Certificate of Liability Insurance required by **§727.A.1.d.(i)**.

§521.L.4. Evidence of a financial assurance mechanism for closure and/or post-closure care and corrective action for known releases when needed.

The DeSoto Parish Police Jury (DPPJ) historically used the financial test in **§727.A.2.i**. LDEQ has indicated that the DPPJ should use the Local Government Financial Test in **§727.A.2.j**, however, for the year ended December 31, 2006, the DPPJ is not eligible to use the Local Government Financial Test. The DPPJ has obtained an Irrevocable Standby Letter of Credit in conformance with **727.A.g** as a financial assurance mechanism. A copy of the letter of credit established by Peoples State Bank of Many, Louisiana in the amount of the current closure and post-closure cost estimate is included in **Appendix I**. Evidence of establishment of a standby trust fund and a letter from the permit holder are also included in **Appendix I**. ~~Specific requirements under that standard are addressed below, based on the Independent Auditor's Report for the year ending December 31, 2002, submitted to the DPPJ by Little and Associates on July 28, 2003.~~

- ~~Bond Rating: Standard & Poor's BBB+ (See "Official Statement" in **Appendix I**)~~

- ~~Cash & Securities/Total Expenditure Ratio: (See "Independent Auditor's Report" in **Appendix I**)~~
  - ~~Cash & Securities: $ 7,998,360~~
  - ~~Total Expenditures: $19,629,832~~
  - ~~Ratio: $ 7,998,360/$19,629,832 = 0.41 > 0.05~~

- ~~Debt Service/Total Expenditure Ratio: (See "Independent Auditor's Report" in **Appendix I**)~~
  - ~~Debt Service: $ 709,855~~
  - ~~Total Expenditures: $ 19,629,832~~
  - ~~Ratio: $ 709,855/$19,629,832 = 0.04 < 0.20~~

- ~~DPPJ is not in default of any outstanding general obligation bonds, and no such bonds are rated lower than S&P BBB.~~

- ~~The DPPJ did not operate at a deficit of 5% or more of total annual revenue for the year 2000 and just over 5% in 2001.~~
  - ~~Y/E 12/31/01~~
  - ~~Deficit: $ 1,372,817~~
  - ~~Revenue: $14,811,109~~
  - ~~Ratio: $ 1,372,817/$14,811,109 = 0.09 > 0.05~~

  - ~~Y/E 12/31/00~~
  - ~~Deficit: $ (528,549) - Surplus~~
  - ~~Revenue: $ 14,534,293~~
  - ~~Ratio: $ (528,549)/$14,534,293 = 0.04 (Surplus)~~

  ~~The DPPJ also had a surplus in 1999.~~

- ~~The auditor's opinions have not been qualified. Rather, the opinion of July 28, 2003, states the audit *"...is fairly presented in all material aspects...."*~~

- ~~The closure/post-closure care cost estimate is less than 43% of the DPPJ's total annual revenue.~~

  ~~2002 Total Revenue: $15,801,390~~
  ~~43% of above: $ 6,794,598~~
  ~~Closure/Post Closure Cost Estimate~~
  ~~High: $2,870,600 <43% Revenue~~
  ~~Low: $2,099,600 <43% Revenue~~

- ~~The DPPJ assures no other environmental obligations such that the total obligations exceed 43% of annual revenue.~~

~~A reference to the closure and post-closure care costs will be included in the DPPJ's future CAFR's, including all disclosures requested under **§727.A.2.j.ii.** The various items required under **727.A.2.j.iii** will be placed into the operating records of the Mundy Sanitary Landfill and updated according to that Section.~~

§521.M. **<u>Special Requirements</u> The administrative authority may require additional information for special processes or systems and for supplementary environmental analysis.**

The Louisiana Department of Environmental Quality has not made any request for additional information for special processes or systems or for supplementary environmental analyses that are known at this time. Any requests for additional information will be complied with in a timely manner.

Attachment A-3

Appendix A - Site Information

- Appendix A Index
- A-1 Permit Application Form, Part I.
- A-8 April 11, 2006 letter From DeSoto Parish Police Jury to LDEQ requesting approval of Modification No. 1 - Cell VIII
- A-9 Letter from LDEQ approving Modification No. 1 - Cell VIII (Pending)

Appendix A

Index

APPENDIX A

SITE INFORMATION

INDEX

1) Permit Application Form, Part I.
2) September 11, 1984 letter from the Louisiana Resource Recovery and Development Authority (LRRDA) (Statement of No Objection).
3) May 3, 1996 letter from the Louisiana Department of Environmental Quality (LDEQ) (LRRDA - Statement of No Objection)
4) February 13, 1996 letter from the DeSoto Parish Police Jury, certifying satisfactory condition and maintenance of the road system to the Mundy Landfill.
5) February 26, 1996 letter, including a map and data, from the Louisiana Department of Transportation and Development, Water Resources Section, concerning investigation into wells in the vicinity of Mundy Landfill (9 pages) and August 2004 investigation of registered water wells using www.dotd.state.la.us (2 pages).
6) Letter, map, and data from Federal Emergency Management Agency concerning Flood Insurance Rate Map for DeSoto Parish, Louisiana (excerpt - 4 pages)
7) August 16, 2004 letter from the LDEQ to the DeSoto Parish Police Jury requesting submittal of the complete Permit Renewal Application. The pending industrial waste major modification is to be incorporated into the application.
8) April 7, 2006 letter from DeSoto Parish Police Jury to LDEQ requesting approval of Modification No. 1
9) Letter from LDEQ approving Modification No. 1

Appendix A-1

Permit Application Form, Part I

SOLID WASTE STANDARD PERMIT APPLICATION - PART I

(This form shall be completed in accordance with the instructions found in LAC 33:VII.513.A.1.)

A.	Applicant (Permit Holder):	DeSoto Parish Police Jury
B.	Facility Name:	Mundy Landfill
C.	Facility Location/Description:	Six (6) miles east of Mansfield, LA; one (1) mile west of Interstate 49, on U. S. Highway 84
D.	Location:	Section 3, Township 12N, Range 12 W Section 4, Township 12N, Range 12W
	Parish:	DeSoto
	Coordinates:	Latitude: 32^0 3' 30" Longitude 93^0 35' 30"
E.	**Mailing Address:**	DeSoto Parish Police Jury P. O. Box 898 Mansfield, LA 71052
F.	**Contact:**	Mr. Bernon Thomas ~~Bill Smith~~, Parish Administrator Mr. Billy O'Neal, Solid Waste Superintendent DeSoto Parish Police Jury
G.	**Telephone:**	318-872-0738 (Mr. Thomas ~~Smith)~~ 318-872-2500 (Mr. O'Neal)

H. Type and Purpose of Operation (check each applicable line):

Type I	Industrial Landfill	X
	Industrial Surface Impoundment	X
	Industrial Landfarm	___
Type I - A	Industrial Incinerator Waste Handling Facility	___
	Industrial Shredder/Compactor/Bailer	___
	Industrial Transfer Station	___

Type II	Sanitary Landfill	X
	Residential/Commercial Surface Impoundment	X
	Residential/Commercial Landfarm	___

Type II - A	Residential/Commercial Incinerator Waste Handling Facility	___
	Residential/Commercial Shredder/Compactor/Bailer	___
	Residential/Commercial Transfer Station	___
	Residential/Commercial Refuse-Derived Fuel	___
Type III	Construction/Demolition Debris Landfill	X
	Woodwaste Landfill	___
	Compost Facility	___
	Resource Recovery/Recycling Facility	___
Other	_____	

I. Site Status:

Owned: X
Leased: ___
Lease Term: N/A years
(Note: If leased, provide copy of lease agreement.)

J. Operational Status:

Existing: X
Proposed ___

K. Site:

Total Acres: 220 ~~62~~ acres
Processing Acres: 0
Disposal Acres 69 ~~40~~ acres

L. Environmental Permits (list):

LDEQ Solid Waste Disposal Permit P-0035R1

LDEQ Louisiana Pollutant Discharge Elimination System (LPDES) Permit WP1108

USEPA National Pollutant Discharge Elimination System (NPDES) Permit LA0066702

M. Conformity with regional plans. Attach letter from the Louisiana Resource Recovery and Development Authority (LRRDA) stating that the facility is an acceptable part of the statewide program. (Note: In accordance with R. S. 30:2307.B., LRRDA authority does not apply to solid waste disposal activity occurring entirely within the boundaries of a plant, industry, or business which generates such solid waste.)

The letter from LRRDA is in Appendix A of the Permit Renewal Application.

N. **Zoned:** Yes ___ No ___ Zoning Requested N/A

Zone Classification: N/A

(Note: If zoned, include zoning affidavit and/or other documentation stating that the proposed use does not violate existing land-use requirements.)

O. **Types, Quantities, and Sources of Wastes:**

	Processing		Disposal	
	On-Site	**Off-Site**	**On-Site**	**Off-Site**
Residential			~~360~~	800 TPW
Industrial				5400 TPW
Commercial				1500 TPW
Construction Debris			~~150~~	300 TPW

P. **Service Area:** Unlimited
List Parishes: Louisiana: DeSoto, Red River, City of Mansfield
Texas: Panola, Center, Shelby
Other: Waste Management, Inc.

Statewide: ___ **Unlimited:** X

Q. **Proof of Operator's Public Notice - Attach proof of publication of the notice regarding the permit application submittal, as required by LAC 33:VII.513.A.**

Proof of Publications for Modification No. 1 , the lateral expansion (CellVIII) from the Toledo Bend Tribune (Official Journal of DeSoto Parish) and The Advocate (Official Journal of the State of Louisiana) follow Part I.

R. **Certification: I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify under penalty of law that this information is true, accurate, and complete to the best of my knowledge. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.**

Bryant Yopp 5-28-08
Signature **Date**

Bryant Yopp, President

DeSoto Parish Police Jury

(Note: Attach proof of the legal authority of the signee to sign for the applicant.)

BEST COPY

DeSoto Parish Police Jury

P.O. Box 898 Mansfield, Louisiana 71052
PHONE: (318) 872-0738 FAX: (318) 872-5343

OFFICERS

Bryant Yopp
President

Ernel Jones
Vice President

Shirley C. Wheless
Secretary

Linda Gatlin
Treasurer

MEMBERS

Jerry Moncrief
Logansport, LA 71050
District 1A

Dewayne Mitchell
Logansport, LA 71049
District 1B

J.O. Burch
Mansfield, LA 71052
District 1C

Bryant Yopp
Stonewall, LA 71078
District 2

Greg Baker
Stonewall, LA 71078
District 3

Richard Fuller
Mansfield, LA 71052
District 4A

Jeff Heard
Mansfield, LA 71052
District 4B

Ernel Jones
Mansfield, LA 71052
District 4C

Sylvester Mayweather
Mansfield, LA 71052
District 4D

Maggie Roe
Frierson, LA 71027
District 5

Fred Jones
Pelican, LA 71063
District 6

AFFIDAVIT

BEFORE ME, the undersigned authority came and appeared Bernon E. Thomas, Parish Administrator for the DeSoto Parish Police Jury, whose mailing address is P.O. Box 898, Mansfield, LA 71052, after being duly sworn, did depose and state:

1. The DeSoto Parish Police Jury, the governing authority of DeSoto Parish, Louisiana, does not at this time have any zoning requirements or land use restrictions for its unincorporated areas.
2. Mundy Landfill - AI#19803/D-031-1827/P-0035R1/PER20060002 is located in an unincorporated area of DeSoto Parish and that it is not subject to any zoning requirements or land use restrictions.

WITNESSES:

DESOTO PARISH POLICE JURY

Bernon E. Thomas
Parish Administrator

SWORN TO AND SUBSCRIBED, before me, notary, this the 11th day of July, 2008, at Mansfield, DeSoto Parish, Louisiana.

NOTARY PUBLIC
ID #31220

Appendix A-8

April 11, 2006 letter from DeSoto Parish Police Jury to LDEQ requesting approval of Modification No. 1

STE
Soil Testing Engineers, Inc.
316 HIGHLANDIA DRIVE (70810) • P.O. BOX 83710 (70884) • BATON ROUGE, LOUISIANA
PHONE (225) 752-4790 • FAX (225) 752-4878 • www.STEofLA.com

GORDON P. BOUTWELL, JR., Ph.D.
CHING N. TSAI, Ph.D.
CHAD M. POCHE, MS
CHARLES S. HEDGES, MS
KELLIE T. McNAMARA
KEITH SPAMPNETO
RICARDO de ABREU, Ph.D.

REGISTERED PROFESSIONAL ENGINEERS

April 11, 2006

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, LA 70821-4313

LDEQ RECEIPT
6 APR 12 P2:16

Attn: Ms. Beth Scardina
Environmental Scientist Manager

Re: Permit Renewal Application
Mundy Sanitary Landfill - DeSoto Parish, LA
D-031-1827/P-0035-R1/AI #19803

Ms. Scardina:

On behalf of and authorized by the DeSoto Parish Police Jury, Major Modification No. 1 to the Permit Renewal Application for the Mundy Landfill is submitted for review and approval by the LDEQ. This modification requests a lateral expansion of the existing disposal facility.

Jones Environmental, Inc. has prepared the geological/hydrogeological information presented in the modification, while Soil Testing Engineers, Inc. is responsible for the engineering design. Please do not hesitate to contact Ms. Sarah Moore (318-323-3307) with any questions or comments concerning JEI's contributions or Dr. Ricardo deAbreu (225-752-4790) with any questions or comments concerning STE's contributions. Both the Police Jury and its consultants appreciate your timely and favorable review.

Sincerely,
Soil Testing Engineers, Inc.

Kellie T. McNamara
Mrs. Kellie T. McNamara, P.E.
Project Engineer

Ricardo Abreu
Dr. Ricardo deAbreu, P.E.
Senior Engineer

Copies submitted: (4)

P:\2005\05-1124\05-1124C\submittal letter.wpd

02-1051

Attachment A-4

Appendix B - Environmental Resources Information and Correspondence

- Appendix B Index
- B-10 U.S. Bureau of Census: Estimated population density within 3.5-mile radius of facility obtained from Missouri Census Data Center (February 2, 2006)

Appendix B

Index

APPENDIX B

ENVIRONMENTAL RESOURCES INFORMATION AND CORRESPONDENCE

INDEX

1) Letter dated May 15, 1984 from the Louisiana Department of Culture, Recreation and Tourism
2) Report dated July, 1984 titled "A Cultural Resources Survey of the Proposed DeSoto Parish Landfill", by Heartfield, Price, and Greene, Inc.
3) Letter dated June 28, 1984 from the Louisiana Department of Culture, Recreation, and Tourism (Statement of No Objection)
4) Letter dated March 4, 1996 from the Louisiana Department of Culture, Recreation, and Tourism (Statement of No Objection)
5) Letter dated April 18, 1984 from the Louisiana Department of Wildlife and Fisheries (Statement of No Objection)
6) Letter dated May 6, 1996 from the Louisiana Department of Wildlife and Fisheries (Statement of No Objection)
7) Letter dated October 29, 2004 from the Louisiana Department of Culture, Recreation, and Tourism, Office of State Parks (Statement of No Holdings)
8) Letter dated April 20, 1984 from the U. S. Army Corps of Engineers (Statement of No Objection)
9) Letter and Map dated April 22, 1996 from the U. S. Army Corps of Engineers (Statement of No Objection)
10) U.S. Bureau of Census: Estimated population density within 3.5-mile radius of facility obtained from Missouri Census Data Center (February 2, 2006 ~~October 26, 2004~~)
11) Aerial Photographs

Appendix B-10

U.S. Bureau of Census: Estimated population density within 3.5-mile radius of facility obtained from Missouri Census Data Center (February 2, 2006)

Missouri Census Data Center

Circular Area Profiles (CAPS)

This application will aggregate 2000 Census data to approximate circular areas as specified by the user using a point location and 1 or more radius values. Data used are from Summary File 3, the standard MCDC extract.

See the notes page for more details.

Enter coordinates for the site in decimal degrees: Use the Census Bureau Gazetteer application to **look up coordinates** for cities, ZIPs, townships, etc. - see **Usage Notes** for other options.

Latitude: 32.060 (or, enter 5-digit ZIP/ZCTA code)

Longitude (west assumed): 93.595 (dd.mm.ss format may be used for minutes & seconds)

(Optional) Enter a name for your Site: Mundy Landfill

Enter up to 5 radius values, separated by blanks, in ascending order: 3.5

(Optional) Select one or more states and the program will limit its data search to just those states.

- Missouri
- Alabama
- Alaska

Select the geographic units to be aggregated:

- Let CAPS decide based on smallest radius.
- Block Groups (a few table cells will be missing)
- MCDS (less precise - do not use for smaller circles, i.e. < 10)

Select the Demographic Table(s) of Interest: (See Sample report)

- All Tables
- Population Basics
- Age
- Race and Hispanic
- Relationship of Persons in Households

Uncheck to *suppress* auxiliary report showing county pops within circle (s) ☑

Check to see detailed geographic units within circle(s) report. ☐

Generate Report

Reset Defaults

Page last modified: 03/09/2005 09:25:55

The **Missouri Census Data Center** is a sponsored program of the Missouri State Library within the office of the Missouri Secretary of State. The MCDC has been a partner in the U.S. Census Bureau's **State Data Center** program si 1979.

Questions and comments can be addressed to John Blodgett at OSEDA.

MCDC Demographic Profile 3, 2000 Census

Usage Notes

3.5-mile radius of Mundy Landfill (within Louisiana)

Post-Census Population Estimate and Projection Figures [1]
Population for Jan. 1, 2004 ***estimated*** to be **805** persons.
Population for Jan. 1, 2009 ***projected*** to be **820** persons.

Subject	Number	Percent	SF3 Table
1. Population Basics			
Universe: Total Population			
Total Persons (Sample Est)	**854**		P1
Unweighted Sample Count of Persons	**126**		P2
Total Persons (100% Count)	**714**		P3
Pct Persons Sampled	**17.7**		P4
Urban Population	0	0.0	P5
In Urbanized Areas	0	0.0	
In Urban Clusters	0	0.0	
Rural Population	854	100.0	
Persons on Farms	29	3.4	
Persons Per Sq Mile	**27.1**		

1. Population estimates and projections from Easi Analytic Software, Inc

SF32000x Readme File | Complete metadata(pdf)

Report by the Office of Social and Economic Data Analysis, Univ. of Missouri Outreach & Extension
Under a contract with the Missouri Census Data Center
SOURCE: U.S. Bureau of the Census, Summary File 3, 2000 Decennial Census

Generated on 02FEB06 using dp3_2kb.sas (macro), Rev. 10/6/2005 8:20AM
Address questions and comments to blodgettJ@umsystem.edu

Summary of True Areas of Circles vs. That of Areas Selected to Estimate Them

(This Report Indicates How Well We Were Able to Approximate the Circular Area)

radius	Estimated	True Area	Ratio of Estimate to True Area
3.5	33.75	38.48	0.877

Auxiliary Report: Counties Contributing to Circular Areas
Coordinates: (32.060 , 93.595)

Radius=3.5

County	Total Pop
De Soto Parish LA	854
	854

Attachment A-5

Appendix C - Operational Information

- Appendix C Index
- C-1 List of Operator Certifications
- C-8 Form: Closure Document for the Closure of a Solid Waste Disposal Facility
- C-10 Emergency Notification Roster
- C-12 Landfill Gas Monitoring Procedure
- C-14 Information on LPDES Discharge Monitoring Sheet

Appendix C

Index

APPENDIX C

OPERATIONAL INFORMATION

INDEX

1) List of Operator Certifications
2) Drawing DSW-GP-06: Daily Fill Cross-Section
3) Form: Daily Activity Report
4) Form: Daily Landfill Inspection Report
5) Asbestos Disposal Plan
6) Form: Monthly Equipment Service Report
7) Form: Solid Waste Disposer Annual Report
8) Form: Closure Document for the Closure of A Solid Waste Disposal Facility
9) Emergency Response Plan
10) Emergency Notification Roster
11) Hazardous Waste Exclusion Plan
12) Landfill Gas Monitoring Procedure
13) Alternate Daily Cover Operational Plan
14) Information on ~~NPDES~~ LPDES Discharge Monitoring Sheet
15) Form: ~~NPDES~~ LPDES Sampling Information Sheet (with pH Testing)
16) Form: ~~NPDES~~ LPDES Discharge Monitoring Reports for Outfalls 001 - 006~~5~~
17) Form: White Goods List
18) Sample Safety Meeting Report
19) DeSoto Parish Fire District #8 Certification Letter for Conformance to NFPA Section 472
20) Balentine Ambulance Service Certification Letter for Conformance to NFPA Section 473
21) DeSoto Regional Hospital Certification Letter for Inability to Accept and Treat Patients Contaminated with Hazardous Waste Materials
22) Louisiana State University (LSU) Medical Center, School of Medicine at Shreveport Letter for Ability to Accept and Treat Patients Contaminated with Hazardous Waste Materials
23) Industrial Waste Disposal Plan

Appendix C-1

List of Operator Certifications

OPERATOR CERTIFICATIONS

CURRENT CERTIFICATION

NAME	FACILITY TYPE	DESIGNATION	ISSUED	EXPIRES
Billy O'Neal	Landfill Management of Landfill Operations (MOLO)	Class A.1, Level A	Jan. 2006 Aug 2005	Jan. 2010 Aug 2008
~~Pete Chreene~~	~~Landfill~~ ~~Construction-demolition or woodwaste facility~~ ~~Composting facility~~	~~Class A.1, Level A~~ ~~Class C.1, Level A~~ ~~Class C.2, Level B~~	~~10-12-00~~ ~~04-12-04~~ ~~11-19-02~~	~~10-12-04~~ ~~04-12-06~~ ~~11-19-06~~
Sherman Youngblood	Landfill	Class A.1, Level B	~~01-27-01~~ 01-27-05	~~01-27-05~~ 01-27-09
~~Harris Green~~	~~Landfill~~	~~Class A.1, Level B~~	~~04-12-02~~	~~04-12-06~~
Robert Bratcher	Landfill	Class A.1, Level B	~~04-12-02~~ 03-24-06	~~04-12-06~~ 03-24-10
Zennia Jones	Landfill	Class A.1, Level B	~~04-12-02~~ 03-24-06	~~04-12-06~~ 03-24-10
David Oliver	Landfill	Class A.1, Level B	03-01-04	03-01-08
Fred Jones	Landfill	Class A.1, Level B	~~04-12-02~~ 03-24-06	~~04-12-06~~ 03-24-10
James Barbera	Landfill	Class A.1, Level B	10-26-06	10-26-10
Darlene Perry	Landfill	Class A.1, Level B	10-26-06	10-26-10

Appendix C-8

Form: Closure document for the Closure of a Solid Waste Disposal Facility

CLOSURE OF A SOLID WASTE DISPOSAL FACILITY

The DeSoto Parish police Jury hereby notifies the public that the following described property was used for the disposal of solid waste. This site was closed on (*date facility was closed*) in accordance with the Louisiana Administrative Code, Title 33, Part VII. Inquiries regarding the contents of Mundy Landfill may be directed to the DeSoto parish Administrator or the DeSoto Parish Superintendent of Solid Waste at the DeSoto parish Police Jury, P.O. Box 898, Mansfield, Louisiana, 71052, 318-872-0738.

Property Description:

Entrance Coordinates: Lat. 32 degrees, 3 minutes, 30 seconds
Long. 93 degrees, 35 minutes, 30 seconds

Section 3, Township 12N, Range 12W, DeSoto Parish, Louisiana

Beginning at the Northwest (NW) corner of Section 3, T12N, R12W; thence south 88°43'40" east for a distance of 1306.99 feet; thence south 0°37'08" west for a distance of 1982.85 feet; thence south 84°24'17" west along the northern right-of-way of U.S. Highway 84 for a distance of 1321.13 feet; thence north 0°47'31" east for a distance of 2140.77 feet to the point of beginning and containing 62.007 acres.

Section 4, Township 12N, Range 12W, DeSoto Parish, Louisiana

The Northeast Quarter of Section 4, T12N, R12W containing 160 acres.

_____
William C. Smith
DeSoto Parish Administrator

_____
Date

(A true copy of the document certified by the parish clerk of court must be sent to the LDEQ Office of Environmental Services, Permits Division, Post Office Box 4313, Baton Rouge, LA 70821-4313.)

Appendix C-10

Emergency Notification Roster

EMERGENCY NOTIFICATION ROSTER

NAME	PHONE NUMBER
DeSoto Parish Sheriff's Office	872-3956
Louisiana State Police, Troop G Headquarters	1-318-741-7411
First response area:	
Emergency Fire, Police, Ambulance	911
DeSoto Parish Fire District #8	872-2453
DeSoto Volunteer Fire Department	872-4244
Mansfield Fire Department	872-4221
Balentine Ambulance Service	1-318-222-5358
LSU Medical Center	1-318-675-5410
DeSoto Parish Regional Health System	872-4610
DeSoto Parish Civil Defense Director	872-5130
Landfill Supervisors	872-2500
~~Pete Chreene~~ Billy O'Neal, Solid Waste Supervisor	~~464-8787~~ 393-8219
Sherman Youngblood, Operations Supervisor	464-8788
US Marshall	1-318-676-4200
Poison Control Center	1-800-256-9822
Drug Help Line	1-800-662-4357(HELP)
Jenkins Funeral Home	872-1652
DeSoto Parish Police Jury	
~~Bill Smith~~ Bernon Thomas, Administrator	872-0795
Linda Gatlin, Treasurer	872-0738
Shirley Wheless, Secretary	872-0738
Louisiana Department of Environmental Quality	
Emergency Hotline	1-800-535-8763
	1-225-342-1234
Northwest Regional Office	1-318-676-7476

Appendix C-12

Landfill Gas Monitoring Procedure

LANDFILL GAS MONITORING PROCEDURE

As required by §711.D.3.a.of the Solid Waste Rules and Regulations, Mundy Landfill has established and maintains a plan for the control and monitoring of landfill gases and air quality at the facility. This plan includes several facets: landfill construction; landfill operations; a gas collection and removal system; air monitoring; record keeping; reporting; and remediation.

Landfill Gas Generation.

In 1996, the Office of Air Quality approved an Initial Design Capacity Report (IDCR) for Mundy Landfill which exempted the facility from compliance with Environmental Protection Agency and Department of Environmental Quality regulations concerning active landfill gas removal. Current anticipated disposal quantities at Mundy Landfill are only approximately twenty percent (20%) of the threshold for required active gas removal compliance. Refer to the IDCR and the accompanying approval letter in Appendix J.

Site Characteristics.

The type and frequency of monitoring is based upon several factors. Soil conditions at Mundy Landfill are discussed in the subsurface investigation report in Appendix H. That document describes the dense clays that exist below the surface and the very dense and impermeable clay cell liners and caps that can be constructed using these materials. The in situ clays protect surface features of the site by acting as a barrier against migration of escaped landfill gas upward to the surface, where it could infiltrate buildings or perch in low areas and cause potential explosions. The constructed clay liners and caps contain landfill gas from leaving the disposal cells except where proscribed, as described below.

The clay soils, liners, and caps, in conjunction with the topography of the area around the landfill also work to control gas generation. Moisture enhances waste decomposition and gas generation, so prevention of moisture from entering disposal cells tends to reduce gas production. The Hydrologic Evaluation of Landfill Performance (HELP) used to estimate leachate generation in closed disposal cells indicates, by the low volumes of leachate produced, that little moisture enters cells, in turn reducing landfill gas production.

Features of the landfill also mitigate the effects of landfill gas. There are only three small buildings on site, a storage shed/workshop and a mechanic shop near the sedimentation pond and the operator's building at the site entrance. Both are at least two hundred (200') feet from disposal cells capable of producing gas. The rural site location minimizes any nuisance effects of landfill gas, since there are no nearby neighbors, and its position at the top of a hill limits gas migration below ground, since it will tend to "daylight" due to topography before migrating any great distance beyond the landfill boundaries.

Landfill Construction.

Methane gas produced by the decomposition of disposed waste materials is controlled by the use of compacted clay liners, final caps, and passive gas removal systems in disposal cell construction and closure. Compacted clay liners (Cells I - V), composite cell liners (Cells VI - VIII ~~VII~~), and

compacted clay closure caps minimize gas generation by minimizing moisture entering the cells, and contain landfill gas within disposal cells, where it follows the path of least resistance along cell topography to interception by collection piping. Proper cell liner and cap construction results in a very impermeable barrier against migration.

Perforated collection piping is installed subsequent to the placement of the final closure cap of a cell. Locations selected include high points and intermediate places in long side slopes of capped cells. Orientation is perpendicular to the expected path of gas travel, to maximize interception of the gas. The cap is excavated to the top of the deposited waste materials and a perforated pipe is embedded in crushed stone in the trench. The trench is backfilled, sealing the cap. Voids in the stone help to intercept the gases. The piping is installed at an upward gradient to a high point, where it is connected to a vent riser, at which landfill gas is vented to the atmosphere. Vents are installed on approximate one hundred feet (100') spacings to ensure complete venting of all intercepted gases. Cleanouts are built at spacings which correlate to the equipment used by the operators to maintain the system.

Landfill Operations.

Activities which are performed on a regular basis and which are part of the landfill gas monitoring procedure include the following:

1) The use of daily (whether synthetic or soil) and interim cover over the deposited and compacted garbage controls the outward movement of landfill gas.
2) The gas collection and removal system is inspected and maintained in optimal condition.
3) The site is monitored on at least a quarterly basis by landfill personnel trained in the use of the equipment provided for the detection of any gas. This monitoring includes the inside of all buildings and the outside areas to the perimeter of the property, and ensures that concentrations of landfill gas do not approach the limits pertaining to the Lower Explosive Limits. The gas probe is extended down into monitoring wells, piezometers, and other underground construction to determine the extent of any gas migration beyond cell boundaries. Piezometer construction along the perimeter of the property is ideal for determination of landfill gas migration beyond the boundaries of the landfill.
4) Landfill personnel are trained and alert to the smell of landfill gas during the performance of daily activities, and to safety procedures to be followed when necessary.

Monitoring.

Air is monitored outside, within the facility boundaries, and within facility buildings for methane content. The maximum allowable methane is the lower explosive limits (LEL) outside, and twenty-five percent of the LEL within the buildings. Air monitoring is done at least quarterly, having been established at that frequency after evaluation of site soil conditions, hydrogeologic conditions, hydraulic conditions, geometric conditions, and design conditions, and review of the results of monitoring since the beginning of disposal operations. Personnel are trained in the proper use of the

monitoring equipment, and the equipment is kept calibrated and in proper working order.

The monitor is the Leak Tester, by American Gas Company, and has been used at the landfill for over ten years. It was calibrated by the manufacturer for the monitoring requirements at the landfill, and emits an audible signal if gas exceeding the required limits is detected. The landfill superintendent monitors landfill gas with this instrument within the three site buildings, and also checks for gas migration at the ground surface and below ground at the property boundaries. Below ground monitoring is performed by extending a probe down into underground structures, such as monitoring wells, gas wells, and piezometers. The system of piezometers installed around the site boundary in 1996 for the subsurface investigation is used for monitoring at the property lines.

Records

All records concerning surveys, inspections, and monitoring are kept at Mundy Landfill, and are available to LDEQ inspectors for review. Such records include monitoring frequency, methods, and results, detections or observations of strong odors or other indications of the presence of landfill gas by site personnel at or within facility boundaries during operation, and all maintenance, damage, and repairs to the landfill gas removal system. The landfill gas monitoring log contains the date, the locations monitored, and the results.

Remediation

The detection of strong odors or methane content exceeding allowable levels is cause for landfill personnel to perform the following procedure:

1) Act immediately to protect human health and safety.
2) Immediately notify the Louisiana Department of Environmental Quality.
3) Submit a report to the LDEQ within seven (7) days which details the methane content levels detected and steps taken to safeguard human health and safety.
4) Submit a second report within thirty (30) days to the LDEQ which details the procedures to remedy the problem, including an implementation plan.
5) Implement the approved remediation plan within sixty (60) days.

Appendix C-14

Information of LPDES Discharge Monitoring Sheet

INFORMATION ON DISCHARGE MONITORING

LOCATION:
001 - Polishing Ponds
002 - Sedimentation Pond #1
Northeastern Part of Site
~~North Sedimentation Pond~~
003 - Sedimentation Pond #2
Northern Part of Site
~~Western & Drainage Ditch~~
004 - Northeastern ~~North & Eastern~~ Part of Site
005 - Southeastern ~~South & Eastern~~ Part of Site
006 - Sedimentation Pond #3
Northwestern Part of Site
~~South & Western Part of Site - No discharge, no longer sampled~~

RAINFALL:
Check daily when raining
Outfalls - check daily when raining

SAMPLE INFORMATION:
001 - Acid & Plain Water
002 - Acid & Plain Water
003 - Acid & Plain Water
004 - Plain Water
005 - Acid & Plain Water
006 - Acid & Plain Water
~~No discharge, not sampled~~

MAILING DATES ON DMR:
January 28th for October-December
April 28th for January-March
July 28th for April-June
October 28th for July-September

5 - Bottles with Plain Water
4 - Bottles with Acid Preservative ~~in water~~

DMRs:
Complete Monthly
Mail Quarterly (3 months)

WHEN TO TAKE SAMPLES:
001 - Weekly with flow
002 - Monthly with flow
003 - Monthly with flow
004 - Monthly with flow
005 - Quarterly (3 months) with flow
006 - Monthly with flow

Samples must be delivered to ~~at~~ lab within 24 hours
pH - 6 to 9

Note: If there is no flow, mark DMR "No Flow" for that month
002 - 4" PVC pipe opened full flow = 1440 gallons per hour

Attachment A-6

Appendix E - Surface Water Controls

- Appendix E Index
- E-1 Surface Water Controls
- E-2 Sheet JEI-WP2-01 showing site drainage
- E-3 Sheet JEI-WP2-02 topographic map showing local drainage
- E-4 Sheet JEI-WP2-03 illustrating site surface water flow chart
- E-6 Louisiana Department of Environmental Quality LPDES Water Discharge Permit No. LA0066702
- E-7 LPDES Revised Permit Application to Discharge Wastewater from Industrial Facilities dated March 22, 2006

Appendix E

Index

APPENDIX E

SURFACE WATER CONTROLS

INDEX

1) Surface Water Controls
2) Sheet JEI-WP2-01 showing site drainage
3) Sheet JEI-WP2-02 topographic map showing local drainage
4) Sheet JEI-WP2-03 illustrating site surface water flow chart
5) Drawing DSW-SW-04A: Rainfall Map (excerpt from U. S. Department of Commerce Technical Paper No. 40)
6) Louisiana Department of Environmental Quality ~~Water Discharge Permit (LADEQ) WP1108~~ LPDES Water Discharge Permit No. LA0066702
7) LPDES Revised Permit Application to Discharge Wastewater from Industrial Facilities dated March 22, 2006 ~~U.S. Environmental Protection Agency National Pollutant Discharge Elimination System (NPDES) Permit LA0066702~~
8) ~~LPDES Permit Application to Discharge Wastewater from Industrial Facilities dated November 12, 2004~~

Appendix E-1

Surface Water Controls

SURFACE WATER CONTROLS

REGIONAL DRAINAGE SYSTEM

As shown in the Parish drainage map (Drawing DSW-SW-01A in Appendix N), surface water runoff in DeSoto Parish is divided into two major watersheds. The drainage divide cuts the parish into the Sabine River and Red River Basins down a ridge line that meanders from the northwest between Keatchie and Kickapoo, east of Grand Cane, through Mansfield, and southeast to the parish line on a course east of and approximately parallel to Louisiana Highway 175. This line divides the Parish into more or less equal watershed networks.

Mundy Landfill is located in the watershed network draining to the Red River Basin. The site drains through unnamed drainage ways to Buffalo and Mundy Bayous, which drain to Bayou Pierre Lake and on to Bayou Pierre, a major tributary of the Red River. Sheet JEI-WP2-02 in this appendix shows this local drainage pattern.

SITE DRAINAGE SYSTEM

In accordance with the Louisiana Solid Waste Rules and Regulations, a surface water runoff control system is being used to control surface runoff generated by a maximum 24-hour, 25-year rainfall event (refer to the 9-inch storm event design standard in §711.A.3). Control methods include berms, terraces, drainage ditches, routine erosion and sediment control, turf treatment, sedimentation, and leachate collection and treatment. These practices prevent:

- offsite drainage from entering the areas of active waste disposal operations, and
- drainage from the areas of active and closed waste disposal operations from leaving the site without passing through an acceptable containment, settlement, and/or treatment system to ensure that all standards set forth in federal and state wastewater discharge permits are met.

There are ~~six (6)~~ five (5) permitted discharge points at Mundy Landfill~~, five of which~~ that are currently monitored. These five points (Outfalls 001-005) are monitored for compliance with ~~LDEQ Water Discharge Permit WP-1108 and USEPA NPDES~~ LPDES Permit LA0066702. Outfall 006 at the southwest corner of the existing landfill was ~~is no longer monitored as no discharge occurs from this point. It is~~ deleted from the monitoring program in the 2004 LPDES Permit Application. ~~included in this appendix. Changes to Outfall 006 are described below.~~ A new Outfall 006 on the northwest side of the Cell VIII area is added in the 2006 Revised LPDES Permit Application that is included in this appendix. Outfalls 001 through ~~005~~ 006 are shown on ~~drawing~~ Sheet JEI-WP2-01, as well as the flow chart of surface water controls, Sheet JEI-WP2-03, both of which are included in this appendix. This flow chart schematically illustrates methods of controlling discharge at the discharge points, as described below.

Outfall 001.

Discharge from Outfall 001 is to an on-site drainage ditch, which conveys the effluent to Outfall 003, which is described below. Outfall 001 is the major source of site wastewater, being the outfall of the

oxidation pond and polishing ponds, which comprise the wastewater treatment plant that treats all site leachate, contaminated storm water, and runoff from the equipment wash pad. The leachate collection system transports all leachate from the closed cells and contaminated rainfall that percolates through the waste at the active waste disposal face to the oxidation pond. Additional pond influent comes from the equipment wash pad east of the pond via storm sewer, and consists of soaps and dirty water. The wastewater treatment plant was upgraded in 1997 with the renovation of the oxidation pond and construction of two concrete polishing ponds to provide adequate detention capacity for the design 25-year, 24-hour storm event. The treatment consists of detention, sedimentation, aeration and biological treatment, and evaporation. Samples are collected from Outfall 001 at the south end of the polishing ponds during any and all discharges, which occur after rainfall events. These discharges are infrequent, due to the low flows going to the ponds for treatment and the high evaporation rate, which maintain the level in the ponds lower than that necessary for outfall.

Outfall 002.

Discharge from Outfall 002 is to an unnamed tributary of Buffalo Bayou. This discharge point is immediately north of and downstream of ~~the~~ sedimentation pond #1 ~~at the north end of the facility~~ on the north side of the existing landfill. The outfall includes water discharged from this pond and undetained stormwater from about 0.75 acre in the vicinity of the pond. Pond influent consists mostly of silt-laden runoff, which is otherwise uncontaminated, from drainage ditches, the primary access road, and the closed, capped disposal cells. Much of the flow from the capped, closed cells enters the pond through a culvert under the primary site access road. Such water is detained until most of the silt has settled to the pond bottom. Pond water is used as the water source for the equipment wash pad.

Outfall 003.

This discharge point is ~~at the northwest corner~~ on the north-central side of the site between the water treatment plant and the Cell VIII area. Sources of runoff draining to this point include the construction debris and trash area, Outfall 001 (the wastewater treatment plant), the current borrow area west of Cell VII, Phase 1, upstream site and off-site runoff, and capped waste disposal cell areas. This outfall will drain the east side of the Cell VIII area. As shown on Sheet JEI-WP2-01, this drainage area is the largest on the site. All of these areas of the facility ~~runoff~~ drain to a ~~drainage~~ ditch ~~which approximately follows the west property line to the northwest corner~~ that flows northward between Cell VII, Phase 1 and the Cell VIII area to sedimentation pond #2. ~~A second~~ This sedimentation pond was constructed as part of the Cell VII, Phase 1 project to provide erosion control and de-silting of runoff in the western part of the existing landfill. This sedimentation pond is located on the ~~northwest side of the landfill property~~ in the north-central portion of the site between Cell VII and Cell VIII just upstream of Outfall 003. As part of the development of Cell VIII, sedimentation pond #2 will be enlarged by extending it to the south. Discharges from Outfall 003 are to an unnamed tributary of Buffalo Bayou.

Outfall 004.

Areas draining to this discharge point include the buffer zone east of the access road and the northeast corner of the property. These areas are vegetated or covered with gravel and do not require

de-silting. Discharge is to an unnamed tributary of Buffalo Bayou.

Outfall 005.
This outfall is at the southeast corner of the landfill. Drainage is from ancillary areas of the site (office/scalehouse, scales, parking area, and access road) and on-site runoff. Discharge is to an unnamed tributary of Mundy Bayou via a drainage ditch flowing east along the north side of the U.S. Highway 84 right-of-way.

Outfall 006.
~~A small area of the facility formerly drained to its southwest corner, where Outfall 006 was located, prior to the construction of Waste Disposal Cell V. Discharge from Outfall 006 was into a drainage ditch flowing west along the north side of the U.S. Highway 84 right-of-way, which discharged into tributaries of Buffalo Bayou.~~

~~Since the construction of Cell V, site discharge from this point has ceased. Construction of the cell and access road has lowered the ground surface on-site to a point lower than that outside the property lines. Site runoff stays within the property and follows the road to interception by the drainage ditch which flows north along the west property line to Outfall 003 (see above). Due to the termination of discharge from this outfall, the applicant has requested the elimination of this outfall from the permits issued to the facility. This change has been recommended by LDEQ inspectors during site visits.~~

Outfall 006 will discharge from sedimentation pond #3 on the northwest side of the Cell VIII area. The Cell VIII disposal area will be constructed in stages, which will cover about 33 acres when complete. The first stage of construction will develop generally from the north end of the cell "foot print" shown on revised Sheet JEI-WP2-01. The subsequent stages of construction will develop waste disposal areas successively to the south of the first area. Uncontaminated storm water runoff from the Cell VIII area will be routed to the northeast and northwest to sedimentation ponds #2 and #3, respectively. These ponds will also provide erosion control during construction of Cell VIII. Discharge of uncontaminated storm water from the north, south, and west sides of the Cell VIII area (about 26.7 acres) will be routed to ditches around the north, south, and west sides of the cell to sedimentation pond #3 on the northwest side of the cell. This pond will discharge from Outfall 006 through a culvert to the unnamed stream that flows northward along the west side of the Cell VIII area to Buffalo Bayou.

SAMPLING AND TESTING
Samples are currently collected by landfill personnel at Outfalls 001-005 after all rainfall events, except for Outfall 001, which often has no flow (wastewater treatment plant discharge). Sample collection, containers, preservation, and analyses are in accordance with "Test Methods for Evaluating Solid Waste," USEPA SW-846. Temperature and pH are measured on-site immediately following sample collection using calibrated digital meters. Samples are shipped to a Louisiana-accredited laboratory via the laboratory courier. Samples are tested in accordance with the surface water discharge permits issued to the facility, and discharge monitoring reports are completed for

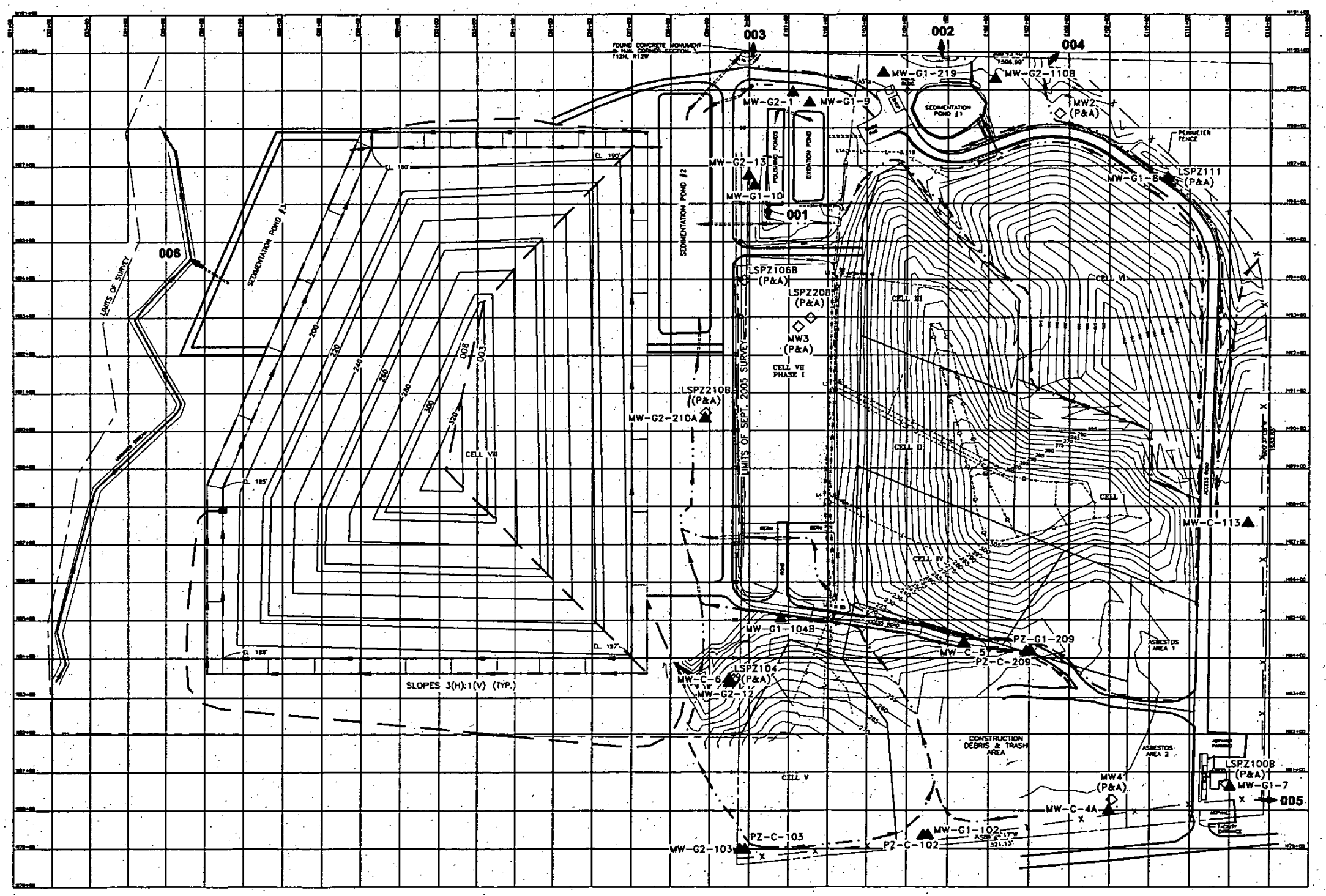
each outfall, stored at the landfill, and submitted to the LDEQ on a quarterly basis. Sampling for Outfall 006, when permitted and constructed, will be conducted in a similar fashion.

BEST MANAGEMENT PRACTICES

In November 2004, the applicant submitted a LPDES permit application for renewal and modification of the expired LADEQ and NPDES water discharge permits ~~which are included in this appendix.~~ In 2006, the applicant submitted a revised LPDES permit application that added Cell VIII and Outfall 006 to the permit. The applicant is in the process of preparing a Best Management Practices Plan. This Plan will aid in the control of pollutants that are picked up by surface runoff and carried off-site at the outfall points. Major constituents of the Plan will consist of vegetation of the site; containment of the various types of waste materials found on the property with berms, cell liners and caps, and cover materials; sedimentation in the ~~two~~ three ponds; other erosion control measures; and control of surface runoff with drainage ditches, diversion berms, and impoundments.

Appendix E-2

Sheet JEI-WP2-01 showing site drainage



LEGEND:

- PERMITTED OUTFALL
- SURFACE DRAINAGE FLOW DIRECTION
- OUTFALL 003/006 DRAINAGE DIVIDES FOR CELL VIII
- MONITORING/PIEZOMETER WELL
- MONITORING/PIEZOMETER WELL (PLUGGED & ABANDONED)
- CONCRETE MONUMENT
- PIPING/MANHOLE (REMOVED)
- L — LEACHATE SEWER
- S — STORMWATER SEWER
- P — WASTEWATER TREATMENT PLANT PIPING
- G — LANDFILL GAS PIPING
- PROPERTY LINE
- CULVERT
- 250 — TOPOGRAPHIC CONTOUR LINE (5 FT. CONTOUR INTERVAL FOR EXISTING LANDFILL, 20 FT. CONTOUR INTERVAL FOR CELL VIII CAP)

REFERENCE:
Existing Conditions Plan by Bolar Engineers & Surveyors dated September 2001.

Drawing DSW-GP-20A by Aillet, Fenner, Jolly, & McClelland, Inc. dated October 1, 1999.

0 300 600

Mundy Landfill
2712 Highway 84 East
Mansfield, Louisiana 71052

DeSoto Parish Police Jury
P.O. Box 898
Mansfield, Louisiana 71052

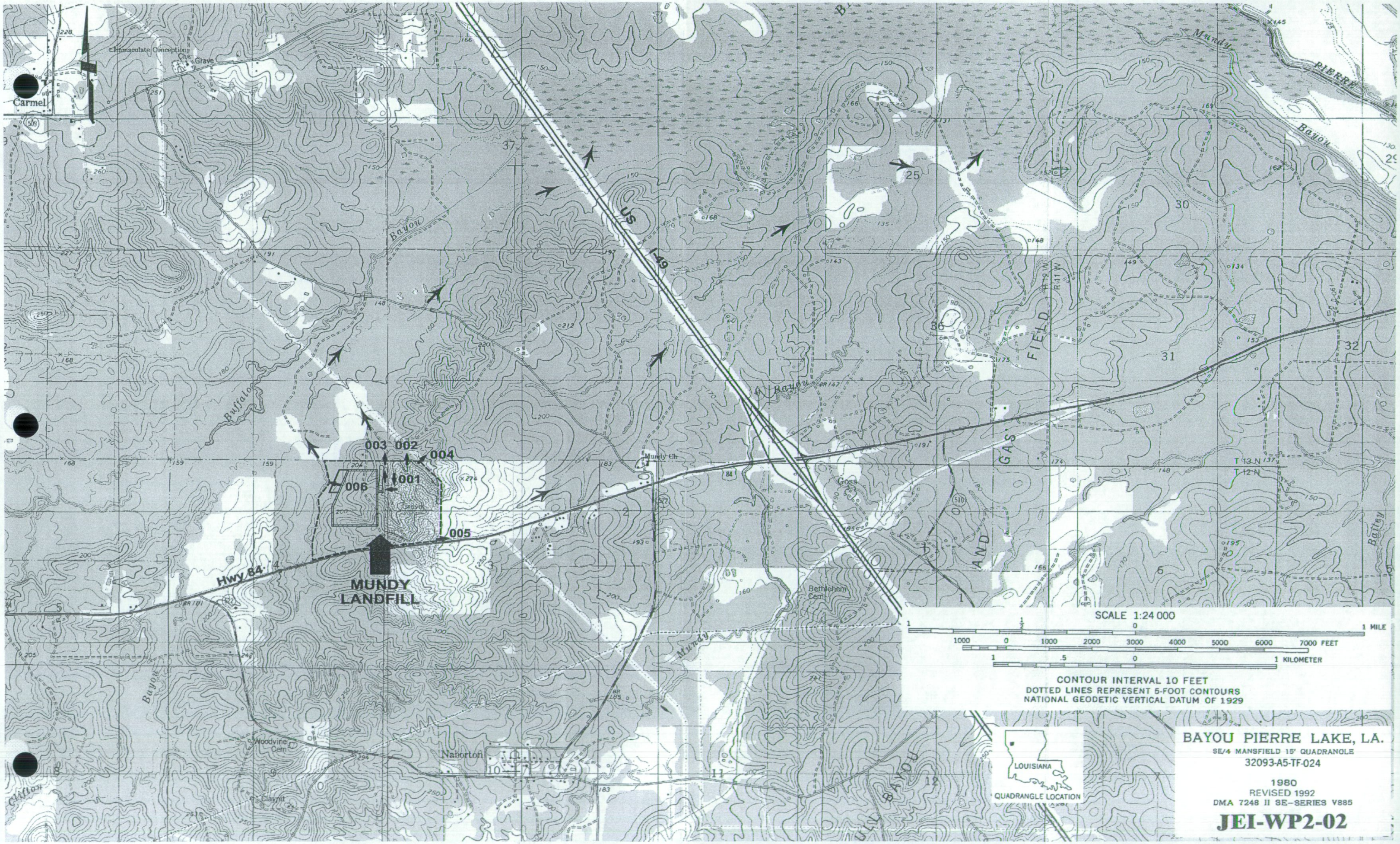
JEI # :	WATER	DATE	HORIZONTAL SCALE: 1" : 300'
DWN BY :	JCI	03/22/06	CONTOUR INTERVAL: AS SHOWN
CK BY :	SM	03/22/06	DATUM: MSL

Jones Environmental, Inc.
708 Milam St., Ste. 100, Shreveport, LA
(318) 226-8444

JEI-WP2-01
SITE DRAINAGE DIAGRAM

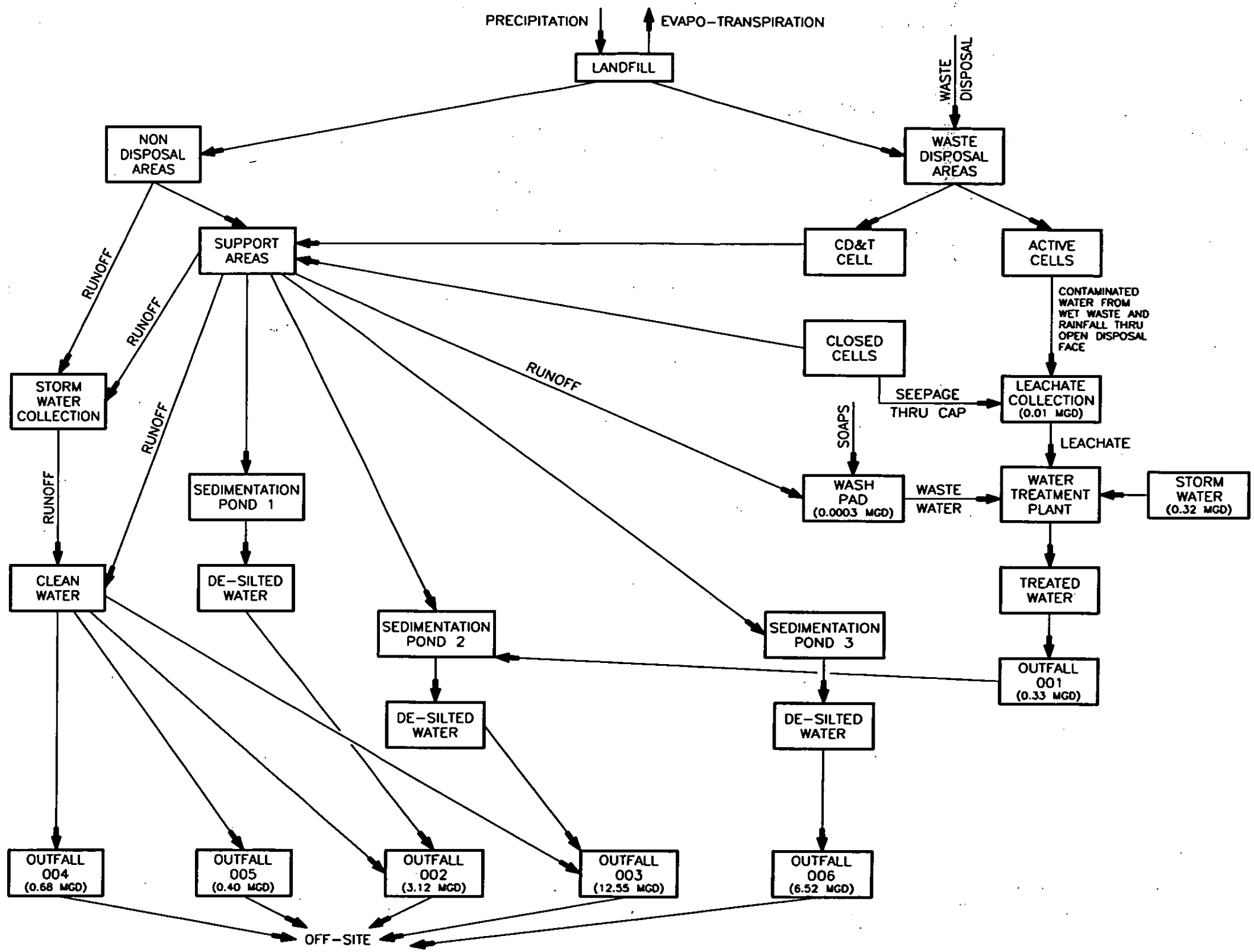
Appendix E-3

Sheet JEI-WP2-02 topographic map showing local drainage


Carmel
Immaculate Conception Chx
Grave
US 149
Bayou
Buffalo
Mundy
PIERRE
Bayou
GAS FIELD
T 12 N
R 11 W
T 13 N
T 12 N
Munly Ch
Goss
Bethlehem Cem
Hwy 84
MUNDY LANDFILL
003
002
004
001
006
005
Naborton
Woodvine Cem
Claymit
Bayou
Bailey
SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER
CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
LOUISIANA
QUADRANGLE LOCATION
BAYOU PIERRE LAKE, LA.
SE/4 MANSFIELD 15' QUADRANGLE
32093-A5-TF-024
1980
REVISED 1992
DMA 7248 II SE-SERIES V885
JEI-WP2-02

Appendix E-4

Sheet JEI-WP2-03 illustrating site surface water flow chart



Note: Stormwater discharge calculated for 24-hour/25-year design storm per LAC 33:VII.711.A.3.

JEI # : WATER		DATE
DWN BY : HMM-JOI		03/22/06
CK BY : SM		03/22/06
SCALE : NOT TO SCALE		
SHEET 1 OF 1		

Mundy Landfill
2712 Highway 84 East
Mansfield, Louisiana 71052

DeSoto Parish Police Jury
P.O. Box 898
Mansfield, Louisiana 71052

Jones Environmental, Inc.
708 Milam St., Ste. 100, Shreveport, LA
(318) 226-8444

SHEET

JEI-WP2-03
WATER FLOW DIAGRAM

Appendix E-6

Louisiana Department of Environmental Quality LPDES Water Discharge Permit No. LA0066702

LPDES PERMIT
NUMBER: LA0066702
AGENCY INTEREST
NUMBER: AI19803
PER20040002

OFFICE OF ENVIRONMENTAL SERVICES

Water Discharge Permit

Pursuant to the Clean Water Act, as amended (33 U.S.C. 1251 et seq.), and the Louisiana Environmental Quality Act, as amended (La. R. S. 30:2001 et seq.), rules and regulations effective or promulgated under the authority of said Acts, and in reliance on statements and representations heretofore made in the application, a Louisiana Pollutant Discharge Elimination System permit is issued authorizing

DeSoto Parish Police Jury
Mundy Sanitary Landfill
P. O. Box 898
Mansfield, LA 71052

Type Facility: a residential and commercial solid waste landfill

Location: 2712 Hwy. 84 East, Mansfield, DeSoto Parish

Receiving Waters: Outfall(s) 002 through 004 flow to an unnamed ditch, thence into an unnamed local drainage tributary, thence into Buffalo Bayou, and Outfall 005 flows to a highway ditch, thence into an unnamed local drainage tributary, thence into Mundy Bayou

to discharge in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III attached hereto.

This permit shall become effective on June 1, 2005

This permit and the authorization to discharge shall expire five (5) years from the effective date of the permit.

Issued on May 12, 2005

Karen K. Gautreaux
Deputy Secretary

Appendix E-7

LPDES Revised Permit Application
to Discharge Wastewater from Industrial Facilities dated March 22, 2006

LPDES PERMIT APPLICATION TO DISCHARGE WASTEWATER FROM INDUSTRIAL FACILITIES

MUNDY LANDFILL
2712 U.S. HIGHWAY 84 EAST
MANSFIELD, LA 71052
FACILITY NO. D-031-1827
AGENCY INTEREST NO. 19803

PREPARED FOR:
DESOTO PARISH POLICE JURY
P.O. BOX 898
MANSFIELD, LA 71052

PREPARED BY:
JONES ENVIRONMENTAL, INC.
708 MILAM STREET, SUITE 100
SHREVEPORT, LA 71101

MARCH 22, 2006

To: Prospective Applicants for an Industrial Wastewater Discharge Permit

Attached is an **Industrial Wastewater Discharge Permit Application, SCC-2,** for a Louisiana Pollutant Discharge Elimination System (LPDES) permit, authorized under EPA's delegated NPDES program under the Clean Water Act. To be considered complete, every item on the form must be addressed and the last page signed by an authorized company agent. If an item does not apply, please enter "NA" (for not applicable) to show that the question was considered.

Your **completed application**, with a marked **U.S.G.S. Quadrangle map** or equivalent attached, should be submitted to:

Department of Environmental Quality
Office of Environmental Services
Post Office Box 4313
Baton Rouge, LA 70821-4313
Attention: Permits Division

Please be advised that completion of this application may not fulfill all state, federal, or local requirements for facilities of this size and type.

According to L. R. S. 48:385, any discharge to a state highway ditch, cross ditch, or right-of-way shall require approval from:

Louisiana DOTD Office of Highways Post Office Box 94245 Baton Rouge, LA 70804-9245 (225) 379-1301	AND	Louisiana DHH Office of Public Health 6867 Bluebonnet Road, Box 7 Baton Rouge, LA 70810 (225) 765-5044

In addition, the plans and specifications for sanitary treatment plants must be approved by the Louisiana DHH, Office of Public Health at the address above.

A copy of the LPDES regulations may be obtained from the Department's website at http://www.deq.state.la.us/planning/regs/index.htm or by contacting the Office of Environmental Assessment, Regulations Development Section, Post Office Box 4314, Baton Rouge, Louisiana 70821-4314, phone (225) 219-3550.

If you have any questions, please contact DEQ at (225) 219-3181.

Date 3/22/06

Agency Interest No. AI 19803
LWDPS Permit No. WP 1108
NPDES/LPDES Permit No. LA 0066702

Please check:
- ☐ Initial Permit
- ☒ Permit Modification
- ☐ Permit Renewal
- ☒ Existing Facility

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Environmental Services, Permits Division
Post Office Box 4313
Baton Rouge, La 70821-4313
PHONE#: (225) 219-3181

LPDES PERMIT APPLICATION TO DISCHARGE WASTEWATER FROM INDUSTRIAL FACILITIES

(Attach additional pages if needed.)

Application to the Department of Environmental Quality (DEQ) may be additionally be submitted on the following:

1. Appropriate EPA National Pollutant Discharge Elimination System (NPDES) Application:
   Form 1 and one of the following appropriate forms: Form 2B, Form 2C, Form 2D, Form 2E, or Form 2F
   plus
   Section VII (if appropriate) & *1701 SECTION* of this form (SCC-2)

SECTION I - FACILITY INFORMATION

A. Permit is to be issued to the following: (must have operational control over the facility operations - see LAC 33:IX.2501.B and LAC 33:IX.2503.A and B).

1. Legal Name of Applicant/Owner
   (Company, Partnership, Corporation, etc.) DeSoto Parish Police Jury

Facility Name Mundy Landfill

Mailing Address P.O. Box 898

Mansfield, LA Zip Code: 71052

If applicant named above is not also the owner, state owner name, phone # and address.

NA

Please check status: ☐ Federal ☒ Parish ☐ Municipal ☐ State ☐ Public ☐ Private ☐ Other:

2. Location of facility. Please provide a specific street, road, highway, interstate, and/or River Mile/Bank location of the facility for which the application is being submitted.

2712 Hwy 84 East

City Mansfield, LA Parish DeSoto

Front Gate Coordinates:

Latitude- 32 deg. 03 min. 26 sec. Longitude- 93 deg. 35 min. 22 sec.

Method of Coordinate Determination: electronic quad map (Maptech, Inc., copyright 1997)/previous permit
(Quad Map, Previous Permit, website, GPS)

SECTION I - FACILITY INFORMATION

Is the facility located on Indian Lands? ☐Yes ☒No

SECTION I - FACILITY INFORMATION (cont.)

3. Name & Title of Contact Person at Facility Billy O'Neal, Landfill Superintendent

Phone 318-872-2500 Fax 318-872-2541 e-mail billyoneal@bayou.com

Facility Federal Tax I.D. 72-6000-339
nine-digit number

SIC (Standard Industrial Classification) Code(s): 4653

SIC codes can be obtained from the U. S. Department of Labor internet site at http://www.osha.gov/oshstats/sicser.html

B. Name and address of responsible representative who completed the application:

Name & Title Sarah E. Moore, Staff Geologist

Company Jones Environmental, Inc.

Phone 318-323-3307 Fax 318-323-5592 e-mail sarahm@jeiinc.com

Address 1204 Stubbs Avenue, Suite B, Monroe, LA 71201

C. Facility Information.

1. Facility Type Type I/II/III landfill (industrial waste/ municipal & commercial waste/construction debris & trash) (cannery, oil refinery, dairy, etc.)

If concentrated animal feeding operation or aquatic animal production facility, complete EPA Form 2B.

2. Water Discharge Permit Revision (if applicable): Describe the requested revision to the existing permit.

The facility received LPDES Permit LA0066702 dated May 12, 2005 from the LDEQ. This permit authorizes discharges from outfalls 001-005. This permit application requests authorization to discharge from an additional outfall to be designated 006. Outfall 006 will accommodate uncontaminated storm water discharged from the area of a new waste disposal cell (Cell VIII) to be constructed west of the existing landfill.

3. Source of water supply in gallons per day. List each source giving quality such as fresh, brackish, salt, hard, or soft; and give breakdown as to how each source is used.

Metered potable water from the East DeSoto Water System - 275 gpd - Used for sanitary facilities in the office/scalehouse, washdown of asphalt parking area and scales adjacent to office/scalehouse, irrigation of landscaping near the site entrance, and emergency shower in the shop.

Fresh water from sedimentation pond on northeast portion of site- 700 gpd- The source is uncontaminated storm water runoff from drainage ditches, the primary access road, and closed, capped disposal cells. This water is used to wash down equipment on the concrete wash pad and to mix alternate daily cover material.

SECTION I - FACILITY INFORMATION (cont.)

D. Facility Operations.

1. Processes used which produce industrial wastes discharged into waters of the State. Please explain the operations in your facility in a comprehensive fashion. Include a description of the composition of any cooling water additives. If you are a producer of a product, what steps are taken to produce that product, especially those that generate a waste stream? If you are provider of a service, be specific (give quantitative values where possible, i.e. a physical measure of the amount of business you do in an average day, week, or month) about what the service is, how it is provided, and how it generates wastewater. Attach extra sheets if space below is insufficient. If appropriate, make processes coincide with sources identified in Section II.

   Mundy Landfill disposes of residential and commercial waste, industrial waste, asbestos, and construction debris and trash (CD&T). Residential and commercial waste, asbestos, and industrial waste are currently disposed in Cell VII, Phase 1. This cell has a composite liner. Future disposal of these waste types will be in Cell VIII which will be built west of Cell VII, Phase 1. This cell will also have a composite liner. CD&T is disposed in a clay-lined disposal cell (Continued on attached page).

2. Products/Services

   Disposal of residential and commercial waste, industrial waste, asbestos, and CD&T by landfilling (Type I/II/III facility as recognized by LDEQ Solid Waste Rules and Regulations).

3. Raw Materials

   NA-Soil cover material obtained on the site, alternate daily cover material (a mixture of cellulose fiber and a plaster binder), and petroleum fuels and oils used to operate equipment are materials used in operation of the landfill

4. Guideline/Production. If an effluent guideline applies to the applicant and is expressed in terms of production (or other measure of operation), a reasonable measure of the applicant's actual production for each product reported in pounds per year, or other applicable units, is necessary. A reasonable measure of actual production may be either the maximum 30-day average production of the previous year, or the monthly average for the highest of the previous five years. For new sources or new discharges, actual production may be estimated using projected production for the first two years.

Guideline (Citation)	Production	Unit
NA	NA	NA

5. Zebra Mussels. Describe any treatment employed or planned at the facility to eliminate/combat zebra mussel incursion.

   Mundy Landfill has not had to combat zebra mussels. If zebra mussels are encountered, the facility will take immediate action to develop a plan before incursion becomes an issue.

6. List any solid or liquid waste disposal methods and facilities. Include a description of the ultimate disposal of solid or liquid wastes that are disposed of other than by discharge.

   Solid wastes are disposed by landfilling as described above. Disposal of liquid waste is strictly prohibited at Mundy Landfill.

SECTION I – FACILITY INFORMATION (cont.)

D. Facility Operations

1. on the south side of the facility. Construction of an additional CD&T cell in the "valley" between closed Cells II, III, VI and Cell VI is planned. Waste is disposed by depositing it in lifts according to an established grid system, compacting it with heavy equipment, then covering it with daily, interim, and final cover materials. In 2004, the landfill has disposed of 30,027 tons of waste. In 2005, 40,613 tons of waste were disposed at the landfill. The disposal volumes are expected to continue increasing due to marketing efforts to promote the facility's industrial waste disposal capability. Processes that produce waste water and stormwater discharged into waters of the State are described below.

1) Leachate generated from the active disposal cell and from inactive and closed disposal cells, stormwater contaminated by contact with the active disposal face, and wash water from the equipment wash pad are routed to the water treatment plant prior to discharge via Outfall 001. Rainfall on and up slope from the water treatment plant and on the equipment wash pad is also treated and discharged via Outfall 001.
2) Uncontaminated stormwater from drainage ditches, the eastern access road, and closed, capped disposal cells is channeled to the sedimentation pond #1 on the north-central portion of the site. The water is detained until most of the silt has settled out. Discharge from this pond and some un-detained runoff from the north-central portion of the facility exit the site from Outfall 002.
3) Stormwater runoff draining from the CD&T area, the current borrow area west of Cell VII, capped waste disposal cell areas, Outfall 001, and upstream and off-site runoff all drain to a ditch that flows between Cell VII, Phase 1 and Cell VIII. This ditch flows into sedimentation pond #2 that was constructed at the northwest corner of the site as part of the Cell VII, Phase 1 project to provide erosion control and de-silting of runoff in the western part of the landfill. This sedimentation pond discharges through a culvert beneath the access road to Outfall 003.

The Cell VIII disposal area will be constructed in stages, which will cover about 33 acres when complete. The first stage of construction will develop the north end of the cell "footprint." The subsequent stages of construction will develop waste disposal areas successively to the south of the first area. The successive stages will adjoin and over lap the south side of the previously built stage. Uncontaminated stormwater runoff from the Cell VIII area will be routed to the northeast and northwest to sedimentation ponds. The existing sedimentation pond #2 will be enlarged by extending it to the south. A new sedimentation pond #3 will be constructed on the northwest side of Cell VIII. Uncontaminated stormwater runoff from the east side of the Cell VIII area (about 15 acres) will flow to the ditch between Cells VII and VIII and then to sedimentation pond #2. When Cell VIII is capped, stormwater runoff from the eastern side of the Cell will collect in a perimeter ditch inside the eastern berm and discharge through a culvert on the northeast corner of the cell to sedimentation pond #2. Flow from this sedimentation pond will discharge from Outfall 003.
4) Uncontaminated stormwater runoff from vegetated areas and a gravel storage area on the northeast portion of the site and the east side of the eastern access road discharge from Outfall 004.
5) Discharge of uncontaminated storm water runoff from the southeast corner of the site and water from washing down the asphalt parking lot and scales exits the site at the southeast corner as Outfall 005. No soaps or other cleaners are used in the wash water.
6) Discharge of uncontaminated storm water from the western side of the Cell VIII area (about 26.7 acres) will be routed to ditches around the south and west side of the cell to sedimentation pond #3. This pond will discharge from Outfall 006 through a culvert to the unnamed stream that flows northward along the west side of the Cell VIII area.

SECTION I - FACILITY INFORMATION (cont.)

E. Facility History

1. Anticipated date or original date of startup or change in operations.

   Waste disposal operations began in 1986.

2. When did, or will, present operations start?

   Operations started in 1986. Waste disposal operations are on-going.

3. If applicable, what previous operations were located at the site and what was the name of the facility?

   Prior to development as a landfill, the site was undeveloped.

4. If this is new construction, describe the site property prior to construction. For example, was it undisturbed or there a previous structure on the site? What was the size of the site?

   The existing landfill is 62 acres in size. Construction of Cell VIII and support areas, which will require the addition of outfall 006, will cover approx. 42 acres when completed. The area to be used for construction of Cell VIII is currently undeveloped. A portion of the area is used to excavate fill material. The remainder is wooded.

5. If this is new construction, what date did or will the facility be completed? 2008

6. Is this facility located in a designated industrial area? ☐ Yes ☒ No

7. Has this facility experienced a reportable quantity spill in the last 10 years? If yes, please explain.

   No

SECTION II – DISCHARGE INFORMATION

A. Miscellaneous Discharges

Are there any discharges to the waters of the state such as sanitary wastewaters, hydrostatic wastewaters, once-through non-contact cooling water, washdown water, etc? How are these waters discharged? Describe any treatment associated with each.

Sanitary waste water is discharged to a septic tank adjacent to the office building.

Washdown water from the asphalt parking area and scale adjacent to the office building is discharged at the southeast corner of the site from Outfall 005.

Equipment wash water from the concrete wash pad is routed to the water treatment plant prior to discharge from Outfall 001.

SECTION II - DISCHARGE INFORMATION (cont.)

A. Storm water: Complete the following for all storm water discharges. (Make additional copies if necessary.)

1. Are storm water discharges covered by either the Baseline or Multi-Sector Storm Water General Permit?

☐ Yes ☒ No If yes, provide the permit number:

Number of Storm water discharges: 5

Discharge Identification (ex. Storm water Outfall 001): All stormwater discharges from Outfalls 002-006 are included under this individual permit.

1. Acreage. For all outfalls that convey storm water only or that include storm water combined with other waste steams, give the area drained by the outfall in acreage, extent of impervious surfaces (paved areas, rooftops), and describe the activities that occur in that area.

Outfall 002 discharges runoff from sedimentation pond #1 that receives stormwater from 12.0 acres including the access road and closed disposal cells on the east side of the facility. It also discharges undetained stormwater from about 0.75 acre on the north-central portion of the facility. Impervious areas of 0.71 acre include the west half of the eastern access road, the metal building, shop, and surrounding concrete area.

Outfall 003 drains the majority of the existing landfill, 34.7 acres, which includes Cells I-VII, the CD&T cell, and portions of closed asbestos cells 1 and 2. Outfall 003 will also drain stormwater from about 15 acres on the east side of Cell VIII. Most runoff is detained prior to discharge by sedimentation pond #2, located northwest of Cell VII. Impervious surfaces of about 2.7 acres include the all-weather access road to Cell VII, the Cell VII perimeter road, and the eastern perimeter road for Cell VIII.

Outfall 004 drains 2.75 acres including part of the buffer zone east of the eastern access road and the northeast corner of the property. Impervious surfaces of 0.33 acre include the eastern half of the eastern access road.

Outfall 005 drains 1.65 acre on the southeast corner of the facility. Impervious surfaces of 0.45 acre include asphalt parking areas, the office/scalehouse, scales, and paved site entrance and access road.

Outfall 006 discharges runoff from sedimentation pond #3 that receives stormwater from about 26.7 acres. This will include surface runoff from the closed, capped stages of Cell VIII as successive stages are filled with waste. Impervious surfaces of about 3.1 acres include access roads around Cell VIII and sedimentation pond #3.

2. List all chemicals and petroleum products stored outside and provide a description of the containment area.

Above ground storage tanks containing dyed, off-road diesel (2500 gal), diesel (1000 gal), unleaded gasoline (550 gal), waste oil (550 gal), and drums and buckets of oil and antifreeze (ethylene glycol) are located within a secondary containment wall on the north-central side of the facility behind the shop. In March 2006, the Facility plans to replace the drum storage with two 300 gal storage tanks for oil and hydraulic fluid that will be placed inside the shop. These tanks will have secondary containment.

Palletized bags of alternate daily cover material (Waste-Cover) are stored on the asphalt parking area adjacent to the office/scalehouse. The palletized materials are shrink-wrapped with plastic.

3. Describe all significant materials that are currently or have in the past three years been treated, stored, or disposed of in a manner to allow exposure to storm water. List the method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

None

4. Provide information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak and the type and amount of material released.

No leaks or spills of toxic or hazardous pollutants have occurred at the facilty in the last 3 years.

5. Describe the evaluation method(s) for determining the presence of non-storm water discharges in storm water outfalls named in this NOI. For any storm water outfall covered by this NOI, the signature on page 11 constitutes certification that the outfalls have been tested or evaluated for the presence of non-stormwater discharges, and that all non-stormwater discharges from these outfall(s) are identified in this NOI. Refer to LAC 33:IX.2511.C.1.a.iii.

Internal Outfall 001 from the water treatment plant will be analyzed for priorty pollutants, if necessary. Outfall 001 was last sampled for priority pollutants on January 14, 2005 with results provided to the LDEQ with correspondence dated February 2, 2005. These results are included in this application as Attachment B. Results of a previous priority pollutant scan for Outfall 001 were submitted to the LDEQ in April 1996 and January 1997.

SECTION II - DISCHARGE INFORMATION (cont.)

C. Outfall Identification.

Provide a description of all operations contributing wastewater to the effluent for the outfall including process wastewater, sanitary wastewater, cooling water, stormwater runoff, and washdown water, etc. and the average flow contributed by each operation.

Outfall Number	Operation Contributing Flow	Treatment Description	Average Flow (include units)
001	Leachate from disposal cells, contaminated stormwater from active disposal face, wash water from equipment wash pad, and precipitation on water treatment plant and wash pad	oxidation and polishing ponds in series for detention, sedimentation, aeration, biological treatment and evaporation	0.0157 MGD
002	Stormwater runoff from drainage ditches, the primary access road, closed capped disposal cells, a new CD&T cell to be constructed between Cells II & III and Cell VI, and covered storage areas on the north-central portion of the site	sedimentation pond #1	0.053 MGD
003	Outfall 001 and stormwater runoff from CD&T area, the east side of Cell VIII area currently used as a borrow area for fill material, upstream and off-site runoff, and capped, closed disposal cells.	sedimentation pond #2	0.221 MGD
004	Stormwater runoff from buffer zone east of access road and the NE corner of the property	None	0.011 MGD
005	Stormwater runoff and washdown water from the SE portion of the property including the office/ scalehouse, scales, parking area, and access road.	None	0.007 MGD
006	Stormwater runoff from the north south, and west sides of the Cell VIII area including construction areas, access roads, berms, and eventually capped, closed disposal cells.	sedimentation pond #3	0.109 MGD

SECTION II - DISCHARGE INFORMATION (cont.)

D. Complete this section for each discharge outfall. Outfalls are discharge points. An external outfall is a discrete discharge point beyond which the waste stream receives no further mixing with other waste streams prior to discharging into a receiving waterbody. An internal outfall is an outfall for a waste stream that combines with other waste stream(s) before discharging into an "external" outfall. Please provide your after-treatment test results in the units asked for on the application. For proposed facilities, estimates should be provided for any expected contaminants even though the facility is not in place yet. Make additional copies for each outfall.

Number of outfalls: 6

1. Outfall No. 001

2. Outfall Location. Provide a description of the physical location for each outfall.

Outfall 001 is an internal outfall that discharges from the south end of the polishing ponds located near the northwest corner of Cell VII. Discharge is from a subsurface pipe to an open ditch that drains through a culvert to sedimentation pond #2 then through another culvert to external Outfall 003.

3. Latitude/Longitude of Discharge:

Latitude- 32 deg. 03 min. 42 sec. Longitude- 93 deg. 35 min. 35 sec.

Method of Coordinate Determination: Previous Permit (1984)

(Quad Map, Previous Permit, website, GPS)

4. If a new discharge, when do you expect to begin discharging? NA

5. Indicate how the wastewater reaches state waters (named water bodies). This will usually be either *directly*, by *open ditch* (if it is a highway ditch, indicate the highway), or by *pipe*. Please specifically name all of the minor water bodies that your wastewater will travel through on the way to a major water body. This information can be obtained from U.S.G.S. Quadrangle Maps. Include river mile of discharge point if available.

By effluent pipe to ditch to culvert to sedimentation pond to culvert to ditch (effluent pipe, ditch, etc.);

thence into unnamed local drainage tributary (parish drainage ditch, canal, etc.);

thence into Buffalo Bayou (named bayou, creek, stream, etc.);

thence into Bayou Pierre Lake (lake, river, etc.).

6. Except storm water, if any of the applicant's discharges are intermittent or seasonal, please complete the following table.

Frequency of Flow (average)			Flow Rate (mgd)	
Number of Mo/Year	Number of Days/Week	Number of Hours/Day	Long Term Avg.	Daily Maximum
NA	NA	NA	NA	0.01 (leachate)

7. Treatment Method. Please be specific.

Outfall 001 discharges from the facility's water treatment plant, consisting of Oxidation Pond 1 and Polishing Ponds 2 & 3. The ponds are operated in series. Treatment is by detention, sedimentation, surface aeration, biological treatment, and evaporation. The majority of the treatment takes place in the oxidation pond. The polishing ponds provide additional detention required for the 24-hour, 25-year design storm (9" of rainfall).

SECTION II - DISCHARGE INFORMATION (cont.)

D. Complete this section for each discharge outfall. Outfalls are discharge points. An external outfall is a discrete discharge point beyond which the waste stream receives no further mixing with other waste streams prior to discharging into a receiving waterbody. An internal outfall is an outfall for a waste stream that combines with other waste stream(s) before discharging into an "external" outfall. Please provide your after-treatment test results in the units asked for on the application. For proposed facilities, estimates should be provided for any expected contaminants even though the facility is not in place yet. Make additional copies for each outfall.

Number of outfalls: 6

1. Outfall No. 002

2. Outfall Location. Provide a description of the physical location for each outfall.

Outfall 002 is an external outfall located on the north side of the property immediately north of and downstream of sedimentation pond #1. The outfall includes water discharged from this pond and undetained runoff from the north-central portion of the existing landfill.

3. Latitude/Longitude of Discharge:

Latitude- 32 deg. 03 min. 45 sec. Longitude- 93 deg. 35 min. 31 sec.

Method of Coordinate Determination: Previous permit (1984)

(Quad Map, Previous Permit, website, GPS)

4. If a new discharge, when do you expect to begin discharging? NA

5. Indicate how the wastewater reaches state waters (named water bodies). This will usually be either *directly*, by *open ditch* (if it is a highway ditch, indicate the highway), or by *pipe*. Please specifically name all of the minor water bodies that your wastewater will travel through on the way to a major water body. This information can be obtained from U.S.G.S. Quadrangle Maps. Include river mile of discharge point if available.

By ditch (effluent pipe, ditch, etc.);

thence into unnamed local drainage tributary (parish drainage ditch, canal, etc.);

thence into Buffalo Bayou (named bayou, creek, stream, etc.);

thence into Bayou Pierre Lake (lake, river, etc.).

6. Except storm water, if any of the applicant's discharges are intermittent or seasonal, please complete the following table.

Frequency of Flow (average)			Flow Rate (mgd)	
Number of Mo/Year	Number of Days/Week	Number of Hours/Day	Long Term Avg	Daily Maximum
NA	NA	NA	NA	NA

7. Treatment Method. Please be specific.

Uncontaminated stormwater from drainage ditches, the eastern access road, and closed, capped disposal cells is channeled to sedimentation pond #1 in the north-central portion of the existing landfill. The water is detained until most of the silt has settled out. This pond is used as a water source for the equipment wash pad and to mix alternate daily cover material used on the active disposal face. Any discharge from sedimentation pond #1 exits the site via Outfall 002.

SECTION II - DISCHARGE INFORMATION (cont.)

D. Complete this section for each discharge outfall. Outfalls are discharge points. An external outfall is a discrete discharge point beyond which the waste stream receives no further mixing with other waste streams prior to discharging into a receiving waterbody. An internal outfall is an outfall for a waste stream that combines with other waste stream(s) before discharging into an "external" outfall. Please provide your after-treatment test results in the units asked for on the application. For proposed facilities, estimates should be provided for any expected contaminants even though the facility is not in place yet. Make additional copies for each outfall.

Number of outfalls: 6

1. Outfall No. 003
2. Outfall Location. Provide a description of the physical location for each outfall.

   This external outfall is a culvert to an open ditch at the northeast corner of sedimentation pond #2.

3. Latitude/Longitude of Discharge:

   Latitude- 32 deg. 03 min. 45 sec. Longitude- 93 deg. 35 min. 36 sec.

   Method of Coordinate Determination: Previous Permit (1984)

   (Quad Map, Previous Permit, website, GPS)

4. If a new discharge, when do you expect to begin discharging? NA
5. Indicate how the wastewater reaches state waters (named water bodies). This will usually be either *directly*, by *open ditch* (if it is a highway ditch, indicate the highway), or by *pipe*. Please specifically name all of the minor water bodies that your wastewater will travel through on the way to a major water body. This information can be obtained from U.S.G.S. Quadrangle Maps. Include river mile of discharge point if available.

   By culvert to a ditch (effluent pipe, ditch, etc.);

   thence into unnamed local drainage tributary (parish drainage ditch, canal, etc.);

   thence into Buffalo Bayou (named bayou, creek, stream, etc.);

   thence into Bayou Pierre Lake (lake, river, etc.).

6. Except storm water, if any of the applicant's discharges are intermittent or seasonal, please complete the following table.

Frequency of Flow (average)			Flow Rate (mgd)	
Number of Mo/Year	Number of Days/Week	Number of Hours/Day	Long Term Avg	Daily Maximum
NA	NA	NA	NA	0.01 (treated leachate from Outfall 001)

7. Treatment Method. Please be specific.

   The majority of the stormwater discharged through Outfall 003 is de-silted prior to discharge in sedimentation pond #2 located between Cells VI and VIII.

   Treated leachate from Outfall 001 is routed through sedimentation pond #2 before discharge via Outfall 003.

SECTION II - DISCHARGE INFORMATION (cont.)

D. Complete this section for each discharge outfall. Outfalls are discharge points. An external outfall is a discrete discharge point beyond which the waste stream receives no further mixing with other waste streams prior to discharging into a receiving waterbody. An internal outfall is an outfall for a waste stream that combines with other waste stream(s) before discharging into an "external" outfall. Please provide your after-treatment test results in the units asked for on the application. For proposed facilities, estimates should be provided for any expected contaminants even though the facility is not in place yet. Make additional copies for each outfall.

Number of outfalls: 6

1. Outfall No. 004

2. Outfall Location. Provide a description of the physical location for each outfall.

   This external outfall is an open ditch on the northeast corner of the landfill property.

3. Latitude/Longitude of Discharge:

   Latitude- 32 deg. 03 min. 45 sec. Longitude- 93 deg. 35 min. 25 sec.

   Method of Coordinate Determination: Previous Permit (1984)

   (Quad Map, Previous Permit, website, GPS)

4. If a new discharge, when do you expect to begin discharging? NA

5. Indicate how the wastewater reaches state waters (named water bodies). This will usually be either *directly*, by *open ditch* (if it is a highway ditch, indicate the highway), or by *pipe*. Please specifically name all of the minor water bodies that your wastewater will travel through on the way to a major water body. This information can be obtained from U.S.G.S. Quadrangle Maps. Include river mile of discharge point if available.

   By ditch (effluent pipe, ditch, etc.);

   thence into unnamed local drainage tributary (parish drainage ditch, canal, etc.);

   thence into Buffalo Bayou (named bayou, creek, stream, etc.);

   thence into Bayou Pierre Lake (lake, river, etc.).

6. Except storm water, if any of the applicant's discharges are intermittent or seasonal, please complete the following table.

Frequency of Flow (average)			Flow Rate (mgd)	
Number of Mo/Year	Number of Days/Week	Number of Hours/Day	Long Term Avg	Daily Maximum
NA	NA	NA	NA	NA

7. Treatment Method. Please be specific.

   None. Uncontaminated stormwater that drains from this outfall comes from vegetated or gravel-covered areas and does not require de-silting.

SECTION II - DISCHARGE INFORMATION (cont.)

D. Complete this section for each discharge outfall. Outfalls are discharge points. An external outfall is a discrete discharge point beyond which the waste stream receives no further mixing with other waste streams prior to discharging into a receiving waterbody. An internal outfall is an outfall for a waste stream that combines with other waste stream(s) before discharging into an "external" outfall. Please provide your after-treatment test results in the units asked for on the application. For proposed facilities, estimates should be provided for any expected contaminants even though the facility is not in place yet. Make additional copies for each outfall.

Number of outfalls: 6

1. Outfall No. 005

2. Outfall Location. Provide a description of the physical location for each outfall.

   This external outfall is on the southeast corner of the landfill property near the office building.

3. Latitude/Longitude of Discharge:

   Latitude- 32 deg. 03 min. 28 sec. Longitude- 93 deg. 35 min. 18 sec.

   Method of Coordinate Determination: Previous Permit (1984)

   (Quad Map, Previous Permit, website, GPS)

4. If a new discharge, when do you expect to begin discharging? NA

5. Indicate how the wastewater reaches state waters (named water bodies). This will usually be either *directly*, by *open ditch* (if it is a highway ditch, indicate the highway), or by *pipe*. Please specifically name all of the minor water bodies that your wastewater will travel through on the way to a major water body. This information can be obtained from U.S.G.S. Quadrangle Maps. Include river mile of discharge point if available.

   By ditch on the north side of U.S. Hwy 84 (effluent pipe, ditch, etc.);

   thence into unnamed local drainage tributary (parish drainage ditch, canal, etc.);

   thence into Mundy Bayou (named bayou, creek, stream, etc.);

   thence into Bayou Pierre Lake (lake, river, etc.).

6. Except storm water, if any of the applicant's discharges are intermittent or seasonal, please complete the following table.

Frequency of Flow (average)			Flow Rate (mgd)	
Number of Mo/Year	Number of Days/Week	Number of Hours/Day	Long Term Avg.	Daily Maximum
NA	NA	NA	NA	NA

7. Treatment Method. Please be specific.

   None. Discharge is uncontaminated stormwater runoff and wash down water from the asphalt parking area and scales.

SECTION II - DISCHARGE INFORMATION (cont.)

D. Complete this section for each discharge outfall. Outfalls are discharge points. An external outfall is a discrete discharge point beyond which the waste stream receives no further mixing with other waste streams prior to discharging into a receiving waterbody. An internal outfall is an outfall for a waste stream that combines with other waste stream(s) before discharging into an "external" outfall. Please provide your after-treatment test results in the units asked for on the application. For proposed facilities, estimates should be provided for any expected contaminants even though the facility is not in place yet. Make additional copies for each outfall.

Number of outfalls: 6

1. Outfall No. 006
2. Outfall Location. Provide a description of the physical location for each outfall.

   This external outfall is on the west side of sedimentation pond #3 which will be constructed on the northwest side of Cell VIII.
3. Latitude/Longitude of Discharge:

   Latitude- 32 deg. 03 min. 41 sec. Longitude- 93 deg. 35 min. 52 sec.

   Method of Coordinate Determination: Electronic USGS quad map (Maptech, Inc., copyright 1997)
   (Quad Map, Previous Permit, website, GPS)
4. If a new discharge, when do you expect to begin discharging? 2008
5. Indicate how the wastewater reaches state waters (named water bodies). This will usually be either *directly*, by *open ditch* (if it is a highway ditch, indicate the highway), or by *pipe*. Please specifically name all of the minor water bodies that your wastewater will travel through on the way to a major water body. This information can be obtained from U.S.G.S. Quadrangle Maps. Include river mile of discharge point if available.

   By effluent pipe/culvert (effluent pipe, ditch, etc.);

   thence into unnamed local drainage tributary (parish drainage ditch, canal, etc.);

   thence into Buffalo Bayou (named bayou, creek, stream, etc.);

   thence into Bayou Pierre Lake (lake, river, etc.).
6. Except storm water, if any of the applicant's discharges are intermittent or seasonal, please complete the following table.

Frequency of Flow (average)			Flow Rate (mgd)	
Number of Mo/Year	Number of Days/Week	Number of Hours/Day	Long Term Avg	Daily Maximum
NA	NA	NA	NA	NA

7. Treatment Method. Please be specific.

   Uncontaminated stormwater from the north, south, and west sides of the Cell VIII area will be channeled to sedimentation pond #3. The water will be detained in the pond for de-silting and discharged through a culvert on the west side of the pond.

SECTION III – LABORATORY ANALYSIS

A. Lab Analysis. Make additional copies as necessary. Sampling and analytical protocols must conform to the requirements in LAC 33:IX.Chapters 25 and 65, and 40 CFR Part 136; when no analytical method is approved, the applicant may use any suitable method but must provide a description of the method. For storm water discharges, indicate date & duration of storm event sampled, total inches of precipitation, and number of hours since the end of the previous storm event that was greater than 0.1 inches.
Complete this section for each outfall. Complete this section for each pollutant, unless the applicant demonstrates a waiver for that pollutant is appropriate.

Number of outfalls: 6

1. Outfall Number: 001 Description: Effluent from water treatment plan

Pollutant	Effluent Analysis			
	Concentration (mg/l)		Mass (lbs/day)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
BOD_5	NA	NA		
COD	NA	NA		
TOC	NA	NA		
Oil and Grease	<5	<5		
Ammonia (as N)	NA	NA		
Total Nitrogen (stormwater only)	NA	NA		
Total Phosphorus * (stormwater only)	NA	NA		
Total Residual Chlorine * (if chlorine used)	NA	NA		
Total Suspended Solids	27.9	81		
Fecal Coliforms (cols/100ml) (if present)	NA	NA		
	Daily Maximum	Monthly Average Maximum **	Monthly Average Minimum	Method of Measure
Flow (GPD)	330,000	NA	0	24-hr, 25-year
Winter Temperature (EC)	25	NA		design storm
Summer Temperature (EC)	32	NA		
	Minimum	Maximum		
Discharge Duration (hrs/day)	0	24		
pH (SU)	6.68	7.47		

* If believed present in stormwater.

** Within the previous two years. (The maximum monthly average value is the highest value of all the monthly averages over the previous two years. The minimum monthly average value is the lowest value of the monthly averages over the previous two years.)

Lab analyses were performed as required by the current and previous permits and results submitted to the LDEQ in DMRs. The table above presents the results for January 2004-December 2005. DMRs and lab reports are presented in Attachment A.

SECTION III – LABORATORY ANALYSIS

A. Lab Analysis. Make additional copies as necessary. Sampling and analytical protocols must conform to the requirements in LAC 33:IX.Chapters 25 and 65, and 40 CFR Part 136; when no analytical method is approved, the applicant may use any suitable method but must provide a description of the method. For storm water discharges, indicate date & duration of storm event sampled, total inches of precipitation, and number of hours since the end of the previous storm event that was greater than 0.1 inches.
Complete this section for each outfall. Complete this section for each pollutant, unless the applicant demonstrates a waiver for that pollutant is appropriate.

Number of outfalls: 6

1. Outfall Number: 002 Description: Stormwater

Pollutant	Effluent Analysis			
	Concentration (mg/l)		Mass (lbs/day)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
BOD_5	NA	NA		
COD	NA	NA		
TOC	NA	NA		
Oil and Grease	<5	8.2		
Ammonia (as N)	NA	NA		
Total Nitrogen (stormwater only)	NA	NA		
Total Phosphorus * (stormwater only)	NA	NA		
Total Residual Chlorine * (if chlorine used)	NA	NA		
Total Suspended Solids	25.7	78.0		
Fecal Coliforms (cols/100ml) (if present)	NA	NA		
	Daily Maximum	Monthly Average Maximum**	Monthly Average Minimum**	Method of Measure
Flow (GPD)	3,120,000	NA	0	24-hr, 25-year
Winter Temperature (EC)	25	NA		design storm
Summer Temperature (EC)	31	NA		
	Minimum	Maximum		
Discharge Duration (hrs/day)	0	24		
pH (SU)	6.65	7.40		

* If believed present in stormwater.

** Within the previous two years. (The maximum monthly average value is the highest value of all the monthly averages over the previous two years. The minimum monthly average value is the lowest value of the monthly averages over the previous two years.)

Lab analyses were performed as required by the current and previous permits and results submitted to the LDEQ in DMRs. The table above presents the results for January 2004-December 2005. DMRs and lab reports are presented in Attachment A.

SECTION III – LABORATORY ANALYSIS

A. **Lab Analysis.** Make additional copies as necessary. Sampling and analytical protocols must conform to the requirements in LAC 33:IX.Chapters 25 and 65, and 40 CFR Part 136; when no analytical method is approved, the applicant may use any suitable method but must provide a description of the method. For storm water discharges, indicate date & duration of storm event sampled, total inches of precipitation, and number of hours since the end of the previous storm event that was greater than 0.1 inches.
Complete this section for each outfall. Complete this section for each pollutant, unless the applicant demonstrates a waiver for that pollutant is appropriate.

Number of outfalls: 6

1. Outfall Number: 003 Description: Stormwater and Outfall 001

Pollutant	Effluent Analysis			
	Concentration (mg/l)		Mass (lbs/day)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
BOD_5	NA	NA		
COD	NA	NA		
TOC	NA	NA		
Oil and Grease	<5	<5		
Ammonia (as N)	NA	NA		
Total Nitrogen (stormwater only)	NA	NA		
Total Phosphorus * (stormwater only)	NA	NA		
Total Residual Chlorine * (if chlorine used)	NA	NA		
Total Suspended Solids	28.4	86		
Fecal Coliforms (cols/100ml) (if present)	NA	NA		
	Daily Maximum	Monthly Average Maximum**	Monthly Average Minimum	Method of Measure
Flow (GPD)	12,550,000	NA	0	24-hr, 25-year
Winter Temperature (EC)	25	NA		design storm
Summer Temperature (EC)	32	NA		
	Minimum	Maximum		
Discharge Duration (hrs/day)	0	24		
pH (SU)	6.84	7.56		

* If believed present in stormwater.

** Within the previous two years. (The maximum monthly average value is the highest value of all the monthly averages over the previous two years. The minimum monthly average value is the lowest value of the monthly averages over the previous two years.)

Lab analyses were performed as required by the current and previous permits and results submitted to the LDEQ in DMRs. The table above presents the results for January 2004-December 2005. DMRs and lab reports are presented in Attachment A.

SECTION III – LABORATORY ANALYSIS

A. Lab Analysis. Make additional copies as necessary. Sampling and analytical protocols must conform to the requirements in LAC 33:IX.Chapters 25 and 65, and 40 CFR Part 136; when no analytical method is approved, the applicant may use any suitable method but must provide a description of the method. For storm water discharges, indicate date & duration of storm event sampled, total inches of precipitation, and number of hours since the end of the previous storm event that was greater than 0.1 inches.
Complete this section for each outfall. Complete this section for each pollutant, unless the applicant demonstrates a waiver for that pollutant is appropriate.

Number of outfalls: 6

1. Outfall Number: 004 Description: Stormwater

Pollutant	Effluent Analysis			
	Concentration (mg/l)		Mass (lbs/day)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
BOD_5	NA	NA		
COD	NA	NA		
TOC	NA	NA		
Oil and Grease	2.0	11.7		
Ammonia (as N)	NA	NA		
Total Nitrogen (stormwater only)	NA	NA		
Total Phosphorus * (stormwater only)	NA	NA		
Total Residual Chlorine * (if chlorine used)	NA	NA		
Total Suspended Solids	19.2	30.4		
Fecal Coliforms (cols/100ml) (if present)	NA	NA		
	Daily Maximum	Monthly Average Maximum	Monthly Average Minimum	Method of Measure
Flow (GPD)	680,000	NA	0	24-hr, 25-year
Winter Temperature (EC)	25	NA		design storm
Summer Temperature (EC)	18	NA		
	Minimum	Maximum		
Discharge Duration (hrs/day)	0	24		
pH (SU)	6.89	7.43		

* If believed present in stormwater.

** Within the previous two years. (The maximum monthly average value is the highest value of all the monthly averages over the previous two years. The minimum monthly average value is the lowest value of the monthly averages over the previous two years.)

Lab analyses were performed as required by the current and previous permits and results submitted to the LDEQ in DMRs. The table above presents the results for January 2004-December 2005. DMRs and lab reports are presented in Attachment A.

SECTION III – LABORATORY ANALYSIS

A. Lab Analysis. Make additional copies as necessary. Sampling and analytical protocols must conform to the requirements in LAC 33:IX.Chapters 25 and 65, and 40 CFR Part 136; when no analytical method is approved, the applicant may use any suitable method but must provide a description of the method. For storm water discharges, indicate date & duration of storm event sampled, total inches of precipitation, and number of hours since the end of the previous storm event that was greater than 0.1 inches.
Complete this section for each outfall. Complete this section for each pollutant, unless the applicant demonstrates a waiver for that pollutant is appropriate.

Number of outfalls: 6

1. Outfall Number: 005 Description: Stormwater and wash down water

Pollutant	Effluent Analysis			
	Concentration (mg/l)		Mass (lbs/day)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
BOD_5	NA	NA		
COD	NA	NA		
TOC	NA	NA		
Oil and Grease	NA	NA		
Ammonia (as N)	NA	NA		
Total Nitrogen (stormwater only)	NA	NA		
Total Phosphorus * (stormwater only)	NA	NA		
Total Residual Chlorine * (if chlorine used)	NA	NA		
Total Suspended Solids	NA	NA		
Fecal Coliforms (cols/100ml) (if present)	NA	NA		
	Daily Maximum	Monthly Average Maximum**	Monthly Average Minimum	Method of Measure
Flow (GPD)	400,000	NA	0	24-hr, 25-year
Winter Temperature (EC)	NA	NA		design storm
Summer Temperature (EC)	NA	NA		
	Minimum	Maximum		
Discharge Duration (hrs/day)	0	24		
pH (SU)	NA	NA		

* If believed present in stormwater.

** Within the previous two years. (The maximum monthly average value is the highest value of all the monthly averages over the previous two years. The minimum monthly average value is the lowest value of the monthly averages over the previous two years.)

Lab analyses were performed as required by the current and previous permits and results submitted to the LDEQ in DMRs. The table above presents the results for January 2004-December 2005. DMRs and lab reports are presented in Attachment A.

SECTION III – LABORATORY ANALYSIS

A. **Lab Analysis.** Make additional copies as necessary. Sampling and analytical protocols must conform to the requirements in LAC 33:IX.Chapters 25 and 65, and 40 CFR Part 136; when no analytical method is approved, the applicant may use any suitable method but must provide a description of the method. For storm water discharges, indicate date & duration of storm event sampled, total inches of precipitation, and number of hours since the end of the previous storm event that was greater than 0.1 inches.
Complete this section for each outfall. Complete this section for each pollutant, unless the applicant demonstrates a waiver for that pollutant is appropriate.

Number of outfalls: 6

1. Outfall Number: 006 Description: Stormwater

Pollutant	Effluent Analysis			
	Concentration (mg/l)		Mass (lbs/day)	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
BOD_5	NA	NA		
COD	NA	NA		
TOC	NA	NA		
Oil and Grease	NA	NA		
Ammonia (as N)	NA	NA		
Total Nitrogen (stormwater only)	NA	NA		
Total Phosphorus * (stormwater only)	NA	NA		
Total Residual Chlorine * (if chlorine used)	NA	NA		
Total Suspended Solids	NA	NA		
Fecal Coliforms (cols/100ml) (if present)	NA	NA		
	Daily Maximum	Monthly Average Maximum**	Monthly Average Minimum	Method of Measure
Flow (GPD)	6,524,000	NA	0	24-hr, 25-year
Winter Temperature (EC)	NA	NA		design storm
Summer Temperature (EC)	NA	NA		
	Minimum	Maximum		
Discharge Duration (hrs/day)	0	24		
pH (SU)	NA	NA		

* If believed present in stormwater.

** Within the previous two years. (The maximum monthly average value is the highest value of all the monthly averages over the previous two years. The minimum monthly average value is the lowest value of the monthly averages over the previous two years.)

Lab analyses not available. Outfall 006 has not yet been constructed.

SECTION III – LABORATORY ANALYSIS (cont.)

B. List pollutants and report data for any of the following pollutants that you believe will be present or are limited directly by an effluent limitation guideline or indirectly through limitations on an indicator pollutant.

1. Conventional and Non-Conventional Pollutants: Bromide, Chlorine (total residual), Color, Fecal Coliform, Fluoride, Nitrate-Nitrite, Nitrogen (total organic), Total Phosphorus, Radioactivity, Sulfate, Sulfide, Sulfite, Surfactants, and;

2. Toxic Pollutants: Asbestos, and;

3. Hazardous Substances: 2, 2-Di-chloropro-pionic acid, 2, 4,5-TP [2-(2,4,5-trichloro-phenoxy)propionic acid], 2,4,5-T (2,4, 5-trichlorophenoxy acetic acid), 2,4-D (2,4-Di-chlorophenoxy acetic acid), Acetaldehyde, Allyl alcohol, Allyl chloride, Amyl acetate, Aniline, Benzonitrile, Benzyl chloride, Butyl acetate, Butylamine, Captan, Carbaryl, Carbofuran, Carbon disulfide, Chlorpyrifos, Coumaphos, Cresol, Crotonaldehyde, Cyclohexane, Diazinon, Dicamba, Dichlobenil, Dichlone, Dichlorvos, Diethyl amine, Dimethyl amine, Dinitrobenzene, Diquat, Disulfoton, Diuron, Dodecyl-benzenesulfo-nate, Dodecylbenzene-sulfonate, Epichloro-hydrin, Ethion, Ethylene diamine, Ethylene dibromide, Formaldehyde, Furfural, Guthion, Isoprene, Isopropanola-mine, Kelthane, Kepone, Malathion, Mercapto-dimethur, Methoxychlor, Methyl mercaptan, Methyl methacrylate, Methyl parathion, Mevinphos, Mexacarbate, Monoethyl amine, Monomethyl amine, Naled, Naphthenic acid, Nitrotoluene, Parathion, Phenolsulfanate, Phosgene, Propargite, Propylene oxide, Pyrethrins, Quinoline, Resorcinol, Strontium, Strychnine, Styrene, TDE (tetrachloro-rodiphenylethane), Trichlorofon , Triethanolamine, Triethylamine, Trimethylamine, Uranium, Vanadium, Vinyl Acetate, Xylene, Xylenol, Zirconium, and;

4. Any of the pollutants listed under Section III.B as Volatile Organic Chemicals, Acid Extractable Organic Chemicals, Base/Neutral Extractable Organic Chemicals, Pesticides, Metals, and Additional Metals

Pollutant	Daily Average (unit)	Daily Maximum (unit)	Basis of Estimate
NA			

C. New Source Dischargers discharging process wastewater. Complete the following items:

1. Engineering Report. Are there any technical evaluations concerning your wastewater treatment system, including engineering reports or pilot plant studies?

   NA

2. Similar Operations. Provide the name and location of any existing plant(s) which, to the best of your knowledge, resembles this facility with respect to processes, wastewater constituents, or wastewater treatment.

   NA

SECTION III – LABORATORY ANALYSIS (cont.)

D. Industrial Category.

For certain categories of industries, each outfall for which coverage under this permit is being sought must be evaluated for the presence of particular pollutants which have in the past been associated with process wastewaters for those industries. For each outfall, if any of your processes which contribute wastewater belong to one or more of the following primary industry categories, you must report the quantative test data for:

1. all of the toxic metals, cyanide and total phenols and,
2. the organic toxic pollutants as applicable to your category below as indicated by the ×'s.

Circle your industrial category(ies) below. Use separate sheets for each outfall. Also include any specific products, raw materials, or waste products that are or may potentially be present in the effluent. If your gross annual sales average is less than $100,000, please indicate if a small business exemption is requested.

Primary Industry Category	Volatile	Acid	Base/Neutral	Pesticide/PCB's
Adhesives and Sealant	×	×	×	
Aluminum Forming	×	×	×	
Auto and Other Laundries	×	×	×	×
Battery Manufacturing	×		×	
Coal Mining				
Coil Coating	×	×	×	
Copper Forming	×	×	×	
Electrical and Electronic Components	×	×	×	×
Electroplating	×	×	×	
Explosives Manufacturing		×	×	
Foundries	×	×	×	
Gum and Wood Chemicals				
Inorganic Chemicals Manufacturing	×	×	×	
Iron and Steel Manufacturing	×	×	×	
Leather Tanning and Finishing	×	×	×	
Mechanical Products Manufacturing	×	×	×	
Nonferrous Metals Manufacturing	×	×	×	×
Ore Mining		×		
Organic Chemicals Manufacturing	×	×	×	×
Paint and Ink Formulation	×	×	×	
Pesticides	×	×	×	×
Petroleum Refining	×			
Pharmaceutical Preparations	×	×	×	
Photographic Equipment and Supplies				
Plastics Processing	×			
Plastic and Synthetic Materials Manufacturing	×	×	×	×
Porcelain Enameling				
Printing and Publishing	×	×	×	×
Pulp and Paper Mills				
Rubber Processing	×	×	×	
Soap and Detergent Manufacturing	×	×	×	
Steam Electric Power Plants	×	×		
Textile Mills	×	×	×	
Timber Products Processing	×	×	×	×

IF NONE OF YOUR PROCESSES BELONG IN ANY OF THE ABOVE CATEGORIES, SKIP TO E. BELOW

Number of industrial category outfalls: 0

SECTION III – LABORATORY ANALYSIS (cont.)

Outfall Number:	NA			Effluent	
Pollutant	MQL (µg/l)	Concentration (mg/l)		Mass (lbs/day)	
		Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
Volatile Organic Chemicals – EPA Method 624 suggested					
acrolein	50				
acrylonitrile	50				
benzene	10				
bromoform	10				
carbon tetrachloride	10				
chlorobenzene	50				
chlorodibromomethane	10				
chloroethane	10				
2-chloroethylvinyl ether	50				
chloroform	10				
dichlorobromomethane	10				
1,1-dichloroethane	10				
1,2-dichloroethane	10				
1,1-dichloroethylene	10				
1,2-dichloropropane	10				
1,3-Dichloropropylene	10				
ethylbenzene	10				
methyl bromide	50				
methyl chloride	50				
methylene chloride	20				
1,1,2,2-tetrachloroethane	10				
tetrachloroethylene	10				
toluene	10				
1,2-trans-dichloroethylene	10				
1,1,1-trichloroethane	10				
1,1,2-trichloroethane	10				

SECTION III – LABORATORY ANALYSIS (cont.)

Outfall Number: NA		Effluent			
Pollutant	MQL (µg/l)	Concentration (mg/l)		Mass (lbs/day)	
		Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
trichloroethene (trichloroethylene)	10				
vinyl chloride (chloroethylene)	10				
Acid Extractable Organic Chemicals – EPA Method 625 suggested					
2-chlorophenol	10				
3-chlorophenol	10				
4-chlorophenol	10				
2,3-dichlorophenol	10				
2,4-dichlorophenol	10				
2,5-dichlorophenol	10				
2,6-dichlorophenol	10				
3,4-dichlorophenol	10				
2,4-dimethylphenol	10				
2,4-dinitrophenol	50				
2-methyl 4,6-dinitrophenol (4,6-dinitro-o-cresol)	50				
2-nitrophenol	20				
4-nitrophenol	50				
4-chloro-3-methylphenol (p-chloro-m-cresol)	10				
pentachlorophenol	50				
phenol	10				
2,4,6-trichlorophenol	10				
Base/Neutral Extractable Organic Chemicals – EPA Method 625 suggested					
acenaphthene	10				
acenaphthylene	10				
anthracene	10				
benzidine	50				
benzo(a)anthracene	10				
benzo(a)pyrene	10				
3,4-benzo fluoranthene	10				
benzo(ghi)perylene	20				
benzo(k)fluoranthene	10				
bis(2-chloroethoxy)methane	10				

SECTION III – LABORATORY ANALYSIS (cont.)

Outfall Number:	NA	Effluent			
Pollutant	MQL (µg/l)	Concentration (mg/l)		Mass (lbs/day)	
		Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
bis(2-chloroethyl)ether	10				
bis(2-chloroisopropyl)ether	10				
bis(2-ethylhexyl)phthalate	10				
4-bromophenyl phenyl ether	10				
butylbenzyl phthalate	10				
2-chloronaphthalene	10				
4-chlorophenyl phenyl ether	10				
chrysene	10				
dibenzo(a,h)anthracene	20				
1,2-dichlorobenzene	10				
1,3-dichlorobenzene	10				
1,4-dichlorobenzene	10				
3,3'-dichlorobenzidine	50				
diethyl phthalate	10				
dimethyl phthalate	10				
di-n-butyl phthalate	10				
2,4-dinitrotoluene	10				
2,6-dinitrotoluene	10				
di-n-octyl phthalate	10				
1,2-diphenylhydrazine (as azobenzene)	20				
fluoranthene	10				
fluorene	10				
hexachlorobenzene	10				
hexachlorobutadiene	10				
hexachlorocyclopentadiene	10				
hexachloroethane	20				
indeno(1,2,3-cd)pyrene	20				
isophorone	10				
naphthalene	10				
nitrobenzene	10				
N-nitrosodimethylamine	50				
N-nitrosodi-n-propylamine	20				

SECTION III – LABORATORY ANALYSIS (cont.)

Outfall Number:	NA	Effluent			
Pollutant	MQL (µg/l)	Concentration (mg/l)		Mass (lbs/day)	
		Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
N-nitrosodiphenylamine	20				
phenanthrene	10				
pyrene	10				
1,2,4-trichlorobenzene	10				
Pesticides & PCB's - EPA Method 608 required					
aldrin	0.05				
Aroclor 1016 (PCB-1016)	1.0				
Aroclor 1221 (PCB-1221)	1.0				
Aroclor 1232 (PCB-1232)	1.0				
Aroclor 1242 (PCB-1242)	1.0				
Aroclor 1248 (PCB-1248)	1.0				
Aroclor 1254 (PCB-1254)	1.0				
Aroclor 1260 (PCB-1260)	1.0				
alpha-BHC	0.05				
beta-BHC	0.05				
delta-BHC	0.05				
gamma-BHC	0.05				
chlordane	0.2				
4,4'DDT	0.1				
4,4'DDE	0.1				
4,4'DDD	0.1				
dieldrin	0.1				
alpha-endosulfan	0.1				
beta-endosulfan	0.1				
endosulfan sulfate	0.1				
endrin	0.1				
endrin aldehyde	0.1				
heptachlor	0.05				
heptachlor epoxide	0.05				
Toxaphene	5.0				
2,4-dichlorophenocyacetic acid (2,4-D)					

SECTION III – LABORATORY ANALYSIS (cont.)

Outfall Number:	NA	Effluent			
Pollutant	MQL (µg/l)	Concentration (mg/l)		Mass (lbs/day)	
		Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
2-(2,4,5-trichlorophenoxy) propionic acid	---				
2,3,7,8-tetrachlorodibenzo-p-dioxin use EPA Method 1613	10 ppq				
Metals, Cyanide & Total Phenols					
Antimony, Total	60				
Arsenic, Total	10				
Beryllium, Total	5				
Cadmium, Total	1				
Chromium, Total	10				
Chromium, Hexavalent	10				
Copper, Total	10				
Lead, Total	5				
Mercury, Total	0.2				
Nickel, Total [Marine]	5				
Nickel, Total [Freshwater]	40				
Selenium, Total	5				
Silver, Total	2				
Thallium, Total	10				
Zinc, Total	20				
Cyanide, Total	20				
Cyanide, Free	--				
Phenols, Total	5				
Additional Metals if expected to be present – Use EPA Approved Method					
Aluminum, Total					
Barium, Total					
Boron, Total					
Cobalt, Total					
Iron, Dissolved					
Magnesium, Total					
Manganese, Total					
Molybdenum					
Tin, Total					

SECTION III – LABORATORY ANALYSIS (cont.)

Outfall Number:	NA		Effluent			
Pollutant		MQL* (µg/l)	Concentration (mg/l)		Mass (lbs/day)	
			Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
Titanium, Total						

* Minimum Quantification Level (MQL).

SECTION III – LABORATORY ANALYSIS (cont.)

E. Laboratory Accreditation

If any of the analysis reported above were performed by a contract lab or consulting firm, provide the firm name, address, phone number and pollutants analyzed.

Ana-Lab Corporation, 2600 Dudley Road, Kilgore, TX 75662. Phone: 903-984-0551. LELAP No. 02008

Pollutants analyzed are presented in Attachment A.

Southern Petroleum Laborotories, Inc., 500 Ambassador Caffery Parkway, Scott, LA 70583.
Phone: 318-237-4775. LELAP No. 02048. Pollutants analyzed are presented in Attachment B.

Laboratory procedures and analyses performed by commercial laboratories shall be conducted in accordance with the requirements set forth under LAC 33:I.Subpart 3, Chapters 49-55.

Laboratory data generated by commercial laboratories that are not accredited under LAC 33:I.Subpart 3, Chapters 47-57, will not be accepted by the department. Retesting of analysis will be required by an accredited commercial laboratory.

In the case where effluent testing was completed by an unaccredited laboratory, and where retesting is not possible (i.e. data reported on DMRs for prior month's sampling), the data generated will be considered invalid.

Regulations on the Environmental Laboratory Accreditation Program and a list of labs that have applied for accreditation are available on the department website located at:

http://www.deq.state.la.us/laboratory/index.htm.

Questions concerning the program may be directed to (225) 765-2405.

F. Additional Data

1. List any toxic materials that the applicant currently uses or manufactures as an intermediate, feedstock, final product, or by-product.

NA

2. List pertinent physical and chemical properties (e.g., toxic components, taste and odor compounds, heavy metals, etc.) that may be associated with the discharge.

No toxic components or heavy metals have been associated with the discharges. Please refer to Attachment A for the latest analytical results.

SECTION III – LABORATORY ANALYSIS (cont.)

4. Toxicity Data. List any bioassay tests conducted on the effluent from the facility. Provide a summary of the test results.

NA

SECTION IV – COMPLIANCE HISTORY

Report the history of all water violations and enforcement actions for the facility, a summary of all permit excursions including effluent violations reported on the facility's Discharge Monitoring Reports (DMRs) and bypasses for the last three years. Using a brief summary, report on the current status of all administrative orders, compliance orders, notices of violation, cease and desist orders, and any other enforcement actions either already resolved within the past 3 years or currently pending. The state administrative authority may choose, at its discretion, to require a more in-depth report of violations and compliance actions for the applicant covering any law, permit, or order concerning pollution at this or any other facility owned or operated by the applicant.

SECTION V – LAC 33.I.1701 REQUIREMENTS

A. Does the company or owner have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying in other states? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.)

- ☒ Permits in Louisiana. List Permit Numbers: WP 1108, LPDES LA0066702, Solid Waste P-0035R1
- ☐ Permits in other states (list states): NA
- ☐ No other environmental permits.

B. Do you owe any outstanding fees or final penalties to the Department? ☐ Yes ☒ No

If yes, please explain.

C. Is your company a corporation or limited liability company? ☐ Yes ☒ No

If yes, attach a copy of your company's Certificate of Registration and/or Certificate of Good Standing from the Secretary of State.

SECTION VI – MAPS/DIAGRAMS

A. **Site Diagram.** Attach to this application a complete site diagram of your facility demonstrating how the wastewater flows through your facility into each clearly labeled discharge point (including all treatment points). Indicate stormwater flow pattern on this diagram or provide additional diagrams if needed. Please indicate the location of the facility and the front gate or entrance to the facility on the site diagram.

B. **Topographic Map.** Attach to this application a map or a copy of a section of the map which has been highlighted to show the path of your wastewater from your facility to the first named water body. Include on the map the area extending at least one mile beyond your property boundaries. Indicate the outline of the facility, the location of each of its existing and proposed discharge structures, and any existing hazardous waste treatment storage or disposal facilities.

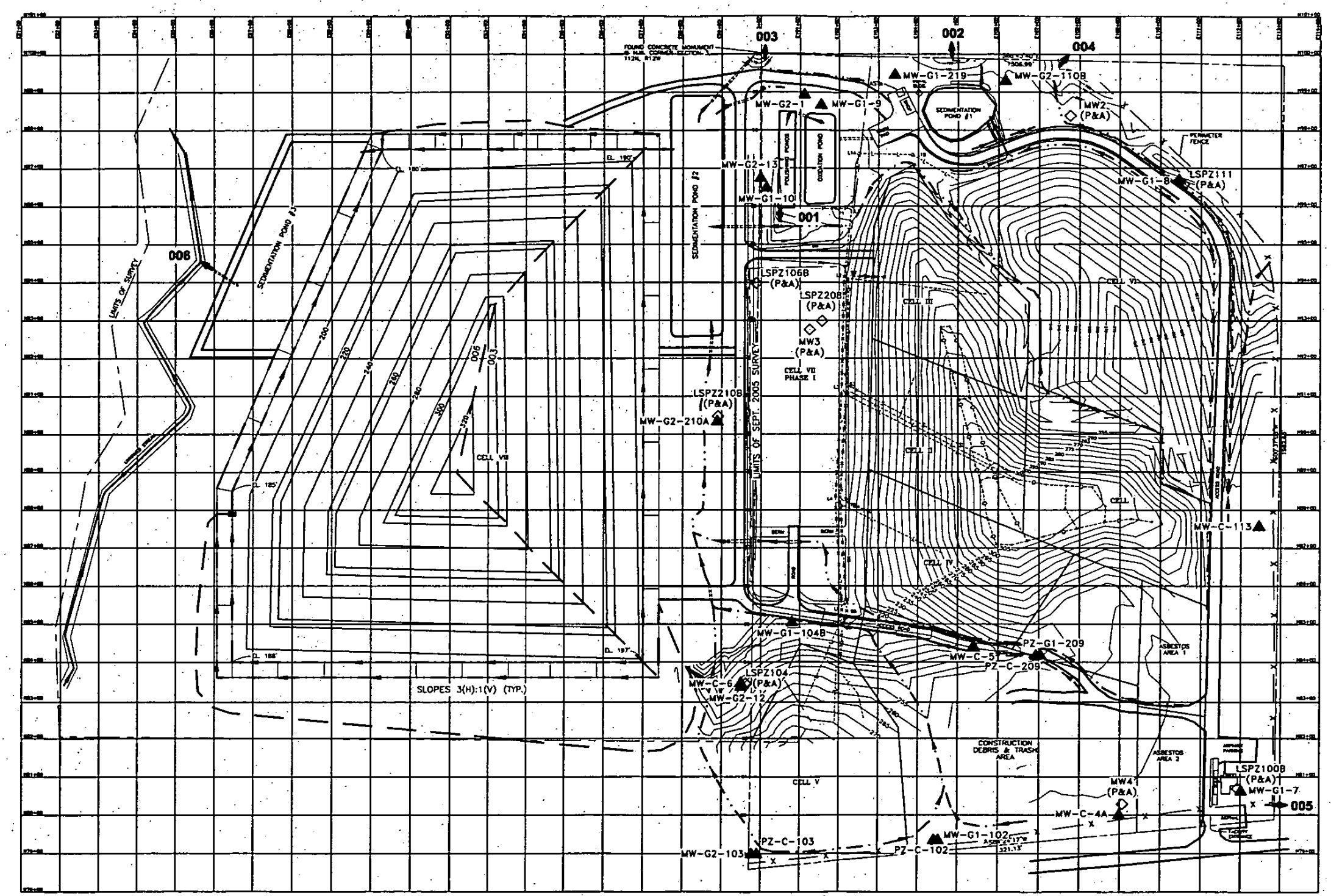
A U.S.G.S. 1:24,000 scale map (7.5' Quadrangle) would be appropriate for this item. Appropriate maps can be obtained from local government agencies such as DOTD or the Office of Public Works. Maps can also be obtained online at www.map.ldeq.org or www.topozone.com. Private map companies can also supply you with these maps. If you cannot locate a map through these sources you can contact the Louisiana Department of Transportation and Development at:

1201 Capitol Access Road
Baton Rouge, LA 70802
(225) 379-1107
maps@dotd.louisiana.gov

C. **Flow Diagram.** Attach a line drawing of the water flow through the facility with a water balance showing operations contributing wastewater to the effluent and treatment units. The water balance must show average and maximum flows at intake and discharge points and between units, including treatment units. If a water balance cannot be determined, the applicant may provide instead a pictorial description of the nature and amount of any sources of water and any collection and treatment measures. Hand drawn maps are acceptable.

D. **Block type water flow diagram** for the complete facility including treatment of each discharge.

See attached Sheets JEI-WP2-01, JEI-WP2-02, and JEI-WP2-03.



LEGEND:

- PERMITTED OUTFALL
- SURFACE DRAINAGE FLOW DIRECTION
- OUTFALL 003/006 DRAINAGE DIVIDES FOR CELL VIII
- MONITORING/PIEZOMETER WELL
- MONITORING/PIEZOMETER WELL (PLUGGED & ABANDONED)
- CONCRETE MONUMENT
- PIPING/MANHOLE (REMOVED)
- L — LEACHATE SEWER
- S — STORMWATER SEWER
- P — WASTEWATER TREATMENT PLANT PIPING
- G — LANDFILL GAS PIPING
- PROPERTY LINE
- CULVERT
- 250 — TOPOGRAPHIC CONTOUR LINE (5 FT. CONTOUR INTERVAL FOR EXISTING LANDFILL, 20 FT. CONTOUR INTERVAL FOR CELL VIII CAP)

REFERENCE:
Existing Conditions Plan by Balor Engineers & Surveyors dated September 2001.

Drawing DSW-GP-20A by Aillet, Fenner, Jolly, & McClelland, Inc. dated October 1, 1999.

0 300 600

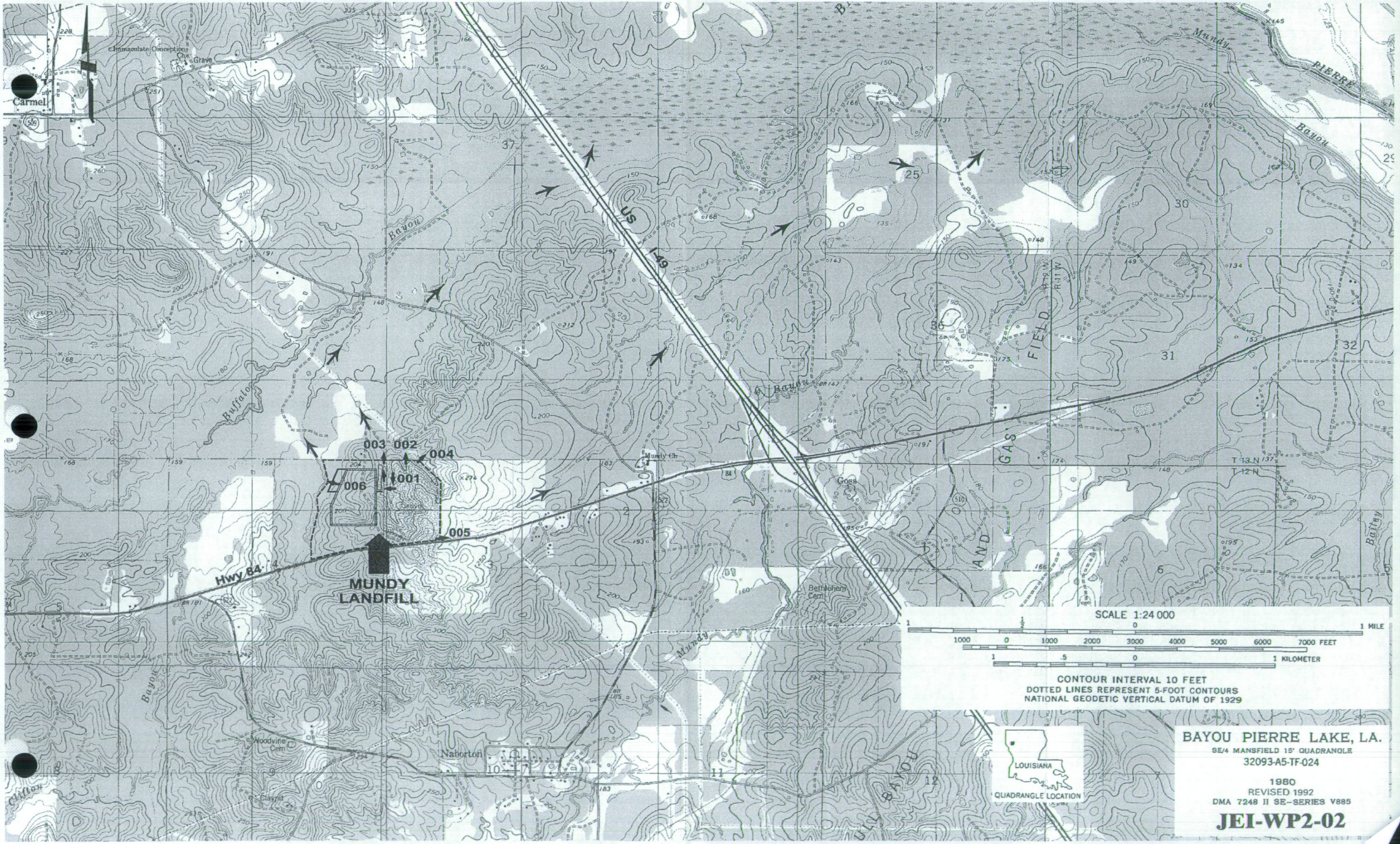
Mundy Landfill
2712 Highway 84 East
Mansfield, Louisiana 71052

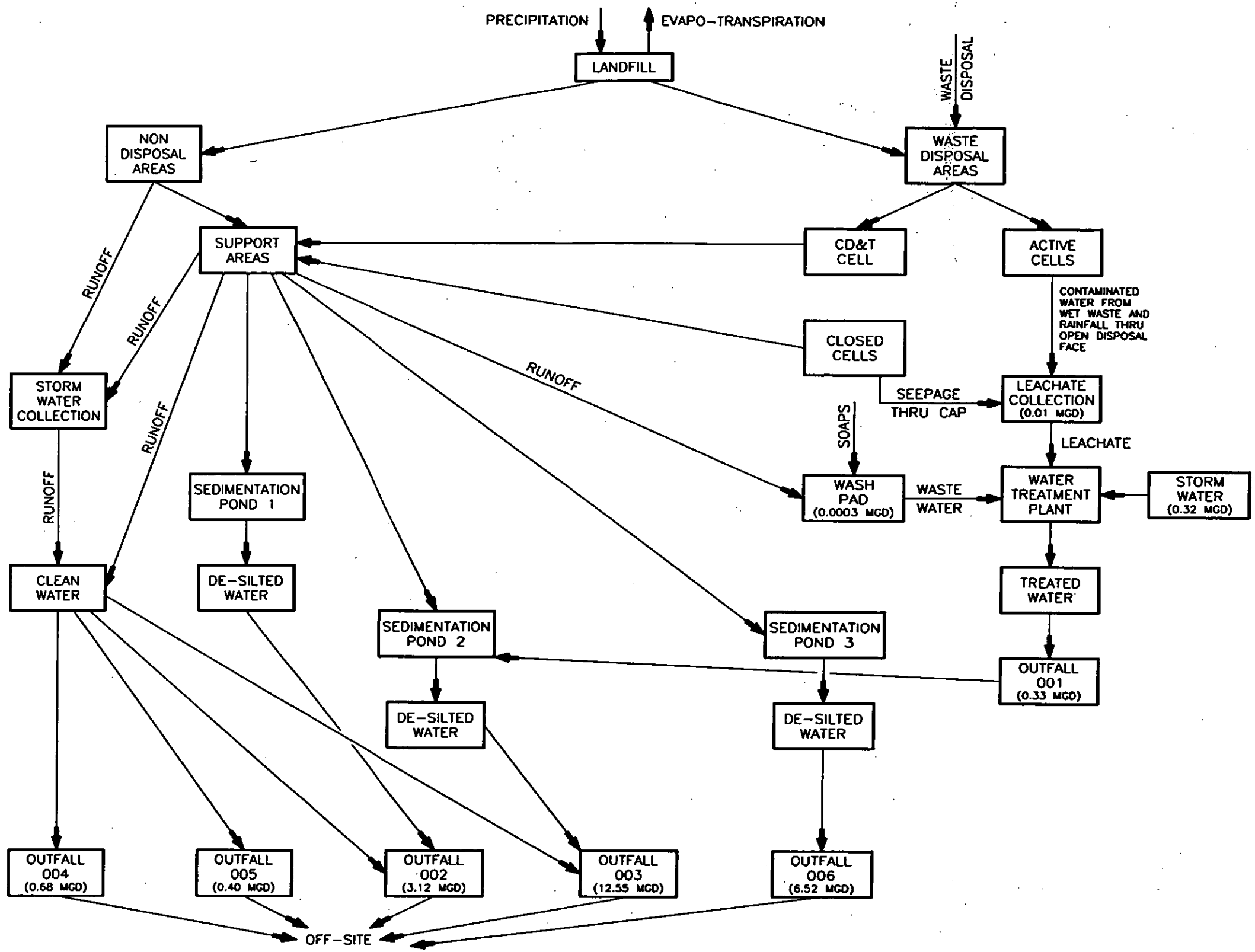
DeSoto Parish Police Jury
P.O. Box 898
Mansfield, Louisiana 71052

JEI # : WATER	DATE	HORIZONTAL SCALE: 1" : 300'
DWN BY : JCI	03/22/06	CONTOUR INTERVAL: AS SHOWN
CK BY : SM	03/22/06	DATUM: MSL

Jones Environmental, Inc.
708 Milam St., Ste. 100, Shreveport, La
(318) 226-8444

JEI-WP2-01
SITE DRAINAGE DIAGRAM


Carmel
Immaculate Conception Chur
Grave
Bayou
Buffalo
US 149
Bayou
Munly
PIERRE
Bayou
GAS FIELD
T 13 N
T 12 N
R 12 W
R 11 W
Munly Ch
Goss
Bethlehem Cem
Bailey
003
002
004
001
006
005
MUNDY LANDFILL
Hwy 84
Bayou
Woodvine Cem
Naborton
Claynit
Clifton
OLD BAYOU
SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER
CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
LOUISIANA
QUADRANGLE LOCATION
BAYOU PIERRE LAKE, LA.
SE/4 MANSFIELD 15' QUADRANGLE
32093-A5-TF-024
1980
REVISED 1992
DMA 7248 II SE-SERIES V885
JEI-WP2-02



Note: Stormwater discharge calculated for 24-hour/25-year design storm per LAC 33:VII.711.A.3.

JEI # : WATER	DATE	
DWN BY : HMM-JOI	03/22/06	
CK BY : SM	03/22/06	
SCALE : NOT TO SCALE		
SHEET 1 OF 1		

Mundy Landfill
2712 Highway 84 East
Mansfield, Louisiana 71052

DeSoto Parish Police Jury
P.O. Box 898
Mansfield, Louisiana 71052

Jones Environmental, Inc.
708 Milam St., Ste. 100, Shreveport, LA
(318) 226-8444

SHEET

JEI-WP2-03
WATER FLOW DIAGRAM

SECTION VII - ENVIRONMENTAL IMPACT QUESTIONNAIRE

Those applicants that are **(1) major new facilities or (2) existing major facilities applying for a substantial modification** to their permit must complete this questionnaire.

There is no requirement that the information furnished in response to this questionnaire be certified by a professional engineer or other expert. However, simple **"yes"** or **"no"** answers **will not be acceptable**. A measured response should be given for each question posed, taking into consideration appropriate factors such as: the environmental sensitivity of the area, both for the proposed site and alternative sites; impacts on the economy of the area, both favorable and unfavorable; availability of raw materials, fuels and transportation and the impact of potential sites on their availability and economics; relationship of the facility to other facilities, either within or independent of the company, and the effects of location on these relationships; and other factors which may be appropriate on a case-by-case basis. **(Attach any additional pages if needed.)**

1. Have the potential and real adverse environmental effects of the proposed facility been avoided to the maximum extent possible?
   See Attachment C.

2. Does a cost benefit analysis of the environmental-impact costs balanced against the social and economic benefits of the proposed facility demonstrate that the latter outweighs the former?
   See Attachment C.

3. Are there alternative projects which would offer more protection to the environment than the proposed facility without unduly curtailing nonenvironmental benefits?
   See Attachment C.

4. Are there alternative sites which would offer more protection to the environment than the proposed facility site without unduly curtailing nonenvironmental benefits?
   See Attachment C.

5. Are there mitigating measures which would offer more protection to the environment than the facility as proposed without unduly curtailing nonenvironmental benefits?
   See Attachment C.

According to the Louisiana Water Quality Regulations, LAC 33:IX.2503.B, the following requirements shall apply to the signatory page in this application:

Chapter 25. Permit Application and Special LPDES Program Requirements

2503. Signatories to permit applications and reports

A. All permit applications shall be signed as follows:

1. For a corporation - by a responsible corporate officer. For the purpose of this Section responsible corporate officer means:

(a) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or

(b) The manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

2. For a partnership or sole proprietorship - by a general partner or the proprietor, respectively; or

3. For a municipality, parish, State, Federal or other public agency - either a principal executive officer or ranking elected official. For the purposes of this Section a principal executive officer of a Federal agency includes:

(a) The chief executive officer of the agency, or

(c) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).

B. All reports required by permits, and other information requested by the state administrative authority shall be signed by a person described in LAC 33:IX.2503.A, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

1. The authorization is made in writing by a person described in LAC 33:IX.2503.A.

2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as a position of plant manager, operator of a well or well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and

3. The written authorization is submitted to the state administrative authority.

C. Changes to authorization. If an authorization under LAC 33:IX.2503.B is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of LAC 33:IX.2503.B must be submitted to the state administrative authority prior to or together with any reports, information, or applications to be signed by an authorized representative.

D. Any person signing any document under LAC 33:IX.2503.A or B shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

SIGNATORY AND AUTHORIZATION

Pursuant to the Water Quality Regulations (specifically LAC 33:IX.2503) promulgated September 1995, the state permit application must be signed by a responsible individual as described in LAC 33:IX.2503 and that person shall make the following certification:

> "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

The applicant for this permit hereby authorizes the Department of Environmental Quality to publish the public notice for a draft permit once in the appropriate newspaper(s). In accordance with LAC 33:IX.6521.A, the applicant agrees to be responsible for the cost of publication. The newspaper(s) is authorized to invoice the applicant directly.

Signature B.D. Mitchell

Printed Name B.D. Mitchell

Title President, DeSoto Parish Police Jury

Date 2/22/06

Telephone 318-872-0738

CHECKLIST

To prevent any unnecessary delay in the processing of your notice of intent to be covered under the general permit, please take a moment and check to be certain that the following items have been addressed and enclosed:

1. ALL questions and requested information have been answered (N/A if the question or information was not applicable).
2. ALL required maps, drawings, lab analysis, and other reports are enclosed.
3. The appropriate person has signed the signatory page.
4. Minor Facilities (flow less than 1.0 MGD), forward the original and two copies of this application. Major Facilities (flow 1.0 MGD and greater), forward the original and four copies of this application.

ANY APPLICATION THAT DOES NOT CONTAIN ALL OF THE REQUESTED INFORMATION WILL BE CONSIDERED INCOMPLETE. APPLICATION PROCESSING WILL NOT PROCEED UNTIL ALL REQUESTED INFORMATION HAS BEEN SUBMITTED.

NOTE: UPON RECEIPT AND SUBSEQUENT REVIEW OF THE APPLICATION BY THE PERMITS DIVISION, YOU MAY BE REQUESTED TO FURNISH ADDITIONAL INFORMATION IN ORDER TO COMPLETE THE PROCESSING OF THE PERMIT.

Media Type (check one)

Hazardous Waste ☐ Air ☐
Solid Waste ☐ Water ☒
Radiation Licensing ☐

Agency Interest Number: 19803____

Is this a copy of a previously submitted form? Yes ☐ No ☒
If yes, indicate the original submittal date:
If yes, indicate the original permit number:

Department of Environmental Quality Permits Division P.O. Box 4313 Baton Rouge, LA 70821-4313 (225) 219-3181	**Addendum to Permit Applications per LAC 33:I.1701**	

Please Type Or Print	Company Name DeSoto Parish Police Jury	☒ Owner ☐ Operator
	Parent Company (if Company Name given above is a division)	
	Plant name (if any) Mundy Landfill D-031-1827	
	Nearest town Mansfield, Louisiana	Parish where located DeSoto Parish

Use attachments to provide the required information. "NA" is not an acceptable answer. If a particular section does not apply to you, explain why.

1. Please provide a list of the states where you, as applicant*, have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying. Louisiana

   *This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.

2. Do you owe any outstanding fees or final penalties to the Department? No☒ Yes☐ If yes, please explain.

3. Is your company a corporation or limited liability company? No☒ Yes☐ If yes, attach a copy of your company's Certificate of Registration and/or Certificate of Good Standing from the Secretary of State.

Certification:

I certify, under provisions in Louisiana and United States law which provide criminal penalties for false statements, that based on information and belief formed after reasonable inquiry, the statements and information contained in this Addendum to the Permit Application, including all attachments thereto are true, accurate, and complete.

Responsible Official

Name B. D. Mitchell	City Mansfield	State LA	Zip 71052
Title President	Business phone 318-872-0738		
Company DeSoto Parish Police Jury	Signature of responsible official(s) B.D. Mitchell		
Suite, mail drop, or division	Date 2/22/06		
Street or P.O. Box P.O. Box 898			

ATTACHMENT A

DISCHARGE MONITORING REPORTS (DMRs)
AND LABORATORY REPORTS
JANUARY 2004 – DECEMBER 2005

NAME DeSoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

LA0[redacted]5702	001
PERMIT NUMBER	DISCHARGE NUMBER (17-19)

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT									1/7	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	Report	Report							1/7	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						125.0			1/7	Grab
BOD5	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00310 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						30.0			1/7	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						50.0			1/7	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						15.0			1/7	Grab
TDS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
03613 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						Report			1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chrene
Solid Waste
Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
(318)	872-2500	04	03	26
AREA CODE	NUMBER	YEAR	MO.	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITTEE NAME/ADDRESS (Address if same as Name/Location is different)

NAME Desoto Parish Policy Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (3-9)	DISCHARGE NUMBER (17-19)
LA0066702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		2.6.0	[illegible]	9.0		[illegible]	1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318)872-2500 AREA CODE / NUMBER	04 YEAR	03 MO	26 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME Desoto Parish Policy Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

DISCHARGE MONITORING REPORT (DMR)

(2-16) LA0066702 — PERMIT NUMBER

(17-19) 002 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						9			1/30	Grab
METALS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
01114 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT									1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
03582 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						15			1/30	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
TSS 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						50			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chrene
Solid Waste
Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
(318)	872-2500	04	03	26
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME DeSoto Parish Policy Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA[redacted]6702	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (48-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	Report	Report							1/7	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	Report	Report							Cont.	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						100.0			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						76.0			1/30	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						50.0			1/30	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT				6.0		9.0			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318) 872-2500	04	03	26
TYPED OR PRINTED			AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME Desoto Parish Policy Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT										Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT		Report							Cont	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						100.0			1/30	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT				6.0		9.0			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chrene
Solid Waste
Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
(318)	872-2500	04	03	26
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME DeSoto Parish Policy Jury
ADDR[redacted] P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA0[redacted]6702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	QUANTITY OR CONCENTRATION (4 Card Only) MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT										Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT		Report							Cont.	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						100.0			1/90	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT				6.0		9.0			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						15.0			1/90	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(318) 872-2500	04	03	26
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME Desoto Parish Policy Jury
ADD[redacted] P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA[redacted]6702	006

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	01	01	TO	04	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	Grab
O & G	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	Grab
METALS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chrene
Solid Waste
Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
(318)	872-2500	04	03	26
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME DeSoto Parish Policy Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

(1-16) LA[redacted]6702 — PERMIT NUMBER
(17-19) 001 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	02	01	TO	04	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☐ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	7.2	*****	7.2	s.u.	0	1/7	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		6.0	*****	9.0			1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(318) 872-2500	04	03	26
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME DeSoto Parish Policy Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA00[illegible]702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	02	01	TO	04	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		QUANTITY OR LOADING (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	QUANTITY OR CONCENTRATION (38-45) MINIMUM	QUANTITY OR CONCENTRATION (46-53) AVERAGE	QUANTITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		0	1/7	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/7	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	Report	Report		*****	*****	*****			1/7	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	125.0			1/7	Grab
BOD5	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00310 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	30.0			1/7	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	19.5	mg/L	0	1/7	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	50.0			1/7	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	BDL	mg/L	0	1/7	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15.0			1/7	Grab
TDS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
03613 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	Report			1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318) 872-2500	04	03	26
TYPED OR PRINTED			AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME DeSoto Parish Policy Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

(3-16) LA00[illegible]702 PERMIT NUMBER

(17-19) 001 DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	02	01	TO	04	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	7.2	*****	7.2	s.u.	0	1/7	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		6.0	*****	9.0			1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chrene
Solid Waste
Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
(318)	872-2500	04	03	26
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME Desoto Parish Policy Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA00[illegible]6702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	02	01	TO	04	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	7	s.u.	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	9.0			1/30	Grab
METALS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	0	1/30	Grab
01114 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	10.0			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	BDL	mg/L	0	1/30	Grab
03582 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15			1/30	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	27	mg/L	0	1/30	Grab
TSS 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	50			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(318) 872-2500	04	03	26
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME DeSoto Parish Police Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER (2-7)	DISCHARGE NUMBER (17-19)
LA0 702	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	02	01	TO	04	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		0	1/30	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT									1/30	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT		Report							Report	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						100.0			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	BDL	mg/L	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						15.0			1/30	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	31.5	mg/L	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	50.0			1/30	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	7.2	*****	7.2	s.u.	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT				6.0		9.0			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(318) 872-2500	04	03	26
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME DeSoto Parish Police Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA0[illegible]702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	02	01	TO	04	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	1/6[illegible]	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	Report		[illegible]	[illegible]	[illegible]		[illegible]	Cont.	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	100.0		[illegible]	1/30	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		6.0	[illegible]	9.0		[illegible]	1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chrene
Solid Waste
Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
(318)	872-2500	04	03	26
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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ADDRE[illegible] P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

(2[illegible]) LA00[illegible]02 — PERMIT NUMBER

(17-19) 005 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	02	01	TO	04	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT									1/90	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT		Report							Cont	Est
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						100.0			1/90	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT				6.0		9.0			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						15.0			1/90	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318)872-2500 AREA CODE NUMBER	04 YEAR	03 MO	26 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME DeSoto Parish Policy Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA00[illegible]702	006

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	02	01	TO	04	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	1/30	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	50		[illegible]	1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	15		[illegible]	1/30	Grab
METALS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318) 872-2500	04	03	26
TYPED OR PRINTED			AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Corporate Laboratory P.O.Box 9000, Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: 237231

Report Date: 02/05/2004

001prtproj2

Client: DPML
Desoto Parish Police Jury

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Results for Project 237231

3429 001 — Liquid Aqueous Taken: 01/26/2004 0805 By: S Youngblood

ameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
al Suspended Solids	19.5	mg/L		1	EPA Method 160.2	02/02/2004 1640	LMK	
and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	02/04/2004 0935	CGG	
al Arsenic	ND	mg/L		0.00300	EPA Method 200.8	01/29/2004 1300	WOB	7440-38-2
al Barium	0.0421	mg/L		0.00100	EPA Method 200.8	01/29/2004 1300	WOB	7440-39-3
al Cadmium	ND	mg/L		0.000200	EPA Method 200.8	01/29/2004 1300	WOB	7440-43-9
al Chromium	0.00280	mg/L		0.00100	EPA Method 200.8	01/29/2004 1300	WOB	7440-47-3
al Lead	0.000790	mg/L		0.000500	EPA Method 200.8	01/29/2004 1300	WOB	7439-92-1
al Selenium	ND	mg/L		0.00300	EPA Method 200.8	01/29/2004 1300	WOB	7782-49-2
al Silver	ND	mg/L		0.00100	EPA Method 200.8	01/29/2004 1300	WOB	7440-22-4
al Mercury	ND	mg/L		0.000150	EPA Method 245.1	01/30/2004 1629	WOB	7439-97-6
oratory pH	7.2 @ 18C	SU			SM 18th, 4500-H+ B	01/29/2004 1200	LMB	

3430 002 — Liquid Aqueous Taken: 01/26/2004 0830 By: S Youngblood

ameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
pended Solids	27.0	mg/L		1	EPA Method 160.2	02/02/2004 1640	LMK	
rease (HEM)	ND	mg/L		4	EPA Method 1664 A	02/04/2004 0935	CGG	
al Arsenic	ND	mg/L		0.00300	EPA Method 200.8	01/29/2004 1300	WOB	7440-38-2
al Barium	0.0429	mg/L		0.00100	EPA Method 200.8	01/29/2004 1300	WOB	7440-39-3
al Cadmium	ND	mg/L		0.000200	EPA Method 200.8	01/29/2004 1300	WOB	7440-43-9
al Chromium	0.00273	mg/L		0.00100	EPA Method 200.8	01/29/2004 1300	WOB	7440-47-3
al Lead	0.000810	mg/L		0.000500	EPA Method 200.8	01/29/2004 1300	WOB	7439-92-1
al Selenium	ND	mg/L		0.00300	EPA Method 200.8	01/29/2004 1300	WOB	7782-49-2
al Silver	ND	mg/L		0.00100	EPA Method 200.8	01/29/2004 1300	WOB	7440-22-4
al Mercury	ND	mg/L		0.000150	EPA Method 245.1	01/30/2004 1629	WOB	7439-97-6
oratory pH	7.2 @ 18C	SU			SM 18th, 4500-H+ B	01/29/2004 1200	LMB	

3431 003 — Liquid Aqueous Taken: 01/26/2004 0900 By: S Youngblood

ameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
al Suspended Solids	31.5	mg/L		1	EPA Method 160.2	02/02/2004 1640	LMK	
and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	02/04/2004 0935	CGG	
al Arsenic	ND	mg/L		0.00300	EPA Method 200.8	01/29/2004 1300	WOB	7440-38-2
al Barium	0.0426	mg/L		0.00100	EPA Method 200.8	01/29/2004 1300	WOB	7440-39-3
al Cadmium	ND	mg/L		0.000200	EPA Method 200.8	01/29/2004 1300	WOB	7440-43-9
al Chromium	0.00231	mg/L		0.00100	EPA Method 200.8	01/29/2004 1300	WOB	7440-47-3
al Lead	0.000830	mg/L		0.000500	EPA Method 200.8	01/29/2004 1300	WOB	7439-92-1
al Selenium	ND	mg/L		0.00300	EPA Method 200.8	01/29/2004 1300	WOB	7782-49-2
al Silver	ND	mg/L		0.00100	EPA Method 200.8	01/29/2004 1300	WOB	7440-22-4
al Mercury	ND	mg/L		0.000150	EPA Method 245.1	01/30/2004 1629	WOB	7439-97-6
oratory pH	7.2 @ 18C	SU			SM 18th, 4500-H+ B	01/29/2004 1200	LMB	

Corporate Laboratory
P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

ANA-LAB CORP.
THE COMPLETE SERVICE LAB
2600 Dudley Rd
PO Box 9000
Kilgore, TX 75667
903.984.0551
(fx) 903.984.5914
e-mail: corp@ana-lab.com

Chain of Custody

Panhandle 806.355.3555 | Oklahoma 405.232.6630 | North-TX 817.261.6404 | Central-TX 512.821.0045
Rio Grand Valley 956.831.0437 | Louisiana 318.219.9300 | Gulf Coast 281.333.9414 | Northeast 410.721.6505

Report to:

Company name: De Soto Parish/Mundy Landfill
Address: 2712 Hwy 84 East
City: Mansfield State: La Zip: 71052
Phone: 318-872-2560 Fax: 318-872-2541

Project-name/location: De Soto Parish Police Jury
Billing Address (if different): P.O. Box 898
City: Mansfield State: La Zip: 71052
Phone: 318-872-0738 Fax:

Sample Signature: Sherman Youngblood
Printed Name: Sherman Youngblood
Affiliation: Superintendent
PO Number:

Analysis Requested

Lab Number Do Not Use	Field Identification	Date	Time	Matrix	# of Containers	Notes	P.H. Temp	TSS	O&G	RCRA Metals
653429	001	1/26/04	8:05		3		X	X	X	X
653430	002	1/26/04	8:30		3		X	X	X	X
653431	003	1/26/04	9:00		3		X	X	X	X

Date	Time	Relinquished by: Printed Name	Signature	Affiliation	Received by: Printed Name	Signature	Affiliation
1/26/04	8:55	Sherman Youngblood	Sherman Youngblood	Superintendent	Dennis Dees	Dennis Dees	Analyst
1/26/04	1430	Dennis Dees	Dennis Dees	Analyst	Christi Parker	Christi Parker	Analyst
					1/28/04	1640	

☑ Wastewater ☐ Drinking Water ☐ SW846

Samples Received on Ice? ☑ Yes ☐ No
Cooler/Sample Secured? ☑ Yes ☐ No
Requested TAT ☐ Routine ☐ 3 day ☐ 2 Day ☐ 24 Hr ☐ 2-8 Hour
Method of Shipment ☐ Bus ☐ FedEX ☐ Lone Star ☐ UPS ☐ Hand delivered ☐ Airborne ☑ other
Tracking or Shipping Number

ACCREDITED

ANA-LAB CORP. THE COMPLETE SERVICE LAB

OUTFALL # 001

PH RESULTS 6.90

DATE 2-7-03

SAMPLING INFORMATION SHEET

OUTFALL # 061

DATE 2-7-03

TIME 9:53

SAMPLE CAUGHT BY Sherman youngblood

TITLE Assist superitendent

PH TESTING INFORMATION

Tested by Shermanyoungblood Title Assist Superitendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 22 C

Sample Temperture 10 C

Testing Time 9:58 (a.m.) p.m.

Smaple Results 6.90 pH

Meter calibration tested after analysis (Y) or N Results 6.90 pH

Approved Sherman youngblood

Title Assist Superitendent

OUTFALL # 002

PH RESULTS 6.75

DATE 2-7-03

SAMPLING INFORMATION SHEET

OUTFALL # 002

DATE 2-7-03

TIME 10:05

SAMPLE CAUGHT BY Sherman youngblood

TITLE Assist Superitendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Assist Superitendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 22 C

Sample Temperture 10 C

Testing Time 10:09 (a.m.) p.m.

Snaple Results 6.75 pH

Meter calibration tested after analysis Y or N Results 6.75 pH

Approved Sherman youngblood

Title Assist Superitendent

OUTFALL # 003

PH RESULTS 6.84

DATE 2-7-03

SAMPLING INFORMATION SHEET

OUTFALL # 003

DATE 2-7-03

TIME 10:15

SAMPLE CAUGHT BY Sherman youngblood

TITLE Assist Superitendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Assist Superitendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 22 C

Sample Temperture 10 C

Testing Time 10:21 (a.m.) p.m.

Smaple Results 6.84 pH

Meter calibration tested after analysis Y or N Results 6.84 pH

Approved Sherman youngblood

Title Assist Superitendent

OUTFALL # 006

PH RESULTS 6.88

DATE 2-7-03

SAMPLING INFORMATION SHEET

OUTFALL # 006

DATE 2-7-03

TIME 10:34

SAMPLE CAUGHT BY Sherman youngblood

TITLE Assist Superitendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Assist Superitendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 22 C

Sample Temperture 10 C

Testing Time 10:40 (a.m.) p.m.

Smaple Results 6.88 pH

Meter calibration tested after analysis Y or N Results 6.88 pH

Approved Sherman youngblood

Title Assist Superitendent

ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA0[illegible]702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	03	01	TO	04	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	NO. EXCEEDANCES	*****	*****		6.0	*****	9.0		[illegible]	1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318) 872-2500 AREA CODE NUMBER	04 YEAR	05 MO	20 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME DeSoto Parish Policy Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

LA00[illegible]702 — PERMIT NUMBER
(17-19) 001 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	03	01	TO	04	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/7	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	Report	Report		*****	*****	*****			1/7	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	125.0			1/7	Grab
BOD5	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00310 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	30.0			1/7	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	50.0			1/7	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15.0			1/7	Grab
TDS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
03613 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	Report			1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chrene
Solid Waste
Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: (318) 872-2500 (AREA CODE NUMBER)

DATE: 04 (YEAR) 05 (MO) 20 (DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME DeSoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

(3-[illegible]) LA0[illegible]702 — PERMIT NUMBER

(17-19) 002 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	03	01	TO	04	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	9.2			1/30	Grab
METALS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
01114 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
03582 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15			1/30	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
TSS 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	50			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(318) 872-2500	04	05	20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME Desoto Parish Policy Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA0086702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	03	01	TO	04	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/7	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	Report		*****	*****	*****			Cont	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	100.0			1/30	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		6.0	*****	9.0			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318) 872-2500	04	05	20
TYPED OR PRINTED			AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME DeSoto Parish Policy Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA0[illegible]3702	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	03	01	TO	04	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****							1/30	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	Report							1/30	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****				100.0			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15.0			1/30	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	50.0			1/30	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		6.0	*****	9.0			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(318) 872-2500	04	05	20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME Desoto Parish Policy Jury
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

LA0[illegible]702	005
PERMIT NUMBER	DISCHARGE NUMBER (17-19)

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	03	01	TO	04	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/7	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	Report		*****	*****	*****			Cont	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	100.0			1/90	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		6.0	*****	9.0			1/90	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15.0			1/90	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318) 872-2500	04	05	20
TYPED OR PRINTED			AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME Desoto Parish Policy Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

PERMIT NUMBER	DISCHARGE NUMBER (17-19)
LA[illegible]6702	006

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	03	01	TO	04	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	9			1/30	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	150			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15			1/30	Grab
METALS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chrene
Solid Waste
Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
(318)	872-2500	04	05	20
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME [redacted]esoto Parish Policy Jury

ADDRESS P.O. Box 898

Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA

NATIONAL POLLU[redacted] DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCH[redacted] MONITORING REPORT (DMR)

(2-16) LA0066702 PERMIT NUMBER

(17-19) 001 DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	04	01	TO	04	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/7	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	Report	Report		*****	*****	*****			1/7	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	125.0			1/7	Grab
BOD5	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00310 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	30.0			1/7	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	150.0			1/7	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15.0			1/7	Grab
TDS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
03613 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	Report			1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chrene
Solid Waste
Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
(318)	872-2500	04	05	20
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME Desoto Parish Policy Jury

ADDRESS P.O. Box 898

Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: LA0066702

(17-19) DISCHARGE NUMBER: 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	04	01	TO	04	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (82-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH 00400 1 0 0 Effluent Gross Value	*****	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
	PERMIT REQUIREMENT	*****	*****		6.0	*****	9.0		*****	*****	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318) 872-2500	04	05	20
TYPED OR PRINTED			AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME [redacted]esoto Parish Policy Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA

NATIONAL POLL[redacted] DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCH[redacted] MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	04	04	TO	04	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/30	Grab
METALS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
01114 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
03582 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/30	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
TSS 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		(318)872-2500	04	05	20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Desoto Parish Policy Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) LA0066702 PERMIT NUMBER

(17-19) 003 DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	04	01	TO	04	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*	1/7	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	Report		*****	*****	*****			Cont.	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	100.0			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15.0			1/30	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	50.0			1/30	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		6.0	*****	9.0			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chrene
Solid Waste
Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: (318) 872-2500 (AREA CODE / NUMBER)

DATE: 04 (YEAR) 05 (MO) 20 (DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Desoto Parish Policy Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	04	01	TO	04	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT									1/7[illegible]	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT		Report							Cont	Est
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						30.0			1/30	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT				5.0		9.0			1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chrene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(318)872-2500	04	05	20
TYPED OR PRINTED			AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME [redacted]soto Parish Policy Jury

ADDRESS P.O. Box 898

Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHA[redacted]MONITORING REPORT (DMR)

(2-16) LA0066702 PERMIT NUMBER

(17-19) 005 DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	04	01	TO	04	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
METALS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****		*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/7[illegible]	Grab
Flow	SAMPLE MEASUREMENT	*****	*****	gpd	*****	*****	*****	gpd	*	****	Est.
50050 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	Report		*****	*****	*****			Cont.	Est.
COD	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00340 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	100.0			1/90	Grab
pH	SAMPLE MEASUREMENT	*****	*****	s.u.	*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		6.0	*****	9.0			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15.0			1/90	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chrene
Solid Waste
Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
(318)	872-2500	04	05	20
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME [redacted]esoto Parish Policy Jury

ADDRESS P.O. Box 898

Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA

NATIONAL POLLU[redacted] DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCH[redacted] MONITORING REPORT (DMR)

(2-16) LA0066702 PERMIT NUMBER

(17-19) 006 DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	04	01	TO	04	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	s.u.	*	****	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	11.0			1/30	Grab
TSS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	150			1/30	Grab
O & G	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	mg/L	*	****	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	15			1/30	Grab
METALS	SAMPLE MEASUREMENT	*****	*****	mg/L	*****	*****	*****	mg/L	*	****	Grab
78240 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****		*****	*****	8.5			1/7	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chrene
Solid Waste
Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
(318)	872-2500	04	05	20

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME P3M Virtual Company
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

LA[illegible]6702	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	05	01	TO	04	05	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/7	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/7	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	07	13
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME P3M Virtual Company
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0036702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	05	01	TO	04	05	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	04	07	13

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME [illegible] Company

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY LOCATION Mundy Sanitary Landfill
Mansfield, LA 71052

PERMIT NUMBER	DISCHARGE NUMBER
LA0[illegible]5702	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	05	01	TO	04	05	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	07	13
AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME P3M Virtual Company
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	05	01	TO	04	05	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
03598 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chreene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		3188722500	04	07	13
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME P3M Virtual Company
ADDR P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	05	01	TO	04	05	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/90	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/90	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	04	07	13

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME P3M Virtual Company
ADDRE P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0036702	006

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	05	01	TO	04	05	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	07	13
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME P3M Virtual Company
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

LA0[illegible]702	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	06	01	TO	04	06	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	6.8	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	< 1	(19)	1	1/7	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/7	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	07	13
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME P3M Virtual Company
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

PERMIT NUMBER	DISCHARGE NUMBER
LA0[illegible]702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	06	01	TO	04	06	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	6.8	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	78.0	(19)	1	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	07	13
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME P3M Virtual Company
ADDRE[illegible] .O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

LA0[illegible]702 — PERMIT NUMBER
003 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	06	01	TO	04	06	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	6.9	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	86.0	(19)	1	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	07	13
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME P3M Virtual Company
ADDRESS P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0006702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	06	01	TO	04	06	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
03598 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chreene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		3188722500	04	07	13
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME P3M Virtual Company
ADDRE[illegible] P.O. Box 898
Mansfield, LA 71052
FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

LA0[illegible]702	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	06	01	TO	04	06	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/90	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/90	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chreene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		3188722500	04	07	13
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME [illegible]

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

PERMIT NUMBER	DISCHARGE NUMBER
LA0[illegible]702	006

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	06	01	TO	04	06	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	6.9	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	84.0	(19)	1	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Pete Chreene Solid Waste Superintendent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		3188722500	04	07	13
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Corporate Laboratory P.O.Box 9000, Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: **248738**

Report Date: 06/18/2004

001prtproj2

Client: DPML

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Results for Project 248738

:1357 001 — Liquid Aqueous Taken: 06/01/2004 0815 By: S Youngblood

rameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
spended Solids	81	mg/L		4	EPA 160.2	06/07/2004 1600	LMK	
and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	06/11/2004 1400	CGG	
mperature	24	Deg C		1	EPA Method 170.1	06/16/2004 1400	S Y	
senic	ND	mg/L		0.00300	EPA Method 200.8	06/06/2004 0900	WOB	7440-38-2
rium	0.104	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-39-3
dmium	ND	mg/L		0.000200	EPA Method 200.8	06/06/2004 0900	WOB	7440-43-9
romium	0.00260	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-47-3
ad	0.000930	mg/L		0.000500	EPA Method 200.8	06/06/2004 0900	WOB	7439-92-1
lenium	ND	mg/L		0.00300	EPA Method 200.8	06/06/2004 0900	WOB	7782-49-2
ver	ND	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-22-4
rcury	ND	mg/L		0.000150	EPA Method 245.1	06/03/2004 1431	WOB	7439-97-6
oratory pH	6.8 @ 17C	SU			SM 18th, 4500-H+ B	06/03/2004 1120	SFB	

:1359 002 — Liquid Aqueous Taken: 06/01/2004 0825 By: S Youngblood

er	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
spended Solids	78.0	mg/L		4	EPA 160.2	06/07/2004 1600	LMK	
and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	06/11/2004 1400	CGG	
mperature	24	Deg C		1	EPA Method 170.1	06/16/2004 1400	S Y	
senic	ND	mg/L		0.00300	EPA Method 200.8	06/06/2004 0900	WOB	7440-38-2
rium	0.110	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-39-3
dmium	0.000520	mg/L		0.000200	EPA Method 200.8	06/06/2004 0900	WOB	7440-43-9
romium	0.00378	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-47-3
ad	0.00193	mg/L		0.000500	EPA Method 200.8	06/06/2004 0900	WOB	7439-92-1
lenium	ND	mg/L		0.00300	EPA Method 200.8	06/06/2004 0900	WOB	7782-49-2
ver	ND	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-22-4
rcury	ND	mg/L		0.000150	EPA Method 245.1	06/03/2004 1431	WOB	7439-97-6
oratory pH	6.8 @ 17C	SU			SM 18th, 4500-H+ B	06/03/2004 1120	SFB	

:1360 0003 — Liquid Aqueous Taken: 06/01/2004 0840 By: S Youngblood

rameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
spended Solids	86.0	mg/L		4	EPA 160.2	06/07/2004 1600	LMK	
and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	06/11/2004 1400	CGG	
mperature	24	Deg C		1	EPA Method 170.1	06/16/2004 1400	S Y	
senic	ND	mg/L		0.00300	EPA Method 200.8	06/06/2004 0900	WOB	7440-38-2
rium	0.105	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-39-3
dmium	ND	mg/L		0.000200	EPA Method 200.8	06/06/2004 0900	WOB	7440-43-9
romium	0.00327	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-47-3
ad	0.00131	mg/L		0.000500	EPA Method 200.8	06/06/2004 0900	WOB	7439-92-1
lenium	ND	mg/L		0.00300	EPA Method 200.8	06/06/2004 0900	WOB	7782-49-2

ANA-LAB CORP.
COMPLETE SERVICE LAB

Corporate Laboratory P.O.Box 9000, Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: **248738**

Report Date: 06/18/2004

001prtproj2

Client: DPML

Results for Project 248738

81360 0003 — Liquid Aqueous Taken: 06/01/2004 0840 By: S Youngblood

'arameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
ilver	ND	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-22-4
lercury	ND	mg/L		0.000150	EPA Method 245.1	06/03/2004 1431	WOB	7439-97-6
aboratory pH	6.9 @ 17C	SU			SM 18th, 4500-H+ B	06/03/2004 1120	SFB	

81361 006 — Liquid Aqueous Taken: 06/01/2004 0905 By: S Youngblood

'arameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
uspended Solids	84.0	mg/L		4	EPA 160.2	06/07/2004 1600	LMK	
il and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	06/11/2004 1400	CGG	
emperature	24	Deg C		1	EPA Method 170.1	06/16/2004 1400	S Y	
rsenic	ND	mg/L		0.00300	EPA Method 200.8	06/06/2004 0900	WOB	7440-38-2
arium	0.105	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-39-3
admium	ND	mg/L		0.000200	EPA Method 200.8	06/06/2004 0900	WOB	7440-43-9
hromium	0.00294	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-47-3
ead	0.00102	mg/L		0.000500	EPA Method 200.8	06/06/2004 0900	WOB	7439-92-1
elenium	ND	mg/L		0.00300	EPA Method 200.8	06/06/2004 0900	WOB	7782-49-2
ilver	ND	mg/L		0.00100	EPA Method 200.8	06/06/2004 0900	WOB	7440-22-4
[illegible]y	ND	mg/L		0.000150	EPA Method 245.1	06/03/2004 1431	WOB	7439-97-6
[illegible]tory pH	6.9 @ 17C	SU			SM 18th, 4500-H+ B	06/03/2004 1120	SFB	

Sample Preparation Steps for Project 248738

81357 001 — Liquid Aqueous Taken: 06/01/2004 0815 By: S Youngblood

'arameter	Result	Unit	Method	Analyzed	By
ottle pH	<2	SU		06/02/2004 1430	CCP
SS Set Started	FILTERED			06/07/2004 1525	LMK
iquid - Metals Digestion	50/50 A/S/S	mL/mL	EPA 200.2	06/03/2004 1145	MDD
lercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	06/03/2004 0930	PJD

81359 002 — Liquid Aqueous Taken: 06/01/2004 0825 By: S Youngblood

'arameter	Result	Unit	Method	Analyzed	By
ottle pH	<2	SU		06/02/2004 1430	CCP
SS Set Started	FILTERED			06/07/2004 1525	LMK
iquid - Metals Digestion	50/50	mL/mL	EPA 200.2	06/03/2004 1146	MDD
lercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	06/03/2004 0930	PJD

81360 0003 — Liquid Aqueous Taken: 06/01/2004 0840 By: S Youngblood

'arameter	Result	Unit	Method	Analyzed	By
ottle pH	<2	SU		06/02/2004 1430	CCP
SS Set Started	FILTERED			06/07/2004 1525	LMK
iquid - Metals Digestion	50/50	mL/mL	EPA 200.2	06/03/2004 1146	MDD
[illegible] Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	06/03/2004 0930	PJD

EDITED IN ACCORDANCE WITH nelac
MEMBER ACIL

ANA-LAB CORP.
8/2004 TE SERVICE LAB

Corporate Laboratory

P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

Project 248738 Samples

003projsamples

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention:

ple	Identification	Taken		By	Received
1357	*001*	06/01/2004	0815	S Youngblood	06/02/2004

Matrix: Liquid Aqueous

tle # 01 *Plastic 1/2 gal (White)
tle # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
tle # 03 *HNO3 to pH <2 plastic 500 mL for Metals
tle # 04 Prepared Bottle: Mercury Preparation for Metals (Batch 111643) Volume: 50.0 mL ==> Derived from 03(25.0 mL

tle # 05 Prepared Bottle: ICP Preparation for Metals (Batch 111660) Volume: 50.0 mL ==> Derived from 03(50.0 mL)
tle # 06 Prepared Bottle: ICP Preparation for Metals (Batch 111660) Volume: 50.0 mL ==> Derived from 03(50.0 mL)
tle # 07 Prepared Bottle: ICP Preparation for Metals (Batch 111660) Volume: 50.0 mL ==> Derived from 03(50.0 mL)

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA 160.2	01	111983	06/07/2004	111983	06/07/2004
EPA Method 1664 A	02	112485	06/11/2004	112485	06/11/2004
EPA Method 170.1	01	006530	06/16/2004		06/16/2004
EPA Method 200.8	05	111660	06/03/2004	111899	06/06/2004
EPA Method 245.1	04	111643	06/03/2004	111763	06/03/2004
SM 18th, 4500-H+ B	01	111776	06/03/2004	111776	06/03/2004

1359	*002*	06/01/2004	0825	S Youngblood	06/02/2004

Matrix: Liquid Aqueous

:tle # 01 *Plastic 1/2 gal (White)
:tle # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
:tle # 03 *HNO3 to pH <2 plastic 500 mL for Metals
:tle # 04 Prepared Bottle: Mercury Preparation for Metals (Batch 111643) Volume: 50.0 mL ==> Derived from 03(25.0 mL

:tle # 05 Prepared Bottle: ICP Preparation for Metals (Batch 111659) Volume: 50.0 mL ==> Derived from 03(50.0 mL)

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA 160.2	01	111983	06/07/2004	111983	06/07/2004
EPA Method 1664 A	02	112485	06/11/2004	112485	06/11/2004
EPA Method 170.1	01	006530	06/16/2004		06/16/2004
EPA Method 200.8	05	111659	06/03/2004	111899	06/06/2004
EPA Method 245.1	04	111643	06/03/2004	111763	06/03/2004
SM 18th, 4500-H+ B	01	111776	06/03/2004	111776	06/03/2004

:1360	*0003*	06/01/2004	0840	S Youngblood	06/02/2004

Matrix: Liquid Aqueous

:tle # 01 *Plastic 1/2 gal (White)
:tle # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
:tle # 03 *HNO3 to pH <2 plastic 500 mL for Metals
ttle # 04 Prepared Bottle: Mercury Preparation for Metals (Batch 111643) Volume: 50.0 mL ==> Derived from 03(25.0 mL

tle # 05 Prepared Bottle: ICP Preparation for Metals (Batch 111659) Volume: 50.0 mL ==> Derived from 03(50.0 mL)

ANA-LAB CORP.
CORPORATE SERVICE LAB
Corporate Laboratory P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

Project 248738 Samples

mple	Identification	Taken	By	Received
1361	006	06/01/2004 0905	S Youngblood	06/02/2004

Matrix: Liquid Aqueous

tle # 01 *Plastic 1/2 gal (White)
tle # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
tle # 03 *HNO3 to pH <2 plastic 500 mL for Metals
tle # 04 Prepared Bottle: Mercury Preparation for Metals (Batch 111643) Volume: 50.0 mL ==> Derived from 03(25.0 mL

tle # 05 Prepared Bottle: ICP Preparation for Metals (Batch 111659) Volume: 50.0 mL ==> Derived from 03(50.0 mL)

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA 160.2	01	111983	06/07/2004	111983	06/07/2004
EPA Method 1664 A	02	112485	06/11/2004	112485	06/11/2004
EPA Method 170.1	01	006530	06/16/2004		06/16/2004
EPA Method 200.8	05	111659	06/03/2004	111899	06/06/2004
EPA Method 245.1	04	111643	06/03/2004	111763	06/03/2004
SM 18th, 4500-H+ B	01	111776	06/03/2004	111776	06/03/2004

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA 160.2	01	111983	06/07/2004	111983	06/07/2004
EPA Method 1664 A	02	112485	06/11/2004	112485	06/11/2004
EPA Method 170.1	01	006530	06/16/2004		06/16/2004
EPA Method 200.8	05	111659	06/03/2004	111899	06/06/2004
EPA Method 245.1	04	111643	06/03/2004	111763	06/03/2004
SM 18th, 4500-H+ B	01	111776	06/03/2004	111776	06/03/2004

** Corrected COC **

ANA-LAB CORP. THE COMPLETE SERVICE LAB
2600 Dudley Rd
PO Box 9000
Kilgore, TX 75662
903.984.0551
(fx) 903.984.5914
e-mail: corp@ana-lab.com

[redacted]

Panhandle 806.355.3556 | Oklahoma 405.212.6630 | North-TX 817.261.6404 | Central-TX 512.821.0045
Rio Grand Valley 956.831.6437 | Louisiana 318.219.9300 | Gulf Coast 281.333.9414 | Northeast 410.721.6506

Report to:

Company name: Desoto Parish/Mundy Landfill
Address: 2712 Hwy 84 East
City: Mansfield State: La Zip: 71052
Phone: 872-2540 Fax: 318-872-2541

Project- name/location

Billing Address (if different): Desoto Parish Police Jury
P.O. Box 848
City: Mansfield State: La Zip: 71052
Phone: 318-872-0738 Fax:

Sampler Signature: Sherman Youngblood
Printed Name: Sherman Youngblood
Affiliation: Superintendent
PO Number:

Analysis Requested

Lab Number Do Not Use	Field Identification	Date	Time	Matrix	# of Containers	Notes	P.H. Temp		TSS		O&G		RCRA Metals	
	001	6/1/04	8:15		3	24°C	X		X		X		X	
	002	6/1/04	8:25		3	24°C	X		X		X		X	
	0003	6/1/04	8:40		3	24°C	X		X		X		X	
	006	6/1/04	9:05		3	24°C	X		X		X		X	

Date	Time	Relinquished by: Printed Name	Signature	Affiliation	Received by: Printed Name	Signature	Affiliation
6-1-04	9:30	Sherman Youngblood	Sherman Youngblood		[illegible]	[illegible]	
6-1-04	1200	[illegible]	[illegible]	ANA-Lab			

☑ Wastewater ☐ Drinking Water ☐ SW846

Samples Received on Ice? ☐ Yes ☐ No
Cooler/Sample Secure? ☐ Yes ☐ No
Requested TAT ☐ Routine ☐ 3 day ☐ 2 Day ☐ 24 Hr ☐ 2-8 Hour
Method of Shipment ☐ Bus ☐ FedEX ☐ Lone Star ☐ UPS ☐ Hand delivered ☐ Airborne ☐ other
Tracking or Shipping Number

ACCREDITED

ANA-LAB PEOPLE COMPLETE SERVICE LAB

OUTFALL # 001

PH RESULTS 6.73

DATE 6/1/04

SAMPLING INFORMATION SHEET

OUTFALL # 001

DATE 6/1/04

TIME 8:15

SAMPLE CAUGHT BY Sherman Youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To PH Buffer 4. (7) 10

Buffer Temperature 20 C

Sample Temperture 32 C

Testing Time 8:15 (a.m.) p.m.

Smaple Results 6.73 pH

Meter calibration tested after analysis (Y) or N Results 6.73 pH

Approved Sherman Youngblood

Title Superintendent

OUTFALL # 002

PH RESULTS 6.65

DATE 6/1/04

SAMPLING INFORMATION SHEET

OUTFALL # 002

DATE 6/1/04

TIME 8:20 AM

SAMPLE CAUGHT BY Sherman Youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 20 C

Sample Temperture 31 C

Testing Time 8:25 (a.m.) p.m.

Smaple Results 6.65 pH

Meter calibration tested after analysis (Y) or N Results 6.65 pH

Approved Sherman youngblood

Title Superintendent

OUTFALL # 003

PH RESULTS 6.84

DATE 6/1/04

SAMPLING INFORMATION SHEET

OUTFALL # 003

DATE 6/1/04

TIME 8:40

SAMPLE CAUGHT BY Sherman Youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 20 C

Sample Temperture 32 C

Testing Time 8:40 (a.m.) p.m.

Smaple Results 6.84 pH

Meter calibration tested after analysis (Y) or N Results 6.84 pH

Approved Sherman Youngblood

Title Superintendent

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME [illegible]M Virtual Company

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	07	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/7	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/7	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	08	09
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME P3M Virtual Company

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY LOCATION Mundy Sanitary Landfill
Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

LA0066702	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	07	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	08	09
AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME P3M Virtual Company

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY LOCATION Mundy Sanitary Landfill
Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: LA0066702

DISCHARGE NUMBER: 003

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	07	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	04	08	09

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NA[redacted]ADDRESS (Include Facility Name/Location if Different)

NAME P3M Virtual Company

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY LOCATION Mundy Sanitary Landfill
Mansfield, LA 71052

NATIONAL POLLUTAN[redacted]HARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	07	31

☑ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
03598 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	08	09
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME P3M Virtual Company

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY LOCATION Mundy Sanitary Landfill
Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	07	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/90	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/90	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
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TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	08	09
AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME P3M Virtual Company

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY LOCATION Mundy Sanitary Landfill
Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	006

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	07	01	TO	04	07	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 318 NUMBER 8722500

DATE: YEAR 04 MO 08 DAY 09

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME P3M Virtual Company

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY LOCATION Mundy Sanitary Landfill
Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: LA0066702

DISCHARGE NUMBER: 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	08	01	TO	04	08	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/7	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/7	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE NUMBER 3188722500

DATE: YEAR 04 MO 09 DAY 03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: P[illegible]irtual Company

ADDRESS: P.O. Box 898
Mansfield, LA 71052

FACILITY LOCATION: Mundy Sanitary Landfill
Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	08	01	TO	04	08	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE NUMBER	DATE YEAR	MO	DAY
3188722500	04	09	03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: P[illegible]irtual Company

ADDRESS: P.O. Box 898
Mansfield, LA 71052

FACILITY LOCATION: Mundy Sanitary Landfill
Mansfield, LA 71052

NATIONAL POLLUTANT [illegible]ARGE ELIMINATION SYSTEM (NPDES)
DISCHARG[illegible]ITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	08	01	TO	04	08	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE (AREA CODE / NUMBER)	DATE YEAR	MO	DAY
3188722500	04	09	03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME P[illegible]irtual Company

ADDRESS P.[illegible] Box 898
Mansfield, LA 71052

FACILITY LOCATION Mundy Sanitary Landfill
Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARG[illegible]ITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	08	01	TO	04	08	31

☑ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
03598 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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TELEPHONE (AREA CODE / NUMBER)	DATE YEAR	MO	DAY
3188722500	04	09	03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME P[illegible] Virtual Company

ADDRESS P[illegible] Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHAR[illegible]NITORING REPORT (DMR)

LA0066702	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	08	01	TO	04	08	31

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/90	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/90	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
3188722500		04	09	03
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME P[illegible] Virtual Company

ADDRESS P[illegible] Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	006

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	08	01	TO	04	08	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	04	09	03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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Solid Waste Superintendent

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Pete Chreene

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722500	04	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME [redacted] DRESS (Include Facility Name/Location if Different)
NAME DeSoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISC[redacted]SE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
H	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
SS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
& G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE NUMBER 3188722500

DATE: YEAR 04 MO 11 DAY 30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

'ERMITEE NAME [redacted] RESS (Include Facility Name/Location if Different)
IAME DeSoto Parish Police Jury
.DDRESS P.O. Box 898
Mansfield, LA 71052

ACILITY Mundy Sanitary Landfill
OCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISC[redacted]E ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
·H	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
·0406 1 0 0 :ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
SS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
0530 1 0 0 ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
& G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
0556 1 0 0 ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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Solid Waste Superintendent
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Pete Chreene
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722500	04	11	30

OMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME [redacted] RESS (Include Facility Name/Location if Different)
NAME DeSoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DIS[redacted]E ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
H	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
SS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
& G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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Pete Chreene
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	722500	04	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

LA0066702	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	09	01	TO	04	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722500	04	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

☑ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722500	04	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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Solid Waste Superintendent
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Pete Chreene
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	11	30
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: LA0066702

DISCHARGE NUMBER: 003

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
AREA CODE	NUMBER		YEAR	MO	DAY
318	872-2500		04	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
C & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722500	04	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: LA0066702

DISCHARGE NUMBER: 005

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE NUMBER: 3188722500

DATE: YEAR 04 MO 11 DAY 30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 R3M Software Solutions

PERMITEE NA[redacted]DDRESS (Include Facility Name/Location if Different)

NAME De[redacted]o Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT [redacted]RGE ELIMINATION SYSTEM (NPDES)
DISCHARGE [redacted]ITORING REPORT (DMR)

LA0066702	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	11	01	TO	04	11	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		6.7	******	6.7	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	9.5	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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Pete Chreene

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	04	11	30
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME Desoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	11	01	TO	04	11	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		6.8	******	6.8	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	10.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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TELEPHONE	DATE		
AREA CODE / NUMBER	YEAR	MO	DAY
3188722500	04	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	11	01	TO	04	11	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		6.9	******	6.9	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	12.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
C 6 G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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TELEPHONE (AREA CODE NUMBER)	DATE YEAR	MO	DAY
3188722500	04	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	11	01	TO	04	11	30

☐ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		6.9	******	6.9	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	11.5	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	11.7	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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TELEPHONE (AREA CODE / NUMBER)	DATE YEAR	MO	DAY
3188722500	04	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NA[redacted]ADDRESS (Include Facility Name/Location if Different)
NAME De[redacted]o Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT [redacted]RGE ELIMINATION SYSTEM (NPDES)
DISCHARGE [redacted]ITORING REPORT (DMR)

LA0066702	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	11	01	TO	04	11	30

☑ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00400 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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TELEPHONE	DATE		
3188722500	04	11	30
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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ANA-LAB CORP.
THE COMPLETE SERVICE LAB

Corporate Laboratory P.O.Box 9000, Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: **263443**

Report Date: 11/12/2004

prtproj2

Client: DPML

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Results for Project 263443

712697 001

Liquid Aqueous Taken: 11/03/2004 1456 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

pH 6.68 @ 22 C by client

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Suspended Solids	9.5	mg/L		1	EPA 160.2	11/10/2004 1610	LMK	
Oil and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	11/09/2004 1115	CGG	
Arsenic	ND	mg/L		0.00300	EPA Method 200.8	11/05/2004 1100	HVM	7440-38-2
Barium	0.0460	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-39-3
Cadmium	ND	mg/L		0.000200	EPA Method 200.8	11/05/2004 1100	HVM	7440-43-9
Chromium	ND	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-47-3
Lead	ND	mg/L		0.000500	EPA Method 200.8	11/05/2004 1100	HVM	7439-92-1
Selenium	ND	mg/L		0.00300	EPA Method 200.8	11/05/2004 1100	HVM	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	11/05/2004 1330	HVM	7439-97-6

712698 002

Liquid Aqueous Taken: 11/03/2004 1515 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

pH 6.83 @ 22 C by client

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Suspended Solids	10.0	mg/L		1	EPA 160.2	11/10/2004 1610	LMK	
Oil and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	11/09/2004 1115	CGG	
Arsenic	ND	mg/L		0.00300	EPA Method 200.8	11/05/2004 1100	HVM	7440-38-2
Barium	0.0458	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-39-3
Cadmium	0.000470	mg/L		0.000200	EPA Method 200.8	11/05/2004 1100	HVM	7440-43-9
Chromium	ND	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-47-3
Lead	ND	mg/L		0.000500	EPA Method 200.8	11/05/2004 1100	HVM	7439-92-1
Selenium	ND	mg/L		0.00300	EPA Method 200.8	11/05/2004 1100	HVM	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	11/05/2004 1330	HVM	7439-97-6

712699 003

Liquid Aqueous Taken: 11/03/2004 1530 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

pH 6.85 @ 22 C by client

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Suspended Solids	12.0	mg/L		1	EPA 160.2	11/10/2004 1610	LMK	
Oil and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	11/09/2004 1115	CGG	
Arsenic	ND	mg/L		0.00300	EPA Method 200.8	11/05/2004 1100	HVM	7440-38-2
Barium	0.0461	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-39-3
Cadmium	ND	mg/L		0.000200	EPA Method 200.8	11/05/2004 1100	HVM	7440-43-9
Chromium	0.00101	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-47-3

ANA-LAB CORP.
THE COMPLETE SERVICE LAB

Corporate Laboratory P.O.Box 9000, Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: **263443**

Report Date: 11/12/2004

prtproj2

Client: DPML

Results for Project 263443

712699 003

Liquid Aqueous Taken: 11/03/2004 1530 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

pH 6.85 @ 22 C by client

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Lead	ND	mg/L		0.000500	EPA Method 200.8	11/05/2004 1100	HVM	7439-92-1
Selenium	ND	mg/L		0.00300	EPA Method 200.8	11/05/2004 1100	HVM	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	11/05/2004 1330	HVM	7439-97-6

712700 004

Liquid Aqueous Taken: 11/03/2004 1545 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

pH 6.89 @ 22 C by client

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Suspended Solids	11.5	mg/L		1	EPA 160.2	11/10/2004 1610	LMK	
Oil and Grease (HEM)	11.7	mg/L		5	EPA Method 1664 A	11/09/2004 1115	CGG	
Arsenic	ND	mg/L		0.00300	EPA Method 200.8	11/05/2004 1100	HVM	7440-38-2
Barium	0.0473	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-39-3
Cadmium	ND	mg/L		0.000200	EPA Method 200.8	11/05/2004 1100	HVM	7440-43-9
Chromium	ND	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-47-3
Lead	ND	mg/L		0.000500	EPA Method 200.8	11/05/2004 1100	HVM	7439-92-1
Selenium	ND	mg/L		0.00300	EPA Method 200.8	11/05/2004 1100	HVM	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	11/05/2004 1100	HVM	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	11/05/2004 1330	HVM	7439-97-6

Sample Preparation Steps for Project 263443

712697 001

Liquid Aqueous Taken: 11/03/2004 1456 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		11/04/2004 1912	AAJ
TSS Set Started	FILTERED			11/10/2004 1515	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	11/05/2004 0736	TES
Mercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	11/05/2004 0830	PJD

712698 002

Liquid Aqueous Taken: 11/03/2004 1515 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		11/04/2004 1912	AAJ
TSS Set Started	FILTERED			11/10/2004 1515	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	11/05/2004 0736	TES

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903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: **263443**

prtproj2

Client: DPML

Sample Preparation Steps for Project 263443

712698 002

Liquid Aqueous Taken: 11/03/2004 1515 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

Parameter	Result	Unit	Method	Analyzed	By
Mercury Liquid Metals Digesti	50/25 A/S/S	mL/mL	EPA 245.1	11/05/2004 0830	PJD

712699 003

Liquid Aqueous Taken: 11/03/2004 1530 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		11/04/2004 1912	AAJ
TSS Set Started	FILTERED			11/10/2004 1515	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	11/05/2004 0736	TES
Mercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	11/05/2004 0830	PJD

712700 004

Liquid Aqueous Taken: 11/03/2004 1545 By: S Youngblood
Sampler Affiliation: Desoto Parish GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		11/04/2004 1912	AAJ
TSS Set Started	FILTERED			11/10/2004 1515	LMK
Liquid - Metals Digestion	50/50 A/S/S	mL/mL	EPA 200.2	11/05/2004 0736	TES
Mercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	11/05/2004 0830	PJD

SET Quality Control/Quality Assurance for Project 263443

Silver

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	0.0982	0.100	ppm	98.2	
	Standard	0.288	0.300	ppm	96.0	
	Standard	0.280	0.300	ppm	93.3	
	Standard	0.292	0.300	ppm	97.3	
	Standard	0.102	0.100	ppm	102.0	
	Standard	0.301	0.300	ppm	100.3	
	Standard	0.308	0.300	ppm	102.7	
	Standard	0.281	0.300	ppm	93.7	
	Standard	0.284	0.300	ppm	94.7	
	Standard	0.293	0.300	ppm	97.7	
	Standard	0.296	0.300	ppm	98.7	
	Standard	0.302	0.300	ppm	100.7	
	LCS	0.0852	0.100	ppm	85.2	
	LCS	0.0854	0.100	ppm	85.4	

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Project Report: **263443**

prtproj2

Client: DPML

SET Quality Control/Quality Assurance for Project 263443

Silver

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	LCS	0.0861	0.100	ppm	86.1	
	Blank	<0.00100		ppm		
	Blank	<0.00100		ppm		
712481	Matrix SPK	0.0819	0.100	ppm	81.9	
712481	MS Dup	0.0783	0.100	ppm	78.3	4.49
712506	Matrix SPK	0.0817	0.100	ppm	81.7	
712506	MS Dup	0.0842	0.100	ppm	84.2	3.01
712700	Matrix SPK	0.0771	0.100	ppm	77.1	
712700	MS Dup	0.0787	0.100	ppm	78.7	2.05
712711	Matrix SPK	0.0845	0.100	ppm	84.5	
712711	MS Dup	0.0844	0.100	ppm	84.4	0.118

Arsenic

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	0.0992	0.100	ppm	99.2	
	Standard	0.288	0.300	ppm	96.0	
	Standard	0.293	0.300	ppm	97.7	
	Standard	0.312	0.300	ppm	104.0	
	Standard	0.102	0.100	ppm	102.0	
	Standard	0.300	0.300	ppm	100.0	
	Standard	0.312	0.300	ppm	104.0	
	Standard	0.280	0.300	ppm	93.3	
	Standard	0.286	0.300	ppm	95.3	
	Standard	0.292	0.300	ppm	97.3	
	Standard	0.295	0.300	ppm	98.3	
	Standard	0.297	0.300	ppm	99.0	
	LCS	0.518	0.500	ppm	103.6	
	LCS	0.515	0.500	ppm	103.0	
	LCS	0.492	0.500	ppm	98.4	
	LCS	0.502	0.500	ppm	100.4	
	Blank	<0.00300		ppm		
	Blank	<0.00300		ppm		
712481	Matrix SPK	0.515	0.500	ppm	103	
712481	MS Dup	0.480	0.500	ppm	96.0	7.04
712506	Matrix SPK	0.530	0.500	ppm	106	
712506	MS Dup	0.545	0.500	ppm	109	2.79
712700	Matrix SPK	0.474	0.500	ppm	94.8	
712700	MS Dup	0.488	0.500	ppm	97.6	2.91

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Project Report: **263443**

prtproj2

Client: DPML

SET Quality Control/Quality Assurance for Project 263443

Arsenic

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
712711	Matrix SPK	0.515	0.500	ppm	103	
712711	MS Dup	0.505	0.500	ppm	101	1.98

Barium

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	0.0990	0.100	ppm	99.0	
	Standard	0.293	0.300	ppm	97.7	
	Standard	0.291	0.300	ppm	97.0	
	Standard	0.308	0.300	ppm	102.7	
	Standard	0.0998	0.100	ppm	99.8	
	Standard	0.298	0.300	ppm	99.3	
	Standard	0.311	0.300	ppm	103.7	
	Standard	0.279	0.300	ppm	93.0	
	Standard	0.283	0.300	ppm	94.3	
	Standard	0.287	0.300	ppm	95.7	
	Standard	0.292	0.300	ppm	97.3	
	Standard	0.295	0.300	ppm	98.3	
	LCS	0.454	0.500	ppm	90.8	
	LCS	0.455	0.500	ppm	91.0	
	LCS	0.452	0.500	ppm	90.4	
	LCS	0.458	0.500	ppm	91.6	
	Blank	0.00233		ppm		
	Blank	<0.00100		ppm		
712481	Matrix SPK	0.352	0.500	ppm	70.4	
712481	MS Dup	0.247	0.500	ppm	49.4	35.1
712506	Matrix SPK	0.459	0.500	ppm	91.8	
712506	MS Dup	0.483	0.500	ppm	96.6	5.10
712700	Matrix SPK	0.424	0.500	ppm	84.7	
712700	MS Dup	0.430	0.500	ppm	85.9	1.41
712711	Matrix SPK	0.458	0.500	ppm	91.6	
712711	MS Dup	0.453	0.500	ppm	90.6	1.10

Cadmium

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	0.101	0.100	ppm	101.0	
	Standard	0.285	0.300	ppm	95.0	
	Standard	0.288	0.300	ppm	96.0	

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Project Report: **263443**

prtproj2

Report Date: 11/12/2004

Client: DPML

SET Quality Control/Quality Assurance for Project 263443

Cadmium

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	0.300	0.300	ppm	100.0	
	Standard	0.101	0.100	ppm	101.0	
	Standard	0.297	0.300	ppm	99.0	
	Standard	0.311	0.300	ppm	103.7	
	Standard	0.273	0.300	ppm	91.0	
	Standard	0.278	0.300	ppm	92.7	
	Standard	0.286	0.300	ppm	95.3	
	Standard	0.292	0.300	ppm	97.3	
	Standard	0.296	0.300	ppm	98.7	
	LCS	0.237	0.250	ppm	94.8	
	LCS	0.238	0.250	ppm	95.2	
	LCS	0.229	0.250	ppm	91.6	
	LCS	0.233	0.250	ppm	93.2	
	Blank	<0.000200		ppm		
	Blank	<0.000200		ppm		
712481	Matrix SPK	0.234	0.250	ppm	93.8	
712481	MS Dup	0.220	0.250	ppm	88.2	6.15
712506	Matrix SPK	0.232	0.250	ppm	93.0	
712506	MS Dup	0.242	0.250	ppm	96.6	3.80
712700	Matrix SPK	0.219	0.250	ppm	87.6	
712700	MS Dup	0.221	0.250	ppm	88.4	0.909
712711	Matrix SPK	0.240	0.250	ppm	96.0	
712711	MS Dup	0.238	0.250	ppm	95.2	0.837

Chromium

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	0.0992	0.100	ppm	99.2	
	Standard	0.286	0.300	ppm	95.3	
	Standard	0.285	0.300	ppm	95.0	
	Standard	0.303	0.300	ppm	101.0	
	Standard	0.101	0.100	ppm	101.0	
	Standard	0.295	0.300	ppm	98.3	
	Standard	0.312	0.300	ppm	104.0	
	Standard	0.276	0.300	ppm	92.0	
	Standard	0.277	0.300	ppm	92.3	
	Standard	0.279	0.300	ppm	93.0	
	Standard	0.286	0.300	ppm	95.3	
	Standard	0.287	0.300	ppm	95.7	

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SET Quality Control/Quality Assurance for Project 263443

Chromium

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	LCS	0.470	0.500	ppm	94.0	
	LCS	0.469	0.500	ppm	93.8	
	LCS	0.454	0.500	ppm	90.8	
	LCS	0.474	0.500	ppm	94.8	
	Blank	<0.00100		ppm		
	Blank	<0.00100		ppm		
712481	Matrix SPK	0.482	0.500	ppm	96.5	
712481	MS Dup	0.448	0.500	ppm	89.5	7.53
712506	Matrix SPK	0.466	0.500	ppm	93.3	
712506	MS Dup	0.490	0.500	ppm	97.9	4.81
712700	Matrix SPK	0.428	0.500	ppm	85.6	
712700	MS Dup	0.432	0.500	ppm	86.4	0.930
712711	Matrix SPK	0.471	0.500	ppm	94.2	
712711	MS Dup	0.480	0.500	ppm	96.0	1.89

Mercury

(Analyzed: 11/05/2004 1330 HVM Verified: 11/05/2004 16:15 SAH)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	5.19	5.00	ppb	103.8	
	Standard	4.91	5.00	ppb	98.2	
	Standard	4.93	5.00	ppb	98.6	
	Standard	4.93	5.00	ppb	98.6	
	Standard	4.90	5.00	ppb	98.0	
	LCS	4.97	5.00	ppb	99.4	
	LCS	5.07	5.00	ppb	101.4	
	Blank	<0.150		ppb		
712506	Matrix SPK	5.20	5.00	ppb	104	
712506	MS Dup	5.10	5.00	ppb	102	1.94
712698	Matrix SPK	5.05	5.00	ppb	101	
712698	MS Dup	5.10	5.00	ppb	102	0.985

Lead

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	0.0975	0.100	ppm	97.5	
	Standard	0.290	0.300	ppm	96.7	
	Standard	0.290	0.300	ppm	96.7	
	Standard	0.305	0.300	ppm	101.7	
	Standard	0.0990	0.100	ppm	99.0	

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Project Report: **263443**

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Report Date: 11/12/2004

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Lead

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	0.298	0.300	ppm	99.3	
	Standard	0.312	0.300	ppm	104.0	
	Standard	0.280	0.300	ppm	93.3	
	Standard	0.280	0.300	ppm	93.3	
	Standard	0.288	0.300	ppm	96.0	
	Standard	0.294	0.300	ppm	98.0	
	Standard	0.295	0.300	ppm	98.3	
	LCS	0.464	0.500	ppm	92.8	
	LCS	0.465	0.500	ppm	93.0	
	LCS	0.458	0.500	ppm	91.6	
	LCS	0.462	0.500	ppm	92.4	
	Blank	<0.000500		ppm		
	Blank	<0.000500		ppm		
712481	Matrix SPK	0.426	0.500	ppm	85.3	
712481	MS Dup	0.404	0.500	ppm	80.9	5.29
712506	Matrix SPK	0.479	0.500	ppm	95.8	
712506	MS Dup	0.499	0.500	ppm	99.8	4.09
712700	Matrix SPK	0.447	0.500	ppm	89.4	
712700	MS Dup	0.454	0.500	ppm	90.8	1.55
712711	Matrix SPK	0.477	0.500	ppm	95.4	
712711	MS Dup	0.470	0.500	ppm	94.0	1.48

Selenium

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	0.0997	0.100	ppm	99.7	
	Standard	0.286	0.300	ppm	95.3	
	Standard	0.284	0.300	ppm	94.7	
	Standard	0.311	0.300	ppm	103.7	
	Standard	0.104	0.100	ppm	104.0	
	Standard	0.297	0.300	ppm	99.0	
	Standard	0.311	0.300	ppm	103.7	
	Standard	0.280	0.300	ppm	93.3	
	Standard	0.283	0.300	ppm	94.3	
	Standard	0.293	0.300	ppm	97.7	
	Standard	0.295	0.300	ppm	98.3	
	Standard	0.298	0.300	ppm	99.3	
	LCS	0.493	0.500	ppm	98.6	
	LCS	0.496	0.500	ppm	99.2	

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Project Report: **263443**

prtproj2

Report Date: 11/12/2004

Client: **DPML**

SET Quality Control/Quality Assurance for Project 263443

Selenium

(Analyzed: 11/05/2004 1100 HVM Verified: 11/08/2004 08:45 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	LCS	0.476	0.500	ppm	95.2	
	LCS	0.487	0.500	ppm	97.4	
	Blank	<0.00300		ppm		
	Blank	<0.00300		ppm		
712481	Matrix SPK	0.477	0.500	ppm	95.4	
712481	MS Dup	0.445	0.500	ppm	89.0	6.94
712506	Matrix SPK	0.486	0.500	ppm	97.3	
712506	MS Dup	0.510	0.500	ppm	102	4.72
712700	Matrix SPK	0.453	0.500	ppm	90.6	
712700	MS Dup	0.464	0.500	ppm	92.8	2.40
712711	Matrix SPK	0.495	0.500	ppm	99.0	
712711	MS Dup	0.490	0.500	ppm	98.0	1.02

Oil and Grease (HEM)

(Analyzed: 11/09/2004 1115 CGG Verified: 11/11/2004 09:43 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
SW8631	LCS	44.1	40	mg/L	110.3	
SW8631	LCS	32.8	40	mg/L	82.0	
	Blank	0.00040		grams		
712588	Duplicate	ND	ND	mg/L		0.0
712590	Matrix SPK	0.0336	0.040	grams	84.0	

Suspended Solids

(Analyzed: 11/10/2004 1610 LMK Verified: 11/12/2004 09:04 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	98.0	100	mg/L	98.0	
SW9280	LCS	49.0	50	mg/L	98.0	
	Blank	0.0000		grams		
	Blank	-0.00010		grams		
712596	Duplicate	8.0	7.0	mg/L		13.3
712615	Duplicate	140	133	mg/L		5.1
712616	Duplicate	2450	2550	mg/L		4.0

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Project Report: **263443**

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Report Date: 11/12/2004

Client: DPML

RL is our Reporting Limit, or MAL (Minimum Analytical Level/Minimum Quantitation Level). The MAL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this MAL before we report a value in the "Results" column of our report. Otherwise, we report ND (Not Detected above MAL), because the result is "<" (less than) the number in the MAL column.

Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, EPA National Lead Laboratory Accreditation Program #637.01, Texas Department of Agriculture Soil Import Permit S-37592, Texas Department of Health Drinking Water Laboratory Certificate TX219, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental Quality Laboratory Certificate 8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, Delaware Health and Social Services (ODW) Drinking Water Approved, US Department of Energy Approved, Entidad Mexicana de Acreditacion, A.C. (EMA, in renewal as of 6/18/2004) Agua Ag-014-003/03 and Fuentes Fijas, Residuos y Ambiente Laroral FRA-013-005/03.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp.

Unless otherwise specified, these test results meet the requirements of NELAC.

C. H. Whiteside

C. H. Whiteside, Ph.D., President

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THE COMPLETE SERVICE LAB

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Chain of Custody

Panhandle 806.355.3556 | Oklahoma 405.292.6630 | North-TX 817.261.6404 | Central-TX 512.821.0045
Rio Grand Valley 956.831.6437 | Louisiana 318.219.9300 | Gulf Coast 281.333.9414 | Northeast 410.721.6506

Report to: Mundy Landfill
Project- name/location
Company name: DeSoto Parish Police Jury
Billing Address (if different): Desoto Parish Police Jury
Address: 2712 Hwy 84 East
P.O. Box 898
City: Mansfield State: La Zip: 71052
City: Mansfield State: La Zip: 71052
Phone: 318-872-2500 Fax: 318-872-2541
Phone: 318-872-0738 Fax:
Sampler Signature: Sherman Youngblood
Printed Name: Sherman Youngblood
Affiliation:
PO Number:

Analysis Requested

Lab Number Do Not Use	Field Identification	Date	Time	Matrix	# of Containers	Notes	P.H. Temp		TSS		O&G		RCRA Metals	
[illegible]	001	11/3/04	2:56pm		3		X		X		X		X	
[illegible]	002	11/3/04	3:15pm		3		X		X		X		X	
[illegible]	003	11/3/04	3:30pm		3		X		X		X		X	
[illegible]	004	11/3/04	3:45pm		3		X		X		X		X	

Date	Time	Relinquished by: Printed Name / Signature / Affiliation	Received by: Printed Name / Signature / Affiliation
11/4/04	1300		Brenda Vacuell Brenda Vacuell Analab
11/4/04	1500	Brenda Vacuell Brenda Vacuell Analab	Velocity
11/4/04	1600	Velocity	Christi Parker Christi Parker Analab

☐ Wastewater ☐ Drinking Water ☐ SW846

Samples Received on Ice? ☑ Yes ☐ No
Cooler/Sample Secure? ☑ Yes ☐ No
Requested TAT ☐ Routine ☐ 3 day ☐ 2 Day ☐ 24 Hr ☐ 2-8 Hour
Method of Shipment ☐ Bus ☐ FedEX ☐ Lone Star ☐ UPS ☐ Hand delivered ☐ Airborne ☑ Other
Tracking or Shipping Number

ACCREDITED

(1-2)

712697

OUTFALL # 001

pH RESULTS 6.68

DATE 11-3-04

SAMPLING INFORMATION SHEET

OUTFALL # 001

DATE 11-3-04

TIME 2.56 pm

SAMPLE CAUGHT BY Sherman youngBlood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 24 C

Sample Temperture 22 C

Testing Time 2.56 a.m. (p.m)

Smaple Results 6.68 pH

Meter calibration tested after analysis (Y) or N Results 6.68 pH

Approved Sherman youngblood

Title Superintendent

7/2698

OUTFALL # 002

pH RESULTS 6.83

DATE 11-3-04

SAMPLING INFORMATION SHEET

OUTFALL # 002

DATE 11-03-04

TIME 3:15 p.m

SAMPLE CAUGHT BY Sherman Youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 24 C

Sample Temperture 22 C

Testing Time 3.15 a.m. (p.m.)

Smaple Results 6.83 pH

Meter calibration tested after analysis (Y) or N Results 6.83 pH

Approved Sherman youngblood

Title Superintendent

OUTFALL # 003

PH RESULTS 6.85

DATE 11-3-04

712699

SAMPLING INFORMATION SHEET

OUTFALL # 003

DATE 11-3-04

TIME 3.30 pm

SAMPLE CAUGHT BY Sherman youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Shermanyoungblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 24 C

Sample Temperture 22 C

Testing Time 3:30 a.m. (p.m.)

Smaple Results 6.85 pH

Meter calibration tested after analysis (Y) or N Results 6.85 pH

Approved Sherman youngblood

Title Superintendent

OUTFALL # 004

pH RESULTS 6.89

DATE 11-3-04

712709

SAMPLING INFORMATION SHEET

OUTFALL # 004

DATE 11-3-04

TIME 3.45 pm

SAMPLE CAUGHT BY Sherman youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 24 C

Sample Temperture 25 C

Testing Time 3.45 a.m (p.m)

Smaple Results 6.89 pH

Meter calibration tested after analysis (Y) or N Results 6.89 pH

Approved Sherman youngblood

Title Superintendent

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME [redacted]bto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHA[redacted]ONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	12	01	TO	04	12	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	05	01	10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME [redacted]oto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT [redacted]SCHARGE ELIMINATION SYSTEM (NPDES)

DISCH[redacted] MONITORING REPORT (DMR)

LA00[redacted]	002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	12	01	TO	04	12	31

☑ Check here if No Discharge

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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TELEPHONE	DATE		
3188722500	05	01	10
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME [redacted]oto Parish Police Jury
ADDRESS P.O. Box 899
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTA[redacted]CHARGE ELIMINATION SYSTEM (NPDES)
DISCHA[redacted]ONITORING REPORT (DMR)

LA0066703	003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	12	01	TO	04	12	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	05	01	10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Soto Parish Police Jury
ADDRESS P.O. Box [illegible]
Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

LA0066702 — PERMIT NUMBER
004 — DISCHARGE NUMBER

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	12	01	TO	04	12	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE (AREA CODE NUMBER)	DATE YEAR	MO	DAY
3180722500	05	01	10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME [redacted]oto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCH[redacted]MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	12	01	TO	04	12	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chreene
Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	05	01	10
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	01	01	TO	05	01	31

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		7.1	******	7.1	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	29.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722500	05	02	01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: LA0066702

DISCHARGE NUMBER: 002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	01	01	TO	05	01	31

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		7.3	******	7.3	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	12.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE NUMBER 3188722500

DATE: YEAR 05 MO 02 DAY 01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: LA0066702

DISCHARGE NUMBER: 003

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	01	01	TO	05	01	31

☐ Check here if No Discharge

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		7.0	******	7.0	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	13.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 318 NUMBER 8722500

DATE: YEAR 05 MO 02 DAY 01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

1999 P3M Software Solutions

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME De[redacted] Parish Police Jury
ADDRESS P.O[redacted] Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DI[redacted]GE ELIMINATION SYSTEM (NPDES)
DISCHARGE [redacted]ORING REPORT (DMR)

LA0066702	004
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	01	01	TO	05	01	31

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pH	SAMPLE MEASUREMENT	******	******		7.1	******	7.1	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	14.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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AREA CODE / NUMBER	YEAR	MO	DAY
3188722500	05	02	01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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ANA-LAB CORP.
THE COMPLETE SERVICE LAB

Corporate Laboratory P.O.Box 9000, Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: **269637**

Report Date: 01/26/2005
001prtproj2

Client: DPML

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Results for Project 269637

726417 001

Liquid Aqueous Taken: 01/14/2005 0900 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.05 Temp 13 C

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Total Suspended Solids	29	mg/L		1	EPA Method 160.2	01/20/2005 1640	LMK	
Oil and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	01/21/2005 1155	CGG	
Arsenic	0.00246	mg/L		0.00200	EPA Method 200.8	01/16/2005 0900	WOB	7440-38-2
Barium	0.0862	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-39-3
Cadmium	ND	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-43-9
Chromium	0.00240	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-47-3
Lead	0.00208	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7439-92-1
Selenium	0.00831	mg/L		0.00200	EPA Method 200.8	01/16/2005 0900	WOB	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	01/17/2005 1313	WOB	7439-97-6

726418 002

Liquid Aqueous Taken: 01/14/2005 0910 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.25 Temp 13 C

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Total Suspended Solids	12.0	mg/L		1	EPA Method 160.2	01/20/2005 1640	LMK	
Oil and Grease (HEM)	ND	mg/L		4	EPA Method 1664 A	01/21/2005 1155	CGG	
Arsenic	ND	mg/L		0.00200	EPA Method 200.8	01/16/2005 0900	WOB	7440-38-2
Barium	0.0343	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-39-3
Cadmium	ND	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-43-9
Chromium	0.00126	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-47-3
Lead	0.00100	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7439-92-1
Selenium	0.00309	mg/L		0.00200	EPA Method 200.8	01/16/2005 0900	WOB	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	01/17/2005 1313	WOB	7439-97-6

726419 003

Liquid Aqueous Taken: 01/14/2005 0945 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.04 Temp 13

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Total Suspended Solids	13.0	mg/L		1	EPA Method 160.2	01/20/2005 1640	LMK	
Oil and Grease (HEM)	ND	mg/L		4	EPA Method 1664 A	01/21/2005 1155	CGG	
Arsenic	ND	mg/L		0.00200	EPA Method 200.8	01/16/2005 0900	WOB	7440-38-2
Barium	0.0365	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-39-3
Cadmium	ND	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-43-9
Chromium	0.00139	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-47-3
Lead	0.00102	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7439-92-1

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Project Report: **269637**

001prtproj2

Client: DPML

Results for Project 269637

726419 003

Liquid Aqueous Taken: 01/14/2005 0945 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.04 Temp 13

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Selenium	0.00298	mg/L		0.00200	EPA Method 200.8	01/16/2005 0900	WOB	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	01/17/2005 1313	WOB	7439-97-6

726420 004

Liquid Aqueous Taken: 01/14/2005 0952 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.06 Temp 13 C

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Total Suspended Solids	14.0	mg/L		1	EPA Method 160.2	01/20/2005 1640	LMK	
Oil and Grease (HEM)	ND *	mg/L		4	EPA Method 1664 A	01/21/2005 1155	CGG	
Arsenic	ND	mg/L		0.00200	EPA Method 200.8	01/16/2005 0900	WOB	7440-38-2
Barium	0.0355	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-39-3
Cadmium	ND	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-43-9
Chromium	0.00115	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-47-3
Lead	ND	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7439-92-1
Selenium	ND	mg/L		0.00200	EPA Method 200.8	01/16/2005 0900	WOB	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	01/16/2005 0900	WOB	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	01/17/2005 1313	WOB	7439-97-6

* pH Adjusted to <2 before Analysis

Sample Preparation Steps for Project 269637

726417 001

Liquid Aqueous Taken: 01/14/2005 0900 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		01/14/2005 1704	ARS
TSS Set Started	FILTERED			01/20/2005 1614	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	01/15/2005 1226	MDD
Mercury Liquid Metals Digesti	50/25 A/S/S	mL/mL	EPA 245.1	01/17/2005 0900	PJD

726418 002

Liquid Aqueous Taken: 01/14/2005 0910 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		01/14/2005 1704	ARS
TSS Set Started	FILTERED			01/20/2005 1614	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	01/15/2005 1226	MDD
Mercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	01/17/2005 0900	PJD

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Project Report: **269637**

Report Date: 01/26/2005

001prtproj2

Client: DPML

726419 003

Liquid Aqueous Taken: 01/14/2005 0945 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		01/14/2005 1704	ARS
TSS Set Started	FILTERED			01/20/2005 1614	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	01/15/2005 1226	MDD
Mercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	01/17/2005 0900	PJD

726420 004

Liquid Aqueous Taken: 01/14/2005 0952 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		01/14/2005 1705	ARS
TSS Set Started	FILTERED			01/20/2005 1614	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	01/15/2005 1226	MDD
Mercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	01/17/2005 0900	PJD

SET Quality Control/Quality Assurance for Project 269637

Mercury

(Analyzed: 01/17/2005 1313 WOB Verified: 01/17/2005 15:06 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	5.00	5.00	ppb	100.0	
	Standard	5.03	5.00	ppb	100.6	
	Standard	5.03	5.00	ppb	100.6	
	Standard	4.94	5.00	ppb	98.8	
	Standard	4.97	5.00	ppb	99.4	
	LCS	4.90	5.00	ppb	98.0	
	LCS	4.94	5.00	ppb	98.8	
	Blank	<0.150		ppb		
726417	Matrix SPK	4.90	5.00	ppb	98.0	
726417	MS Dup	4.98	5.00	ppb	99.6	1.62
726537	Matrix SPK	4.96	5.00	ppb	99.3	
726537	MS Dup	4.80	5.00	ppb	96.1	3.28

Oil and Grease (HEM)

(Analyzed: 01/21/2005 1155 CGG Verified: 01/24/2005 16:29 SAH)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
SW8631	LCS	41.5	40	mg/L	103.8	
SW8631	LCS	40.6	40	mg/L	101.5	
	Blank	0.00050		grams		
	Blank	0.0000		grams		
	Blank	0.00040		grams		
726560	Duplicate	ND	ND	mg/L		0.0

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Project Report: **269637**

001prtproj2

Report Date: 01/26/2005

Client: DPML

SET Quality Control/Quality Assurance for Project 269637

Oil and Grease (HEM)

(Analyzed: 01/21/2005 1155 CGG Verified: 01/24/2005 16:29 SAH)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
727040	Matrix SPK	0.0400	0.040	grams	100	

Total Suspended Solids

(Analyzed: 01/20/2005 1640 LMK Verified: 01/21/2005 14:49 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	102	100	mg/L	102.0	
SW9599	LCS	49.0	50	mg/L	98.0	
	Blank	0.0000		grams		
	Blank	0.0000		grams		
726346	Duplicate	10.5	10.0	mg/L		4.9
726376	Duplicate	5.0	5.0	mg/L		0.0
726417	Duplicate	29.1	29.1	mg/L		0.0

RL is our Reporting Limit, or MAL (Minimum Analytical Level/Minimum Quantitation Level). The MAL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this MAL before we report a value in the "Results" column of our report. Otherwise, we report ND (Not Detected above MAL), because the result is "<" (less than) the number in the MAL column.

Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, EPA National Lead Laboratory Accreditation Program #637.01, Texas Department of Agriculture Soil Import Permit S-37592, Texas Department of Health Drinking Water Laboratory Certificate TX219, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental Quality Laboratory Certificate 8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, Delaware Health and Social Services (ODW) Drinking Water Approved, US Department of Energy Approved, Entidad Mexicana de Acreditacion, A.C. (EMA, in renewal as of 6/18/2004) Agua Ag-014-003/03 and Fuentes Fijas, Residuos y Ambiente Laroral FRA-013-005/03.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp.

Unless otherwise specified, these test results meet the requirements of NELAC.

Bill Peery

Bill Peery Jr., MS, Vice President

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Corporate Laboratory

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Project 269637 Samples

003projsamples

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention:

Sample	Identification	Taken		By	Received
726417	*001*	01/14/2005	0900	S Youngblood	01/14/2005

Matrix: *Liquid Aqueous* pH 7.05 Temp 13 C

Bottle # 01 *Plastic 1/2 gal (White)
Bottle # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
Bottle # 03 *HNO3 to pH <2 plastic 500 mL for Metals
Bottle # 04 Prepared Bottle: ICP Preparation for Metals (Batch 131508) Volume: 50.0 mL ==> Derived from 03(50.0 mL)
Bottle # 05 Prepared Bottle: Mercury Preparation for Metals (Batch 131567) Volume: 50.0 mL ==> Derived from 03(25.0 mL

Bottle # 06 Prepared Bottle: Mercury Preparation for Metals (Batch 131567) Volume: 50.0 mL ==> Derived from 03(25.0 mL

Bottle # 07 Prepared Bottle: Mercury Preparation for Metals (Batch 131567) Volume: 50.0 mL ==> Derived from 03(25.0 mL

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA Method 160.2	01	132023	01/20/2005	132023	01/20/2005
EPA Method 1664 A	02	132100	01/21/2005	132100	01/21/2005
EPA Method 200.8	04	131508	01/15/2005	131541	01/16/2005
EPA Method 245.1	05	131567	01/17/2005	131617	01/17/2005

726418	*002*	01/14/2005	0910	S Youngblood	01/14/2005

Matrix: *Liquid Aqueous* pH 7.25 Temp 13 C

Bottle # 01 *Plastic 1/2 gal (White)
Bottle # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
Bottle # 03 *HNO3 to pH <2 plastic 500 mL for Metals
Bottle # 04 Prepared Bottle: ICP Preparation for Metals (Batch 131508) Volume: 50.0 mL ==> Derived from 03(50.0 mL)
Bottle # 05 Prepared Bottle: Mercury Preparation for Metals (Batch 131567) Volume: 50.0 mL ==> Derived from 03(25.0 mL

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA Method 160.2	01	132023	01/20/2005	132023	01/20/2005
EPA Method 1664 A	02	132100	01/21/2005	132100	01/21/2005
EPA Method 200.8	04	131508	01/15/2005	131541	01/16/2005
EPA Method 245.1	05	131567	01/17/2005	131617	01/17/2005

726419	*003*	01/14/2005	0945	S Youngblood	01/14/2005

Matrix: *Liquid Aqueous* pH 7.04 Temp 13

Bottle # 01 *Plastic 1/2 gal (White)
Bottle # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
Bottle # 03 *HNO3 to pH <2 plastic 500 mL for Metals
Bottle # 04 Prepared Bottle: ICP Preparation for Metals (Batch 131508) Volume: 50.0 mL ==> Derived from 03(50.0 mL)
Bottle # 05 Prepared Bottle: Mercury Preparation for Metals (Batch 131567) Volume: 50.0 mL ==> Derived from 03(25.0 mL

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA Method 160.2	01	132023	01/20/2005	132023	01/20/2005
EPA Method 1664 A	02	132100	01/21/2005	132100	01/21/2005

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01/26/2005

Project 269637 Samples

003projsamples

Sample	Identification	Taken		By		Received
	EPA Method 200.8	04	131508	01/15/2005	131541	01/16/2005
	EPA Method 245.1	05	131567	01/17/2005	131617	01/17/2005
726420	004	01/14/2005	0952	S Youngblood		01/14/2005

Matrix: Liquid Aqueous pH 7.06 Temp 13 C

Bottle # 01 *Plastic 1/2 gal (White)
Bottle # 02 *HNO3 to pH <2 plastic 500 mL for Metals
Bottle # 03 Prepared Bottle: ICP Preparation for Metals (Batch 131508) Volume: 50.0 mL ==> Derived from 02(50.0 mL)
Bottle # 04 Prepared Bottle: Mercury Preparation for Metals (Batch 131567) Volume: 50.0 mL ==> Derived from 02(25.0 ml

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA Method 160.2	01	132023	01/20/2005	132023	01/20/2005
EPA Method 1664 A	01	132100	01/21/2005	132100	01/21/2005
EPA Method 200.8	03	131508	01/15/2005	131541	01/16/2005
EPA Method 245.1	04	131567	01/17/2005	131617	01/17/2005

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Project QA/QC
269637

004projqc2

01/26/2005
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention:

Metals

QCGROUP 131541 EPA Method 200.8

Blank

Parameter	Sample	Reading	MDL	MQL	Units	File
Arsenic	131508	ND	1.34	2.00	ug/L	1916017
Barium	131508	ND	0.561	1.00	ug/L	1916017
Cadmium	131508	ND	0.394	1.00	ug/L	1916017
Chromium	131508	ND	0.487	1.00	ug/L	1916017
Lead	131508	0.430	0.341	1.00	ug/L	1916017
Selenium	131508	ND	1.65	2.00	ug/L	1916017
Silver	131508	ND	0.306	1.00	ug/L	1916017

LCS

Parameter	Sample	Reading	Known	Units	Recover%	Limits (%)	File
[illegible]	131508	534	500	ug/L	107	85.0 - 115	1916018
[illegible]um	131508	491	500	ug/L	98.2	85.0 - 115	1916018
Cadmium	131508	253	250	ug/L	101	85.0 - 115	1916018
Chromium	131508	506	500	ug/L	101	85.0 - 115	1916018
Lead	131508	491	500	ug/L	98.2	85.0 - 115	1916018
Selenium	131508	517	500	ug/L	103	85.0 - 115	1916018
Silver	131508	99.7	100	ug/L	99.7	85.0 - 115	1916018

CCV

Parameter	Reading	Known	Units	Recover%	Limits (%)	File
Arsenic	316	300	ug/L	105	90.0 - 110	1916004
Arsenic	295	300	ug/L	98.3	90.0 - 110	1915996
Arsenic	298	300	ug/L	99.3	90.0 - 110	1916032
Arsenic	298	300	ug/L	99.3	90.0 - 110	1916015
Arsenic	321	300	ug/L	107	90.0 - 110	1916024
Arsenic	306	300	ug/L	102	90.0 - 110	1916031
Arsenic	301	300	ug/L	100	90.0 - 110	1916033
Barium	304	300	ug/L	101	90.0 - 110	1916032
Barium	295	300	ug/L	98.3	90.0 - 110	1915996
Barium	304	300	ug/L	101	90.0 - 110	1916033
Barium	314	300	ug/L	105	90.0 - 110	1916024
Barium	311	300	ug/L	104	90.0 - 110	1916031
Barium	323	300	ug/L	108	90.0 - 110	1916004
Cadmium	295	300	ug/L	98.3	90.0 - 110	1916015
Cadmium	292	300	ug/L	97.3	90.0 - 110	1916015
Cadmium	293	300	ug/L	97.7	90.0 - 110	1915996
Cadmium	311	300	ug/L	104	90.0 - 110	1916004
Cadmium	317	300	ug/L	106	90.0 - 110	1916024
Cadmium	293	300	ug/L	97.7	90.0 - 110	1916032

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Project QA/QC
269637

004projqc2

Metals

QCGROUP 131541 EPA Method 200.8

CCV

Parameter	Reading	Known	Units	Recover%	Limits (%)	File
Cadmium	292	300	ug/L	97.3	90.0 - 110	1916033
Cadmium	304	300	ug/L	101	90.0 - 110	1916031
Chromium	297	300	ug/L	99.0	90.0 - 110	1916033
Chromium	312	300	ug/L	104	90.0 - 110	1916015
Chromium	310	300	ug/L	103	90.0 - 110	1916031
Chromium	317	300	ug/L	106	90.0 - 110	1916004
Chromium	311	300	ug/L	104	90.0 - 110	1916024
Chromium	301	300	ug/L	100	90.0 - 110	1915996
Chromium	315	300	ug/L	105	90.0 - 110	1916032
Lead	289	300	ug/L	96.3	90.0 - 110	1916033
Lead	318	300	ug/L	106	90.0 - 110	1916024
Lead	303	300	ug/L	101	90.0 - 110	1916032
Lead	294	300	ug/L	98.0	90.0 - 110	1916015
Lead	313	300	ug/L	104	90.0 - 110	1916004
[illegible]	303	300	ug/L	101	90.0 - 110	1916031
[illegible]	294	300	ug/L	98.0	90.0 - 110	1915996
Selenium	307	300	ug/L	102	90.0 - 110	1916031
Selenium	309	300	ug/L	103	90.0 - 110	1916032
Selenium	309	300	ug/L	103	90.0 - 110	1916033
Selenium	325	300	ug/L	108	90.0 - 110	1916024
Selenium	305	300	ug/L	102	90.0 - 110	1916015
Selenium	311	300	ug/L	104	90.0 - 110	1916004
Selenium	301	300	ug/L	100	90.0 - 110	1915996
Silver	316	300	ug/L	105	90.0 - 110	1916024
Silver	312	300	ug/L	104	90.0 - 110	1916032
Silver	314	300	ug/L	105	90.0 - 110	1916015
Silver	318	300	ug/L	106	90.0 - 110	1916004
Silver	300	300	ug/L	100	90.0 - 110	1915996
Silver	303	300	ug/L	101	90.0 - 110	1916033
Silver	311	300	ug/L	104	90.0 - 110	1916031

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit
Arsenic	726356	562	554	1.90	500	70.0 - 130	112	110	ug/L	1.43	30.0
Barium	726356	545	512	10.6	500	70.0 - 130	107	100	ug/L	6.24	30.0
Cadmium	726356	265	258	ND	250	70.0 - 130	106	103	ug/L	2.68	30.0
Chromium	726356	514	518	1.01	500	70.0 - 130	103	103	ug/L	0.775	30.0
Lead	726356	504	516	0.950	500	70.0 - 130	101	103	ug/L	2.35	30.0
Selenium	726356	533	535	6.35	500	70.0 - 130	105	106	ug/L	0.375	30.0
Silver	726356	101	100	ND	100	70.0 - 130	101	100	ug/L	0.995	30.0
[illegible]	726357	546	547	2.89	500	70.0 - 130	109	109	ug/L	0.183	30.0
Barium	726357	535	508	8.24	500	70.0 - 130	105	100	ug/L	5.18	30.0
Cadmium	726357	259	257	ND	250	70.0 - 130	104	103	ug/L	0.775	30.0

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01/26/2005

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Metals

QCGROUP 131541 EPA Method 200.8

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit
Chromium	726357	530	522	1.37	500	70.0 - 130	106	104	ug/L	1.52	30.0
Lead	726357	506	518	1.43	500	70.0 - 130	101	103	ug/L	2.34	30.0
Selenium	726357	511	528	6.18	500	70.0 - 130	101	104	ug/L	3.27	30.0
Silver	726357	103	102	ND	100	70.0 - 130	103	102	ug/L	0.976	30.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits (%)	File
Arsenic	105	100	ug/L	105	90.0 - 110	1915995
Barium	99.7	100	ug/L	99.7	90.0 - 110	1915995
Cadmium	104	100	ug/L	104	90.0 - 110	1915995
Chromium	102	100	ug/L	102	90.0 - 110	1915995
Lead	98.3	100	ug/L	98.3	90.0 - 110	1915995
Selenium	108	100	ug/L	108	90.0 - 110	1915995
Silver	106	100	ug/L	106	90.0 - 110	1915995

LCS Dup

Parameter	Sample	LCS	LCSD	Blk		Limits	LCS%	LCSD%	Units	RPD	Limit
Arsenic	131508	534	535	ND	500	85.0 - 115	107	107	ug/L	0.187	14.0
Barium	131508	491	510	ND	500	85.0 - 115	98.2	102	ug/L	3.80	14.0
Cadmium	131508	253	255	ND	250	85.0 - 115	101	102	ug/L	0.787	14.0
Chromium	131508	506	526	ND	500	85.0 - 115	101	105	ug/L	3.88	14.0
Lead	131508	491	496	0.430	500	85.0 - 115	98.2	99.2	ug/L	1.01	14.0
Selenium	131508	517	517	ND	500	85.0 - 115	103	103	ug/L	0	14.0
Silver	131508	99.7	103	ND	100	85.0 - 115	99.7	103	ug/L	3.26	14.0

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Corporate Laboratory

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903/984-0551 FAX 903/984-5914

Project 269637

005prttoc

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention:

This report consists of the following sections:

Section	Page Count	Total Count
001prtproj2	4	4
002rptcoc2	5	9
003projsamples	2	11
004projqc2	3	14
005prttoc	1	15
Total Pages	15	

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Corporate Laboratory

002rptcoc2

COC

ANA-LAB CORP. THE COMPLETE SERVICE LAB

2600 Dudley Rd
PO Box 9000
Kilgore, TX 75662
903.984.0551
(fx) 903.984.5914
e-mail: corp@ana-lab.com

CHAIN OF CUSTODY

DPML

Panhandle	Oklahoma	North-TX	Central-TX
806.355.3556	405.292.6630	817.261.6404	512.821.0045
Rio Grand Valley	**Louisiana**	**Gulf Coast**	**Northeast**
956.831.6437	318.219.9300	281.333.9414	410.721.6506

Report to:

Project- name/location

Company name: Mundy Landfill

Billing Address (if different): Rio Soto

Address: 8 2712 Hy 84E

City: Manfield State: La Zip: 71052

City State Zip

Phone: 318-872-2500 Fax: 318-872-2541

Phone Fax

Sampler Signature | Printed Name | Affiliation | PO Number

Analysis Requested

Lab Number Do Not Use	Field Identification	Date	Time	Matrix	# of Containers	Notes	P.H.	Temp	TSS		OKG		RCRA Metals
	001	1/14/05	9:00		3		X		X		X		X
	002	1/14/05	9:10		3		X		X		X		X
	003	1/14/05	9:45		3		X		X		X		X
	004	1/14/05	9:52		2		X		X		X		X

Date	Time	Relinquished by: Printed Name	Signature	Affiliation	Received by: Printed Name	Signature	Affiliation
1/14/05	1:02	Sherman youngblood	Sherman youngblood		Brandon Trey		
1/14/05	1:00	Brandon Trey		Ana-Lab	Velocity		
1/14/05	1600	Velocity			Christi Parker		Analab

☐ Wastewater ☐ Drinking Water ☐ SW846

Samples Received on Ice? ☑ Yes ☐ No
Cooler/Sample Secure? ☐ Yes ☐ No
Requested TAT ☐ Routine ☐ 3 day ☐ 2 Day ☐ 24 Hr ☐ 2-8 Hour

Method of Shipment ☐ Bus ☐ FedEX ☐ Lone Star ☐ UPS ☐ Hand delivered ☐ Airborne ☑ Other
Tracking or Shipping Number

1°C

ACCREDITED

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Corporate Laboratory
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903/984-0551 FAX 903/984-59

002rptcoc2

COC

726417

OUTFALL # 001
PH RESULTS 7.05
DATE 1-14-05

SAMPLING INFORMATION SHEET

OUTFALL # 001
DATE 1-14-05
TIME 9:00

SAMPLE CAUGHT BY Sherman Youngblood
TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Superintendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 19 C
Sample Temperture 13 C
Testing Time 9:00 (a.m.) p.m.
Smaple Results 7.05 pH
Meter calibration tested after analysis (Y) or N Results 7.05 pH
Approved Sherman Youngblood
Title Superintendent

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Corporate Laboratory
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002rptcoc2

COC

726418

OUTFALL # 002
PH RESULTS 7.25
DATE 1-14-05

SAMPLING INFORMATION SHEET

OUTFALL # 002
DATE 1-14-05
TIME 9:10

SAMPLE CAUGHT BY Sherman youngblood
TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Superintendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To PH Buffer 4 (7) 10
Buffer Temperature 19 C
Sample Temperture 13 C
Testing Time 9:10 (a.m) p.m.
Smaple Results 7.25 pH
Meter calibration tested after analysis (Y) or N Results 7.25 pH
Approved Sherman youngblood
Title Superintendent

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002rptcoc2

COC

726419

OUTFALL # 003

pH RESULTS 7.04

DATE 1-14-05

SAMPLING INFORMATION SHEET

OUTFALL # 003

DATE 1-14-05

TIME 9:45

SAMPLE CAUGHT BY Sherman Youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 19 C

Sample Temperture 13 C

Testing Time 9:45 (a.m.) p.m.

Smaple Results 7.04 pH

Meter calibration tested after analysis (Y) or N Results 7.09 pH

Approved Sherman Youngblood

Title Superintendent

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THE COMPLETE SERVICE LAB
Corporate Laboratory
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903/984-0551 FAX 903/984-59

002rptcoc2

COC

726420.

OUTFALL # 004
PH RESULTS 7.06
DATE 1-14-05

SAMPLING INFORMATION SHEET

OUTFALL # 004
DATE 1-14-05
TIME 9:52

SAMPLE CAUGHT BY Sherman youngblood
TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Superintendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 19 C
Sample Temperture 13 C
Testing Time 9:52 a.m. (a.m.) p.m.
Smaple Results 7.06 pH
Meter calibration tested after analysis (Y) or N Results 7.06 pH
Approved Sherman youngblood
Title Superintendent

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: LA0066702

DISCHARGE NUMBER: 001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	02	01	TO	05	02	28

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	7.2	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	20.5	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Pete Chreene

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 3188722500 (AREA CODE / NUMBER)

DATE: 05 (YEAR) 03 (MO) 08 (DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	02	01	TO	05	02	28

☐ Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	7.0	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	17.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	05	03	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME De Soto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

LA0066702	003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	02	01	TO	05	02	28

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	7.3	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	19.5	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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Pete Chreene
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	05	03	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	02	01	TO	05	02	28

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	7.3	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	30.4	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
	3188722500	05	03	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME De Soto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	02	01	TO	05	02	28

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
318	6722500	05	03	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Corporate Laboratory P.O.Box 9000, Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: **271976**

Report Date: 02/18/2005

prtproj2

Client: DPML

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Sherman Youngblood

Results for Project 271976

732202 Outfall 1

Liquid Aqueous Taken: 02/09/2005 0925 By: Client Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Client provided pH 7.16 2/9/05 @ 0925

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Total Suspended Solids	20.5	mg/L		1	EPA Method 160.2	02/16/2005 1525	LMK	
Oil and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	02/16/2005 1445	CGG	
Arsenic	ND	mg/L		0.00200	EPA Method 200.8	02/11/2005 0800	WOB	7440-38-2
Barium	0.0390	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-39-3
Cadmium	ND	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-43-9
Chromium	0.00214	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-47-3
Lead	0.00100	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7439-92-1
Selenium	0.00498	mg/L		0.00200	EPA Method 200.8	02/11/2005 0800	WOB	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	02/11/2005 1341	ALH	7439-97-6

732203 Outfall 2

Liquid Aqueous Taken: 02/09/2005 0940 By: Client Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Client provided pH 7.03 2/09/05 @ 0940

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Total Suspended Solids	17.0	mg/L		1	EPA Method 160.2	02/16/2005 1525	LMK	
Oil and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	02/16/2005 1445	CGG	
Arsenic	ND	mg/L		0.00200	EPA Method 200.8	02/11/2005 0800	WOB	7440-38-2
Barium	0.0386	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-39-3
Cadmium	ND	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-43-9
Chromium	0.00213	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-47-3
Lead	ND	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7439-92-1
Selenium	0.00352	mg/L		0.00200	EPA Method 200.8	02/11/2005 0800	WOB	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	02/11/2005 1341	ALH	7439-97-6

732204 Outfall 3

Liquid Aqueous Taken: 02/09/2005 0951 By: Client Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Client provided pH 7.26 02/09/05 @ 0951

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Total Suspended Solids	19.5	mg/L		1	EPA Method 160.2	02/16/2005 1525	LMK	
Oil and Grease (HEM)	ND	mg/L		4	EPA Method 1664 A	02/16/2005 1445	CGG	
Arsenic	ND	mg/L		0.00200	EPA Method 200.8	02/11/2005 0800	WOB	7440-38-2
Barium	0.0372	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-39-3
Cadmium	ND	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-43-9

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Project Report: **271976**

Report Date: 02/18/2005

prtproj2

Client: DPML

Results for Project 271976

732204 Outfall 3

Liquid Aqueous Taken: 02/09/2005 0951 By: Client Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Client provided pH 7.26 02/09/05 @ 0951

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Chromium	0.00201	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-47-3
Lead	0.00103	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7439-92-1
Selenium	0.00285	mg/L		0.00200	EPA Method 200.8	02/11/2005 0800	WOB	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	02/11/2005 1341	ALH	7439-97-6

732205 Outfall 4

Liquid Aqueous Taken: 02/09/2005 1000 By: Client Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Client provided pH 7.29 02/09/05 @ 1000

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
Total Suspended Solids	30.4	mg/L		2	EPA Method 160.2	02/16/2005 1525	LMK	
Oil and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	02/16/2005 1445	CGG	
Arsenic	ND	mg/L		0.00200	EPA Method 200.8	02/11/2005 0800	WOB	7440-38-2
Barium	0.0401	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-39-3
Cadmium	ND	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-43-9
Chromium	0.00236	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-47-3
Lead	0.00177	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7439-92-1
Selenium	0.00275	mg/L		0.00200	EPA Method 200.8	02/11/2005 0800	WOB	7782-49-2
Silver	ND	mg/L		0.00100	EPA Method 200.8	02/11/2005 0800	WOB	7440-22-4
Mercury	ND	mg/L		0.000150	EPA Method 245.1	02/11/2005 1341	ALH	7439-97-6

Sample Preparation Steps for Project 271976

732202 Outfall 1

Liquid Aqueous Taken: 02/09/2005 0925 By: Client Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		02/10/2005 1408	ARS
TSS Set Started	FILTERED			02/16/2005 0944	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	02/11/2005 0715	TES
Mercury Liquid Metals Digesti	50/25 A/S/S	mL/mL	EPA 245.1	02/11/2005 0830	PJD

732203 Outfall 2

Liquid Aqueous Taken: 02/09/2005 0940 By: Client Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		02/10/2005 1409	ARS
TSS Set Started	FILTERED			02/16/2005 0944	LMK

Sample Preparation Steps for Project 271976

732203 Outfall 2 — Liquid Aqueous Taken: 02/09/2005 0940 By: Client — Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	02/11/2005 0715	TES
Mercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	02/11/2005 0830	PJD

732204 Outfall 3 — Liquid Aqueous Taken: 02/09/2005 0951 By: Client — Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		02/10/2005 1409	ARS
TSS Set Started	FILTERED			02/16/2005 0944	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	02/11/2005 0715	TES
Mercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	02/11/2005 0830	PJD

732205 Outfall 4 — Liquid Aqueous Taken: 02/09/2005 1000 By: Client — Rec:02/10/2005
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
Bottle pH	<2	SU		02/10/2005 1409	ARS
TSS Set Started	FILTERED			02/16/2005 0944	LMK
Liquid - Metals Digestion	50/50	mL/mL	EPA 200.2	02/11/2005 0715	TES
Mercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	02/11/2005 0830	PJD

SET Quality Control/Quality Assurance for Project 271976

Mercury (Analyzed: 02/11/2005 1341 ALH Verified: 02/14/2005 11:53 MDM)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	5.02	5.00	ppb	100.4	
	Standard	4.89	5.00	ppb	97.8	
	Standard	4.65	5.00	ppb	93.0	
	Standard	4.70	5.00	ppb	94.0	
	Standard	4.65	5.00	ppb	93.0	
	LCS	4.86	5.00	ppb	97.2	
	LCS	4.82	5.00	ppb	96.4	
	Blank	<0.150		ppb		
732048	Matrix SPK	4.12	5.00	ppb	82.5	
732048	MS Dup	4.12	5.00	ppb	82.5	0
732202	Matrix SPK	4.91	5.00	ppb	98.2	
732202	MS Dup	4.77	5.00	ppb	95.4	2.89

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Project Report: **271976**

Report Date: 02/18/2005

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Client: DPML

SET Quality Control/Quality Assurance for Project 271976

Oil and Grease (HEM)

(Analyzed: 02/16/2005 1445 CGG Verified: 02/17/2005 10:52 SAH)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
SW9612	LCS	40.6	40	mg/L	101.5	
SW9612	LCS	41.2	40	mg/L	103.0	
	Blank	0.00020		grams		
732077	Duplicate	ND	ND	mg/L		0.0
732353	Matrix SPK	0.0400	0.040	mg/L	100	

Total Suspended Solids

(Analyzed: 02/16/2005 1525 LMK Verified: 02/17/2005 17:18 SAH)
Sampler Affiliation: GRAB

Sample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	102	100	mg/L	102.0	
SW9727	LCS	49.0	50	mg/L	98.0	
	Blank	0.00010		grams		
	Blank	0.00010		grams		
732013	Duplicate	140	147	mg/L		4.9
732023	Duplicate	10100	10200	mg/L		1.0
732190	Duplicate	140	147	mg/L		4.9

RL is our Reporting Limit, or MAL (Minimum Analytical Level/Minimum Quantitation Level). The MAL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this MAL before we report a value in the "Results" column of our report. Otherwise, we report ND (Not Detected above MAL), because the result is "<" (less than) the number in the MAL column.

Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, EPA National Lead Laboratory Accreditation Program #637.01, Texas Department of Agriculture Soil Import Permit S-37592, Texas Department of Health Drinking Water Laboratory Certificate TX219, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental Quality Laboratory Certificate 8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, Delaware Health and Social Services (ODW) Drinking Water Approved, US Department of Energy Approved, Entidad Mexicana de Acreditacion, A.C. (EMA, in renewal as of 6/18/2004) Agua Ag-014-003/03 and Fuentes Fijas, Residuos y Ambiente Laroral FRA-013-005/03.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp.

Unless otherwise specified, these test results meet the requirements of NELAC.

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Report Date: 02/18/2005

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Client: DPML

Roy White

Roy White, MS, Quality Manager

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Project QA/QC
271976

projqc2

02/18/2005
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Sherman Youngblood

Metals

QCGROUP 134231 EPA Method 200.8

Blank

Parameter	Sample	Reading	MDL	MQL	Units	File
Arsenic	134076	ND	1.34	2.00	ug/L	1955553
Barium	134076	2.22	0.561	1.00	ug/L	1955553
Cadmium	134076	ND	0.394	1.00	ug/L	1955553
Chromium	134076	ND	0.487	1.00	ug/L	1955553
Lead	134076	ND	0.341	1.00	ug/L	1955553
Selenium	134076	ND	1.65	2.00	ug/L	1955553
Silver	134076	ND	0.306	1.00	ug/L	1955553

LCS

Parameter	Sample	Reading	Known	Units	Recover%	Limits (%)	File
Arsenic	134076	484	500	ug/L	96.8	85.0 - 115	1955554
Barium	134076	445	500	ug/L	89.0	85.0 - 115	1955554
Cadmium	134076	234	250	ug/L	93.6	85.0 - 115	1955554
Chromium	134076	461	500	ug/L	92.2	85.0 - 115	1955554
Lead	134076	441	500	ug/L	88.2	85.0 - 115	1955554
Selenium	134076	469	500	ug/L	93.8	85.0 - 115	1955554
Silver	134076	97.0	100	ug/L	97.0	85.0 - 115	1955554

CCV

Parameter	Reading	Known	Units	Recover%	Limits (%)	File
Arsenic	299	300	ug/L	99.7	90.0 - 110	1955593
Arsenic	296	300	ug/L	98.7	90.0 - 110	1955590
Arsenic	303	300	ug/L	101	90.0 - 110	1955588
Arsenic	300	300	ug/L	100	90.0 - 110	1955591
Arsenic	297	300	ug/L	99.0	90.0 - 110	1955589
Arsenic	296	300	ug/L	98.7	90.0 - 110	1955592
Arsenic	302	300	ug/L	101	90.0 - 110	1955551
Arsenic	306	300	ug/L	102	90.0 - 110	1955594
Arsenic	298	300	ug/L	99.3	90.0 - 110	1955552
Arsenic	296	300	ug/L	98.7	90.0 - 110	1955570
Arsenic	293	300	ug/L	97.7	90.0 - 110	1955559
Arsenic	295	300	ug/L	98.3	90.0 - 110	1955543
Arsenic	295	300	ug/L	98.3	90.0 - 110	1955536
Arsenic	296	300	ug/L	98.7	90.0 - 110	1955580
Barium	291	300	ug/L	97.0	90.0 - 110	1955551
Barium	287	300	ug/L	95.7	90.0 - 110	1955593
Barium	281	300	ug/L	93.7	90.0 - 110	1955589
Barium	279	300	ug/L	93.0	90.0 - 110	1955570

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271976

02/18/2005

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Metals

QCGROUP 134231 EPA Method 200.8

CCV

Parameter	Reading	Known	Units	Recover%	Limits (%)	File
Barium	291	300	ug/L	97.0	90.0 - 110	1955552
Barium	286	300	ug/L	95.3	90.0 - 110	1955559
Barium	292	300	ug/L	97.3	90.0 - 110	1955588
Barium	282	300	ug/L	94.0	90.0 - 110	1955580
Barium	290	300	ug/L	96.7	90.0 - 110	1955543
Barium	292	300	ug/L	97.3	90.0 - 110	1955536
Barium	280	300	ug/L	93.3	90.0 - 110	1955590
Barium	284	300	ug/L	94.7	90.0 - 110	1955592
Barium	284	300	ug/L	94.7	90.0 - 110	1955591
Barium	290	300	ug/L	96.7	90.0 - 110	1955594
Cadmium	307	300	ug/L	102	90.0 - 110	1955594
Cadmium	306	300	ug/L	102	90.0 - 110	1955551
Cadmium	305	300	ug/L	102	90.0 - 110	1955593
Cadmium	303	300	ug/L	101	90.0 - 110	1955591
Cadmium	303	300	ug/L	101	90.0 - 110	1955588
Cadmium	301	300	ug/L	100	90.0 - 110	1955592
Cadmium	296	300	ug/L	98.7	90.0 - 110	1955536
Cadmium	297	300	ug/L	99.0	90.0 - 110	1955543
Cadmium	298	300	ug/L	99.3	90.0 - 110	1955590
Cadmium	305	300	ug/L	102	90.0 - 110	1955552
Cadmium	299	300	ug/L	99.7	90.0 - 110	1955580
Cadmium	300	300	ug/L	100	90.0 - 110	1955570
Cadmium	295	300	ug/L	98.3	90.0 - 110	1955559
Cadmium	298	300	ug/L	99.3	90.0 - 110	1955589
Chromium	285	300	ug/L	95.0	90.0 - 110	1955591
Chromium	294	300	ug/L	98.0	90.0 - 110	1955594
Chromium	303	300	ug/L	101	90.0 - 110	1955536
Chromium	297	300	ug/L	99.0	90.0 - 110	1955543
Chromium	277	300	ug/L	92.3	90.0 - 110	1955590
Chromium	287	300	ug/L	95.7	90.0 - 110	1955570
Chromium	298	300	ug/L	99.3	90.0 - 110	1955559
Chromium	294	300	ug/L	98.0	90.0 - 110	1955551
Chromium	294	300	ug/L	98.0	90.0 - 110	1955588
Chromium	293	300	ug/L	97.7	90.0 - 110	1955589
Chromium	292	300	ug/L	97.3	90.0 - 110	1955593
Chromium	293	300	ug/L	97.7	90.0 - 110	1955580
Chromium	285	300	ug/L	95.0	90.0 - 110	1955592
Chromium	294	300	ug/L	98.0	90.0 - 110	1955552
Lead	303	300	ug/L	101	90.0 - 110	1955536
Lead	288	300	ug/L	96.0	90.0 - 110	1955591
Lead	286	300	ug/L	95.3	90.0 - 110	1955593
Lead	293	300	ug/L	97.7	90.0 - 110	1955592

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Project QA/QC
271976

02/18/2005

projqc2

Metals

QCGROUP 134231 EPA Method 200.8

CCV

Parameter	Reading	Known	Units	Recover%	Limits (%)	File
Lead	284	300	ug/L	94.7	90.0 - 110	1955594
Lead	298	300	ug/L	99.3	90.0 - 110	1955551
Lead	294	300	ug/L	98.0	90.0 - 110	1955590
Lead	305	300	ug/L	102	90.0 - 110	1955543
Lead	304	300	ug/L	101	90.0 - 110	1955588
Lead	295	300	ug/L	98.3	90.0 - 110	1955559
Lead	303	300	ug/L	101	90.0 - 110	1955552
Lead	299	300	ug/L	99.7	90.0 - 110	1955580
Lead	305	300	ug/L	102	90.0 - 110	1955570
Lead	299	300	ug/L	99.7	90.0 - 110	1955589
Selenium	307	300	ug/L	102	90.0 - 110	1955594
Selenium	301	300	ug/L	100	90.0 - 110	1955580
Selenium	308	300	ug/L	103	90.0 - 110	1955588
Selenium	303	300	ug/L	101	90.0 - 110	1955590
Selenium	302	300	ug/L	101	90.0 - 110	1955591
Selenium	299	300	ug/L	99.7	90.0 - 110	1955592
Selenium	301	300	ug/L	100	90.0 - 110	1955570
Selenium	306	300	ug/L	102	90.0 - 110	1955589
Selenium	300	300	ug/L	100	90.0 - 110	1955593
Selenium	294	300	ug/L	98.0	90.0 - 110	1955552
Selenium	298	300	ug/L	99.3	90.0 - 110	1955559
Selenium	298	300	ug/L	99.3	90.0 - 110	1955536
Selenium	297	300	ug/L	99.0	90.0 - 110	1955543
Selenium	306	300	ug/L	102	90.0 - 110	1955551
Silver	290	300	ug/L	96.7	90.0 - 110	1955580
Silver	294	300	ug/L	98.0	90.0 - 110	1955536
Silver	298	300	ug/L	99.3	90.0 - 110	1955551
Silver	296	300	ug/L	98.7	90.0 - 110	1955552
Silver	296	300	ug/L	98.7	90.0 - 110	1955559
Silver	296	300	ug/L	98.7	90.0 - 110	1955543
Silver	297	300	ug/L	99.0	90.0 - 110	1955570
Silver	293	300	ug/L	97.7	90.0 - 110	1955588
Silver	299	300	ug/L	99.7	90.0 - 110	1955591
Silver	300	300	ug/L	100	90.0 - 110	1955594
Silver	300	300	ug/L	100	90.0 - 110	1955590
Silver	302	300	ug/L	101	90.0 - 110	1955592
Silver	294	300	ug/L	98.0	90.0 - 110	1955589
Silver	293	300	ug/L	97.7	90.0 - 110	1955593

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit
Arsenic	732130	513	501	ND	500	70.0 - 130	103	100	ug/L	2.37	30.0

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271976

02/18/2005

Metals

QCGROUP 134231 EPA Method 200.8

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit
Barium	732130	478	463	0.840	500	70.0 - 130	95.4	92.4	ug/L	3.19	30.0
Cadmium	732130	247	242	0.570	250	70.0 - 130	98.6	96.6	ug/L	2.04	30.0
Chromium	732130	494	484	ND	500	70.0 - 130	98.8	96.8	ug/L	2.04	30.0
Lead	732130	458	476	ND	500	70.0 - 130	91.6	95.2	ug/L	3.85	30.0
Selenium	732130	499	494	ND	500	70.0 - 130	99.8	98.8	ug/L	1.01	30.0
Silver	732130	99.7	99.7	ND	100	70.0 - 130	99.7	99.7	ug/L	0	30.0
Arsenic	732306	489	482	ND	500	70.0 - 130	97.8	96.4	ug/L	1.44	30.0
Barium	732306	462	454	9.48	500	70.0 - 130	90.5	88.9	ug/L	1.75	30.0
Cadmium	732306	237	232	ND	250	70.0 - 130	94.8	92.8	ug/L	2.13	30.0
Chromium	732306	474	473	0.560	500	70.0 - 130	94.7	94.5	ug/L	0.211	30.0
Lead	732306	464	456	0.820	500	70.0 - 130	92.6	91.0	ug/L	1.74	30.0
Selenium	732306	476	469	ND	500	70.0 - 130	95.2	93.8	ug/L	1.48	30.0
Silver	732306	96.2	96.3	ND	100	70.0 - 130	96.2	96.3	ug/L	0.104	30.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits (%)	File
Arsenic	101	100	ug/L	101	90.0 - 110	1955535
Barium	98.3	100	ug/L	98.3	90.0 - 110	1955535
Cadmium	100	100	ug/L	100	90.0 - 110	1955535
Chromium	99.8	100	ug/L	99.8	90.0 - 110	1955535
Lead	99.7	100	ug/L	99.7	90.0 - 110	1955535
Selenium	102	100	ug/L	102	90.0 - 110	1955535
Silver	105	100	ug/L	105	90.0 - 110	1955535

LCS Dup

Parameter	Sample	LCS	LCSD	Blk		Limits	LCS%	LCSD%	Units	RPD	Limit
Arsenic	134076	484	486	ND	500	85.0 - 115	96.8	97.2	ug/L	0.412	14.0
Barium	134076	445	455	2.22	500	85.0 - 115	89.0	91.0	ug/L	2.22	14.0
Cadmium	134076	234	238	ND	250	85.0 - 115	93.6	95.2	ug/L	1.69	14.0
Chromium	134076	461	465	ND	500	85.0 - 115	92.2	93.0	ug/L	0.864	14.0
Lead	134076	441	448	ND	500	85.0 - 115	88.2	89.6	ug/L	1.57	14.0
Selenium	134076	469	480	ND	500	85.0 - 115	93.8	96.0	ug/L	2.32	14.0
Silver	134076	97.0	96.1	ND	100	85.0 - 115	97.0	96.1	ug/L	0.932	14.0

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Ark-La-Miss Region
3100 Knight Street #2 – Shreveport, LA 71105
318/219-9300 FAX 318/219-8300

Project Chain of Custody

Liquid Aqueous 02/08/2005

Report To: DPML 101 Stormwater Outfalls

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Sherman Youngblood
Phone: 318/822-2500 Fax: 318/872-2541

Bottles Required for Requested Tests

4 *Plastic 1/2 gal (White)
4 C: TSS TSSS ARS 2/10/05
8 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
4 C: HEM

_____ Z1-Adminstrative use only: no bottle required
pHB

4 *HNO3 to pH <2 plastic 500 mL for Metals
*AgM *AsM *BaM *CdM *CrM *Hg *PbM *SeM 301L 747L

Requested Laboratory Tests

Silver	*AgM	M	EPA Method 200.8
Arsenic	*AsM	M	EPA Method 200.8
Barium	*BaM	M	EPA Method 200.8
Cadmium	*CdM	M	EPA Method 200.8
Chromium	*CrM	M	EPA Method 200.8
Mercury	*Hg	M	EPA Method 245.1
Lead	*PbM	M	EPA Method 200.8
Selenium	*SeM	M	EPA Method 200.8
Liquid - Metals Digestion	301L	M	EPA 200.2
Mercury Liquid Metals Digestio	747L	M	EPA 245.1
Oil and Grease (HEM)	HEM	W	EPA Method 1664 A
Total Suspended Solids	TSS	W	EPA Method 160.2
TSS Set Started	TSSS	W	
Bottle pH	pHB	A	

Ana-Lab #	Sample ID	Bottles	Date	Time	Tech	Notes
732202	outfall 1	4	2/9/05	9:25		
732203	outfall 2	4	2/9/05	9:40		
732204	outfall 3	4	2/9/05	9:51		
732205	outfall 4	4	2/9/05	10:00		

ANA-LAB CORP.
THE COMPLETE SERVICE LAB

Ark-La-Miss Region

3100 Knight Street #2 – Shreveport, LA 71105
318/219-9300 FAX 318/219-8300

Project Chain of Custody

Liquid Aqueous 02/08/2005

Report To: **DPML** **101** Stormwater Outfalls

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Sherman Youngblood
Phone: 318/822-2500 Fax: 318/872-2541

Ana-Lab #	Sample ID	Bottles	Date	Time	Tech	Notes

Relinquished by	Date	Time	Received by	Date	Time
Sherman Youngblood	2/9/05	1355	[illegible]	2/9/05	1355
[illegible]	2/9/05	1730	Velocity		
Velocity	2/10/05	0940	[illegible]	2/10/05	0940

Received on Ice? ☑ Yes ☐ No Method of Shipment: ☐ UPS ☐ FedEx ☐ Lone Star ☐ Hand ☐ Airborne ☑ Other
Cooler/Sample Secure? ☑ Yes ☐ No Tracking or Shipping Number: 5364664

10C

732202

OUTFALL # 001

pH RESULTS 7.16

DATE 2/9/05

SAMPLING INFORMATION SHEET

OUTFALL # 001

DATE 2/9/05

TIME 9:25

SAMPLE CAUGHT BY Sherman youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 20 C

Sample Temperture 15 C

Testing Time 9:25 (a.m.) p.m.

Smaple Results 7.16 pH

Meter calibration tested after analysis (Y) or N Results 7.16 pH

Approved Sherman youngblood

Title Superintendent

732203

OUTFALL # 002

PH RESULTS 7.03

DATE 2/9/05

SAMPLING INFORMATION SHEET

OUTFALL # 002

DATE 2/9/05

TIME 9:40

SAMPLE CAUGHT BY Sherman youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 22 C

Sample Temperture 15 C

Testing Time 9:40 (a.m.) p.m.

Smaple Results 7.03 pH

Meter calibration tested after analysis (Y) or N Results 7.03 pH

Approved Sherman youngBlood

Title Superintendent

732204

OUTFALL # 003

pH RESULTS 7.26

DATE 2/9/05

SAMPLING INFORMATION SHEET

OUTFALL # 003

DATE 2/9/05

TIME 9:51

SAMPLE CAUGHT BY Sherman YoungBlood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4 (7) 10

Buffer Temperature 22 C

Sample Temperture 15 C

Testing Time 9:51 (a.m.) p.m.

Smaple Results 7.26 pH

Meter calibration tested after analysis (Y) or N Results 7.26 pH

Approved Sherman youngblood

Title Superintendent

732205

OUTFALL # 004

pH RESULTS 7.29

DATE 2/9/05

SAMPLING INFORMATION SHEET

OUTFALL # 004

DATE 2/9/05

TIME 10:00

SAMPLE CAUGHT BY Sherman youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Superintendent

Testing equipment neutralized in Distilled Water Y or N

Meter Calibrated Y or N To pH Buffer 4 Y 10

Buffer Temperature 22 C

Sample Temperture 15 C

Testing Time 10:00 a.m. p.m.

Smaple Results 7.29 pH

Meter calibration tested after analysis Y or N Results 7.29 pH

Approved Sherman youngblood

Title Superintendent

PERMITEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	03	01	TO	05	03	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
318872500	05	04	07

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

©1999 R3M Software Solutions

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	03	01	TO	05	03	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
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Pete Chreene

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3186722500	05	04	07

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	03	01	TO	05	03	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 3188722500 (AREA CODE NUMBER)

DATE: 05 (YEAR) 04 (MO) 07 (DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	03	01	TO	05	03	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	05	04	07
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	03	01	TO	05	03	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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TELEPHONE	DATE		
3188722500	05	04	07
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME Desoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	7.4	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	24.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722500	05	05	23

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME ADDRESS (Include Facility Name/Location if Different)
NAME DeSoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	7.3	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	24.8	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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TELEPHONE		DATE	
3188722500	05	05	23
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

LA0066702	003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	7.5	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	26.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3186722500	05	05	23

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NA[illegible]DDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT [illegible]RGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	7.4	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	24.5	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT.

TELEPHONE	DATE		
3188722500	05	05	23
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME Desoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Pete Chreene
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE (AREA CODE NUMBER)	DATE YEAR	MO	DAY
3188722500	05	05	23

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Corporate Laboratory P.O.Box 9000, Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: **277860**

Report Date: 04/21/2005

001prtproj2

Client: DPML

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Sherman Youngblood

Results for Project 277860

44840 Outfall #1

Liquid Aqueous Taken: 04/12/2005 0845 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.40 @ 0845, 4/12/05 by client

arameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
otal Suspended Solids	24.0	mg/L		1	EPA Method 160.2	04/19/2005 1540	LMK	
il and Grease (HEM)	ND	mg/L		4	EPA Method 1664 A	04/15/2005 1330	CGG	
senic	0.00644	mg/L		0.00200	EPA Method 200.8	04/14/2005 1000	WOB	7440-38-2
arium	0.0467	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-39-3
admium	ND	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-43-9
hromium	0.00230	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-47-3
ead	0.00170	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7439-92-1
elenium	ND	mg/L		0.00200	EPA Method 200.8	04/15/2005 0900	WOB	7782-49-2
lver	ND	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-22-4
ercury	ND	mg/L		0.000150	EPA Method 245.1	04/14/2005 1206	WOB	7439-97-6

[illegible] Outfall #2

Liquid Aqueous Taken: 04/12/2005 0905 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.31 @ 0905, 4/12/05 by client

arameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
otal Suspended Solids	24.8	mg/L		2	EPA Method 160.2	04/19/2005 1540	LMK	
il and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	04/15/2005 1330	CGG	
senic	0.00509	mg/L		0.00200	EPA Method 200.8	04/14/2005 1000	WOB	7440-38-2
arium	0.0448	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-39-3
admium	ND	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-43-9
hromium	0.00873	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-47-3
ead	0.00173	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7439-92-1
elenium	ND	mg/L		0.00200	EPA Method 200.8	04/15/2005 0900	WOB	7782-49-2
lver	ND	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-22-4
ercury	ND	mg/L		0.000150	EPA Method 245.1	04/14/2005 1206	WOB	7439-97-6

44842 Outfall #3

Liquid Aqueous Taken: 04/12/2005 0920 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.52 @ 0920, 4/12/05 by client

arameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
otal Suspended Solids	26.0	mg/L		1	EPA Method 160.2	04/19/2005 1540	LMK	
il and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	04/15/2005 1330	CGG	
senic	0.00414	mg/L		0.00200	EPA Method 200.8	04/14/2005 1000	WOB	7440-38-2
arium	0.0444	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-39-3
admium	ND	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-43-9
hrom[illegible]	0.00286	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-47-3

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COMPLETE SERVICE LAB

Corporate Laboratory P.O.Box 9000, Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914
NELAP-accredited #02008

Project Report: **277860**

Report Date: 04/21/2005

001prtproj2

Client: DPML

Results for Project 277860

44842 Outfall #3

Liquid Aqueous Taken: 04/12/2005 0920 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.52 @ 0920, 4/12/05 by client

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
ead	0.00144	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7439-92-1
elenium	ND	mg/L		0.00200	EPA Method 200.8	04/15/2005 0900	WOB	7782-49-2
ilver	ND	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-22-4
lercury	ND	mg/L		0.000150	EPA Method 245.1	04/14/2005 1206	WOB	7439-97-6

44843 Outfall #4

Liquid Aqueous Taken: 04/12/2005 0940 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

pH 7.38 @ 0940, 4/12/05 by client

Parameter	Result	Unit	Flag	RL	Method	Analyzed	By	CAS
otal Suspended Solids	24.5	mg/L		1	EPA Method 160.2	04/19/2005 1540	LMK	
il and Grease (HEM)	ND	mg/L		5	EPA Method 1664 A	04/15/2005 1330	CGG	
rsenic	0.00473	mg/L		0.00200	EPA Method 200.8	04/14/2005 1000	WOB	7440-38-2
arium	0.0438	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-39-3
admium	ND	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-43-9
um	0.00287	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-47-3
ead	0.00154	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7439-92-1
elenium	ND	mg/L		0.00200	EPA Method 200.8	04/15/2005 0900	WOB	7782-49-2
ilver	ND	mg/L		0.00100	EPA Method 200.8	04/14/2005 1000	WOB	7440-22-4
lercury	ND	mg/L		0.000150	EPA Method 245.1	04/14/2005 1206	WOB	7439-97-6

Sample Preparation Steps for Project 277860

44840 Outfall #1

Liquid Aqueous Taken: 04/12/2005 0845 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
ottle pH	<2	SU		04/13/2005 1617	CCP
SS Set Started	FILTERED			04/18/2005 1622	LMK
iquid - Metals Digestion	50/50	mL/mL	EPA 200.2	04/14/2005 0855	MDD
lercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	04/14/2005 0930	PJD

44841 Outfall #2

Liquid Aqueous Taken: 04/12/2005 0905 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

Parameter	Result	Unit	Method	Analyzed	By
ottle pH	<2	SU		04/13/2005 1617	CCP
SS Set Started	FILTERED			04/18/2005 1622	LMK
iquid - Metals Digestion	50/50	mL/mL	EPA 200.2	04/14/2005 0855	MDD
lercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	04/14/2005 0930	PJD

44842 Outfall #3

Liquid Aqueous Taken: 04/12/2005 0920 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

arameter	Result	Unit	Method	Analyzed	By
ottle pH	<2	SU		04/13/2005 1617	CCP
SS Set Started	FILTERED			04/18/2005 1622	LMK
quid - Metals Digestion	50/50	mL/mL	EPA 200.2	04/14/2005 0855	MDD
ercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	04/14/2005 0930	PJD

44843 Outfall #4

Liquid Aqueous Taken: 04/12/2005 0940 By: S Youngblood
Sampler Affiliation: Desoto Parish/Mundy GRAB

arameter	Result	Unit	Method	Analyzed	By
ottle pH	<2	SU		04/13/2005 1617	CCP
SS Set Started	FILTERED			04/18/2005 1622	LMK
quid - Metals Digestion	50/50	mL/mL	EPA 200.2	04/14/2005 0855	MDD
ercury Liquid Metals Digesti	50/25	mL/mL	EPA 245.1	04/14/2005 0930	PJD

SET Quality Control/Quality Assurance for Project 277860

Mercury

(Analyzed: 04/14/2005 1206 WOB Verified: 04/14/2005 14:49 SAH)
Sampler Affiliation: GRAB

ample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	4.95	5.00	ppb	99.0	
	Standard	5.29	5.00	ppb	105.8	
	Standard	5.18	5.00	ppb	103.6	
	Standard	5.04	5.00	ppb	100.8	
	Standard	5.04	5.00	ppb	100.8	
	LCS	5.01	5.00	ppb	100.2	
	LCS	4.95	5.00	ppb	99.0	
	Blank	<0.150		ppb		
:4891	Matrix SPK	4.53	5.00	ppb	90.6	
:4891	MS Dup	4.76	5.00	ppb	95.2	4.95
:4906	Matrix SPK	4.88	5.00	ppb	97.6	
:4906	MS Dup	4.79	5.00	ppb	95.8	1.86

Oil and Grease (HEM)

(Analyzed: 04/15/2005 1330 CGG Verified: 04/18/2005 15:15 MDM)
Sampler Affiliation: GRAB

ample	Type	Result	Value	Unit	Recovery (%)	RPD
N9612	LCS	37.5	40	mg/L	93.8	
N9612	LCS	34.1	40	mg/L	85.3	
	Blank	0.00070		grams		
:4802	Duplicate	ND	ND	mg/L		0.0
:5307	Matrix SPK	0.0323	0.040	grams	80.8	

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NELAP-accredited #02008

Project Report: **277860**

Report Date: 04/21/2005

001prtproj2

Client: DPML

SET Quality Control/Quality Assurance for Project 277860

Total Suspended Solids

(Analyzed: 04/19/2005 1540 LMK Verified: 04/21/2005 14:22 NGT)

Sampler Affiliation: GRAB

ample	Type	Result	Value	Unit	Recovery (%)	RPD
	Standard	98.0	100	mg/L	98.0	
/10109	LCS	49.0	50	mg/L	98.0	
	Blank	0.0000		grams		
	Blank	0.00010		grams		
14611	Duplicate	5.5	6.0	mg/L		8.7
14714	Duplicate	127	113	mg/L		11.7
14778	Duplicate	52.0	51.0	mg/L		1.9

L is our Reporting Limit, or MAL (Minimum Analytical Level/Minimum Quantitation Level). The MAL takes into account the Instrument Detection Limit DL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation QL). Our analytical result must be above this MAL before we report a value in the "Results" column of our report. Otherwise, we report ND (Not d above MAL), because the result is "<" (less than) the number in the MAL column.

nless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department Health Lead Firm Certificate 2110076, EPA National Lead Laboratory Accreditation Program #637.01, Texas Department of Agriculture Soil Import ermit S-37592, Texas Department of Health Drinking Water Laboratory Certificate TX219, Oklahoma Department of Environmental Quality Drinking 'ater Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental uality Laboratory Certificate 8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental uality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, Delaware ealth and Social Services (ODW) Drinking Water Approved, US Department of Energy Approved, Entidad Mexicana de Acreditacion, A.C. (EMA, In newal as of 6/18/2004) Agua Ag-014-003/03 and Fuentes Fijas, Residuos y Ambiente Laroral FRA-013-005/03, State of Kansas Department of Health d Environment Waste Water and Solid/Hazardous Waste Cert. E-10365, Alabama Department of Environmental Management Drinking Water #41540.

ese analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp.

nless otherwise specified, these test results meet the requirements of NELAC.

H. Whiteside, Ph.D., President

MEMBER ACIL

Corporate P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

002rptcoc2

COC

Ark-La-Miss Region 3100 Knight Street #2 -- Shreveport, LA 71105
318/219-9300 FAX 318/219-8300

Project Chain of Custody

Liquid Aqueous 02/08/2005

Report To: DPML 101 Stormwater Outfalls

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Shennan Youngblood
Phone: 318/872-2500 Fax: 318/872-2541

Bottles Required for Requested Tests

4 *Plastic 1/2 gal (White)
4 C: TSS TSSS

18 *H2SO4 to pH <2 Glot w/Tef-lined lid-2
4 C: HEM

____ Z1-Adminstrative use only; no bottle required
pHB

4 *HNO3 to pH <2 plastic 500 mL for Metals
*AgM *AsM *BaM *CdM *CrM *Hg *PbM *SeM 301L 747L

Requested Laboratory Tests

Silver	*AgM	M	EPA Method 200.8
Arsenic	*AsM	M	EPA Method 200.8
Barium	*BaM	M	EPA Method 200.8
Cadmium	*CdM	M	EPA Method 200.8
Chromium	*CrM	M	EPA Method 200.8
Mercury	*Hg	M	EPA Method 245.1
Lead	*PbM	M	EPA Method 200.8
Selenium	*SeM	M	EPA Method 200.8
Liquid - Metals Digestion	301L	M	EPA 200.2
Mercury Liquid Metals Digestio	747L	M	EPA 245.1
Oil and Grease (HEM)	HEM	W	EPA Method 1664 A
Total Suspended Solids	TSS	W	EPA Method 160.2
TSS Set Started	TSSS	W	
Bottle pH	pHB	A	

Ana-Lab #	Sample ID	Bottles	Date	Time	Tech	Notes
744840	Outfall #1	4	4-12-05	8:45		
744841	Outfall #2	4	4/12/05	9:05		
744842	Outfall #3	4	4/12/05	9:20		
744843	Outfall #4	4	4/12/05	9:40		

Corporate P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

002rptcoc2

COC

Ark-La-Miss Region 3100 Knight Street #2 – Shreveport, LA 71105
318/219-9300 FAX 318/219-8300

Project Chain of Custody

Liquid Aqueous 02/08/2005 Page 2 of 2

Report To: DPML 101 Stormwater Outfalls

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Shennan Youngblood
Phone: 318/822-2500 Fax: 318/872-2541

Ana-Lab #	Sample ID	Bottles	Date	Time	Tech	Notes

Relinquished by	Date	Time	Received by	Date	Time
[illegible]	4/13/05	1520	[illegible]	4/13/05	1520
[illegible]	4/13/05	1500	Velocity		
Velocity	4/13/05	1605	[illegible]	4/13/05	1605

Received on Ice? ☑ Yes ☐ No Method of Shipment: ☐ UPS ☐ FedEx ☐ Lone Star ☐ Hand ☐ Airborne ☑ Other
Cooler/Sample Secure? ☑ Yes ☐ No Tracking or Shipping Number:

1°C

ANALAB
COMPLETE SERVICE LAB
Corporate
P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

002rptcoc2

COC

744840

OUTFALL # 001
pH RESULTS 7:40
DATE 4/12/05

SAMPLING INFORMATION SHEET

OUTFALL # 001
DATE 4/12/05
TIME 8:45

SAMPLE CAUGHT BY Sherman Youngblood
TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Superintendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 20 C
Sample Temperture 18 C
Testing Time 8:45 (a.m.) p.m.
Smaple Results 7:40 pH
Meter calibration tested after analysis (Y) or N Results 7:40 pH
Approved Sherman Youngblood
Title Superintendent

ANALAB
COMPLETE SERVICE LAB
Corporate
P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

002rptcoc2

COC

744841

OUTFALL # 002
pH RESULTS 7.31
DATE 4/12/05

SAMPLING INFORMATION SHEET

OUTFALL # 002 DATE 4/12/05
TIME 9:05 AM

SAMPLE CAUGHT BY Sherman youngblood
TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Superintendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 20 C
Sample Temperture 18 C
Testing Time 9:05 (a.m.) p.m.
Smaple Results 7.31 pH
Meter calibration tested after analysis (Y) or N Results 7.31 pH
Approved Sherman youngblood
Title Superintendent

ANA-LAB
COMPLETE SERVICE LAB
Corporate
P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

002rptcoc2

COC

744842

OUTFALL # 003
pH RESULTS 7.52
DATE 4/12/05

SAMPLING INFORMATION SHEET

OUTFALL # 003
DATE 4/12/05
TIME 9:20 AM

SAMPLE CAUGHT BY Sherman Youngblood
TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman YoungBlood Title Superintendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 20 C
Sample Temperture 18 C
Testing Time 9:20 (a.m.) p.m.
Smaple Results 7.52 pH
Meter calibration tested after analysis (Y) or N Results 7.52 pH
Approved Sherman YoungBlood
Title Superintendent

ANA-LAB CORP.
COMPLETE SERVICE LAB
Corporate
P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

002rptcoc2

COC

744843

OUTFALL # 004
pH RESULTS 7.38
DATE 4/12/05

SAMPLING INFORMATION SHEET

OUTFALL # 004
DATE 4/12/05
TIME 9:40 AM

SAMPLE CAUGHT BY Sherman YoungBlood
TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman YoungBlood Title Superintendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 20 C
Sample Temperture 18 C
Testing Time 9:40 a.m. p.m.
Smaple Results 7.38 pH
Meter calibration tested after analysis (Y) or N Results 7.38 pH
Approved Sherman YoungBlood
Title Superintendent

ANA-LAB CORP.
COMPLETE SERVICE LAB

Corporate

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903/984-0551 FAX 903/984-5914

Project 277860 Samples

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Sherman Youngblood

ple	Identification	Taken		By	Received
1840	*Outfall #1*	04/12/2005	0845	S Youngblood	04/13/2005

Matrix: Liquid Aqueous pH 7.40 @ 0845, 4/12/05 by client

tle # 01 *Plastic 1/2 gal (White)
tle # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
tle # 03 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
tle # 04 *HNO3 to pH <2 plastic 500 mL for Metals
tle # 05 Prepared Bottle: Mercury Preparation for Metals (Batch 140333) Volume: 50.0 mL ==> Derived from 04(25.0 mL

tle # 06 Prepared Bottle: ICP Preparation for Metals (Batch 140336) Volume: 50.0 mL ==> Derived from 04(50.0 mL)

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA Method 160.2	01	140717	04/19/2005	140717	04/19/2005
EPA Method 1664 A	02	140560	04/15/2005	140560	04/15/2005
EPA Method 200.8	06	140336	04/14/2005	140441	04/14/2005
EPA Method 200.8	06	140336	04/14/2005	140583	04/15/2005
EPA Method 245.1	05	140333	04/14/2005	140392	04/14/2005

1841	*Outfall #2*	04/12/2005	0905	S Youngblood	04/13/2005

Matrix: Liquid Aqueous pH 7.31 @ 0905, 4/12/05 by client

le # 01 *Plastic 1/2 gal (White)
le # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
le # 03 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
le # 04 *HNO3 to pH <2 plastic 500 mL for Metals
le # 05 Prepared Bottle: Mercury Preparation for Metals (Batch 140333) Volume: 50.0 mL ==> Derived from 04(25.0 mL

le # 06 Prepared Bottle: ICP Preparation for Metals (Batch 140336) Volume: 50.0 mL ==> Derived from 04(50.0 mL)

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA Method 160.2	01	140717	04/19/2005	140717	04/19/2005
EPA Method 1664 A	03	140560	04/15/2005	140560	04/15/2005
EPA Method 200.8	06	140336	04/14/2005	140441	04/14/2005
EPA Method 200.8	06	140336	04/14/2005	140583	04/15/2005
EPA Method 245.1	05	140333	04/14/2005	140392	04/14/2005

1842	*Outfall #3*	04/12/2005	0920	S Youngblood	04/13/2005

Matrix: Liquid Aqueous pH 7.52 @ 0920, 4/12/05 by client

le # 01 *Plastic 1/2 gal (White)
le # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
le # 03 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
le # 04 *HNO3 to pH <2 plastic 500 mL for Metals
le # 05 Prepared Bottle: Mercury Preparation for Metals (Batch 140333) Volume: 50.0 mL ==> Derived from 04(25.0 mL

le # 06 Prepared Bottle: ICP Preparation for Metals (Batch 140336) Volume: 50.0 mL ==> Derived from 04(50.0 mL)

hod	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
Method 160.2	01	140717	04/19/2005	140717	04/19/2005

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Project 277860 Samples

ple	Identification	Taken		By		Received
	EPA Method 1664 A	03	140560	04/15/2005	140560	04/15/2005
	EPA Method 200.8	06	140336	04/14/2005	140441	04/14/2005
	EPA Method 200.8	06	140336	04/14/2005	140583	04/15/2005
	EPA Method 245.1	05	140333	04/14/2005	140392	04/14/2005
4843	*Outfall #4*	04/12/2005	0940	S Youngblood		04/13/2005

Matrix: Liquid Aqueous pH 7.38 @ 0940, 4/12/05 by client

tle # 01 *Plastic 1/2 gal (White)
tle # 02 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
tle # 03 *H2SO4 to pH <2 GlQt w/Tef-lined lid-2
tle # 04 *HNO3 to pH <2 plastic 500 mL for Metals
tle # 05 Prepared Bottle: Mercury Preparation for Metals (Batch 140333) Volume: 50.0 mL ==> Derived from 04(25.0 mL

tle # 06 Prepared Bottle: ICP Preparation for Metals (Batch 140336) Volume: 50.0 mL ==> Derived from 04(50.0 mL)

Method	Bot	PrpSet	(Preparation)	QCgroup	(Analytical)
EPA Method 160.2	01	140717	04/19/2005	140717	04/19/2005
EPA Method 1664 A	03	140560	04/15/2005	140560	04/15/2005
EPA Method 200.8	06	140336	04/14/2005	140441	04/14/2005
EPA Method 200.8	06	140336	04/14/2005	140583	04/15/2005
EPA Method 245.1	05	140333	04/14/2005	140392	04/14/2005

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Project QA/QC
277860

004projqc2

04/21/2005

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Sherman Youngblood

Metals

QCGROUP 140405 EPA Method 200.8

Blank

ımeter	Sample	Reading	MDL	MQL	Units	File
ic	140336	ND	1.34	2.00	ug/L	2047070
ic	140336	ND	1.34	2.00	ug/L	2047070
ium	140336	0.170	0.111	1.00	ug/L	2047070
ium	140336	0.170	0.111	1.00	ug/L	2047070
nium	140336	ND	0.487	1.00	ug/L	2047070
nium	140336	ND	0.487	1.00	ug/L	2047070
	140336	0.360	0.341	1.00	ug/L	2047070
	140336	0.360	0.341	1.00	ug/L	2047070
ium	140336	ND	1.65	2.00	ug/L	2047070
ium	140336	ND	1.65	2.00	ug/L	2047070

LCS

	Sample	Reading	Known	Units	Recover%	Limits (%)	File
ic	140336	528	500	ug/L	106	85.0 - 115	2047071
ic	140336	528	500	ug/L	106	85.0 - 115	2047071
ium	140336	258	250	ug/L	103	85.0 - 115	2047071
ium	140336	258	250	ug/L	103	85.0 - 115	2047071
nium	140336	476	500	ug/L	95.2	85.0 - 115	2047071
mium	140336	476	500	ug/L	95.2	85.0 - 115	2047071
	140336	498	500	ug/L	99.6	85.0 - 115	2047071
	140336	498	500	ug/L	99.6	85.0 - 115	2047071
ium	140336	508	500	ug/L	102	85.0 - 115	2047071
ium	140336	508	500	ug/L	102	85.0 - 115	2047071

MS

ımeter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit
nic	744681	510	546	11.7	500	70.0 - 130	99.7	107	ug/L	6.82	30.0
ic	744681	510	546	11.7	500	70.0 - 130	99.7	107	ug/L	6.82	30.0
nium	744681	218	218	10.8	250	70.0 - 130	82.9	82.9	ug/L	0	30.0
nium	744681	218	218	10.8	250	70.0 - 130	82.9	82.9	ug/L	0	30.0
nium	744681	481	510	3.56	500	70.0 - 130	95.5	101	ug/L	5.85	30.0
mium	744681	481	510	3.56	500	70.0 - 130	95.5	101	ug/L	5.85	30.0
	744681	572	568	29.2	500	70.0 - 130	109	108	ug/L	0.702	30.0
	744681	572	568	29.2	500	70.0 - 130	109	108	ug/L	0.702	30.0
nium	744681	500	538	41.0	500	70.0 - 130	91.8	99.4	ug/L	7.32	30.0
nium	744681	500	538	41.0	500	70.0 - 130	91.8	99.4	ug/L	7.32	30.0

LCS Dup

	Sample	LCS	LCSD	Blk	Limits	LCS%	LCSD%	Units	RPD	Limit

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Metals

QCGROUP 140405 EPA Method 200.8

LCS Dup

ameter	Sample	LCS	LCSD	Blk		Limits	LCS%	LCSD%	Units	RPD	Limit
nic	140336	528	533	ND	500	85.0 - 115	106	107	ug/L	0.943	14.0
nic	140336	528	533	ND	500	85.0 - 115	106	107	ug/L	0.943	14.0
nium	140336	258	261	0.170	250	85.0 - 115	103	104	ug/L	1.16	14.0
ium	140336	258	261	0.170	250	85.0 - 115	103	104	ug/L	1.16	14.0
mium	140336	476	470	ND	500	85.0 - 115	95.2	94.0	ug/L	1.27	14.0
mium	140336	476	470	ND	500	85.0 - 115	95.2	94.0	ug/L	1.27	14.0
	140336	498	503	0.360	500	85.0 - 115	99.6	101	ug/L	0.999	14.0
	140336	498	503	0.360	500	85.0 - 115	99.6	101	ug/L	0.999	14.0
nium	140336	508	513	ND	500	85.0 - 115	102	103	ug/L	0.979	14.0
nium	140336	508	513	ND	500	85.0 - 115	102	103	ug/L	0.979	14.0

QCGROUP 140441 EPA Method 200.8

Blank

rmeter	Sample	Reading	MDL	MQL	Units	File
nic	140336	1.61	1.34	2.00	ug/L	2047565
	140336	1.15	0.561	1.00	ug/L	2047565
ni	140336	0.380	0.111	1.00	ug/L	2047565
mium	140336	ND	0.487	1.00	ug/L	2047565
	140336	0.360	0.341	1.00	ug/L	2047565
r	140336	ND	0.306	1.00	ug/L	2047565

LCS

ameter	Sample	Reading	Known	Units	Recover%	Limits (%)	File
nic	140336	538	500	ug/L	108	85.0 - 115	2047566
m	140336	500	500	ug/L	100	85.0 - 115	2047566
nium	140336	261	250	ug/L	104	85.0 - 115	2047566
mium	140336	501	500	ug/L	100	85.0 - 115	2047566
	140336	494	500	ug/L	98.8	85.0 - 115	2047566
r	140336	104	100	ug/L	104	85.0 - 115	2047566

CCV

ameter	Reading	Known	Units	Recover%	Limits (%)	File
nic	329	300	ug/L	110	90.0 - 110	2047575
nic	318	300	ug/L	106	90.0 - 110	2047564
nic	325	300	ug/L	108	90.0 - 110	2047585
nic	302	300	ug/L	101	90.0 - 110	2047562
nic	323	300	ug/L	108	90.0 - 110	2047595
m	310	300	ug/L	103	90.0 - 110	2047585
m	310	300	ug/L	103	90.0 - 110	2047575
m	302	300	ug/L	101	90.0 - 110	2047606
m	297	300	ug/L	99.0	90.0 - 110	2047595
m	304	300	ug/L	101	90.0 - 110	2047564
m	308	300	ug/L	103	90.0 - 110	2047562

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Metals

QCGROUP 140441 EPA Method 200.8

CCV

ameter	Reading	Known	Units	Recover%	Limits (%)	File
ium	324	300	ug/L	108	90.0 - 110	2047575
ium	312	300	ug/L	104	90.0 - 110	2047595
ium	312	300	ug/L	104	90.0 - 110	2047564
ium	321	300	ug/L	107	90.0 - 110	2047585
ium	328	300	ug/L	109	90.0 - 110	2047606
ium	293	300	ug/L	97.7	90.0 - 110	2047562
ium	309	300	ug/L	103	90.0 - 110	2047564
ium	300	300	ug/L	100	90.0 - 110	2047562
ium	296	300	ug/L	98.7	90.0 - 110	2047606
ium	301	300	ug/L	100	90.0 - 110	2047595
ium	300	300	ug/L	100	90.0 - 110	2047585
ium	308	300	ug/L	103	90.0 - 110	2047575
	303	300	ug/L	101	90.0 - 110	2047595
	307	300	ug/L	102	90.0 - 110	2047575
	304	300	ug/L	101	90.0 - 110	2047606
	306	300	ug/L	102	90.0 - 110	2047585
	306	300	ug/L	102	90.0 - 110	2047564
	298	300	ug/L	99.3	90.0 - 110	2047562
	311	300	ug/L	104	90.0 - 110	2047575
	304	300	ug/L	101	90.0 - 110	2047562
	299	300	ug/L	99.7	90.0 - 110	2047606
	302	300	ug/L	101	90.0 - 110	2047585
	304	300	ug/L	101	90.0 - 110	2047595
	311	300	ug/L	104	90.0 - 110	2047564

MS

ameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit
ic	744724	584	572	18.0	500	70.0 - 130	113	111	ug/L	2.08	30.0
m	744724	695	701	178	500	70.0 - 130	103	105	ug/L	0.860	30.0
ium	744724	221	221	0.330	250	70.0 - 130	88.3	88.3	ug/L	0	30.0
ium	744724	493	493	7.52	500	70.0 - 130	97.1	97.1	ug/L	0	30.0
	744724	536	541	2.04	500	70.0 - 130	107	108	ug/L	0.929	30.0
	744724	90.9	92.0	ND	100	70.0 - 130	90.9	92.0	ug/L	1.20	30.0

ICV

ameter	Reading	Known	Units	Recover%	Limits (%)	File
ic	104	100	ug/L	104	90.0 - 110	2047563
m	101	100	ug/L	101	90.0 - 110	2047563
ium	101	100	ug/L	101	90.0 - 110	2047563
ium	104	100	ug/L	104	90.0 - 110	2047563
	100	100	ug/L	100	90.0 - 110	2047563
	106	100	ug/L	106	90.0 - 110	2047563

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Metals

QCGROUP 140441 EPA Method 200.8

LCS Dup

ameter	Sample	LCS	LCSD	Blk		Limits	LCS%	LCSD%	Units	RPD	Limit
nic	140336	538	526	1.61	500	85.0 - 115	108	105	ug/L	2.26	14.0
m	140336	500	474	1.15	500	85.0 - 115	100	94.8	ug/L	5.34	14.0
nium	140336	261	251	0.380	250	85.0 - 115	104	100	ug/L	3.91	14.0
mium	140336	501	495	ND	500	85.0 - 115	100	99.0	ug/L	1.20	14.0
	140336	494	496	0.360	500	85.0 - 115	98.8	99.2	ug/L	0.404	14.0
r	140336	104	98.2	ND	100	85.0 - 115	104	98.2	ug/L	5.74	14.0

QCGROUP 140583 EPA Method 200.8

Blank

ameter	Sample	Reading	MDL	MQL	Units	File
nic	140336	ND	1.34	2.00	ug/L	2049659
m	140336	0.930	0.561	1.00	ug/L	2049659
nium	140336	ND	0.111	1.00	ug/L	2049659
mium	140336	ND	0.487	1.00	ug/L	2049659
	140336	ND	0.341	1.00	ug/L	2049659
	140336	ND	1.65	2.00	ug/L	2049659
r	140336	ND	0.306	1.00	ug/L	2049659

LCS

ameter	Sample	Reading	Known	Units	Recover%	Limits (%)	File
nic	140336	545	500	ug/L	109	85.0 - 115	2049660
m	140336	494	500	ug/L	98.8	85.0 - 115	2049660
nium	140336	269	250	ug/L	108	85.0 - 115	2049660
mium	140336	517	500	ug/L	103	85.0 - 115	2049660
	140336	500	500	ug/L	100	85.0 - 115	2049660
nium	140336	511	500	ug/L	102	85.0 - 115	2049660
r	140336	103	100	ug/L	103	85.0 - 115	2049660

CCV

ameter	Reading	Known	Units	Recover%	Limits (%)	File
nium	295	300	ug/L	98.3	90.0 - 110	2049681
nium	325	300	ug/L	108	90.0 - 110	2049685
nium	323	300	ug/L	108	90.0 - 110	2049673
nium	309	300	ug/L	103	90.0 - 110	2049677
nium	311	300	ug/L	104	90.0 - 110	2049654
nium	296	300	ug/L	98.7	90.0 - 110	2049662

MS

ameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit
nic	744724	560	564	15.1	500	70.0 - 130	109	110	ug/L	0.712	30.0
m	744724	682	701	180	500	70.0 - 130	100	104	ug/L	2.75	30.0
mi	744724	225	227	0.180	250	70.0 - 130	89.9	90.7	ug/L	0.885	30.0
m	744724	519	517	7.69	500	70.0 - 130	102	102	ug/L	0.386	30.0

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Metals

QCGROUP 140583 EPA Method 200.8

MS

ımeter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit
	744724	532	538	1.88	500	70.0 - 130	106	107	ug/L	1.12	30.0
ium	744724	548	564	26.7	500	70.0 - 130	104	107	ug/L	2.88	30.0
	744724	90.8	92.6	ND	100	70.0 - 130	90.8	92.6	ug/L	1.96	30.0

ICV

ımeter	Reading	Known	Units	Recover%	Limits (%)	File
ium	98.8	100	ug/L	98.8	90.0 - 110	2049655
ium	109	100	ug/L	109	90.0 - 110	2049653

LCS Dup

ımeter	Sample	LCS	LCSD	Blk		Limits	LCS%	LCSD%	Units	RPD	Limit
	140336	545	537	ND	500	85.0 - 115	109	107	ug/L	1.48	14.0
	140336	494	492	0.930	500	85.0 - 115	98.8	98.4	ug/L	0.406	14.0
ium	140336	269	268	ND	250	85.0 - 115	108	107	ug/L	0.372	14.0
ium	140336	517	517	ND	500	85.0 - 115	103	103	ug/L	0	14.0
	140336	500	497	ND	500	85.0 - 115	100	99.4	ug/L	0.602	14.0
	140336	511	505	ND	500	85.0 - 115	102	101	ug/L	1.18	14.0
	140336	103	99.5	ND	100	85.0 - 115	103	99.5	ug/L	3.46	14.0

QCGROUP 140619 EPA Method 200.8

Blank

ımeter	Sample	Reading	MDL	MQL	Units	File
	140336	ND	1.34	2.00	ug/L	2050166
	140336	ND	1.34	2.00	ug/L	2050166
	140336	0.930	0.561	1.00	ug/L	2050166
	140336	0.930	0.561	1.00	ug/L	2050166
ium	140336	ND	0.111	1.00	ug/L	2050166
ium	140336	ND	0.111	1.00	ug/L	2050166
ium	140336	ND	0.487	1.00	ug/L	2050166
ium	140336	ND	0.487	1.00	ug/L	2050166
	140336	ND	0.341	1.00	ug/L	2050166
	140336	ND	0.341	1.00	ug/L	2050166
ium	140336	ND	1.65	2.00	ug/L	2050166
ium	140336	ND	1.65	2.00	ug/L	2050166
	140336	ND	0.306	1.00	ug/L	2050166
	140336	ND	0.306	1.00	ug/L	2050166

LCS

ımeter	Sample	Reading	Known	Units	Recover%	Limits (%)	File
	140336	545	500	ug/L	109	85.0 - 115	2050167
	140336	545	500	ug/L	109	85.0 - 115	2050167
	140336	494	500	ug/L	98.8	85.0 - 115	2050167
	140336	494	500	ug/L	98.8	85.0 - 115	2050167

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Project QA/QC
277860

14-21/2005

Metals

QCGROUP 140619 EPA Method 200.8

LCS

meter	Sample	Reading	Known	Units	Recover%	Limits (%)	File
ium	140336	269	250	ug/L	108	85.0 - 115	2050167
ium	140336	269	250	ug/L	108	85.0 - 115	2050167
nium	140336	517	500	ug/L	103	85.0 - 115	2050167
ium	140336	517	500	ug/L	103	85.0 - 115	2050167
	140336	500	500	ug/L	100	85.0 - 115	2050167
	140336	500	500	ug/L	100	85.0 - 115	2050167
um	140336	511	500	ug/L	102	85.0 - 115	2050167
um	140336	511	500	ug/L	102	85.0 - 115	2050167
	140336	103	100	ug/L	103	85.0 - 115	2050167
	140336	103	100	ug/L	103	85.0 - 115	2050167

MS

meter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit
c	744724	560	564	15.1	500	70.0 - 130	109	110	ug/L	0.712	30.0
c	744724	560	564	15.1	500	70.0 - 130	109	110	ug/L	0.712	30.0
n	744724	682	701	180	500	70.0 - 130	100	104	ug/L	2.75	30.0
	744724	682	701	180	500	70.0 - 130	100	104	ug/L	2.75	30.0
	744724	225	227	0.180	250	70.0 - 130	89.9	90.7	ug/L	0.885	30.0
ium	744724	225	227	0.180	250	70.0 - 130	89.9	90.7	ug/L	0.885	30.0
ium	744724	519	517	7.69	500	70.0 - 130	102	102	ug/L	0.386	30.0
ium	744724	519	517	7.69	500	70.0 - 130	102	102	ug/L	0.386	30.0
	744724	532	538	1.88	500	70.0 - 130	106	107	ug/L	1.12	30.0
	744724	532	538	1.88	500	70.0 - 130	106	107	ug/L	1.12	30.0
um	744724	548	564	26.7	500	70.0 - 130	104	107	ug/L	2.88	30.0
um	744724	548	564	26.7	500	70.0 - 130	104	107	ug/L	2.88	30.0
	744724	90.8	92.6	ND	100	70.0 - 130	90.8	92.6	ug/L	1.96	30.0
	744724	90.8	92.6	ND	100	70.0 - 130	90.8	92.6	ug/L	1.96	30.0

LCS Dup

meter	Sample	LCS	LCSD	Blk		Limits	LCS%	LCSD%	Units	RPD	Limit
c	140336	545	537	ND	500	85.0 - 115	109	107	ug/L	1.48	14.0
c	140336	545	537	ND	500	85.0 - 115	109	107	ug/L	1.48	14.0
n	140336	494	492	0.930	500	85.0 - 115	98.8	98.4	ug/L	0.406	14.0
n	140336	494	492	0.930	500	85.0 - 115	98.8	98.4	ug/L	0.406	14.0
ium	140336	269	268	ND	250	85.0 - 115	108	107	ug/L	0.372	14.0
ium	140336	269	268	ND	250	85.0 - 115	108	107	ug/L	0.372	14.0
ium	140336	517	517	ND	500	85.0 - 115	103	103	ug/L	0	14.0
nium	140336	517	517	ND	500	85.0 - 115	103	103	ug/L	0	14.0
	140336	500	497	ND	500	85.0 - 115	100	99.4	ug/L	0.602	14.0
	140336	500	497	ND	500	85.0 - 115	100	99.4	ug/L	0.602	14.0
um	140336	511	505	ND	500	85.0 - 115	102	101	ug/L	1.18	14.0
um	140336	511	505	ND	500	85.0 - 115	102	101	ug/L	1.18	14.0
	140336	103	99.5	ND	100	85.0 - 115	103	99.5	ug/L	3.46	14.0

Corporate

P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

Project QA/QC
277860

04/21/2005

Metals

QCGROUP 140619 EPA Method 200.8

LCS Dup

ımeter	Sample	LCS	LCSD	Blk		Limits	LCS%	LCSD%	Units	RPD	Limit
	140336	103	99.5	ND	100	85.0 - 115	103	99.5	ug/L	3.46	14.0

Corporate

P.O. Box 9000 -- Kilgore, TX 75663-9000
903/984-0551 FAX 903/984-5914

Project 277860

005prttoc

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Sherman Youngblood

This report consists of the following sections:

Section	Page Count	Total Count
001prtproj2	4	4
002rptcoc2	6	10
003projsamples	2	12
004projqc2	7	19
005prttoc	1	20
Total Pages	20	

ERMITEE NAME RESS (Include Facility Name/Location if Different)
AME DeSoto Parish Police Jury
DDRESS P.O. Box 898
Mansfield, LA 71052

ACILITY Mundy Sanitary Landfill
OCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISC ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

LA0066702	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	05	01	TO	05	05	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
I	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
0406 1 0 0 ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
SS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
0530 1 0 0 fluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
& G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
0556 1 0 0 fluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

AME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
olid Waste Superintendent
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Pete Chreene
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	05	06	20
AREA CODE NUMBER	YEAR	MO	DAY

MMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITEE NAME [redacted] DRESS (Include Facility Name/Location if Different)
NAME DeSoto Parish Police Jury
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Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
oil	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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H	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
0406 1 0 0 ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
SS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
0530 1 0 0 ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
& G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
0556 1 0 0 ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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H	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
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SS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
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& G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
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Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
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DISCHARGE MONITORING REPORT (DMR)

LA0066702	005
PERMIT NUMBER	DISCHARGE NUMBER

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
H	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
0406 1 0 0 ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
SS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
0530 1 0 0 ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
& G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
0556 1 0 0 ffluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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Solid Waste Superintendent
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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TELEPHONE		DATE		
318	8722500	05	07	15
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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

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LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

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pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
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00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
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TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Pete Chreene

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	05	07	15
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	06	01	TO	05	06	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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Solid Waste Superintendent
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	05	07	15
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 D2M Software Solutions

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME D[illegible]to Parish Police Jury
ADDRESS P.O. Box 398
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT [illegible]ARGE ELIMINATION SYSTEM (NPDES)
DISCHARG[illegible]NITORING REPORT (DMR)

LA0066702	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	05	08	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME De Soto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	8722500	05	08	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NA[redacted]DDRESS (Include Facility Name/Location if Different)
NAME De[redacted]o Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT D[redacted]RGE ELIMINATION SYSTEM (NPDES)
DISCHARGE [redacted]TORING REPORT (DMR)

LA0066702	003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31

☑ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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TELEPHONE		DATE		
3188722500		05	08	08
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME D[illegible]to Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT[illegible]ARGE ELIMINATION SYSTEM (NPDES)
DISCHARG[illegible]NITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31

☑ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE (AREA CODE / NUMBER)	DATE YEAR	MO	DAY
3188722500	05	08	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME D[redacted]to Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT [redacted]ARGE ELIMINATION SYSTEM (NPDES)
DISCHARG[redacted]NITORING REPORT (DMR)

LA0066702	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31

☑ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

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TELEPHONE (AREA CODE NUMBER)	DATE YEAR	MO	DAY
3188722500	05	08	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE N[illegible] ADDRESS (Include Facility Name/Location if Different)
NAME Desoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTA[illegible]CHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	08	01	TO	05	08	31

☑ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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Pete Chreene
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 3188722500 (AREA CODE NUMBER)
DATE: 05 09 06 (YEAR MO DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Desoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	08	01	TO	05	08	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	05	09	06
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME Desoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	003

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	08	01	TO	05	08	31

☑ Check here if No Discharge

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
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O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Pete Chreene
Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3189722500	05	09	06
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME AND ADDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 896
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

LA0066702
PERMIT NUMBER

004
DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	08	01	TO	05	08	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
318	872-2500	05	09	06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NA[redacted]DDRESS (Include Facility Name/Location if Different)

NAME DeSoto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT [redacted]ARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	08	01	TO	05	08	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722503	05	09	06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME [redacted]to Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTA[redacted]CHARGE ELIMINATION SYSTEM (NPDES)
DISCHA[redacted]ONITORING REPORT (DMR)

LA0066702	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	09	01	TO	05	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	05	11	01
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME [redacted]otc Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUT[redacted]CHARGE ELIMINATION SYSTEM (NPDES)
DISCHA[redacted] MONITORING REPORT (DMR)

LA0066702 — PERMIT NUMBER
002 — DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	09	01	TO	05	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 318 NUMBER 8722500

DATE: 05 (YEAR) 11 (MO) 01 (DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME [redacted]to Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTA[redacted]CHARGE ELIMINATION SYSTEM (NPDES)
DISCHA[redacted]ONITORING REPORT (DMR)

LA0066702	003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	09	01	TO	05	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722500	05	11	01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME [redacted]oto Parish Police Jury

ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill

LOCATION Mansfield, LA 71052

NATIONAL POLLUTA[redacted]CHARGE ELIMINATION SYSTEM (NPDES)
DISCHA[redacted]ONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	004

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	09	01	TO	05	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 3188722500 (AREA CODE NUMBER)

DATE: 05 (YEAR) 11 (MO) 01 (DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME [redacted]to Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTAN[redacted]HARGE ELIMINATION SYSTEM (NPDES)
DISCHAR[redacted]ONITORING REPORT (DMR)

LA0066702	005
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	09	01	TO	05	09	30

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
AREA CODE NUMBER	YEAR	MO	DAY
3188722500	05	11	01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME [redacted]oto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTA[redacted]CHARGE ELIMINATION SYSTEM (NPDES)
DISCHA[redacted]ONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	10	01	TO	05	10	31

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	7.5	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	8.7	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE NUMBER 3188722500

DATE: YEAR 05 MO 11 DAY 01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME Soto Parish Police Jury
ADDRESS P. O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

DISCHARGE MONITORING REPORT (DMR)

LA0066702 — PERMIT NUMBER
002 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	10	01	TO	05	10	31

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	7.4	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	9.0	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE (AREA CODE NUMBER)	DATE YEAR	MO	DAY
3188722500	05	11	01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

© 1999 P3M Software Solutions

NAME DeSoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	003

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	10	01	TO	05	10	31

☐ Check here if No Discharge

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	7.6	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	11.5	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	05	11	01
AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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NAME DeSoto Parish Police Jury
ADDRESS P.O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: LA0066702
DISCHARGE NUMBER: 004

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	10	01	TO	05	10	31

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
pH	SAMPLE MEASUREMENT	******	******		******	******	7.3	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	7.7	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	<5.0	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 3188722500 (AREA CODE NUMBER)

DATE: 05 11 01 (YEAR MO DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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PERMITEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Sabine Parish Police Jury
ADDRESS P. O. Box 898
Mansfield, LA 71052

FACILITY Mundy Sanitary Landfill
LOCATION Mansfield, LA 71052

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	10	01	TO	05	10	31

☑ Check here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	******	******		******	******	--	(12)	0	1/30	Grab
00406 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	6.0	******	9.0	s.u.		1/30	Grab
TSS	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00530 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	50.0	mg/L		1/30	Grab
O & G	SAMPLE MEASUREMENT	******	******		******	******	--	(19)	0	1/30	Grab
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	******	******	**** ****	******	******	15.0	mg/L		1/30	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Pete Chreene
Solid Waste Superintendent

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
3188722500	05	11	01
AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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ANA-LAB CORP.
COMPLETE SERVICE LAB

Project 294281

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Results for Client DPML

Parameter	Results	Units	RL	Flags	CAS	Bottle
780376 001						Received: 10/05/2005
Liquid Aqueous Grab	Collected by: S Youngblood		Affiliation: Desoto Parish/Mundy		10/03/2005	1500
pH 7.46 by client						
EPA 160.2			Analyzed: LMB	10/06/2005	1335	QCgroup 158975
Total Suspended Solids	8.7	mg/L	1			01
EPA 1664 A			Analyzed: CGG	10/07/2005	1030	QCgroup 159133
Oil and Grease (HEM)	ND	mg/L	4			02
EPA 200.8			Analyzed: WOB	10/06/2005	1501	QCgroup 159058
Arsenic	ND	mg/L	0.00200		7440-38-2	05
Barium	0.0431	mg/L	0.00100		7440-39-3	05
Cadmium	ND	mg/L	0.00100		7440-43-9	05
Chromium	0.00106	mg/L	0.00100		7440-47-3	05
Lead	ND	mg/L	0.00100		7439-92-1	05
Selenium	ND	mg/L	0.00200		7782-49-2	05
Silver	ND	mg/L	0.00100		7440-22-4	05
EPA Method 245.1			Analyzed: WOB	10/07/2005	0807	QCgroup 159098
Mercury	ND	mg/L	0.000200		7439-97-6	08

The above methods that we used are approved for NPDES reporting as listed in40 CFR 136 Table 1B or Ana-Lab has specific approval from EPA to use this method under 40 CFR 136.

780377 002						Received: 10/05/2005
Liquid Aqueous Grab	Collected by: S Youngblood		Affiliation: Desoto Parish/Mundy		10/03/2005	1545
pH 7.40 by client						
EPA 160.2			Analyzed: LMB	10/06/2005	1335	QCgroup 158975
Total Suspended Solids	9.0	mg/L	1			01
EPA 1664 A			Analyzed: CGG	10/07/2005	1030	QCgroup 159133
Oil and Grease (HEM)	ND	mg/L	5			02
EPA 200.8			Analyzed: WOB	10/06/2005	1523	QCgroup 159058
Arsenic	0.00523	mg/L	0.00200		7440-38-2	05
Barium	0.0424	mg/L	0.00100		7440-39-3	05
Cadmium	ND	mg/L	0.00100		7440-43-9	05
Chromium	0.00187	mg/L	0.00100		7440-47-3	05
Lead	0.00117	mg/L	0.00100		7439-92-1	05
Selenium	0.00925	mg/L	0.00200		7782-49-2	05
Silver	ND	mg/L	0.00100		7440-22-4	05
EPA Method 245.1			Analyzed: WOB	10/07/2005	0807	QCgroup 159098
Mercury	ND	mg/L	0.000200		7439-97-6	06

The above methods that we used are approved for NPDES reporting as listed in40 CFR 136 Table 1B or Ana-Lab has specific approval from EPA to use this method under 40 CFR 136.

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Project 294281

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Results for Client DPML

Parameter	Results	Units	RL	Flags	CAS	Bottle
80378 003						Received: 10/05/2005
Liquid Aqueous Grab	Collected by: S Youngblood		Affiliation: Desoto Parish/Mundy		10/03/2005	1535
pH 7.56 by client						
EPA 160.2			Analyzed: LMB	10/06/2005	1335	QCgroup 158975
Total Suspended Solids	11.5	mg/L	1			01
EPA 1664 A			Analyzed: CGG	10/07/2005	1030	QCgroup 159133
Oil and Grease (HEM)	ND	mg/L	5			02
EPA 200.8			Analyzed: WOB	10/06/2005	1527	QCgroup 159058
Arsenic	0.00346	mg/L	0.00200		7440-38-2	05
Barium	0.0432	mg/L	0.00100		7440-39-3	05
Cadmium	ND	mg/L	0.00100		7440-43-9	05
Chromium	0.00132	mg/L	0.00100		7440-47-3	05
Lead	ND	mg/L	0.00100		7439-92-1	05
Selenium	0.00332	mg/L	0.00200		7782-49-2	05
Silver	ND	mg/L	0.00100		7440-22-4	05
EPA Method 245.1			Analyzed: WOB	10/07/2005	0807	QCgroup 159098
Mercury	ND	mg/L	0.000200		7439-97-6	06

The above methods that we used are approved for NPDES reporting as listed in40 CFR 136 Table 1B or Ana-Lab has specific approval from EPA to use this method under 40 CFR 136.

80379 004						Received: 10/05/2005
Liquid Aqueous Grab	Collected by: S Youngblood		Affiliation: Desoto Parish/Mundy		10/03/2005	1610
pH 7.25 by client						
EPA 160.2			Analyzed: LMB	10/06/2005	1335	QCgroup 158975
Total Suspended Solids	7.7	mg/L	1			01
EPA 1664 A			Analyzed: CGG	10/07/2005	1030	QCgroup 159133
Oil and Grease (HEM)	ND	mg/L	5			03
EPA 200.8			Analyzed: WOB	10/06/2005	1531	QCgroup 159058
Arsenic	0.00285	mg/L	0.00200		7440-38-2	05
Barium	0.0443	mg/L	0.00100		7440-39-3	05
Cadmium	ND	mg/L	0.00100		7440-43-9	05
Chromium	0.00113	mg/L	0.00100		7440-47-3	05
Lead	ND	mg/L	0.00100		7439-92-1	05
Selenium	ND	mg/L	0.00200		7782-49-2	05
Silver	ND	mg/L	0.00100		7440-22-4	05
EPA Method 245.1			Analyzed: WOB	10/07/2005	0807	QCgroup 159098
Mercury	ND	mg/L	0.000200		7439-97-6	06

The above methods that we used are approved for NPDES reporting as listed in40 CFR 136 Table 1B or Ana-Lab has specific approval from EPA to use this method under 40 CFR 136.

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Project 294281

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Sample Preparation

780376 001 Received: 10/05/2005

Bottle pH	<2	SU	Analyzed: AAJ	10/05/2005	2218	04	
TSS Set Started	FILTERED		Analyzed: LMB	10/06/2005	1227		
EPA 200.2							
Liquid - Metals Digestion	50/50 A/S/S	mL/mL	Analyzed: TES	10/06/2005	0830	QCgroup 04	158949
EPA 245.1							
Mercury Liquid Metals Digestion	50/25 A/S/S	mL/mL	Analyzed: TES	10/06/2005	1300	QCgroup 04	159007

780377 002 Received: 10/05/2005

Bottle pH	<2	SU	Analyzed: AAJ	10/05/2005	2218	04	
TSS Set Started	FILTERED		Analyzed: LMB	10/06/2005	1227		
EPA 200.2							
Liquid - Metals Digestion	50/50	mL/mL	Analyzed: TES	10/06/2005	0830	QCgroup 04	158949
EPA 245.1							
Mercury Liquid Metals Digestion	50/25	mL/mL	Analyzed: TES	10/06/2005	1300	QCgroup 04	159007

780378 003 Received: 10/05/2005

Bottle pH	<2	SU	Analyzed: AAJ	10/05/2005	2218	04	
TSS Set Started	FILTERED		Analyzed: LMB	10/06/2005	1227		
EPA 200.2							
Liquid - Metals Digestion	50/50	mL/mL	Analyzed: TES	10/06/2005	0830	QCgroup 04	158949
EPA 245.1							
Mercury Liquid Metals Digestion	50/25	mL/mL	Analyzed: TES	10/06/2005	1300	QCgroup 04	159007

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Project 294281

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Sample Preparation

780379 004

Received: 10/05/2005

Bottle pH	<2	SU	Analyzed: AAJ	10/05/2005	2218	04	
TSS Set Started	FILTERED		Analyzed: LMB	10/06/2005	1227		
EPA 200.2							
Liquid - Metals Digestion	50/50	mL/mL	Analyzed: TES	10/06/2005	0830	QCgroup 04	158949
EPA 245.1							
Mercury Liquid Metals Digestion	50/25	mL/mL	Analyzed: TES	10/06/2005	1300	QCgroup 04	159007

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Project 294281

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Qualifiers:

E - Estimated Value
B - Analyte detected in the associated method blank
! - Lab MDL > Target
J - Analyte detected below quantitation limit
S - Standard reads lower than desired
- ND in the results column is not detected above SQL

Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates Texas Department of Health Lead Firm Certificate 2110076, EPA National Lead Laboratory Accreditation Program #637.01, Texas Department of Agriculture Soil Import Permit S-37592, Texas Department of Health Drinking Water Laboratory Certificate TX219, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental Quality Laboratory Certificate8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification(NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water(NELAP) # LA030020, Delaware Health and Social Services (ODW) Drinking Water Approved, US Department of Energy Approved, Entidad Mexicana de Acreditacion, A.C. (EMA, in renewal as of [illegible]004) Agua Ag-014-003/03 and Fuentes Fijas, Residuos y Ambiente Laroral FRA-013-005/03, State of Kansas Department of Health and Environment Waste Water and Solid/Hazardous Waste Cert. E-10365, Alabama Department of Environmental Management Drinking Water #41540. Ana-Lab is also accredited to the international ISO-17025 standard by the American Association for Laboratory Accreditation (A2LA Certificate # 0637-01).

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.
RL is the Reporting Limit (sample specific quantitation limit) and is the adjusted Method Quantitiation Limit (MQLadj). The MQL is related to the low standard where applicable. CAS is Chemical Abstract Service number.

C. H. Whiteside

C. H. Whiteside, Ph.D., President

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Mansfield, LA 71052-

Project 294281

Quality Control

159058 M Liquid Aqueous EPA 200.8

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	Out	File
Arsenic	158949	ND	1.34	2.00	ug/L		0002325054
Barium	158949	0.670	0.561	1.00	ug/L		0002325054
Cadmium	158949	ND	0.111	1.00	ug/L		0002325054
Chromium	158949	ND	0.487	1.00	ug/L		0002325054
Lead	158949	ND	0.341	1.00	ug/L		0002325054
Selenium	158949	ND	1.65	2.00	ug/L		0002325054
Silver	158949	ND	0.306	1.00	ug/L		0002325054

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Arsenic	291	300	ug/L	97.0	90.0 - 110		0002325082
Arsenic	295	300	ug/L	98.3	90.0 - 110		0002325072
Arsenic	296	300	ug/L	98.7	90.0 - 110		0002325053
Arsenic	301	300	ug/L	100	90.0 - 110		0002325061
Arsenic	302	300	ug/L	101	90.0 - 110		0002325053
Barium	303	300	ug/L	101	90.0 - 110		0002325072
Barium	304	300	ug/L	101	90.0 - 110		0002325061
Barium	306	300	ug/L	102	90.0 - 110		0002325082
Barium	308	300	ug/L	103	90.0 - 110		0002325090
Cadmium	293	300	ug/L	97.7	90.0 - 110		0002325090
Cadmium	301	300	ug/L	100	90.0 - 110		0002325053
Cadmium	301	300	ug/L	100	90.0 - 110		0002325072
Cadmium	303	300	ug/L	101	90.0 - 110		0002325061
Cadmium	305	300	ug/L	102	90.0 - 110		0002325082
Chromium	295	300	ug/L	98.3	90.0 - 110		0002325072
Chromium	301	300	ug/L	100	90.0 - 110		0002325090
Chromium	304	300	ug/L	101	90.0 - 110		0002325061
Chromium	304	300	ug/L	101	90.0 - 110		0002325082
Chromium	312	300	ug/L	104	90.0 - 110		0002325053
Lead	293	300	ug/L	97.7	90.0 - 110		0002325082
Lead	295	300	ug/L	98.3	90.0 - 110		0002325072
Lead	298	300	ug/L	99.3	90.0 - 110		0002325061
Lead	300	300	ug/L	100	90.0 - 110		0002325053
Lead	300	300	ug/L	100	90.0 - 110		0002325090
Selenium	290	300	ug/L	96.7	90.0 - 110		0002325082
Selenium	295	300	ug/L	98.3	90.0 - 110		0002325072
Selenium	296	300	ug/L	98.7	90.0 - 110		0002325090
Selenium	297	300	ug/L	99.0	90.0 - 110		0002325053
Selenium	303	300	ug/L	101	90.0 - 110		0002325061

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Project 294281

Quality Control

159058 M Liquid Aqueous EPA 200.8

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Silver	294	300	ug/L	98.0	90.0 - 110		0002325090
Silver	298	300	ug/L	99.3	90.0 - 110		0002325072
Silver	300	300	ug/L	100	90.0 - 110		0002325053
Silver	303	300	ug/L	101	90.0 - 110		0002325061
Silver	304	300	ug/L	101	90.0 - 110		0002325082

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Arsenic	101	100	ug/L	101	90.0 - 110		0002325052
Barium	100	100	ug/L	100	90.0 - 110		0002325052
Cadmium	101	100	ug/L	101	90.0 - 110		0002325052
Chromium	99.0	100	ug/L	99.0	90.0 - 110		0002325052
Lead	100	100	ug/L	100	90.0 - 110		0002325052
[illegible]um	106	100	ug/L	106	90.0 - 110		0002325052
[illegible]	101	100	ug/L	101	90.0 - 110		0002325052

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Arsenic	158949	517	500	ug/L	103	85.0 - 115	0002325055	
Barium	158949	516	500	ug/L	103	85.0 - 115	0002325055	
Cadmium	158949	248	250	ug/L	99.2	85.0 - 115	0002325055	
Chromium	158949	539	500	ug/L	108	85.0 - 115	0002325055	
Lead	158949	528	500	ug/L	106	85.0 - 115	0002325055	
Selenium	158949	500	500	ug/L	100	85.0 - 115	0002325055	
Silver	158949	99.4	100	ug/L	99.4	85.0 - 115	0002325055	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Arsenic	158949	517	514	500	85.0 - 115	103	103	ug/L	0	14.0
Barium	158949	516	504	500	85.0 - 115	103	101	ug/L	1.96	14.0
Cadmium	158949	248	250	250	85.0 - 115	99.2	100	ug/L	0.803	14.0
Chromium	158949	539	539	500	85.0 - 115	108	108	ug/L	0	14.0
Lead	158949	528	516	500	85.0 - 115	106	103	ug/L	2.87	14.0
Selenium	158949	500	508	500	85.0 - 115	100	102	ug/L	1.98	14.0
Silver	158949	99.4	100	100	85.0 - 115	99.4	100	ug/L	0.602	14.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic	780219	531	537	1.94	500	70.0 - 130	106	107	ug/L	0.939	30.0
Barium	780219	803	835	313	500	70.0 - 130	98.0	104	ug/L	5.94	30.0
Cadmium	780219	253	259	0.250	250	70.0 - 130	101	104	ug/L	2.93	30.0

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ANA-LAB CORP. THE COMPLETE SERVICE LAB

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Project 294281

Quality Control

159058 M Liquid Aqueous EPA 200.8

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chromium	780219	533	581	21.3	500	70.0 - 130	102	112	ug/L	9.35	30.0
Lead	780219	498	518	1.18	500	70.0 - 130	99.4	103	ug/L	3.56	30.0
Selenium	780219	514	523	ND	500	70.0 - 130	103	105	ug/L	1.92	30.0
Silver	780219	101	103	2.21	100	70.0 - 130	98.8	101	ug/L	2.20	30.0
Arsenic	780376	528	534	1.87	500	70.0 - 130	105	106	ug/L	0.948	30.0
Barium	780376	567	543	43.1	500	70.0 - 130	105	100	ug/L	4.88	30.0
Cadmium	780376	256	250	ND	250	70.0 - 130	102	100	ug/L	1.98	30.0
Chromium	780376	549	508	1.06	500	70.0 - 130	110	101	ug/L	8.53	30.0
Lead	780376	521	510	ND	500	70.0 - 130	104	102	ug/L	1.94	30.0
Selenium	780376	510	524	ND	500	70.0 - 130	102	105	ug/L	2.90	30.0
Silver	780376	102	98.7	ND	100	70.0 - 130	102	98.7	ug/L	3.29	30.0

159098 M Liquid Aqueous EPA Method 245.1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	Out	File
Mercury	159007	ND	0.0656	0.100	ug/L		0002325847

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Mercury	4.67	5.00	ug/L	93.4	90.0 - 110		0002325871
Mercury	4.70	5.00	ug/L	94.0	90.0 - 110		0002325857
Mercury	4.79	5.00	ug/L	95.8	90.0 - 110		0002325868
Mercury	4.82	5.00	ug/L	96.4	90.0 - 110		0002325846

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Mercury	4.98	5.00	ug/L	99.6	90.0 - 110		0002325845

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Mercury	159007	4.79	5.00	ug/L	95.8	85.0 - 109	0002325848	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury	159007	4.79	4.71	5.00	85.0 - 109	95.8	94.2	ug/L	1.68	20.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury	780219	4.94	4.84	0.267	5.00	70.0 - 130	93.5	91.5	ug/L	2.16	14.0
Mercury	780376	4.65	4.63	ND	5.00	70.0 - 130	93.0	92.6	ug/L	0.431	14.0

Ana-Lab Corporate Laboratory P.O. Box 9000 Kilgore, TX 75662
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com NELAP-accredited #02008

ANA-LAB CORP.
THE COMPLETE SERVICE LAB

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Project # 294281

Quality Control

158975 W Liquid Aqueous EPA 160.2

Blank

Parameter	Type	Result	Unit
Total Suspended Solids	Blank	0.0000	grams

Duplicate

Parameter	Sample	Type	Result	Duplicate	Unit	RPD	Limit%
Total Suspended Solids	780352	Duplicate	14.0	16.0	mg/L	13.3	25
Total Suspended Solids	780286	Duplicate	5850	5550	mg/L	5.26	25
Total Suspended Solids	780349	Duplicate	80.0	76.0	mg/L	5.13	25

LCS

Parameter		Type	Result	Known	Unit	Recover%	
Total Suspended Solids	W10870	LCS	47.0	50	mg/L	94.0	75 - 125

Standard

Parameter	Type	Result	Known	Unit	Recover%	Limits%
Total Suspended Solids	Standard	98.0	100	mg/L	98.0	90 - 110

159133 W Liquid Aqueous EPA 1664 A

Blank

Parameter	Type	Result	Unit
Oil and Grease (HEM)	Blank	0.00020	grams

LCS

Parameter		Type	Result	Known	Unit	Recover%	
Oil and Grease (HEM)	W10800	LCS	37.2	40	mg/L	93.0	75 - 125
Oil and Grease (HEM)	W10800	LCS	40.6	40	mg/L	102	75 - 125

Mat. Spike

Parameter		Type	Reading	Known	Unit	Recover%
Oil and Grease (HEM)	780377	Mat. Spike	0.0395	0.040	mg/L	98.8

RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100%

Recover% is Recovery Percent: result / known * 100%

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Ark-La-Miss Region 3100 Knight Street #2 -- Shreveport, LA 71105
318/219-9300 FAX 318/219-8300

Project Chain of Custody

Liquid Aqueous 02/08/2005 Page 1 of 2

Report To: **DPML** 101 Stormwater Outfalls

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Sherman Youngblood
Phone: 318/822-2500 Fax: 318/872-2541

Bottles Required for Requested Tests

4 *Plastic 1/2 gal (White)
4 C: TSS TSSS

8 *H2SO4 to pH <2 Glot w/Tef-lined lid-2
4 C: HEM

_____ Z1-Adminstrative use only no bottle required
pHB

4 *HNO3 to pH <2 plastic 500 mL for Metals
*AgM *AsM *BaM *CdM *CrM *Hg *PbM *SeM 301L 747L

Requested Laboratory Tests

Silver	*AgM	M	EPA Method 200.8
Arsenic	*AsM	M	EPA Method 200.8
Barium	*BaM	M	EPA Method 200.8
Cadmium	*CdM	M	EPA Method 200.8
Chromium	*CrM	M	EPA Method 200.8
Mercury	*Hg	M	EPA Method 245.1
Lead	*PbM	M	EPA Method 200.8
Selenium	*SeM	M	EPA Method 200.8
Liquid - Metals Digestion	301L	M	EPA 200.2
Mercury Liquid Metals Digestio	747L	M	EPA 245.1
Oil and Grease (HEM)	HEM	W	EPA Method 1664 A
Total Suspended Solids	TSS	W	EPA Method 160.2
TSS Set Started	TSSS	W	
Bottle pH	pHB	A	

Ana-Lab #	Sample ID		Bottles	Date	Time	Tech	Notes
78-376	001#		4	10/3/05	3:00 PM		
78-377	002#		4	10/3/05	3:45		
78-378	003#		4	10/3/05	3:35		
78-379	004#		4	10/3/05	4:10		

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Ark-La-Miss Region
3100 Knight Street #2 – Shreveport, LA 71105
318/219-9300 FAX 318/219-8300

Project Chain of Custody

Liquid Aqueous 02/08/2005 Page 2 of 2

Report To: DPML 101 Stormwater Outfalls

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Sherman Youngblood
Phone: 318/822-2500 Fax: 318/872-2541

Ana-Lab #	Sample ID	Bottles	Date	Time	Tech	Notes

Relinquished by	Date	Time	Received by	Date	Time
Sherman Youngblood	10-5-05	1:11	[illegible]	10/5/05	1:11
[illegible]	10/5/05	1500	Accelerated		
Accelerated	10/5/05	1645	[illegible]	10/5/05	1645
			Christi Parker Ana-Lab		

Received on Ice? ☐ Yes ☐ No Method of Shipment: ☐ UPS ☐ FedEx ☐ Lone Star ☐ Hand ☐ Airborne ☐ Other
Cooler/Sample Secure? ☐ Yes ☐ No Tracking or Shipping Number:

12

780376

OUTFALL # 001
PH RESULTS 7.46
DATE 10-3-05

SAMPLING INFORMATION SHEET

OUTFALL # 001 DATE 10-3-05
TIME 3:00 pm

SAMPLE CAUGHT BY Sherman Youngblood
TITLE Assist Superideadent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Assist Superidendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 24 c
Sample Temperture 25 c
Testing Time 3:00 a.m. (p.m)
Smaple Results 7.46 pH
Meter calibration tested after analysis (Y) or N Results 7.46 pH
Approved Sherman Youngblood
Title Assist Superidendent

78377

OUTFALL # 002
PH RESULTS 7.40
DATE 10/3/05

SAMPLING INFORMATION SHEET

OUTFALL # 002 DATE 10/3/05
TIME 3:15 pm

SAMPLE CAUGHT BY Sherman Youngblood
TITLE Assist Superidendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Assist Superidendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 24 C
Sample Temperture 25 C
Testing Time 3:15 a.m. (p.m).
Smaple Results 7.40 pH
Meter calibration tested after analysis (Y) or N Results 7.40 pH
Approved Sherman Youngblood
Title Assist Superidendent

71°378

OUTFALL # 003
pH RESULTS 7.66
DATE 10/3/05

SAMPLING INFORMATION SHEET

OUTFALL # 003
DATE 10/3/05
TIME 3:35 pm

SAMPLE CAUGHT BY Sherman youngblood
TITLE Assist Superidendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Assist superidendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 24 C
Sample Temperture 25 C
Testing Time 3:35 a.m. (p.m.)
Smaple Results 7.56 pH
Meter calibration tested after analysis (Y) or N Results 7.56 pH
Approved Sherman youngblood
Title Assist superidendent

710379

OUTFALL # 004
PH RESULTS 7.25
DATE 10-3-05

SAMPLING INFORMATION SHEET

OUTFALL # 004 DATE 10-3-05
TIME 4:10 pm

SAMPLE CAUGHT BY Sherman youngblood
TITLE Assist superidendent

PH TESTING INFORMATION

Tested by Sherman youngblood Title Assist superidendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 24 C
Sample Temperture 25 C
Testing Time (4:10) a.m. (p.m.)
Smaple Results 7.25 pH
Meter calibration tested after analysis (Y) or N Results 7.25 pH
Approved Sherman youngblood
Title Assist superidendent

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Desoto Parish Police Jury
ADDRESS 2712 Hwy 84 E.
Mansfield, LA 71055

FACILITY Mundy Landfill
LOCATION 2712 Hwy. 84 E Mansfield, LA 71055

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DISCHARGE WATERWATER FROM TREATED GROUNDWATER REMEDIATION SYSTEM

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
LA0066702	001

MONITORING PERIOD						
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	05	12	01		05	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Flow	SAMPLE MEASUREMENT			MGD							Est
	PERMIT REQUIREMENT	Report	Report							Daily	Estimate
COD	SAMPLE MEASUREMENT						NAC		—	—	—
	PERMIT REQUIREMENT						125	Mg/L		1/week	Grab
BOD	SAMPLE MEASUREMENT						NAC		—	—	—
	PERMIT REQUIREMENT						30	Mg/L		1/week	Grab
TSS	SAMPLE MEASUREMENT						31.0		0	1/31	Grab
	PERMIT REQUIREMENT						50	Mg/L		1/week	Grab
Oil & Grease	SAMPLE MEASUREMENT						<5		0	1/31	Grab
	PERMIT REQUIREMENT						15	Mg/L		1/week	Grab
TDS	SAMPLE MEASUREMENT						NAC		—	—	—
	PERMIT REQUIREMENT						Report	Mg/L		1/month	Grab
pH	SAMPLE MEASUREMENT				7.5		7.5	s.u.	0	1/31	Grab
	PERMIT REQUIREMENT				6.0		9.0			1/week	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PREPARED BY ANA-LAB CORP. P.O. BOX 9000 Kilgore, TX 75662
NAC - No Analysis Conducted

Computer Reproduction EPA Form 3320-1

PMI 1-dmr 06

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DISCHARGE WATERWATER FROM TREATED GROUNDWATER REMEDIATION SYSTEM

NAME Desoto Parish Police Jury
ADDRESS 2712 Hwy 84 E.
Mansfield, LA 71055

FACILITY Mundy Landfill
LOCATION 2712 Hwy. 84 E Mansfield, LA 71055

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
LA0066702	002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	12	01	TO	05	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Flow	SAMPLE MEASUREMENT			MGD							Est.
	PERMIT REQUIREMENT	Report	Report							Daily	Estimate
COD	SAMPLE MEASUREMENT						NAC		—	—	—
	PERMIT REQUIREMENT						100	Mg/L		1/month	Grab
Oil & Grease	SAMPLE MEASUREMENT						< 5		0	1/31	Grab
	PERMIT REQUIREMENT						15	Mg/L		1/month	Grab
TSS	SAMPLE MEASUREMENT						28.0		0	1/31	Grab
	PERMIT REQUIREMENT						50	Mg/L		1/month	Grab
pH	SAMPLE MEASUREMENT				7.3		7.3	s.u.	0	1/31	Grab
	PERMIT REQUIREMENT				6.0		9.0			1/month	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		TELEPHONE		DATE		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) *PREPARED BY ANA-LAB CORP. P.O. BOX 9000 Kilgore, TX 75662*
NAC - No Analysis conducted

Computer Reproduction EPA Form 3320-1

DPM1 2 ..dmr 06

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Desoto Parish Police Jury
ADDRESS 2712 Hwy 84 E.
Mansfield, LA 71055

FACILITY Mundy Landfill
LOCATION 2712 Hwy. 84 E Mansfield, LA 71055

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DISCHARGE WATERWATER FROM TREATED GROUNDWATER REMEDIATION SYSTEM

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
LA0066702	003

MONITORING PERIOD						
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	05 (20-21)	12 (22-23)	01 (24-25)		05 (26-27)	12 (28-29)	31 (30-31)

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Flow	SAMPLE MEASUREMENT			MGD							
	PERMIT REQUIREMENT	Report	Report							Daily	Estimate
COD	SAMPLE MEASUREMENT						NAC		—	—	—
	PERMIT REQUIREMENT						100	Mg/L		1/month	Grab
Oil & Grease	SAMPLE MEASUREMENT						<5		0	1/mth	Grab
	PERMIT REQUIREMENT						15	Mg/L		1/month	Grab
TSS	SAMPLE MEASUREMENT						28.0		0	1/mth	Grab
	PERMIT REQUIREMENT						50	Mg/L		1/month	Grab
pH	SAMPLE MEASUREMENT				7.4		7.4	s.u.	0	1/mth	Grab
	PERMIT REQUIREMENT				6.0		9.0			1/month	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PREPARED BY ANA-LAB CORP. P.O. BOX 9000 Kilgore, TX 75662

NAC - No Analysis Conducted

Computer Reproduction EPA Form 3320-1

PMI..3.-dmr.06

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Desoto Parish Police Jury
ADDRESS 2712 Hwy 84 E.
Mansfield, LA 71055

FACILITY Mundy Landfill
LOCATION 2712 Hwy. 84 E Mansfield, LA 71055

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DISCHARGE WATERWATER FROM TREATED GROUNDWATER REMEDIATION SYSTEM

(2-16)	*(17-19)*
LA0066702	004
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	05	12	01		05	12	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read Instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING			*(4 Card Only)* QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		(46-53) AVERAGE	*(54-61)* MAXIMUM	UNITS	*(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(62-63)*	*(64-68)*	*(69-70)*
Flow	SAMPLE MEASUREMENT			MGD							Est.
	PERMIT REQUIREMENT	Report	Report							Daily	Estimate
COD	SAMPLE MEASUREMENT						NAC		—	—	—
	PERMIT REQUIREMENT						100	Mg/L		1/month	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)* ***PREPARED BY ANA-LAB CORP. P.O. BOX 9000 Kilgore, TX 75662***

NAC - No Analysis Conducted

Computer Reproduction EPA Form 3320-1

PMI .4.-dmr.06

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Desoto Parish Police Jury
ADDRESS 2712 Hwy 84 E.
Mansfield, LA 71055

FACILITY Mundy Landfill
LOCATION 2712 Hwy. 84 E Mansfield, LA 71055

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

DISCHARGE WATERWATER FROM TREATED GROUNDWATER REMEDIATION SYSTEM

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
LA0066702	005

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	10	01	TO	05	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

No Discharge ☑

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Flow	SAMPLE MEASUREMENT			MGD							
	PERMIT REQUIREMENT	Report	Report							Daily	Estimate
COD	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT						100	Mg/L		1/quarter	Grab
Oil & Grease	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT						15	Mg/L		1/quarter	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

No Discharge

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)* *PREPARED BY ANA-LAB CORP. P.O. BOX 9000 Kilgore, TX 75662*

Computer Reproduction EPA Form 3320-1

PML.5.-dmr.06

Ana-Lab Corporate Laboratory P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com NELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Project [redacted]

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Results for Client DPML

Parameter	Results	Units	RL	Flags	CAS	Batch
794996 001#						Received: 12/15/2005
Liquid Aqueous Grab	Collected by: Client		Affiliation:	Desoto Parish/Mundy	12/15/2005	0910
pH 7.47 @ 0910, 12/15/05 Temp 12 C by client						
EPA 160.2			Analyzed: LMB	12/20/2005	1009	QCgroup 166662
Total Suspended Solids	31.0	mg/L	2			01
EPA 1664 A			Analyzed: CGG	12/20/2005	1320	QCgroup 166691
Oil and Grease (HEM)	ND	mg/L	5			03
EPA 200.8			Analyzed: WOB	12/16/2005	1546	QCgroup 166474
Arsenic	0.00211	mg/L	0.00200		7440-38-2	05
Barium	0.0524	mg/L	0.00100		7440-39-3	05
Cadmium	ND	mg/L	0.00100		7440-43-9	05
Chromium	0.00216	mg/L	0.00100		7440-47-3	05
Lead	ND	mg/L	0.00100		7439-92-1	05
Selenium	ND	mg/L	0.00200		7782-49-2	05
Silver	ND	mg/L	0.00100		7440-22-4	05
EPA Method 245.1			Analyzed: WOB	12/16/2005	1148	QCgroup 166415
Mercury	ND	mg/L	0.000200		7439-97-6	06

The above methods that we used are approved for NPDES reporting as listed in40 CFR 136 Table 1B or Ana-Lab has specific approval from EPA to use this method under 40 CFR 136.

Parameter	Results	Units	RL	Flags	CAS	Batch
794997 002#						Received: 12/15/2005
Liquid Aqueous Grab	Collected by: Client		Affiliation:	Desoto Parish/Mundy	12/15/2005	0925
pH 7.30 @ 0925, 12/15/05 Temp 12 C by client						
EPA 160.2			Analyzed: LMB	12/20/2005	1009	QCgroup 166662
Total Suspended Solids	28.0	mg/L	2			01
EPA 1664 A			Analyzed: CGG	12/20/2005	1320	QCgroup 166691
Oil and Grease (HEM)	ND	mg/L	5			03
EPA 200.8			Analyzed: WOB	12/16/2005	1552	QCgroup 166474
Arsenic	ND	mg/L	0.00200		7440-38-2	05
Barium	0.0527	mg/L	0.00100		7440-39-3	05
Cadmium	ND	mg/L	0.00100		7440-43-9	05
Chromium	0.00198	mg/L	0.00100		7440-47-3	05
Lead	ND	mg/L	0.00100		7439-92-1	05
Selenium	ND	mg/L	0.00200		7782-49-2	05
Silver	ND	mg/L	0.00100		7440-22-4	05
EPA Method 245.1			Analyzed: WOB	12/16/2005	1148	QCgroup 166415
Mercury	ND	mg/L	0.000200		7439-97-6	06

The above methods that we used are approved for NPDES reporting as listed in40 CFR 136 Table 1B or Ana-Lab has specific approval from EPA to use this method under 40 CFR 136.

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THE COMPLETE SERVICE LAB

Project [redacted]

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Results for Client DPML

Parameter	Results	Units	RL	Flags	CAS	Bottle
794998 003#						Received: 12/15/2005
Liquid Aqueous Grab	Collected by: Client		Affiliation: Desoto Parish/Mundy			12/15/2005 0940
pH 7.35 @ 0940, 12/15/05 Temp: 23 C by client						
EPA 160.2			Analyzed: LMB	12/20/2005	1009	QCgroup 166662
Total Suspended Solids	28.0	mg/L	2			01
EPA 1664 A			Analyzed: CGG	12/20/2005	1320	QCgroup 166691
Oil and Grease (HEM)	ND	mg/L	5			03
EPA 200.8			Analyzed: WOB	12/16/2005	1556	QCgroup 166474
Arsenic	ND	mg/L	0.00200		7440-38-2	05
Barium	0.0525	mg/L	0.00100		7440-39-3	05
Cadmium	ND	mg/L	0.00100		7440-43-9	05
Chromium	0.00207	mg/L	0.00100		7440-47-3	05
Lead	ND	mg/L	0.00100		7439-92-1	05
Selenium	ND	mg/L	0.00200		7782-49-2	05
Silver	ND	mg/L	0.00100		7440-22-4	05
EPA Method 245.1			Analyzed: WOB	12/16/2005	1148	QCgroup 166415
Mercury	ND	mg/L	0.000200		7439-97-6	06

The above methods that we used are approved for NPDES reporting as listed in40 CFR 136 Table 1B or Ana-Lab has specific approval from EPA to use this method under 40 CFR 136.

794999 004#						Received: 12/15/2005
Liquid Aqueous Grab	Collected by: Client		Affiliation: Desoto Parish/Mundy			12/15/2005 1015
pH 7.43 @ 1015, 12/15/05 Temp: 12 C by client						
EPA 160.2			Analyzed: LMB	12/20/2005	1009	QCgroup 166662
Total Suspended Solids	27.0	mg/L	2			01
EPA 1664 A			Analyzed: CGG	12/20/2005	1320	QCgroup 166691
Oil and Grease (HEM)	ND	mg/L	4			02
EPA 200.8			Analyzed: WOB	12/16/2005	1600	QCgroup 166474
Arsenic	ND	mg/L	0.00200		7440-38-2	05
Barium	0.0535	mg/L	0.00100		7440-39-3	05
Cadmium	ND	mg/L	0.00100		7440-43-9	05
Chromium	0.00232	mg/L	0.00100		7440-47-3	05
Lead	ND	mg/L	0.00100		7439-92-1	05
Selenium	ND	mg/L	0.00200		7782-49-2	05
Silver	ND	mg/L	0.00100		7440-22-4	05
EPA Method 245.1			Analyzed: WOB	12/16/2005	1148	QCgroup 166415
Mercury	ND	mg/L	0.000200		7439-97-6	06

The above methods that we used are approved for NPDES reporting as listed in40 CFR 136 Table 1B or Ana-Lab has specific approval from EPA to use this method under 40 CFR 136.

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Project [redacted]

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Sample Preparation

794996 001# Received: 12/15/2005

			Analyzed: AAJ	12/15/2005	2110		
Bottle pH	<2	SU				04	
			Analyzed: LMB	12/20/2005	0934		
TSS Set Started	FILTERED						
EPA 200.2			Analyzed: TES	12/16/2005	0945	QCgroup	166361
Liquid - Metals Digestion	50/50	mL/mL				04	
EPA 245.1			Analyzed: PJD	12/16/2005	0830	QCgroup	166365
Mercury Liquid Metals Digestion	50/25	mL/mL				04	

794997 002# Received: 12/15/2005

			Analyzed: AAJ	12/15/2005	2110		
Bottle pH	<2	SU				04	
			Analyzed: LMB	12/20/2005	0934		
TSS Set Started	FILTERED						
EPA 200.2			Analyzed: TES	12/16/2005	0945	QCgroup	166361
Liquid - Metals Digestion	50/50	mL/mL				04	
EPA 245.1			Analyzed: PJD	12/16/2005	0830	QCgroup	166365
Mercury Liquid Metals Digestion	50/25	mL/mL				04	

794998 003# Received: 12/15/2005

			Analyzed: AAJ	12/15/2005	2110		
Bottle pH	<2	SU				04	
			Analyzed: LMB	12/20/2005	0934		
TSS Set Started	FILTERED						
EPA 200.2			Analyzed: TES	12/16/2005	0945	QCgroup	166361
Liquid - Metals Digestion	50/50	mL/mL				04	
EPA 245.1			Analyzed: PJD	12/16/2005	0830	QCgroup	166365
Mercury Liquid Metals Digestion	50/25	mL/mL				04	

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THE COMPLETE SERVICE LAB

Project [redacted]

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Sample Preparation

794999 004# Received: 12/15/2005

Bottle pH	<2	SU	Analyzed: AAJ	12/15/2005	2110	04	
TSS Set Started	FILTERED		Analyzed: LMB	12/20/2005	0934		
EPA 200.2							
Liquid - Metals Digestion	50/50	mL/mL	Analyzed: TES	12/16/2005	0945	QCgroup 04	166361
EPA 245.1							
Mercury Liquid Metals Digestion	50/25 A/SS	mL/mL	Analyzed: PJD	12/16/2005	0830	QCgroup 04	166365

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THE COMPLETE SERVICE LAB

Project [redacted]

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Qualifiers:

E - Estimated Value
B - Analyte detected in the associated method blank
! - Lab MDL > Target
J - Analyte detected below quantitation limit
S - Standard reads lower than desired
- ND in the results column is not detected above SQL

Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, EPA National Lead Laboratory Accreditation Program #637.01, Texas Department of Agriculture Soil Import Permit S-37592, Texas Department of Health Drinking Water Laboratory Certificate TX219, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental Quality Laboratory Certificate8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification(NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water(NELAP) # LA030020, Delaware Health and Social Services (ODW) Drinking Water Approved, US Department of Energy Approved, Entidad Mexicana de Acreditacion, A.C. (EMA, in renewal as of 6/18/2004) Agua Ag-014-003/03 and Fuentes Fijas, Residuos y Ambiente Laroral FRA-013-005/02, State of Kansas Department of Health and Environment Waste Water and Solid/Hazardous Waste Cert. E-10365, Alabama Department of Environmental Management Drinking Water #41540. Ana-Lab is also accredited to the international ISO-17025 standard by the American Association for Laboratory Accreditation (A2LA Certificate # 0637-01).

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC. RL is the Reporting Limit (sample specific quantitation limit) and is the adjusted Method Quantitiation Limit(MQLadj). The MQL is related to the low standard where applicable. CAS is Chemical Abstract Service number.

C. H. Whiteside

C. H. Whiteside, Ph.D., President

ANA-LAB CORP. THE COMPLETE SERVICE LAB
Ark-La-Miss Region
3100 Knight Street #2 – Shreveport, LA 71105
318/219-6300 FAX 318/219-6300

Project Chain of Custody

Liquid Aqueous 02/09/2005 Page 1 of 2

Report To: DPML 101 Stormwater Outfalls

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Shayman Youngblood
Phone: 318/872-2500 Fax: 318/872-2541

Bottles Required for Requested Tests

4 *Plastic 1/2 gal (White)
4 C: TSS TSSS

8 *H2SO4 to pH <2 01Qt w/Tef-lined lid-2
4 C: HEM

_____ z1-Administrative use only: no bottle required
pHD

4 *HNO3 to pH <2 plastic 500 ml for Metals
*AgM *AsM *BaM *CdM *CrM *Hg *PbM *SeM 301L 747L

Requested Laboratory Tests			
Silver	*AgM	M	EPA Method 200.8
Arsenic	*AsM	M	EPA Method 200.8
Barium	*BaM	M	EPA Method 200.8
Cadmium	*CdM	M	EPA Method 200.8
Chromium	*CrM	M	EPA Method 200.8
Mercury	*Hg	M	EPA Method 245.1
Lead	*PbM	M	EPA Method 200.8
Selenium	*SeM	M	EPA Method 200.8
Liquid - Metals Digestion	301L	M	EPA 200.2
Mercury Liquid Metals Digestio	747L	M	EPA 245.1
Oil and Grease (HEM)	HEM	W	EPA Method 1664 A
Total Suspended Solids	TSS	W	EPA Method 160.2
TSS Set Started	TSSS	W	
Bottle pH	pHS	A	

Ana-Lab #	Sample ID	Bottles	Date	Time	Tech	Notes
794466	001	4	12/15/05	9:10 AM		
794467	002	4	12/15/05	9:35 AM		
794468	003	4	12/15/05	9:40 AM		
794469	004	4	12/15/05	10:15 AM		

Ark-La-Miss Region
3100 Knight Street #2 – Shreveport, LA 71105
318/219-9300 FAX 318/219-6300

Project Chain of Custody

Liquid Aqueous 02/08/2005 Page 2 of 2

Report To: DPML 101 Stormwater Outfalls

Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-
Attention: Sherman Youngblood
Phone: 318/822-2500 Fax: 318/872-2541

Ana-Lab #	Sample ID	Bottles	Date	Time	Tech	Notes

Relinquished by	Date	Time	Received by	Date	Time
Sherman Youngblood	12/5/05	1215	[illegible]	12/5/05	1215
[illegible]	12/5/05	500	Accelerated		
Accelerated	12/5/05	1645	[illegible]	12/5/05	1645

Received on Ice? ☑ Yes ☐ No Method of Shipment: ☐ UPS ☐ FedEx ☐ Lone Star ☐ Hand ☐ Airborne ☑ Other
Cooler/Sample Secure? ☑ Yes ☐ No Tracking or Shipping Number:

1°C

OUTFALL # 001
PH RESULTS 7.47
DATE 12/15/06

754936

SAMPLING INFORMATION SHEET

OUTFALL # 001
DATE 12/15/05
TIME 9:05

SAMPLE CAUGHT BY Sherman YoungBlood
TITLE Assist Superidendent

PH TESTING INFORMATION

Tested by Sherman YoungBlood Title Assist Superidendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To PH Buffer 4 (Y) 10
Buffer Temperature 23 C
Sample Temperture 12 C
Testing Time 9:10 (a.m.) p.m.
Smaple Results 7.47 PH
Meter calibration tested after analysis (Y) or N Results 7.47 PH
Approved Sherman YoungBlood
Title Assist Superintendent

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754947

OUTFALL # 002
PH RESULTS 7.30
DATE 12/15/05

SAMPLING INFORMATION SHEET

OUTFALL # 002 DATE 12/15/05
TIME 9:21

SAMPLE CAUGHT BY Sherman Youngblood
TITLE Assist Superintendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Assist Superintendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To pH Buffer 4 (7) 10
Buffer Temperature 22 C
Sample Temperture 12 C
Testing Time 9:25 (a.m.) p.m.
Smaple Results 7.30 pH
Meter calibration tested after analysis (Y) or N Results 7.30 pH
Approved Sherman Youngblood
Title Assist Superintendent

754959

OUTFALL # 003
PH RESULTS 7.35
DATE 12/15/05

SAMPLING INFORMATION SHEET

OUTFALL # 003 DATE 12/15/05
TIME 9:35

SAMPLE CAUGHT BY Sherman YoungBlood
TITLE Assist Superitendent

PH TESTING INFORMATION

Tested by Sherman YoungBlood Title Assist Superitendent
Testing equipment neutralized in Distilled Water Y or N
Meter Calibrated Y or N To PH Buffer 4 Y 10
Buffer Temperature 12 C
Sample Temperture 23 C
Testing Time 9:40 a.m. p.m.
Sample Results 7.35 PH
Meter calibration tested after analysis Y or N Results 7.35 ph
Approved Sherman YoungBlood
Title Assist Superitendent

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764999

OUTFALL # 004
PH RESULTS 7.43
DATE 12/15/05

SAMPLING INFORMATION SHEET

OUTFALL # 004 DATE 12/15/05
TIME 10:10

SAMPLE CAUGHT BY Sherman YoungBlood
TITLE Assist Superitendent

PH TESTING INFORMATION

Tested by Sherman YoungBlood Title Assist Superitendent
Testing equipment neutralized in Distilled Water (Y) or N
Meter Calibrated (Y) or N To ph Buffer 4 (7) 10
Buffer Temperature 23 C
Sample Temperture 12 C
Testing Time 10:15 (a.m.) p.m.
Sample Results 7.43 pH
Meter calibration tested after analysis Y or N Results 7.43 pH
Approved Sherman YoungBlood
Title Assist Superitendent

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ANA-LAB CORP. THE COMPLETE SERVICE LAB

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Project [redacted]

Quality Control

166438 M Liquid Aqueous EPA Method 245.1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units		Out	File
Mercury	166365	ND	0.0201	0.100	ug/L			0002431502

CCV

Parameter		Reading	Known	Units	Recover%	Limits%	Out	File
Mercury		4.97	5.00	ug/L	99.4	90.0 - 110		0002431512
Mercury		5.11	5.00	ug/L	102	90.0 - 110		0002431501
Mercury		5.11	5.00	ug/L	102	90.0 - 110		0002431521

ICV

Parameter		Reading	Known	Units	Recover%	Limits%	Out	File
Mercury		4.96	5.00	ug/L	99.2	90.0 - 110		0002431500

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Mercury	166365	5.12	5.00	ug/L	102	90.9 - 110	0002431503	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury	166365	5.12	5.25	5.00	90.9 - 110	102	105	ug/L	2.90	20.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury	794840	5.12	5.22	0.0550	5.00	70.0 - 130	101	103	ug/L	1.96	14.0
Mercury	794969	5.06	5.04	ND	5.00	70.0 - 130	101	101	ug/L	0	14.0

166474 M Liquid Aqueous EPA 200.8

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units		Out	File
Arsenic	166361	ND	1.34	2.00	ug/L			0002432253
Barium	166361	1.00	0.561	1.00	ug/L			0002432253
Cadmium	166361	ND	0.111	1.00	ug/L			0002432253
Chromium	166361	ND	0.487	1.00	ug/L			0002432253
Lead	166361	ND	0.341	1.00	ug/L			0002432253
Selenium	166361	ND	1.65	2.00	ug/L			0002432253
Silver	166361	ND	0.306	1.00	ug/L			0002432253

CCV

Parameter		Reading	Known	Units	Recover%	Limits%	Out	File
Arsenic		306	300	ug/L	102	90.0 - 110		0002432244
Arsenic		313	300	ug/L	104	90.0 - 110		0002432245
Arsenic		314	300	ug/L	105	90.0 - 110		0002432284

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THE COMPLETE SERVICE LAB

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Project

Quality Control

166474 M Liquid Aqueous EPA 200.8

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Arsenic	316	300	ug/L	105	90.0 - 110		0002432275
Arsenic	319	300	ug/L	106	90.0 - 110		0002432264
Arsenic	321	300	ug/L	107	90.0 - 110		0002432255
Barium	292	300	ug/L	97.3	90.0 - 110		0002432275
Barium	293	300	ug/L	97.7	90.0 - 110		0002432264
Barium	296	300	ug/L	98.7	90.0 - 110		0002432284
Barium	297	300	ug/L	99.0	90.0 - 110		0002432244
Barium	297	300	ug/L	99.0	90.0 - 110		0002432245
Barium	298	300	ug/L	99.3	90.0 - 110		0002432255
Cadmium	293	300	ug/L	97.7	90.0 - 110		0002432255
Cadmium	294	300	ug/L	98.0	90.0 - 110		0002432244
Cadmium	294	300	ug/L	98.0	90.0 - 110		0002432264
Cadmium	295	300	ug/L	98.3	90.0 - 110		0002432275
Cadmium	295	300	ug/L	98.3	90.0 - 110		0002432284
Cadmium	296	300	ug/L	98.7	90.0 - 110		0002432245
Chromium	296	300	ug/L	98.7	90.0 - 110		0002432245
Chromium	296	300	ug/L	98.7	90.0 - 110		0002432255
Chromium	298	300	ug/L	99.3	90.0 - 110		0002432284
Chromium	301	300	ug/L	100	90.0 - 110		0002432275
Chromium	302	300	ug/L	101	90.0 - 110		0002432264
Chromium	306	300	ug/L	102	90.0 - 110		0002432244
Lead	289	300	ug/L	96.3	90.0 - 110		0002432275
Lead	290	300	ug/L	96.7	90.0 - 110		0002432284
Lead	292	300	ug/L	97.3	90.0 - 110		0002432264
Lead	297	300	ug/L	99.0	90.0 - 110		0002432245
Lead	300	300	ug/L	100	90.0 - 110		0002432255
Lead	301	300	ug/L	100	90.0 - 110		0002432244
Selenium	308	300	ug/L	103	90.0 - 110		0002432244
Selenium	310	300	ug/L	103	90.0 - 110		0002432245
Selenium	310	300	ug/L	103	90.0 - 110		0002432275
Selenium	310	300	ug/L	103	90.0 - 110		0002432284
Selenium	315	300	ug/L	105	90.0 - 110		0002432255
Selenium	317	300	ug/L	106	90.0 - 110		0002432264
Silver	284	300	ug/L	94.7	90.0 - 110		0002432264
Silver	288	300	ug/L	96.0	90.0 - 110		0002432275
Silver	289	300	ug/L	96.3	90.0 - 110		0002432284
Silver	290	300	ug/L	96.7	90.0 - 110		0002432255
Silver	292	300	ug/L	97.3	90.0 - 110		0002432245
Silver	295	300	ug/L	98.3	90.0 - 110		0002432244

Ana-Lab Corporate Laboratory P.O. Box 9000 Kilgore, TX 75663
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com NELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Project [redacted]

Quality Control

[redacted] M Liquid Aqueous EPA 200.8

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Arsenic	102	100	ug/L	102	90.0 - 110		0002432243
Barium	101	100	ug/L	101	90.0 - 110		0002432243
Cadmium	100	100	ug/L	100	90.0 - 110		0002432243
Chromium	97.1	100	ug/L	97.1	90.0 - 110		0002432243
Lead	102	100	ug/L	102	90.0 - 110		0002432243
Selenium	105	100	ug/L	105	90.0 - 110		0002432243
Silver	101	100	ug/L	101	90.0 - 110		0002432243

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Barium	166361	492	500	ug/L	98.4	85.0 - 115	0002432254	
Cadmium	166361	250	250	ug/L	100	85.0 - 115	0002432254	
Chromium	166361	552	500	ug/L	110	85.0 - 115	0002432254	
Lead	166361	550	500	ug/L	110	85.0 - 115	0002432254	
Selenium	166361	548	500	ug/L	110	85.0 - 115	0002432254	
Silver	166361	98.4	100	ug/L	93.4	85.0 - 115	0002432254	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Barium	166361	492	511	500	85.0 - 115	98.4	102	ug/L	3.59	14.0
Cadmium	166361	250	259	250	85.0 - 115	100	104	ug/L	3.92	14.0
Chromium	166361	552	558	500	85.0 - 115	110	112	ug/L	1.80	14.0
Lead	166361	550	566	500	85.0 - 115	110	113	ug/L	2.69	14.0
Selenium	166361	548	562	500	85.0 - 115	110	112	ug/L	1.80	14.0
Silver	166361	98.4	101	100	85.0 - 115	98.4	101	ug/L	2.61	14.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic	794769	596	599	3.11	500	70.0 - 130	119	119	ug/L	0	30.0
Barium	794769	582	578	69.0	500	70.0 - 130	103	102	ug/L	0.976	30.0
Cadmium	794769	254	258	0.440	250	70.0 - 130	101	103	ug/L	1.96	30.0
Chromium	794769	535	527	0.640	500	70.0 - 130	107	107	ug/L	0	30.0
Lead	794769	556	552	0.400	500	70.0 - 130	111	110	ug/L	0.905	30.0
Selenium	794769	570	581	3.14	500	70.0 - 130	113	116	ug/L	2.62	30.0
Silver	794769	98.8	99.8	ND	100	70.0 - 130	98.8	99.8	ug/L	1.01	30.0
Arsenic	794843	582	573	ND	500	70.0 - 130	116	115	ug/L	0.866	30.0
Barium	794843	535	567	48.2	500	70.0 - 130	97.0	104	ug/L	6.97	30.0
Cadmium	794843	246	252	0.280	250	70.0 - 130	98.3	101	ug/L	2.71	30.0
Chromium	794843	532	533	0.850	500	70.0 - 130	106	106	ug/L	0	30.0
Lead	794843	550	578	4.22	500	70.0 - 130	109	115	ug/L	5.36	30.0

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ANA-LAB CORP.
THE COMPLETE SERVICE LAB

Sherman Youngblood
Desoto Parish/Mundy Landfill
2712 Hwy 84 East
Mansfield, LA 71052-

Project [redacted]

Quality Control

166674 M Liquid Aqueous EPA 200.8

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Selenium	794845	564	556	ND	500	70.0 - 130	113	111	ug/L	1.79	30.0
Silver	794845	96.0	98.9	ND	100	70.0 - 130	96.0	98.9	ug/L	2.98	30.0

166660 W Liquid Aqueous EPA 160.2

Blank

Parameter	Type	Result	Unit
Total Suspended Solids	Blank	0.0000	grams

Duplicate

Parameter	Sample	Type	Result	Duplicate	Unit	RPD	Limit%
Total Suspended Solids	794980	Duplicate	13.3	13.3	mg/L	0	
Total Suspended Solids	794981	Duplicate	20.0	20.0	mg/L	0	
Total Suspended Solids	794948	Duplicate	22.0	22.0	mg/L	0	

LCS

Parameter		Type	Result	Known	Unit	Recover%	
Total Suspended Solids	W11240	LCS	48.0	50	mg/L	96.0	75 - 125

Standard

Parameter	Type	Result	Known	Unit	Recover%	Limits%
Total Suspended Solids	Standard	96.0	100	mg/L	96.0	90 - 110

166691 W Liquid Aqueous EPA 1664 A

Blank

Parameter	Type	Result	Unit
Oil and Grease (HEM)	Blank	0.00020	grams

Duplicate

Parameter	Sample	Type	Result	Duplicate	Unit	RPD	Limit%
Oil and Grease (HEM)	795043	Duplicate	ND	ND	mg/L		

LCS

Parameter		Type	Result	Known	Unit	Recover%	
Oil and Grease (HEM)	W11032	LCS	38.0	40	mg/L	95.0	75 - 125
Oil and Grease (HEM)	W11032	LCS	40.3	40	mg/L	101	75 - 125

Mat. Spike

Parameter		Type	Reading	Known	Unit	Recover%
Oil and Grease (HEM)	795090	Mat. Spike	0.0375	0.040	grams	93.8

RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100% Recover% is Recovery Percent: result / known * 100%

ATTACHMENT B

PRIORITY POLLUTANT SCAN

JE
Sarah

Jones Environmental, Inc.

708 Milam Street, Suite 100, Shreveport, LA 71101
Tel: (318) 226-8444 Fax: (318) 226-0381

February 2, 2005

Louisiana Department of Environmental Quality
Office of Environmental Services, Permits Division
602 North Fifth Street
Baton Rouge, LA 70802

Attn: Ms. Paula Roberts

Re: Priority Pollutant Analyses for Outfall 001
LPDES Permit Application to Discharge Wastewater from Industrial Facilities
Mundy Sanitary Landfill
2712 Highway 84 East
Mansfield, LA 71052
D-031-1827/AI# 19803

Dear Ms. Roberts:

As authorized by Mr. Pete Chreene, Solid Waste Superintendent, and on behalf of the DeSoto Parish Police Jury, Jones Environmental, Inc. is submitting priority pollutant analyses for Outfall 001 at the Mundy Landfill. Outfall 001 discharges from the facility's wastewater treatment plant. Five copies of the laboratory report are enclosed. Also enclosed is the field pH measurement taken at the time of sample collection. These analyses are provided for the Department's review as part of the LPDES Permit Application to Discharge Wastewater from Industrial Facilities that was submitted to the Department on November 15, 2004.

Both the Parish and its consultants appreciate your attention in reviewing the permit application and look forward to your favorable review. Should you have any questions regarding the application, please call me at the number above.

Sincerely,
JONES ENVIRONMENTAL, INC.

Sarah E. Moore

Sarah E. Moore
Staff Geologist

Enclosures

cc: Mr. Bill Smith, Parish Administrator, DeSoto Parish Police Jury, Mansfield, LA
Mr. Pete Chreene, Solid Waste Superintendent, Mundy Sanitary Landfill, Mansfield, LA
Mr. Bill Jones, JEI, Shreveport, LA

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Case Narrative for:

DESOTO PARISH LANDFILL

Certificate of Analysis Number:

05010597

Report To:		Project Name:	DESOTO PARISH LANDFILL
JONES ENVIRONMENTAL, INC.		Site:	MUNDY SANITARY LANDFILL
SARAH MOORE		Site Address:	2712 HWY 84 EAST
708 MILAM ROAD			MANSFIELD LA
SUITE 100		PO Number:	
SHREVEPORT		State:	Louisiana
LA		State Cert. No.:	
71101-			
ph: (318) 226-8444	fax:	Date Reported:	2/2/2005

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC). Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry. The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples. The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between intial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: _____ PAGES

Anthony J Duhon

Anthony Duhon
Project Manager

2/2/2005
Date

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

DESOTO PARISH LANDFILL

Certificate of Analysis Number:

05010597

Report To: JONES ENVIRONMENTAL, INC.
SARAH MOORE
708 MILAM ROAD
SUITE 100
SHREVEPORT
LA
71101-
ph: (318) 226-8444 fax: (318) 226-0381

Fax To:

Project Name: DESOTO PARISH LANDFILL
Site: MUNDY SANITARY LANDFILL
Site Address: 2712 HWY 84 EAST
MANSFIELD LA
PO Number:
State: Louisiana
State Cert. No.:
Date Reported: 2/2/2005

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
OUTFALL #1	05010597-01	Water	1/14/2005 8:38:00 AM	1/14/2005 4:15:00 PM	236317	☐
TRIP BLANK	05010597-02	Water	1/14/2005	1/14/2005 4:15:00 PM	236317	☐

Anthony J Duhon

Anthony Duhon
Project Manager

2/2/2005
Date

John D. Trahan
Laboratory Director

Tristan Davis
Quality Assurance Officer

2/2/2005 8:37:34 AM

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: OUTFALL #1 **Collected:** 01/14/2005 8:38 **SPL Sample ID:** 05010597-01

Site: MUNDY SANITARY LANDFILL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			MCL	SW8151A	Units: ug/L		
2,4,5-TP (Silvex)	3.7	0.1	1		01/19/05 23:26	RAH	1327666
2,4-D	ND	1.2	1		01/19/05 23:26	RAH	1327666
Surr: DCAA	80.1 %	23-126	1		01/19/05 23:26	RAH	1327666

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	01/17/2005 18:02	CAM	1.00

CHROMIUM, HEXAVALENT BY SW846 7196A			MCL	SW7196A	Units: mg/L		
Chromium, Hexavalent	ND	0.01	1		01/14/05 17:00	LB	1319426
CYANIDE, TOTAL			MCL	SW9010B	Units: mg/L		
Cyanide	ND	0.01	1		01/25/05 14:00	AG	1328163
MERCURY, TOTAL BY COLD VAPOR			MCL	SW7470A	Units: mg/L		
Mercury	ND	0.0002	1		01/17/05 18:51	RJD	1320255

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7470A	01/17/2005 10:45	RJD	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID:OUTFALL #1 | Collected: 01/14/2005 8:38 | SPL Sample ID: 05010597-01

Site: MUNDY SANITARY LANDFILL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
PESTICIDE/PCBS			MCL		E608	Units: ug/L		
4,4'-DDD	ND		0.05	1		01/29/05 3:13	RAH	1332616
4,4'-DDE	ND		0.05	1		01/29/05 3:13	RAH	1332616
4,4'-DDT	ND		0.05	1		01/29/05 3:13	RAH	1332616
Aldrin	ND		0.05	1		01/29/05 3:13	RAH	1332616
alpha-BHC	ND		0.05	1		01/29/05 3:13	RAH	1332616
Aroclor 1016	ND		1	1		01/18/05 22:16	RAH	1325723
Aroclor 1221	ND		1	1		01/18/05 22:16	RAH	1325723
Aroclor 1232	ND		1	1		01/18/05 22:16	RAH	1325723
Aroclor 1242	ND		1	1		01/18/05 22:16	RAH	1325723
Aroclor 1248	ND		1	1		01/18/05 22:16	RAH	1325723
Aroclor 1254	ND		1	1		01/18/05 22:16	RAH	1325723
Aroclor 1260	ND		1	1		01/18/05 22:16	RAH	1325723
beta-BHC	ND		0.05	1		01/29/05 3:13	RAH	1332616
Chlordane	ND		0.2	1		01/29/05 3:13	RAH	1332616
delta-BHC	ND		0.05	1		01/29/05 3:13	RAH	1332616
Dieldrin	ND		0.05	1		01/29/05 3:13	RAH	1332616
Endosulfan I	ND		0.05	1		01/29/05 3:13	RAH	1332616
Endosulfan II	ND		0.05	1		01/29/05 3:13	RAH	1332616
Endosulfan sulfate	ND		0.05	1		01/29/05 3:13	RAH	1332616
Endrin	ND		0.05	1		01/29/05 3:13	RAH	1332616
Endrin aldehyde	ND		0.05	1		01/29/05 3:13	RAH	1332616
gamma-BHC	ND		0.05	1		01/29/05 3:13	RAH	1332616
Heptachlor	ND		0.05	1		01/29/05 3:13	RAH	1332616
Heptachlor epoxide	ND		0.05	1		01/29/05 3:13	RAH	1332616
Toxaphene	ND		2	1		01/29/05 3:13	RAH	1332616
Surr: Decachlorobiphenyl	60.4	%	46-108	1		01/29/05 3:13	RAH	1332616
Surr: Decachlorobiphenyl	60.4	%	46-108	1		01/18/05 22:16	RAH	1325723
Surr: Tetrachloro-m-xylene	55.3	%	46-98	1		01/29/05 3:13	RAH	1332616
Surr: Tetrachloro-m-xylene	65.6	%	46-98	1		01/29/05 3:13	RAH	1332616
Surr: Tetrachloro-m-xylene	65.6	%	46-98	1		01/18/05 22:16	RAH	1325723

Prep Method	Prep Date	Prep Initials	Prep Factor
E608	01/17/2005 18:02	CAM	1.00

PHENOLICS,TOTAL RECOVERABLE			MCL		SW9065	Units: mg/L		
Phenolics,Total Recoverable	ND		0.01	1		01/25/05 16:04	AG	1327973
POTASSIUM, TOTAL BY FLAME AA			MCL		SW7610	Units: mg/L		
Potassium	4.6		1	2		01/20/05 15:25	RJD	1323782

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	01/17/2005 9:30	GTS	1.00

Qualifiers:
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- D - Surrogate Recovery Unreportable due to Dilution
- MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: OUTFALL #1 | Collected: 01/14/2005 8:38 | SPL Sample ID: 05010597-01

Site: MUNDY SANITARY LANDFILL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C		MCL	SW8270C		Units: ug/L		
1,2,4-Trichlorobenzene	ND	5	1		01/22/05 6:01	ADS	1330315
1,2-Dinitrobenzene	ND	10	1		01/22/05 6:01	ADS	1330315
1,2-Diphenylhydrazine	ND	5	1		01/22/05 6:01	ADS	1330315
1,3-Dichlorobenzene	ND	5	1		01/22/05 6:01	ADS	1330315
1,4-Dichlorobenzene	ND	5	1		01/22/05 6:01	ADS	1330315
2,3-Dichlorophenol	ND	5	1		01/22/05 6:01	ADS	1330315
2,4-Dichlorophenol	ND	5	1		01/22/05 6:01	ADS	1330315
2,4-Dimethylphenol	ND	5	1		01/22/05 6:01	ADS	1330315
2,4-Dinitrophenol	ND	20	1		01/22/05 6:01	ADS	1330315
2,4-Dinitrotoluene	ND	5	1		01/22/05 6:01	ADS	1330315
2,5-Dichlorophenol	ND	5	1		01/22/05 6:01	ADS	1330315
2,6-Dichlorophenol	ND	5	1		01/22/05 6:01	ADS	1330315
2,6-Dinitrotoluene	ND	5	1		01/22/05 6:01	ADS	1330315
2-Chloronaphthalene	ND	5	1		01/22/05 6:01	ADS	1330315
2-Chlorophenol	ND	5	1		01/22/05 6:01	ADS	1330315
2-Nitrophenol	ND	10	1		01/22/05 6:01	ADS	1330315
3,3'-Dichlorobenzidine	ND	5	1		01/22/05 6:01	ADS	1330315
3,4-Dichlorophenol	ND	5	1		01/22/05 6:01	ADS	1330315
3-Chlorophenol	ND	5	1		01/22/05 6:01	ADS	1330315
4,6-Dinitro-2-methylphenol	ND	10	1		01/22/05 6:01	ADS	1330315
4-Bromophenyl phenyl ether	ND	5	1		01/22/05 6:01	ADS	1330315
4-Chloro-3-methylphenol	ND	5	1		01/22/05 6:01	ADS	1330315
4-Chlorophenyl phenyl ether	ND	5	1		01/22/05 6:01	ADS	1330315
4-Nitrophenol	ND	20	1		01/22/05 6:01	ADS	1330315
Acenaphthene	ND	5	1		01/22/05 6:01	ADS	1330315
Acenaphthylene	ND	5	1		01/22/05 6:01	ADS	1330315
Anthracene	ND	5	1		01/22/05 6:01	ADS	1330315
Benz(a)anthracene	ND	5	1		01/22/05 6:01	ADS	1330315
Benzidine	ND	20	1		01/22/05 6:01	ADS	1330315
Benzo(a)pyrene	ND	5	1		01/22/05 6:01	ADS	1330315
Benzo(b)fluoranthene	ND	5	1		01/22/05 6:01	ADS	1330315
Benzo(g,h,i)perylene	ND	5	1		01/22/05 6:01	ADS	1330315
Benzo(k)fluoranthene	ND	5	1		01/22/05 6:01	ADS	1330315
Bis(2-chloroethoxy)methane	ND	5	1		01/22/05 6:01	ADS	1330315
Bis(2-chloroethyl)ether	ND	5	1		01/22/05 6:01	ADS	1330315
Bis(2-chloroisopropyl)ether	ND	5	1		01/22/05 6:01	ADS	1330315
Bis(2-ethylhexyl)phthalate	ND	5	1		01/22/05 6:01	ADS	1330315
Butyl benzyl phthalate	ND	5	1		01/22/05 6:01	ADS	1330315
Chrysene	ND	5	1		01/22/05 6:01	ADS	1330315
Dibenz(a,h)anthracene	ND	5	1		01/22/05 6:01	ADS	1330315

Qualifiers:
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID:OUTFALL #1 **Collected: 01/14/2005 8:38** **SPL Sample ID: 05010597-01**

Site: MUNDY SANITARY LANDFILL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
Diethyl phthalate	ND	5	1		01/22/05 6:01	ADS	1330315
Dimethyl phthalate	ND	5	1		01/22/05 6:01	ADS	1330315
Di-n-butyl phthalate	ND	5	1		01/22/05 6:01	ADS	1330315
Di-n-octyl phthalate	ND	5	1		01/22/05 6:01	ADS	1330315
Fluoranthene	ND	5	1		01/22/05 6:01	ADS	1330315
Fluorene	ND	5	1		01/22/05 6:01	ADS	1330315
Hexachlorobenzene	ND	5	1		01/22/05 6:01	ADS	1330315
Hexachlorobutadiene	ND	5	1		01/22/05 6:01	ADS	1330315
Hexachlorocyclopentadiene	ND	10	1		01/22/05 6:01	ADS	1330315
Hexachloroethane	ND	5	1		01/22/05 6:01	ADS	1330315
Indeno(1,2,3-cd)pyrene	ND	5	1		01/22/05 6:01	ADS	1330315
Isophorone	ND	5	1		01/22/05 6:01	ADS	1330315
Naphthalene	ND	5	1		01/22/05 6:01	ADS	1330315
Nitrobenzene	ND	5	1		01/22/05 6:01	ADS	1330315
N-Nitrosodimethylamine	ND	5	1		01/22/05 6:01	ADS	1330315
N-Nitrosodi-n-propylamine	ND	5	1		01/22/05 6:01	ADS	1330315
N-Nitrosodiphenylamine	ND	5	1		01/22/05 6:01	ADS	1330315
Pentachlorophenol	ND	10	1		01/22/05 6:01	ADS	1330315
Phenanthrene	ND	5	1		01/22/05 6:01	ADS	1330315
Phenol	ND	5	1		01/22/05 6:01	ADS	1330315
Pyrene	ND	5	1		01/22/05 6:01	ADS	1330315
Surr: 2,4,6-Tribromophenol	66.9 %	37.5-122	1		01/22/05 6:01	ADS	1330315
Surr: 2-Fluorobiphenyl	57.7 %	35.8-103	1		01/22/05 6:01	ADS	1330315
Surr: 2-Fluorophenol	30.4 %	10-71.9	1		01/22/05 6:01	ADS	1330315
Surr: 4-Terphenyl-d14	59.2 %	38.9-120	1		01/22/05 6:01	ADS	1330315
Surr: Nitrobenzene-d5	52.5 %	30.2-105	1		01/22/05 6:01	ADS	1330315
Surr: Phenol-d5	21.1 %	10-84.5	1		01/22/05 6:01	ADS	1330315

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	01/17/2005 8:00	CAM	1.00

SODIUM, TOTAL BY FLAME AA MCL SW7770 Units: mg/L

Sodium	58.2	10	1		01/19/05 16:45	RJD	1323346

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	01/17/2005 9:30	GTS	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID:OUTFALL #1 | Collected: 01/14/2005 8:38 | SPL Sample ID: 05010597-01

Site: MUNDY SANITARY LANDFILL

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
TOTAL METALS BY METHOD 6010B		MCL	SW6010B		Units: mg/L		
Aluminum	1.41	0.1	1		01/20/05 2:34	CAB	1323044
Antimony	ND	0.02	1		01/20/05 2:34	CAB	1323044
Arsenic	ND	0.02	1		01/20/05 2:34	CAB	1323044
Barium	0.0738	0.01	1		01/20/05 2:34	CAB	1323044
Beryllium	ND	0.01	1		01/20/05 2:34	CAB	1323044
Cadmium	ND	0.01	1		01/20/05 2:34	CAB	1323044
Calcium	32.1	0.2	1		01/20/05 2:34	CAB	1323044
Chromium	ND	0.01	1		01/20/05 2:34	CAB	1323044
Cobalt	ND	0.01	1		01/20/05 2:34	CAB	1323044
Copper	ND	0.01	1		01/20/05 2:34	CAB	1323044
Iron	1.74	0.1	1		01/21/05 17:48	CAB	1325319
Lead	ND	0.01	1		01/20/05 2:34	CAB	1323044
Magnesium	16.2	0.1	1		01/20/05 2:34	CAB	1323044
Manganese	0.189	0.01	1		01/20/05 2:34	CAB	1323044
Nickel	ND	0.01	1		01/20/05 2:34	CAB	1323044
Selenium	ND	0.02	1		01/20/05 2:34	CAB	1323044
Silver	ND	0.01	1		01/20/05 2:34	CAB	1323044
Thallium	ND	0.04	1		01/21/05 17:48	CAB	1325319
Vanadium	0.049	0.04	1		01/20/05 2:34	CAB	1323044
Zinc	ND	0.02	1		01/20/05 2:34	CAB	1323044

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	01/20/2005 11:00	GTS	1.00
SW3010A	01/17/2005 9:15	GTS	1.00

Qualifiers:
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>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: OUTFALL #1 | Collected: 01/14/2005 8:38 | SPL Sample ID: 05010597-01

Site: MUNDY SANITARY LANDFILL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B		Units: ug/L		
1,1,1-Trichloroethane	ND		5	1		01/19/05 20:12	MHW	1323562
1,1,2,2-Tetrachloroethane	ND		5	1		01/19/05 20:12	MHW	1323562
1,1,2-Trichloroethane	ND		5	1		01/19/05 20:12	MHW	1323562
1,1-Dichloroethane	ND		5	1		01/19/05 20:12	MHW	1323562
1,1-Dichloroethene	ND		5	1		01/19/05 20:12	MHW	1323562
1,2-Dichloroethane	ND		5	1		01/19/05 20:12	MHW	1323562
1,2-Dichloropropane	ND		5	1		01/19/05 20:12	MHW	1323562
2-Chloroethyl vinyl ether	ND		10	1		01/19/05 20:12	MHW	1323562
Acrolein	ND		50	1		01/19/05 20:12	MHW	1323562
Acrylonitrile	ND		60	1		01/19/05 20:12	MHW	1323562
Benzene	ND		5	1		01/19/05 20:12	MHW	1323562
Bromodichloromethane	ND		5	1		01/19/05 20:12	MHW	1323562
Bromoform	ND		5	1		01/19/05 20:12	MHW	1323562
Bromomethane	ND		10	1		01/19/05 20:12	MHW	1323562
Carbon tetrachloride	ND		5	1		01/19/05 20:12	MHW	1323562
Chlorobenzene	ND		5	1		01/19/05 20:12	MHW	1323562
Chloroethane	ND		10	1		01/19/05 20:12	MHW	1323562
Chloroform	ND		5	1		01/19/05 20:12	MHW	1323562
Chloromethane	ND		5	1		01/19/05 20:12	MHW	1323562
cis-1,3-Dichloropropene	ND		5	1		01/19/05 20:12	MHW	1323562
Dibromochloromethane	ND		5	1		01/19/05 20:12	MHW	1323562
Ethylbenzene	ND		5	1		01/19/05 20:12	MHW	1323562
Methylene chloride	ND		5	1		01/19/05 20:12	MHW	1323562
Tetrachloroethene	ND		5	1		01/19/05 20:12	MHW	1323562
Toluene	ND		5	1		01/19/05 20:12	MHW	1323562
trans-1,3-Dichloropropene	ND		5	1		01/19/05 20:12	MHW	1323562
Trichloroethene	ND		5	1		01/19/05 20:12	MHW	1323562
Vinyl chloride	ND		10	1		01/19/05 20:12	MHW	1323562
trans-1,2-Dichloroethene	ND		5	1		01/19/05 20:12	MHW	1323562
Surr: 1,2-Dichloroethane-d4	96.6	%	72.6-128	1		01/19/05 20:12	MHW	1323562
Surr: 4-Bromofluorobenzene	86.9	%	76.6-114	1		01/19/05 20:12	MHW	1323562
Surr: Toluene-d8	100	%	84.9-111	1		01/19/05 20:12	MHW	1323562

Qualifiers:
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MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: TRIP BLANK | Collected: 01/14/2005 0:00 | SPL Sample ID: 05010597-02

Site: MUNDY SANITARY LANDFILL

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B		Units: ug/L		
1,1,1-Trichloroethane	ND		5	1		01/19/05 20:39	MHW	1323563
1,1,2,2-Tetrachloroethane	ND		5	1		01/19/05 20:39	MHW	1323563
1,1,2-Trichloroethane	ND		5	1		01/19/05 20:39	MHW	1323563
1,1-Dichloroethane	ND		5	1		01/19/05 20:39	MHW	1323563
1,1-Dichloroethene	ND		5	1		01/19/05 20:39	MHW	1323563
1,2-Dichloroethane	ND		5	1		01/19/05 20:39	MHW	1323563
1,2-Dichloropropane	ND		5	1		01/19/05 20:39	MHW	1323563
2-Chloroethyl vinyl ether	ND		10	1		01/19/05 20:39	MHW	1323563
Acrolein	ND		50	1		01/19/05 20:39	MHW	1323563
Acrylonitrile	ND		60	1		01/19/05 20:39	MHW	1323563
Benzene	ND		5	1		01/19/05 20:39	MHW	1323563
Bromodichloromethane	ND		5	1		01/19/05 20:39	MHW	1323563
Bromoform	ND		5	1		01/19/05 20:39	MHW	1323563
Bromomethane	ND		10	1		01/19/05 20:39	MHW	1323563
Carbon tetrachloride	ND		5	1		01/19/05 20:39	MHW	1323563
Chlorobenzene	ND		5	1		01/19/05 20:39	MHW	1323563
Chloroethane	ND		10	1		01/19/05 20:39	MHW	1323563
Chloroform	ND		5	1		01/19/05 20:39	MHW	1323563
Chloromethane	ND		5	1		01/19/05 20:39	MHW	1323563
cis-1,3-Dichloropropene	ND		5	1		01/19/05 20:39	MHW	1323563
Dibromochloromethane	ND		5	1		01/19/05 20:39	MHW	1323563
Ethylbenzene	ND		5	1		01/19/05 20:39	MHW	1323563
Methylene chloride	ND		5	1		01/19/05 20:39	MHW	1323563
Tetrachloroethene	ND		5	1		01/19/05 20:39	MHW	1323563
Toluene	ND		5	1		01/19/05 20:39	MHW	1323563
trans-1,3-Dichloropropene	ND		5	1		01/19/05 20:39	MHW	1323563
Trichloroethene	ND		5	1		01/19/05 20:39	MHW	1323563
Vinyl chloride	ND		10	1		01/19/05 20:39	MHW	1323563
trans-1,2-Dichloroethene	ND		5	1		01/19/05 20:39	MHW	1323563
Surr: 1,2-Dichloroethane-d4	96.1	%	72.6-128	1		01/19/05 20:39	MHW	1323563
Surr: 4-Bromofluorobenzene	86.5	%	76.6-114	1		01/19/05 20:39	MHW	1323563
Surr: Toluene-d8	101	%	84.9-111	1		01/19/05 20:39	MHW	1323563

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Eno River Labs, LLC

Prepared for: Southern Petroleum Labs
Reference ID: Mundy Landfill Effluent

Project Summary 64569
Method 1613B
Concentrations shown in pg/L

	BLANK	05010597-01B
Analytes		
2,3,7,8-TCDD	< 10.0	< 10.0
Extraction Date	1/21/2005	1/21/2005
Analysis Date	1/26/2005	1/26/2005
Primary Filename	U005602	U005605
Confirm Filename	N/A	N/A
Dilution Filename	N/A	N/A

Data Flag Descriptions:
< Not detected -1613 Minimum Levels reported
[..] EMPC Value
B Analyte detected in Blank
C Value reported from Confirmatory Analysis
D Value reported from Dilution Analysis
E Estimated Value - Above Calibration Range
J Estimated Value- Below Calibration Range
N/A Not Applicable
Q Quantitative Interference Present
S Analyte saturated
X Interference from Diphenyl Ethers

Quality Control Documentation

Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

DESOTO PARISH LANDFILL

DESOTO PARISH LANDFILL

Analysis: Pesticide/PCBs
Method: E608

WorkOrder: 05010597
Lab Batch ID: 34616

Method Blank

RunID: PEST2_050128B-1332613 Units: ug/L
Analysis Date: 01/29/2005 1:47 Analyst: RAH
Preparation Date: 01/17/2005 18:02 Prep By: CAM Method: E608

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01D	OUTFALL #1

Analyte	Result	Rep Limit
4,4'-DDD	ND	0.050
4,4'-DDE	ND	0.050
4,4'-DDT	ND	0.050
Aldrin	ND	0.050
alpha-BHC	ND	0.050
beta-BHC	ND	0.050
Chlordane	ND	0.20
delta-BHC	ND	0.050
Dieldrin	ND	0.050
Endosulfan I	ND	0.050
Endosulfan II	ND	0.050
Endosulfan sulfate	ND	0.050
Endrin	ND	0.050
Endrin aldehyde	ND	0.050
gamma-BHC	ND	0.050
Heptachlor	ND	0.050
Heptachlor epoxide	ND	0.050
Toxaphene	ND	2.0
Surr: Decachlorobiphenyl	69.5	46-108
Surr: Tetrachloro-m-xylene	55.8	46-98

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST2_050128B-1332614 Units: ug/L
Analysis Date: 01/29/2005 2:16 Analyst: RAH
Preparation Date: 01/17/2005 18:02 Prep By: CAM Method: E608

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
4,4'-DDD	0.25	0.188	75.1	0.250	0.202	80.6	0.0	20	31	141
4,4'-DDE	0.25	0.254	102	0.250	0.257	103	0.0	20	30	145
4,4'-DDT	0.25	0.238	95.4	0.250	0.236	94.3	0.0	20	25	160
Aldrin	0.25	0.192	76.6	0.250	0.199	79.5	0.0	20	42	142
alpha-BHC	0.25	0.254	102	0.250	0.259	104	0.0	20	37	134
beta-BHC	0.25	0.270	108	0.250	0.279	112	0.0	20	17	147
delta-BHC	0.25	0.191	76.5	0.250	0.213	85.1	0.0	20	19	140
Dieldrin	0.5	0.256	51.2	0.500	0.263	52.6	0.0	20	36	146
Endosulfan I	0.25	0.218	87.2	0.250	0.163	65.3	0.0	20	35	153
Endosulfan II	0.5	0.246	49.3	0.500	0.262	52.4	0.0	20	19	202
Endosulfan sulfate	0.5	0.226	45.2	0.500	0.242	48.5	0.0	20	26	144

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

2/2/2005 8:37:39 AM

Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

DESOTO PARISH LANDFILL

DESOTO PARISH LANDFILL

Analysis: Pesticide/PCBs
Method: E608

WorkOrder: 05010597
Lab Batch ID: 34616

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST2_050128B-1332614 Units: ug/L
Analysis Date: 01/29/2005 2:16 Analyst: RAH
Preparation Date: 01/17/2005 18:02 Prep By: CAM Method: E608

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Endrin	0.5	0.274	54.7	0.500	0.276	55.1	0.0	20	30	147
Endrin aldehyde	0.5	0.264	52.8	0.500	0.282	56.4	0.0	20	30	150
gamma-BHC	0.25	0.245	98.0	0.250	0.259	104	0.0	20	32	140
Heptachlor	0.25	0.184	73.8	0.250	0.192	76.6	0.0	20	34	141
Heptachlor epoxide	0.25	0.272	109	0.250	0.275	110	0.0	20	47	142

Qualifiers:
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Quality Control Report

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SCOTT, LA 70583
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DESOTO PARISH LANDFILL

DESOTO PARISH LANDFILL

Analysis: Pesticide/PCBs
Method: E608

WorkOrder: 05010597
Lab Batch ID: 34617

Method Blank

RunID: PEST_0501188-1325720 Units: ug/L
Analysis Date: 01/18/2005 21:22 Analyst: RAH
Preparation Date: 01/17/2005 18:02 Prep By: CAM Method: E608

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01D	OUTFALL #1

Analyte	Result	Rep Limit
Aroclor 1016	ND	1.0
Aroclor 1221	ND	1.0
Aroclor 1232	ND	1.0
Aroclor 1242	ND	1.0
Aroclor 1248	ND	1.0
Aroclor 1254	ND	1.0
Aroclor 1260	ND	1.0
Surr: Decachlorobiphenyl	68.7	48-108
Surr: Tetrachloro-m-xylene	63.7	46-98

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST_0501188-1325721 Units: ug/L
Analysis Date: 01/18/2005 21:40 Analyst: RAH
Preparation Date: 01/17/2005 18:02 Prep By: CAM Method: E608

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Aroclor 1016	10	6.94	69.4 *	10.0	7.33	73.3	5.5	20	70	130
Aroclor 1260	10	7.49	74.9	10.0	9.28	92.8	21.4	20	70	130

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

2/2/2005 8:37:39 AM

Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

DESOTO PARISH LANDFILL

DESOTO PARISH LANDFILL

Analysis: Chlorinated Herbicides by Method 8151A
Method: SW8151A

WorkOrder: 05010597
Lab Batch ID: 34618

Method Blank

RunID: PCBB_050119A-1327661 Units: ug/L
Analysis Date: 01/19/2005 20:56 Analyst: RAH
Preparation Date: 01/17/2005 18:02 Prep By: CAM Method: SW3510B

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01E	OUTFALL #1

Analyte	Result	Rep Limit
2,4,5-TP (Silvex)	ND	0.10
2,4-D	ND	1.2
Surr: DCAA	85.5	23-126

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PCBB_050119A-1327662 Units: ug/L
Analysis Date: 01/19/2005 21:26 Analyst: RAH
Preparation Date: 01/17/2005 18:02 Prep By: CAM Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2,4,5-TP (Silvex)	0.5	0.454	90.8	0.500	0.432	86.3	5.1	30	10	163
2,4-D	5	4.96	99.3	5.00	4.72	94.3	5.1	30	21	128

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

2/2/2005 8:37:39 AM

Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

DESOTO PARISH LANDFILL

DESOTO PARISH LANDFILL

Analysis: Total Metals by Method 6010B
Method: SW6010B

WorkOrder: 05010597
Lab Batch ID: 34579

Method Blank

RunID: ICPDV_050119E-1323034 Units: mg/L
Analysis Date: 01/20/2005 1:15 Analyst: CAB
Preparation Date: 01/17/2005 9:15 Prep By: GTS Method: SW3010A

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01A	OUTFALL #1

Analyte	Result	Rep Limit
Aluminum	ND	0.1
Antimony	ND	0.02
Arsenic	ND	0.02
Barium	ND	0.01
Beryllium	ND	0.01
Cadmium	ND	0.01
Calcium	ND	0.2
Chromium	ND	0.01
Cobalt	ND	0.01
Iron	ND	0.1
Lead	ND	0.01
Magnesium	ND	0.1
Manganese	ND	0.01
Nickel	ND	0.01
Selenium	ND	0.02
Thallium	ND	0.04
Zinc	ND	0.02

Laboratory Control Sample (LCS)

RunID: ICPDV_050119E-1323035 Units: mg/L
Analysis Date: 01/20/2005 1:22 Analyst: CAB
Preparation Date: 01/17/2005 9:15 Prep By: GTS Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aluminum	1	1.157	115.7	80	120
Antimony	1	1.136	113.6	80	120
Arsenic	1	1.180	118.0	80	120
Barium	1	1.150	115.0	80	120
Beryllium	1	1.168	116.8	80	120
Cadmium	1	1.166	116.6	80	120
Calcium	1	1.157	115.7	80	120
Chromium	1	1.170	117.0	80	120
Cobalt	1	1.159	115.9	80	120
Iron	1	1.156	115.6	80	120
Lead	1	1.151	115.1	80	120
Magnesium	1	1.196	119.6	80	120
Manganese	1	1.148	114.8	80	120
Nickel	1	1.147	114.7	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
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Analysis: Total Metals by Method 6010B
Method: SW6010B

WorkOrder: 05010597
Lab Batch ID: 34579

Laboratory Control Sample (LCS)

RunID: ICPDV_050119E-1323035 Units: mg/L
Analysis Date: 01/20/2005 1:22 Analyst: CAB
Preparation Date: 01/17/2005 9:15 Prep By: GTS Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Selenium	1	1.185	118.5	80	120
Thallium	1	1.196	119.6	80	120
Zinc	1	1.172	117.2	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05010590-03
RunID: ICPDV_050119E-1323040 Units: mg/L
Analysis Date: 01/20/2005 2:02 Analyst: CAB
Preparation Date: 01/17/2005 9:15 Prep By: Method:

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aluminum	ND	1	1.040	104.0	1	1.008	100.8	3.071	20	75	125
Antimony	ND	1	1.000	100.0	1	0.9720	97.20	2.860	20	75	125
Arsenic	0.03381	1	1.078	104.5	1	1.055	102.1	2.226	20	75	125
Barium	0.09409	1	1.070	97.62	1	1.039	94.51	2.945	20	75	125
Beryllium	ND	1	1.030	102.9	1	0.9997	99.89	3.011	20	75	125
Cadmium	ND	1	1.016	101.6	1	0.9837	98.37	3.196	20	75	125
Calcium	42.81	1	43.03	N/C	1	42.33	N/C	N/C	20	75	125
Chromium	ND	1	0.9923	99.23	1	0.9613	96.13	3.171	20	75	125
Cobalt	ND	1	0.9725	97.15	1	0.9389	93.78	3.521	20	75	125
Iron	0.2713	1	1.267	99.60	1	1.227	95.55	3.248	20	75	125
Lead	ND	1	0.9855	98.55	1	0.9627	96.27	2.338	20	75	125
Magnesium	40.03	1	40.80	N/C	1	40.22	N/C	N/C	20	75	125
Manganese	0.07000	1	1.042	97.18	1	1.012	94.23	2.876	20	75	125
Nickel	ND	1	0.9683	95.97	1	0.9370	92.83	3.287	20	75	125
Selenium	ND	1	1.096	109.6	1	1.065	106.5	2.862	20	75	125
Thallium	ND	1	1.030	103.0	1	1.011	101.1	1.827	20	75	125
Zinc	0.03486	1	1.025	98.97	1	0.9873	95.25	3.703	20	75	125

Qualifiers:
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Analysis: Potassium, Total by Flame AA
Method: SW7610

WorkOrder: 05010597
Lab Batch ID: 34580K

Method Blank

RunID: 3100_050120E-1323780 Units: mg/L
Analysis Date: 01/20/2005 15:25 Analyst: RJD
Preparation Date: 01/17/2005 9:30 Prep By: GTS Method: SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01A	OUTFALL #1

Analyte	Result	Rep Limit
Potassium	ND	0.5

Laboratory Control Sample (LCS)

RunID: 3100_050120E-1323781 Units: mg/L
Analysis Date: 01/20/2005 15:25 Analyst: RJD
Preparation Date: 01/17/2005 9:30 Prep By: GTS Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Potassium	2	2.200	110.0	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05010597-01
RunID: 3100_050120E-1323784 Units: mg/L
Analysis Date: 01/20/2005 15:25 Analyst: RJD
Preparation Date: 01/17/2005 9:30 Prep By: GTS Method: SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Potassium	4.600	2	6.900	115.0	2	6.820	111.0	1.166	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
MI - Matrix Interference
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Analysis: Sodium, Total by Flame AA
Method: SW7770

WorkOrder: 05010597
Lab Batch ID: 34580Na

Method Blank

RunID: 3100_050119H-1323344 Units: mg/L
Analysis Date: 01/19/2005 16:45 Analyst: RJD
Preparation Date: 01/17/2005 9:30 Prep By: GTS Method: SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01A	OUTFALL #1

Analyte	Result	Rep Limit
Sodium	ND	10

Laboratory Control Sample (LCS)

RunID: 3100_050119H-1323345 Units: mg/L
Analysis Date: 01/19/2005 16:45 Analyst: RJD
Preparation Date: 01/17/2005 9:30 Prep By: GTS Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Sodium	50	44.10	88.20	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05010597-01
RunID: 3100_050119H-1323348 Units: mg/L
Analysis Date: 01/19/2005 16:45 Analyst: RJD
Preparation Date: 01/17/2005 9:30 Prep By: GTS Method: SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Sodium	56.20	50	99.20	86.00	50	96.50	80.60	2.759	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Analysis: Mercury, Total by Cold Vapor
Method: SW7470A

WorkOrder: 05010597
Lab Batch ID: 34597

Method Blank

RunID: FIMS-100_050117C-132023 Units: mg/L
Analysis Date: 01/17/2005 17:47 Analyst: RJD
Preparation Date: 01/17/2005 10:45 Prep By: RJD Method: SW7470A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01A	OUTFALL #1

Analyte	Result	Rep Limit
Mercury	ND	0.0002

Laboratory Control Sample (LCS)

RunID: FIMS-100_050117C-132023 Units: mg/L
Analysis Date: 01/17/2005 17:50 Analyst: RJD
Preparation Date: 01/17/2005 10:45 Prep By: RJD Method: SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.01	0.008976	89.76	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05010488-09
RunID: FIMS-100_050117C-132024 Units: mg/L
Analysis Date: 01/17/2005 18:00 Analyst: RJD
Preparation Date: 01/17/2005 10:45 Prep By: RJD Method: SW7470A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.01	0.009144	91.44	0.01	0.009359	93.59	2.327	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
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MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Analysis: Total Metals by Method 6010B
Method: SW6010B

WorkOrder: 05010597
Lab Batch ID: 34707

Method Blank

RunID: ICPDV_050121B-1325309 Units: mg/L
Analysis Date: 01/21/2005 16:30 Analyst: CAB
Preparation Date: 01/20/2005 11:00 Prep By: GTS Method: SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01A	OUTFALL #1

Analyte	Result	Rep Limit
Copper	ND	0.01
Silver	ND	0.01
Vanadium	ND	0.04

Laboratory Control Sample (LCS)

RunID: ICPDV_050121B-1325310 Units: mg/L
Analysis Date: 01/21/2005 16:38 Analyst: CAB
Preparation Date: 01/20/2005 11:00 Prep By: GTS Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Copper	1	1.028	102.8	80	120
Silver	1	1.026	102.6	80	120
Vanadium	1	0.9965	99.65	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05010366-01
RunID: ICPDV_050121B-1325313 Units: mg/L
Analysis Date: 01/21/2005 17:02 Analyst: CAB
Preparation Date: 01/20/2005 11:00 Prep By: GTS Method: SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Copper	0.02796	1	1.050	102.2	1	1.061	103.3	1.033	20	75	125
Silver	ND	1	1.020	102.0	1	1.023	102.3	0.3280	20	75	125
Vanadium	0.03248	1	1.005	97.29	1	1.024	99.13	1.821	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 05010597
Lab Batch ID: 34578

Method Blank

RunID: A_050122B-1330312 Units: ug/L
Analysis Date: 01/22/2005 4:22 Analyst: ADS
Preparation Date: 01/17/2005 8:00 Prep By: CAM Method: SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01C	OUTFALL #1

Analyte	Result	Rep Limit
1,2,4-Trichlorobenzene	ND	5.0
1,2-Dinitrobenzene	ND	10
1,2-Diphenylhydrazine	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
2,3-Dichlorophenol	ND	5.0
2,4-Dichlorophenol	ND	5.0
2,4-Dimethylphenol	ND	5.0
2,4-Dinitrophenol	ND	20
2,4-Dinitrotoluene	ND	5.0
2,5-Dichlorophenol	ND	5.0
2,6-Dichlorophenol	ND	5.0
2,6-Dinitrotoluene	ND	5.0
2-Chloronaphthalene	ND	5.0
2-Chlorophenol	ND	5.0
2-Nitrophenol	ND	10
3,3'-Dichlorobenzidine	ND	5.0
3,4-Dichlorophenol	ND	5.0
3-Chlorophenol	ND	5.0
4,6-Dinitro-2-methylphenol	ND	10
4-Bromophenyl phenyl ether	ND	5.0
4-Chloro-3-methylphenol	ND	5.0
4-Chlorophenyl phenyl ether	ND	5.0
4-Nitrophenol	ND	20
Acenaphthene	ND	5.0
Acenaphthylene	ND	5.0
Anthracene	ND	5.0
Benz(a)anthracene	ND	5.0
Benzidine	ND	20
Benzo(a)pyrene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Bis(2-chloroethoxy)methane	ND	5.0
Bis(2-chloroethyl)ether	ND	5.0
Bis(2-chloroisopropyl)ether	ND	5.0
Bis(2-ethylhexyl)phthalate	ND	5.0
Butyl benzyl phthalate	ND	5.0
Chrysene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Diethyl phthalate	ND	5.0
Dimethyl phthalate	ND	5.0
Di-n-butyl phthalate	ND	5.0
Di-n-octyl phthalate	ND	5.0
Fluoranthene	ND	5.0
Fluorene	ND	5.0
Hexachlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

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Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 05010597
Lab Batch ID: 34578

Method Blank

RunID: A_050122B-1330312 Units: ug/L
Analysis Date: 01/22/2005 4:22 Analyst: ADS
Preparation Date: 01/17/2005 8:00 Prep By: CAM Method: SW3510B

Analyte	Result	Rep Limit
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Isophorone	ND	5.0
Naphthalene	ND	5.0
Nitrobenzene	ND	5.0
N-Nitrosodimethylamine	ND	5.0
N-Nitrosodi-n-propylamine	ND	5.0
N-Nitrosodiphenylamine	ND	5.0
Pentachlorophenol	ND	10
Phenanthrene	ND	5.0
Phenol	ND	5.0
Pyrene	ND	5.0
Surr: 2,4,6-Tribromophenol	59.1	37.5-122
Surr: 2-Fluorobiphenyl	60.6	35.8-103
Surr: 2-Fluorophenol	33.7	10-71.9
Surr: 4-Terphenyl-d14	58.3	38.9-120
Surr: Nitrobenzene-d5	57.2	30.2-105
Surr: Phenol-d5	23.9	10-84.5

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: A_050122B-1330313 Units: ug/L
Analysis Date: 01/22/2005 4:55 Analyst: ADS
Preparation Date: 01/17/2005 8:00 Prep By: CAM Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,2,4-Trichlorobenzene	50	24.9	49.8	50.0	31.6	63.1	23.5	28	26.6	107
1,4-Dichlorobenzene	50	19.3	38.6	50.0	24.9	49.8	25.4	28	26.5	103
2,4-Dinitrotoluene	50	27.1	54.2	50.0	29.9	59.9	9.9	38	44.7	104
2-Chlorophenol	75	34.8	46.4	75.0	37.7	50.2	8.0	40	29.4	93
4-Chloro-3-methylphenol	75	37.1	49.5	75.0	39.6	52.8	6.5	42	26.5	94.1
4-Nitrophenol	75	19.3	25.8	75.0	0	0 *	200.0	50	10	128
Acenaphthene	50	28.2	56.5	50.0	31.2	62.3	9.9	31	33.9	100
N-Nitrosodi-n-propylamine	50	28.4	56.8	50.0	31.4	62.9	10.2	38	35.2	101
Pentachlorophenol	75	41.8	55.7	75.0	16.1	21.5 *	88.6	50	25.1	108
Phenol	75	18.4	24.5	75.0	22.0	29.3	17.8	42	10	118
Pyrene	50	28.0	56.0	50.0	30.3	60.6	7.8	31	49.2	101

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Analysis:	Semivolatile Organics by Method 8270C	WorkOrder:	05010597
Method:	SW8270C	Lab Batch ID:	34578

Qualifiers:	ND/U - Not Detected at the Reporting Limit	MI - Matrix Interference
	B - Analyte detected in the associated Method Blank	D - Recovery Unreportable due to Dilution
	J - Estimated value between MDL and PQL	* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

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Analysis: Volatile Organics Method 8260B
Method: SW8260B

WorkOrder: 05010597
Lab Batch ID: R92327

Method Blank

RunID: Q_050119C-1323556 Units: ug/L
Analysis Date: 01/19/2005 17:29 Analyst: MHW

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01I	OUTFALL #1
05010597-02A	TRIP BLANK

Analyte	Result	Rep Limit
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
2-Chloroethyl vinyl ether	ND	10
Acrolein	ND	50
Acrylonitrile	ND	60
Benzene	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	10
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	10
Chloroform	ND	5.0
Chloromethane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Methylene chloride	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Vinyl chloride	ND	10
trans-1,2-Dichloroethene	ND	5.0
Surr: 1,2-Dichloroethane-d4	98.1	72.6-128
Surr: 4-Bromofluorobenzene	87.3	76.6-114
Surr: Toluene-d8	97.9	84.9-111

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: Q_050119C-1323557 Units: ug/L
Analysis Date: 01/19/2005 17:56 Analyst: MHW

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,1-Dichloroethene	50	51.7	103	50.0	49.2	98.3	5.1	22.1	70.1	139
Benzene	50	49.1	98.2	50.0	47.2	94.3	4.1	12	83.4	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Analysis: Volatile Organics Method 8260B
Method: SW8260B

WorkOrder: 05010597
Lab Batch ID: R92327

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: Q_050119C-1323557 Units: ug/L
Analysis Date: 01/19/2005 17:56 Analyst: MHW

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Chlorobenzene	50	54.3	109	50.0	50.9	102	6.4	10.1	83.2	117
Toluene	50	54.2	108	50.0	50.6	101	6.9	11.6	79.7	120
Trichloroethene	50	51.7	103	50.0	50.4	101	2.4	13.9	78.3	124

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05010568-03
RunID: Q_050119C-1323567 Units: ug/L
Analysis Date: 01/19/2005 22:27 Analyst: MHW

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	1000	997	99.7	1000	976	97.6	2.09	44.1	68.7	132
Benzene	4360	1000	5630	N/C	1000	5450	N/C	N/C	35.1	76.9	130
Chlorobenzene	ND	1000	1050	105	1000	1020	102	3.52	14.1	77.8	118
Toluene	12200	1000	13500	N/C	1000	13000	N/C	N/C	20.2	73.1	125
Trichloroethene	ND	1000	1030	103	1000	1010	101	2.04	12.8	76.4	115

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

2/2/2005 8:37:41 AM

Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

DESOTO PARISH LANDFILL

DESOTO PARISH LANDFILL

Analysis: Chromium, Hexavalent by SW846 7196A
Method: SW7196A

WorkOrder: 05010597
Lab Batch ID: R92016

Method Blank

RunID: WET_050114M-1319424 Units: mg/L
Analysis Date: 01/14/2005 17:00 Analyst: LB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01G	OUTFALL #1

Analyte	Result	Rep Limit
Chromium, Hexavalent	ND	0.010

Laboratory Control Sample (LCS)

RunID: WET_050114M-1319425 Units: mg/L
Analysis Date: 01/14/2005 17:00 Analyst: LB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chromium, Hexavalent	0.2	0.2041	102.0	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05010597-01
RunID: WET_050114M-1319427 Units: mg/L
Analysis Date: 01/14/2005 17:00 Analyst: LB

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chromium, Hexavalent	ND	0.2	0.1771	88.55	0.2	0.1756	87.80	0.8506	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

2/2/2005 8:37:41 AM

Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

DESOTO PARISH LANDFILL

DESOTO PARISH LANDFILL

Analysis: Phenolics,Total Recoverable
Method: SW9065
WorkOrder: 05010597
Lab Batch ID: R92671

Method Blank

RunID: WET_050125R-1327968 Units: mg/L
Analysis Date: 01/25/2005 16:04 Analyst: AG

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01H	OUTFALL #1

Analyte	Result	Rep Limit
Phenolics,Total Recoverable	ND	0.010

Laboratory Control Sample (LCS)

RunID: WET_050125R-1327969 Units: mg/L
Analysis Date: 01/25/2005 16:04 Analyst: AG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Phenolics,Total Recoverable	0.05	0.05600	112.0	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05010484-09
RunID: WET_050125R-1327971 Units: mg/L
Analysis Date: 01/25/2005 16:04 Analyst: AG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Phenolics,Total Recoverable	ND	0.05	0.04500	90.00	0.05	0.04800	96.00	6.452	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

2/2/2005 8:37:41 AM

Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

DESOTO PARISH LANDFILL

DESOTO PARISH LANDFILL

Analysis: Cyanide, Total
Method: SW9010B

WorkOrder: 05010597
Lab Batch ID: R92690

Method Blank

RunID: WET_050125X-1328161 Units: mg/L
Analysis Date: 01/25/2005 14:00 Analyst: AG

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05010597-01F	OUTFALL #1

Analyte	Result	Rep Limit
Cyanide	ND	0.010

Laboratory Control Sample (LCS)

RunID: WET_050125X-1328162 Units: mg/L
Analysis Date: 01/25/2005 14:00 Analyst: AG

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Cyanide	0.2	0.2042	102.1	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05010597-01
RunID: WET_050125X-1328164 Units: mg/L
Analysis Date: 01/25/2005 14:00 Analyst: AG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Cyanide	ND	0.2	0.1941	97.05	0.2	0.1960	98.00	0.9741	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

2/2/2005 8:37:42 AM

Sample Receipt Checklist

And

Chain of Custody

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Sample Receipt Checklist

Workorder:	05010597	Received By:	DS
Date and Time Received:	1/14/2005 4:15:00 PM	Carrier name:	SPL-Driver-No. LA
Temperature:	4°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
3.	Custody seals intact on sample bottles?	Yes ☑	No ☐	Not Present ☐
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels?	Yes ☑	No ☐	
7.	Samples in proper container/bottle?	Yes ☑	No ☐	
8.	Sample containers intact?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test?	Yes ☑	No ☐	
10.	All samples received within holding time?	Yes ☑	No ☐	
11.	Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
12.	Water - VOA vials have zero headspace?	Yes ☑	No ☐	Not Applicable ☐
13.	Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 236317

0501 0597

page ___ of ___

Client Name: Mundy Landfill
Address: 2712 Hwy 84 East, Mansfield, LA.
Phone/Fax: 318-872-2500
Client Contact: Pete Chreene Email:
Project Name/No.: Outfall #1
Site Name: Mundy Landfill
Site Location: Mansfield, La. 71052
Invoice To: DeSoto Parish Police Jury Ph: 318-872-0739

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TAL METals	Dioxins (Sub to Eco Lab)	PH erols	VOC	SVOC	Pest/PCB	Cyanide/Free CN	Herb	Hex Cr
9 OUTFALL #1	1-14-05	8:38am		X	W	G	40		9	1								
1	1-14-05	8:42am		X	W	A	1		12		3			3	3		3	
	~~[illegible]~~	~~[illegible]~~																
1	1-14-05	8:52am		X	W	P	250	X	1							1		
	1-14-05	9:50am		X	W	P	1		1							1		1
1	1-14-05	8:36am		X	UNPRESERVED	P	16	2	1	1								
	1-14-05				VOA			3	1			1						

Client/Consultant Remarks:

Laboratory remarks: Client, Y572, W4,3,4,7,3W, 2

Intact? Y N
Ice? Y N
Temp: 4 C

Requested TAT: Contract ☐ 72hr ☐ 24hr ☐ Standard ☐ 48hr ☐ Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Sherman Gaffford	1/14/05	9:56	2. Received by: Terry Mouton
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by: Cotton	date 1/14/05	time 16:15	6. Received by laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

OUTFALL # 001

pH RESULTS 7.05

DATE 1-14-05

SAMPLING INFORMATION SHEET

OUTFALL # 001 DATE 1-14-05

TIME 9:00

SAMPLE CAUGHT BY Sherman Youngblood

TITLE Superintendent

PH TESTING INFORMATION

Tested by Sherman Youngblood Title Superintendent

Testing equipment neutralized in Distilled Water (Y) or N

Meter Calibrated (Y) or N To pH Buffer 4, (7) 10

Buffer Temperature 19 C

Sample Temperture 13 C

Testing Time 9:00 (a.m.) p.m.

Smaple Results 7.05 pH

Meter calibration tested after analysis (Y) or N Results 7.05 pH

Approved Sherman Youngblood

Title Superintendent

ATTACHMENT C

ENVIRONMENTAL IMPACT QUESTIONNAIRE

SECTION VII - ENVIRONMENTAL IMPACT QUESTIONNAIRE

1. Have the potential and real adverse environmental effects of the proposed facility been avoided to the maximum extent possible?

In general, there are many potentially harmful environmental effects from improper solid waste disposal. Waste disposal techniques and procedures developed for landfills, like the Mundy Landfill, prevent environmental damage from regulated disposal of solid wastes, as well as the much more serious effects that would occur if such facilities were not used. Landfills allow proper disposal, treatment, and monitoring of solid wastes and provide environmental barriers for the containment of pollution-causing materials. The concept of landfills, the establishment of the Louisiana Department of Environmental Quality (LDEQ), and the writing, constant updating, and enforcement by LDEQ of the Solid Waste Rules and Regulations (SWRR) and landfill permits demonstrate the importance placed on the prevention of possible harmful consequences. The design, construction, and operation of the Mundy Landfill prevents such consequences in the following ways.

GROUNDWATER EFFECTS. Possibly the worst of the potentially harmful effects of solid waste disposal is groundwater pollution, because of the difficulties in detecting and correcting this type of contamination, and the importance of uncontaminated groundwater for local water supplies. Groundwater contamination can result in the pollution of water wells and harmful effects to public health, and contamination of surface waters, endangering wildlife, agriculture, and recreational facilities. The importance placed on groundwater protection is evident in the emphasis of every requirement of the SWRR on preventive measures.

Groundwater may become contaminated in two ways. Disposed wastes have liquids in them, and rainfall can collect in disposal areas that include no measures to prevent it. Long term contact of liquids with decomposing solid wastes can result in the liquids becoming highly polluted. Such liquids are called leachate, and leachate seepage into the ground until reaching groundwater can cause groundwater pollution. Leachate can also flow overland until reaching waterways downstream from the disposed wastes. Such waterways may feed or be fed by groundwater, and pollution of the surface water can indirectly result in pollution of the groundwater.

The first step in preventing groundwater pollution is selection of a site which minimizes the chance of this happening. Some of the many advantages of the site selected for the Mundy Landfill include the thickness of the layers of native clay materials below the ground surface, the suitability of those materials for compacted clay liner and cap construction, and the depths of aquifers used for water supplies, all of which are crucial to the protection of groundwater. The Naborton formation is a subsurface formation of very dense clay up to 450 feet thick. The density of this material makes penetration of it by groundwater very slow and difficult. Groundwater travels much faster through sand and silt layers, and since liquids typically flow in the direction of least resistence, the clays below and above sand and silt layers usually confine groundwater flow to those layers. Aquifers in the vicinity of the landfill that are used for drinking water are at depths that allow construction of disposal cells and treatment ponds above the surface of the groundwater table, although there are some thin sand zones near the surface. The location of the regional aquifers deep beneath the landfill, with over one hundred feet of natural clay separating them from disposed waste materials, protects the groundwater from contamination.

The second step in preventing groundwater pollution is the use of environmental barriers to separate groundwater from disposed wastes. Construction requirements for landfills include low permeability liners

and caps to contain wastes within disposal cells, while keeping groundwater out, and wastewater systems to collect and treat leachate and contaminated stormwater before releasing it to the environment. Disposal cell bottom liners include compacted clay materials that are a minimum of three feet thick, with densities and permeabilities that are superior to even the natural clay materials, resulting in several feet of very dense and impermeable clay between disposed waste materials and the environment. Recent construction at the Mundy Landfill (Cell VI and Cell VII, Phase 1) complies with improved construction techniques that include composite liners which have a plastic membrane installed on top of the clay liner, for added containment of leachate within the cell. Construction plans for Cell VIII also include a composite liner. The combination of recompacted clay liner and plastic liner is superior to either alone at preventing seepage of leachate out of the cell. The plastic is installed as panels that are overlapped and welded at their seams, which makes the seams as strong and impermeable as the panels themselves. When construction is complete, the plastic is essentially an impermeable "bowl" which contains the waste materials and keeps them from contaminating groundwater.

Atop the plastic membrane is placed a geotextile fabric which improves drainage across the liner and helps protect the liner from damage. On the bottom of the cell, above the fabric, a 12-inch thick layer of sand is placed as a filter and additional liner protection. The sand allows liquids to penetrate to the liner and collection piping, while any solids being carried by the liquids are trapped by the sand and kept within the cell. Since sand cannot be kept on the side slopes of the cell without it sliding down during rain, soil is placed in these locations over the liner to protect it from damage during construction and disposal operations. Leachate flows over the top of the soil liner cover and down to the bottom of the cell, where the sand filter blanket is located. These features protect groundwater by keeping waste solids within the cell and allowing liquid wastes (leachate) to be removed for treatment at the onsite wastewater plant.

Leakage into and out of waste areas is controlled by the construction of leachate collection and removal systems and nearly impermeable cell liners and caps. The native clay soils at the Mundy Landfill are capable of being compacted to achieve permeabilities that are significantly lower (better) than those required by the SWRR. The SWRR requires compaction of the clay liner materials to achieve a permeability rate of 1×10^{-7} cm/sec, or less. The materials and construction techniques at the Mundy Landfill result in liner permeabilities that reduce advective flow even more. Since liquids travel the path of least resistence, they will tend to flow across the top of the cell liner until intercepted by the collection piping, which will carry the liquids out of the cell and to the wastewater treatment plant. These features protect groundwater by keeping wastes contained within the disposal cell and separated from groundwater.

The bottoms of cell liners are sloped toward the collection piping, and the piping is placed in swales to increase the rate of interception. A system grid is installed that minimizes the distance leachate must flow before being picked up by the piping. This distance is 100 feet, in accordance with the SWRR. These design and construction features of the cell increase the interception of leachate by the piping and decrease the likelihood that leachate will seep through the liner, out of the cell, and into groundwater.

The eastern portion of Cell VII, Phase 1 is constructed on top of old disposal cells that were closed in 1997 (Cells II - IV). This is done to maximize the use of the property for waste disposal. Before the new cell liner was installed, the thickness of the closure cap over the wastes in the old cells was verified to exceed the thickness required by the landfill permit and the SWRR. On top of this compacted clay cap, a geocomposite is installed to promote gas migration, then more clay (at least 12 inches) is placed and compacted to achieve the same permeabilities mentioned above. On top of this clay liner, a geosynthetic clay liner (GCL) is placed. The GCL is a fabric which encloses a special type of clay called sodium bentonite. Sodium bentonite swells to many times its normal volume and density when it gets wet, and so is an excellent

material for sealing leaks in compacted clay liners. The GCL is topped by a 60-mil HDPE plastic membrane, cushion fabric, and a protective soil layer. Any liquids that penetrate the soil, geotextile, and plastic membrane will hit the GCL, at which time the sodium bentonite will hydrate and become more impermeable, preventing the liquids from penetrating any further through the liner and possibly entering groundwater.

When the available space is exhausted in a cell, disposal is discontinued or relocated to another area, and the cell is closed. Closure includes materials and procedures that keep rainfall and surface runoff out of the cell and away from the disposed wastes. This separation prevents the water from becoming contaminated by contact with decomposing waste materials. The closure cap installed over the waste materials is composed of native clay compacted to a final thickness of at least two feet and to the permeability required for the cell liner. For Cells VI, VII, and VIII, a plastic cover similar to the HDPE liner discussed above will be placed over the clay cap. For Cell VI the HDPE cover will cover the entire cap. For Cell VII, Phase 1 and Cell VIII, the HDPE cover will be installed over the flat slopes on the peak of the cell. This construction meets the requirements of the SWRR and is proven to exclude almost all of the exterior water from entering the closed disposal cell. This protects the groundwater by reducing the quantity of contaminated water and leachate generated by the disposal cell, and keeping the wastewater treatment plant from being surcharged to the point where its efficiency and effectiveness in treating the wastewater is reduced.

All of these features are constructed using procedures to guarantee that the materials used in the construction, the people and equipment employed to install them, and the procedures all combine to provide a final product which at least meets the requirements of the SWRR. These quality assurance and quality control (QA/QC) procedures include:

- the design of the disposal cell by professional engineers who are trained in this work and licensed by the state;
- the permitting of the proposed design and construction by the LDEQ;
- inspection of all environmental construction by qualified inspectors under the direction of a professional engineer with the requisite expertise;
- testing by a laboratory which is LDEQ-accredited;
- inspection by LDEQ inspectors; and,
- the approval of the project construction by the LDEQ after completion and before disposal operations are begun.

These QA/QC procedures protect groundwater by ensuring that the construction procedures and materials utilized in the project are in conformance with the environmental regulations created to protect the groundwater.

The third step in preventing groundwater pollution is monitoring. The Mundy Landfill recently upgraded its groundwater monitoring system in accordance with the its revised Groundwater Sampling and Analysis Plan (SAP) dated June 2004. Implementation of the SAP began in 2005. Upgradient wells provide information about the natural constituents in the groundwater before it reaches the landfill. This information is compared to samples from the downgradient wells, with any discrepancies indicating possible leakage from the disposal cells. The wells are sampled on a semi-annual basis, after the establishment of background, and analyses conducted by a state-accredited environmental laboratory, with the results being submitted to LDEQ semi-annually. This system protects groundwater by allowing for the detection of any contaminants in the groundwater that may have leaked from waste disposal cells, and causing the immediate implementation of remediation procedures.

Other possible sources of groundwater pollution include the flooding of monitoring wells and the migration of landfill gases through the soil until they come in contact with groundwater. Protection of groundwater from these sources of pollution include the installation of wells in non-flood areas and the construction and operation of a landfill gas collection and venting system. The first prevents flooding of the wells, and the second employs procedures and equipment that remove landfill gases from disposal cells by venting them to the atmosphere, and monitor the migration of landfill gases through the ground.

All of these features of the Mundy Landfill design and construction prevent groundwater pollution by containing leachate and solid waste materials within the disposal cell, preventing groundwater from infiltrating into the disposal cell, minimizing the entry of surface runoff and rainfall into the disposal cell, removing leachate from the disposal cells to the wastewater plant for treatment, monitoring the release of all liquids from the landfill property, monitoring the groundwater for any possible leakage of waste materials from the cell, and ensuring that the proper construction materials and techniques are used.

SURFACE WATER EFFECTS. Contamination of streams is another possible adverse effect of solid waste disposal. Surface waters may be polluted by the release of leachate or contaminated storm water from disposed wastes, by the direct addition of such wastes to the surface waters, or indirectly by pollution of groundwater which serves as a source for the surface water (discussed above). Such pollution could affect public health, wildlife, agriculture, and recreation. Contamination of surface water occurs when rainfall or surface runoff comes into brief contact with solid waste, then continues to flow downhill until entering a body of water. Contaminated surface water is not as high strength and cannot pollute groundwater as much as leachate, but can cause harmful results. Leachate and contaminated stormwater were uncontrolled and unregulated products of the open dump system utilized for decades in not only DeSoto Parish, but many other locations. The Mundy Landfill was planned, designed, constructed, permitted, and operated to replace and eliminate such dumps.

The liners, closure caps, and leachate collection and removal systems discussed above were designed and constructed to control, contain, and separate polluted waters generated by solid waste disposal. These features of the landfill protect surface waters by collecting harmful liquids and conveying them to the wastewater treatment plant for removal of the waste products and conversion of the contaminated water to relatively harmless water which can be safely released to the environment.

All surface runoff exiting the landfill does so at one of four "outfalls." Three are along the north property line and the fourth is at the southeast corner. A fifth internal outfall discharges from the wastewater treatment plant, thence to one of the outfalls exiting the site. All five outfalls are sampled and monitored according to the current Louisiana Pollutant Discharge Elimination System (LPDES) water discharge permit issued to the landfill. This protects surface water by monitoring the waters exiting the site which will enter downstream waterways. A sixth external outfall is planned for the northwest side of the site to discharge surface runnoff from a sedimentation pond on the northwest side of Cell VIII. This outfall will be monitored in accordance with a revised LPDES permit to protect downstream waterways.

Sedimentation ponds collect runoff from newly constructed disposal cells and other areas denuded of vegetation, and hold such runoff for a period of time, until eroded soil materials carried by the runoff settle to the bottom of the ponds. The water is then allowed to exit the ponds and the site. Such treatment, while not pertaining directly to solid waste, prevents erosion of the site during construction and disposal operations from resulting in sediment buildup in downstream bodies of water, which could adversely affect wildlife and cause flooding.

Another protection for surface water is a system of controls for surface runon and runoff. Surface water outside the limits of disposal cells is prevented from entering the cells (runon) by a series of earthen berms and drainage ditches which channel the surface flow around and away from the cells. The water is discharged into the sedimentation ponds for removal of the silt. This prevents the brief contact of the water with disposed wastes that would turn it into contaminated stormwater and require its treatment at the on-site wastewater treatment plant. Contaminated water due to rainfall inside the cell (runoff) is contained by earthen berms and directed to collection piping for interception and conveyance to the water treatment plant. This prevents contaminated water from exiting the site without treatment.

These features of the Mundy Landfill design and construction prevent surface water pollution by containing leachate and solid waste materials within the disposal cell, minimizing the entry of surface runoff and rainfall into the disposal cell, controlling contaminated water within the cell, removing leachate from the disposal cell to the wastewater plant for treatment, directing silt-laden stormwater runoff to the sedimentation ponds for de-silting, and monitoring the release of all liquids from the landfill property.

AIR QUALITY EFFECTS. A third potentially harmful effect of solid waste disposal is pollution of the air. This could be caused by release of landfill gas generated by decomposing waste materials, either directly at the site of disposal or indirectly after migration of such gas through subsurface soils. Possible effects of air pollution include threat to human health, noxious odors, and explosions.

The Mundy Landfill includes features and procedures to control the migration and release of gas generated within the cell by waste decomposition. The site for the landfill was selected partly because it is relatively remote, with few residences and businesses close enough to be affected by gases. Disposal cell liners and caps are more impermeable than the wastes they contain, and trap and divert gas to collection systems which release the gas to the atmosphere at specified locations, where they can be tested and monitored. Air currents dissipate vented landfill gas before it becomes a nuisance to neighbors. Monitoring equipment is used by trained operators to ensure that gas concentrations within buildings and at the landfill boundaries, above and below ground, are less than levels stipulated in the SWRR, preventing explosions and migration outside the landfill limits. The facility's Landfill Gas Monitoring Plan details procedures and protocols to be employed by landfill personnel.

The siting of the Mundy Landfill, the passive landfill gas venting system designed and constructed for its waste disposal cells, and the landfill gas monitoring system prevent any harmful effects from air pollution. The June 1998 Initial Design Capacity Report required by and submitted to the LDEQ, used criteria supplied by that office to demonstrate that the gas collection and venting system installed at the Mundy Landfill is satisfactory in controlling landfill gas. The size of the facility, the types of wastes permitted for disposal, and the relatively small volume disposed daily result in the generation of quantities of landfill gas which are not harmful and can be handled by the gas system, as approved by the LDEQ.

VISUAL EFFECTS. Without proper operation, solid waste disposal can quickly become unsightly, due to uncovered wastes, blown paper, waste hauling traffic, dust, exposure of wastes and operations to local traffic, etc. People living in the vicinity or using roadways passing landfills may be exposed to such eyesores. While it is not possible to totally eliminate such problems, the location, construction, and operation of the Mundy Landfill minimizes such adverse effects as much as possible. The landfill is located in a rural, unpopulated area. Disposal cells which are visible from U. S. Highway 84 along the landfill's southern property line were all closed at the end of 1997, and are now vegetated and utilized as visual barriers to screen current disposal operations from the road. Active disposal cells are at low areas of the property and surrounded on all sides except the north by closed disposal cells or higher ground, which screen the active

areas from the highway. North of the property is undeveloped land, negating the need for screening in this direction. Additional screening is provided by the planting of vegetation along the southern property line.

Operational procedures of the landfill also prevent adverse visual effects and are part of the landfill permit. Disposed wastes must be covered at the end of each day with a spray-on material, or other approved daily cover, which covers the wastes and prevents windblown paper. Each week ends with the active disposal area that has not been covered with earthen cover, being covered with a minimum of six inches of soil, providing additional containment. Temporary closure of a disposal area must include an additional six inches of soil over the disposed wastes, and permanent closure requires construction of a cap consisting of a minimum of two feet of clay which must meet the materials and installation specifications of the compacted clay cell liner.

Litter fences are used around active disposal areas to prevent the escape of litter. Landfill personnel inspect and police the landfill on a regular basis to pick up litter and identify and repair any areas of temporary or permanent closure caps from which unsightly materials might escape. Dust is controlled by moistening dust source areas during times of no rainfall.

These features, construction measures, and operational procedures prevent adverse visual effects at the Mundy Landfill.

NOISE REDUCTION. Similar to adverse visual effects, noise can offset the benefits that a landfill provides to a community. Waste hauling traffic, landfill operational equipment, birds, and other sources can generate a significant amount of noise that would affect local residents. Many of the features of the Mundy Landfill that prevent noise pollution are discussed in the previous section. Noise is reduced by screening active disposal cells with surrounding features which are higher and contain the noise, by the daily covering of disposed wastes to prevent birds from gathering, and by the siting of the landfill in a remote area. Also, the operational hours limit disposal operations to those times which would cause the least disturbance to local residents. These many factors keep noise from disturbing any local residents and the landfill from becoming a nuisance.

VECTORS. Landfills are recognized sources of food and shelter for disease-causing animals, such as birds, insects, and rodents. These wild animals are called vectors and can carry diseases which are harmful to people and other animals. Even healthy animals, wild or tame, can be harmful to local traffic, nuisances to nearby residents, and problems for agriculture. The SWRR require the control and elimination of vectors by such methods as daily, interim, and final covers for disposed wastes, use of approved pesticides, control of wastes within disposal cells, daily site inspections, and other procedures. The Mundy Landfill observes and practices all approved methods for controlling vectors using procedures that have historically prevented vectors from being a problem at this facility.

DEVELOPMENT. As described above, the Mundy Landfill is located in a rural, unpopulated area of DeSoto Parish. There are no master, zoning, or development plans for the area, existing or anticipated. The few neighbors that the landfill has have never objected to its presence and operation. This lack of development prevents the landfill from being a nuisance.

Public hearings were conducted when the landfill was being planned, and the public endorsed the plan. All permit modifications over the subsequent 21 years have required advertisement and public viewing periods, with no objections being voiced. The DeSoto Parish Police Jury (DPPJ) and its Solid Waste Committee meet at least monthly in public forums, to which residents are allowed to express concerns or

problems, and none have done so. The landfill is sufficiently distant from its neighbors and operated in such a way that there have been no complaints directed to the DPPJ.

REAL ADVERSE EFFECTS. There are few real adverse effects that have resulted from the operation of the Mundy Landfill, those being the occasional unavoidable problems which are inherent to solid waste disposal, and which are more nuisances than real problems. Significant adverse effects, such as air, water, and groundwater pollution, are unknown at this facility, having been prevented by its planning, siting, design, construction, permitting, and operation. The lesser nuisances like occasional traffic, dust, noise, and visual problems are heavily outweighed by the serious adverse effects which existed before the landfill was built. This facility was conceived to improve the previous solid waste management system in DeSoto Parish, which consisted of open dumps and littering. During its history, the landfill has fulfilled its purpose of providing the residents of the parish with an environmentally safe location and method for disposing of solid wastes.

CONCLUSION. The permitting, construction, and operation of the Mundy Landfill meet or exceed all of the current regulations and technology for landfill construction. As described above, the many potential adverse effects of landfill operation are mitigated or eliminated by its design, and the multitude of much more serious consequences of open dump disposal and dumping of waste materials along the roads or in the forests, as practiced before the landfill was built, are prevented. The Mundy Landfill has a history and tradition of providing safe, economical, and efficient disposal of solid wastes for the citizens of DeSoto Parish. The continued use of this facility will provide improved protection to the public health and the environment of DeSoto Parish, Louisiana.

2. Does a cost-benefit analysis of the environmental-impact costs balanced against the social and economic benefits of the proposed facility demonstrate that the latter outweighs the former?

Having determined the potential and real adverse impacts of the landfill, it is possible to compare the environmental, social, and economic costs of the facility with its environmental, social, and economic benefits. As part of this evaluation, one must also consider the costs and benefits of the likely alternatives to the landfill, which were considered prior to the adoption of the landfill concept and are described in the following section. Each alternative will be discussed below.

OPEN DUMPS. The system of solid waste management practiced in DeSoto Parish prior to the construction of the Mundy Landfill was recognized as being detrimental to the environment and to human health and safety. There were at least 14 open dumps in DeSoto Parish, which were characterized by the Northwest Coordinating and Development Council as failing to meet sanitation requirements and resulting in a total lack of any organization for solid waste disposal in the parish. Some of the problems rising from open dump operation included open fires, stray animals and other potential disease vectors, and littered roadways throughout the parish, along with a total lack of control over what materials were disposed. This obviously inadequate solid waste disposal system posed a serious threat to the environment and human health and was ordered to be closed by the LDEQ prior to July 1985, which would have left the residents of DeSoto Parish with no disposal capabilities whatsoever without the Mundy Landfill.

COMMERCIAL DISPOSAL. Commercial disposal of the parish's solid waste would have been the most environmentally friendly solution to the parish's solid waste disposal dilemma. The ability to have a waste hauling company collect all waste materials, remove them from the parish, and properly dispose of them would eliminate all potential adverse impacts on the environment and much of the DeSoto Parish Police Jury's liability for them. This option would also compare favorably with any kind of local disposal facility

when the problems typically associated with such a facility, such as odors, noise, dust, animals, etc., were considered. These factors would have been the reasons for popular support for this alternative.

The disadvantages outweighed the advantages, however. Although there would be no capital costs for construction of a facility and purchase of equipment, the proposals solicited by the DPPJ from several waste haulers indicated that the cost of commercial disposal would be prohibitive. There would be no separate revenue source from which to pay for this service, requiring either the raising of collection rates or allowing the disposer to set rates. Either would have resulted in higher rates, which would have been opposed by parish residents and could be expected to become a political issue. Allowing the disposer to set the rates would have required the DPPJ to police those rates to prevent them from becoming excessive.

Interruption of waste collection would be possible, due to bad weather, contract termination, or employee strikes. Residents would not be able to dispose of waste that the commercial hauler would not collect, due to size or type, and would have to wait for the next scheduled collection day to get rid of waste that they would prefer having removed immediately, storing it on their properties until then. Any of these situations could have resulted in littering and open dumping, damaging the environment.

Attempts by the DPPJ to encourage economic development by soliciting companies to relocate to the parish would have been damaged by this alternative. A lack of local disposal facilities would be considered by such businesses a disadvantage to siting in DeSoto Parish, due to necessary costs for waste disposal outside the parish. Use of a commercial disposer also would not have been likely to result in jobs for parish residents.

Comparison of the advantages and disadvantages of commercial disposal caused the DPPJ to discontinue consideration of this alternative.

INCINERATION. Incineration was another option considered by the DPPJ for replacement of the open dump system of solid waste disposal. Such a facility would eliminate to a large extent the dangers of groundwater and surface water pollution, but would intensify the possibility of pollution of the air and resultant human health problems. Location of the plant was expected to be a major political issue, due to anticipated odors, noise, and fears of exposure to air pollution.

Investigation into this method quickly revealed that incineration would not satisfy the disposal needs of the parish, and was prohibitively expensive. This cost factor would force the raising of collection rates, which would be an unfavorable issue, both economically and politically. Another economic matter would be the cost of maintaining the collection service, with no revenue source available to the DPPJ to pay for it. The potential for revenue generation from energy production was offset by the capital costs of the generation and distribution facilities necessary to take advantage of energy production. A third financial matter was the likelihood of having to continually modify the plant to maintain compliance with constantly changing regulations and stricter controls.

Another consideration was the complexity of the technology. The training of local people in operation of an incineration facility would be difficult and costly, and might involve bringing in experienced operators from other locations, instead of easing the parish unemployment situation by hiring locally. Incineration would also be inappropriate to some companies considering siting in DeSoto Parish, leaving such companies without demonstrated, available waste disposal capabilities, thus jeopardizing the economic development to be realized from new industries relocating to the parish.

Comparison of the advantages and disadvantages of incineration caused the DPPJ to discontinue consideration of this alternative.

RESOURCE RECOVERY AND RECYCLING. While incineration would not satisfy the solid waste disposal needs of the parish, these needs would not satisfy the capabilities of resource recovery and recycling (RRR). Such operations require a very large waste stream to be economically viable, and this would be unavailable in DeSoto Parish. The prohibitive cost of construction and operation would, as discussed above, require collection rate increases which would be opposed by parish residents as an unreasonable burden. The facility would not eliminate the need for disposal of the separated, unrecycleable materials, which would be another cost on the parish. Changing regulations and stricter controls would require frequent capital outlays for plant improvements. Finally, the volatility of the markets for recyclable materials resulted in the inability to estimate the revenue that could be generated by a RRR plant.

A RRR plant would have many environmental disadvantages without offsetting advantages. Separation of the waste stream would leave a large quantity of solid waste that would still have to be disposed. Potentials for groundwater and surface water pollution from stored wastes awaiting processing would require the construction of lined storage cells, wastewater treatment facilities, surface water control features, etc. Odors and decomposition gases from stored wastes awaiting processing would not be controlled, causing nuisances and possible threats to the health of neighboring residents. These issues would result in problems in siting the facility and political opposition to this alternative. Control of birds, insects, and rodents would be a problem, which would upset neighbors and eventually become a political issue. Similar to incineration, some industries considering relocation to DeSoto Parish would be unable to utilize a RRR facility for their solid waste disposal needs, forcing them to go elsewhere.

Comparison of the advantages and disadvantages of resource recovery and recycling caused the DPPJ to discontinue consideration of this alternative, although there was agreement that such a facility could possibly be included in whatever solid waste disposal option was eventually adopted and implemented.

SANITARY LANDFILL FOR USE BY DESOTO PARISH ALONE. Evaluation of a sanitary landfill as a possible solid waste disposal solution for DeSoto Parish led to its eventual implementation. Research into landfills revealed that such facilities are relatively inexpensive to construct and operate, and involve non-complex but proven technology which would lend itself to the training of local residents as operators, easing the parish unemployment problem. Landfill technology was considered well suited to DeSoto Parish, due to the extent of subsurface soils with suitable characteristics for containment liners, and large, undeveloped, rural areas to be used. The facility could be owned and operated by the DPPJ, which would ease the concerns about interruption of collection and disposal services due to contract problems or strikes. Funding could be provided by bond issues, instead of raising collection fees.

A local landfill would be attractive to industries considering relocation to DeSoto Parish, allowing the DPPJ to market the landfill for economic development. It would provide a site for parish residents to conveniently dispose of waste items that the collection system cannot accommodate and other items that need to be disposed of immediately, instead of having to wait for the next scheduled collection day. Location of the facility in a remote, undeveloped part of the parish would minimize concerns of odors, noise, and other nuisances. These factors led to the expectation of little opposition to this kind of facility.

Research indicated that a properly sited, constructed, and operated landfill would not be a threat to the environment. The possibilities for water, groundwater, and air pollution would be present, but there were technologies available to minimize or totally eliminate those dangers. Most of these technologies had already

been proven at other landfills or in other applications which could be adapted to landfill construction. Construction techniques for clay liners resulted in very low permeabilities, preventing groundwater and air pollution from leachate and landfill gas, respectively. Features could be included to control surface water runon and runoff, preventing any contamination of the surrounding streams and bayous. Leachate treatment could be achieved by types of normal wastewater treatment. State and federal agencies were available for advice and direction.

Initially, a facility to be used only for parish residents was considered. Financial evaluations indicated that such a project was feasible, but that a regional landfill would generate enough revenue to be self-sufficient.

LANDFILL WITH POTENTIAL REGIONAL USE. The regional landfill concept was finally adopted and implemented. The use of a service area including areas outside the parish extended the benefits of inexpensive solid waste disposal to other areas of the state, and even outside Louisiana. Red River Parish initially indicated its willingness to participate in the project on a tipping fee basis, but the Mundy Landfill now receives waste from several areas of the state and eastern Texas. This expansion of the concept has resulted in the discovery that the landfill can pay its operational costs and not use DPPJ revenue that is needed elsewhere.

The Mundy Landfill has been a source for much needed jobs to lower the unemployment rate in the parish. It has been used as a marketing tool, as a benefit to be considered by companies investigating the possibility of locating to DeSoto Parish. Parish residents have demonstrated acceptance of the facility and the convenience it provides by consistently voting bond issues for its development and improvement.

The landfill has also proven to be an economic boon to the parish. It provides free disposal for parish residents, and revenues generated by its tipping fees are used to keep taxes down in this rural parish dominated by low- to middle-income residents and unemployment.

CONCLUSION: A cost-benefit analysis demonstrates conclusively that a solid waste landfill with regional use is the optimum means of providing for the solid waste disposal needs of DeSoto Parish. Many alternatives were considered by the DPPJ, and their selection of a landfill has been a major improvement to the parish. The facility has been consistently upgraded to conform to updates in the Solid Waste Rules and Regulations, resulting in little adverse impact on the environment. The many features of construction and operation described in other sections of this Environmental Impact Questionnaire have prevented any significant adverse environmental or public health impacts. Construction of the landfill as a replacement of the previous open dump concept which was outlawed by the state has, in fact, dramatically improved the area's environmental condition by eliminating the problems with the open dump system. The Mundy Landfill provides a very satisfactory method of solid waste disposal while improving the protection of the air, water, and groundwater of the parish and ensuring no adverse health effects due to solid waste disposal.

3. Are there alternative projects which would offer more protection to the environment than the proposed facility without unduly curtailing nonenvironmental benefits?

The DeSoto Parish Police Jury (DPPJ) conducted an extensive study of alternative methods of solid waste disposal for the parish. The following options were considered, evaluated, and reported in the 1985 original solid waste disposal permit application:

OPEN DUMPS. The system of solid waste disposal prior to 1985 was a series of at least 14 open dumps parish-wide, which were determined to be unsanitary and out of compliance with most environmental regulations. These facilities were beset by fires, lack of control, insects, birds, and rodents, and could not be utilized, even with substantial improvements, in a new solid waste disposal program. All open dumps had to be closed, by order of the LDEQ, prior to July, 1985.

COMMERCIAL DISPOSAL. Project planners conducted preliminary interviews and investigations with the relatively small number of commercial waste disposers operating within the state. None of these firms presented proposals which were financially acceptable to the DPPJ. Therefore, utilization of this alternative was determined to be unacceptable under the present market conditions.

INCINERATION. A brief review of the potential use of incineration as a solid waste disposal method was conducted by project planners. It was found that an incinerator would not satisfy the total disposal needs of the parish. Also, the costs of the systems available were prohibitive. Therefore, utilization of incineration was determined to be unacceptable under the present market conditions.

RESOURCE RECOVERY AND RECYCLING. Preliminary investigations were conducted by parish planners as to the feasibility of resource recovery and recycling as a potential solid waste disposal methodology. State-of-the-art technology did not lend itself to the relatively small production level anticipated for the proposed service area. Therefore, utilization of this alternative was determined to be unacceptable at this point in time, although probable improvements in the existing technology may make it feasible in the future.

SANITARY LANDFILL FOR USE BY DESOTO PARISH ALONE. The studies conducted by the Northwest Coordinating and Development Council (NWCDC) evaluated available disposal methodologies. NWCDC concluded:

> *"A sanitary landfill is recommended to DeSoto Parish as the most appropriate method of solid waste disposal for the following reasons:*
>
> 1. *Landfilling, when maintained properly, is environmentally satisfactory to EPA standards.*
> 2. *DeSoto Parish has received a Farmers Home Administration (601) Assistance Grant for site acquisition and development of a sanitary landfill.*
> 3. *Landfill is the most economically feasible method of solid waste disposal.*
> 4. *Landfills adapt easily to high or low peak flows without operational effects."*

Subsequent evaluations conducted by Russell Engineering as part of the "statewide engineering studies" concluded that a sanitary landfill to be utilized for DeSoto Parish as a stand-alone entity would be feasible and environmentally acceptable.

LANDFILL WITH POTENTIAL REGIONAL USE. The DPPJ decided to develop a landfill with potential for regional use. This alternative was evaluated and determined to be the most acceptable on the following basis:

1. Use of a sanitary landfill had proven feasible for DeSoto Parish alone.
2. State planning and regulatory authorities had concluded through statewide studies that regional landfills would be more economical, while reducing potentially adverse environmental impacts.

4. At least one adjoining parish had expressed interest in participating on a tipping-fee basis.
5. Other lands immediately adjacent to the proposed site proved to be readily available, thus allowing for simple expansion of the initial facilities.

As a result, the proposed alternative was to develop a sanitary landfill with potential for utilization on a regional basis, which would result in a minimum of adverse environmental impact, while maintaining economic viability.

CONCLUSION: There are no alternative projects that are considered to offer more protection to the environment without unduly curtailing nonenvironmental benefits. An extensive investigation into the many options was conducted by the DPPJ with assistance from state regulatory agencies and professional consultants. The development and operation of a single landfill was selected and has proven to be the most environmentally acceptable and affordable option available to DeSoto Parish. The operation of this facility has proven to be a boon not only to the parish, but to surrounding areas which deposit their refuse at the landfill. The Mundy Landfill has been an existing facility since 1986, now approaches status as a regional landfill for northwest Louisiana, and is currently receiving requests from other waste haulers for disposal privileges. It has been largely self-supporting from the tipping fees charged for disposal.

4. Are there alternative sites which would offer more protection to the environment than the proposed facility without unduly curtailing nonenvironmental benefits?

The DeSoto Parish Police Jury (DPPJ) made a concerted effort during the planning and original permitting of the landfill in 1984 to locate and utilize the most environmentally acceptable site available. During the search of the entire parish, five sites were eventually inspected and considered. The site selected was further evaluated by qualified engineers and environmental specialists, state and federal environmental protection authorities, and appropriate regulatory agencies.

Site 1. The first site to be considered was an existing open dump at the DeSoto Parish Air Industrial Park. The open dump would have been closed and a new disposal cell meeting the criteria of the Solid Waste Rules and Regulations (SWRR) would have been designed, permitted, and constructed. Site 1 was eliminated from consideration because of its proximity to the air park.

Site 2. A second site approximately two miles southwest of the air park was then investigated. This 80-acre tract was owned by International Paper Company. Consideration was discontinued when the property was found to be too close to the air park and encroached into a flood prone area, and IP was not interested in selling the site for use as a landfill.

Site 3. After a lengthy search for additional available properties, a third site three miles northeast of Grand Cane, LA was considered. Geological investigation revealed that the subsurface clays, sandy clays, and silty clays were not suitable as an in situ barrier, but groundwater was relatively deep, and impermeable cell and surface impoundment liners could be constructed. This 120-acre site had only 50 acres which could be used, a waterway within the site eliminating access to a portion of the site and causing more of it to be within a flood prone area. The major problem was access, which would have required substantial improvements to a one and a half mile long parish road and replacement of a bridge, in order to hold up under the anticipated traffic load. There was also evidence that the road would have to be raised to protect it from overtopping during floods. This site was eliminated from consideration.

Site 4. A fourth property one and a half miles northwest of Holly, LA and 120 acres in size was then

investigated. Subsurface soils were again found to be unsuitable, and this groundwater was found near the surface. Site 4 was dropped from consideration.

Site 5. The fifth parcel considered, the current landfill site, was then found and researched. Environmental advantages of this tract included clay subsurface soils, a lack of significant freshwater aquifers, and no flood prone or wetland areas. Other advantages included good access roads, its clear cut condition and availability for sale by International Paper Company, the availability of adjacent properties for sale for future landfill expansion, and a remote location away from residential developments, schools and hospitals, and lignite exploitation areas, and central to the proposed DeSoto-Red River parishes service area. The site was not zoned or master planned, had no known historic, archaeological, recreational, or cultural sites, and was not conspicuously known for aesthetic beauty. Its remoteness would tend to minimize potential typical nuisance problems of landfills, such as odors, noise, lights, and traffic.

Upon preliminary acceptance, a geotechnical study was performed which determined that the clay soils were suitable for compacted clay liners which would conform to SWRR criteria. The LDEQ concurred that the site showed promise and should be looked at further. The Department of Fisheries and Wildlife visited the site and concluded that no adverse environmental impact would result from operation of a sanitary landfill. The U. S. Army Corps of Engineers determined that there was no need for action on its part, since the site could be covered under existing nationwide permits. The firm of Heartfield, Price, and Greene conducted a historic-archaeologic evaluation, which led the Department of Culture, Recreation, and Tourism to issue a letter of "no objection" concerning the proposed landfill.

This research led the DPPJ to conduct detailed studies with the purpose of determining the engineering advantages and disadvantages of the site. It was discovered that the site has an abundance of native soil materials that are suitable as liner, cover, and final cap materials. There were no environmentally sensitive sites to be found in the vicinity, nor did the site encroach on wetlands or flood prone areas. The location of the landfill on a major highway, just one mile from an interstate highway, only six miles from the largest city in the parish, and central to the proposed service area, made it very convenient for both local residents and haulers from other areas. All of these features demonstrated that the site selected was the proper one.

CONCLUSION: The DPPJ made an exhaustive search of available properties in DeSoto Parish during the initial investigation and planning for its solid waste landfill. No other sites were found which offered more environmental protection, either with or without curtailing nonenvironmental benefits. The Mundy Landfill has been in operation since 1986, providing safe, economical, and efficient solid waste disposal for the citizens of DeSoto Parish and surrounding areas.

5. Are there mitigating measures which would offer more protection to the environment than the facility, as proposed, without unduly curtailing nonenvironmental benefits?

The Mundy Landfill was, and continues to be, designed, constructed, and operated to meet the latest standards and technology available. The DeSoto Parish Police Jury (DPPJ) has modified the facility's solid waste permit continually to upgrade its features and operations as necessary to comply with updates in the SWRR and best serve its purpose of providing for the safe and economical disposal of commercial and residential wastes, construction debris and trash, industrial solid wastes, and asbestos for the residents and businesses of DeSoto Parish and surrounding areas.

Improvements at the Mundy Landfill have been made in order to comply with the 1995 SWRR and the federal Subtitle D regulations. Waste Disposal Cells I - V, all designed and constructed prior to promulgation of the new standards and unable to completely comply with them, were closed at the end of 1997 and have since been capped. Cell VI and Cell VII, Phase 1 conform to all the current standards. Cell VIII will be constructed in accordance with the current standards. The wastewater treatment plant was re-designed and expanded in 1997 to provide better control and treatment of leachate and contaminated stormwater. The existing groundwater monitoring system was upgraded in 2005 by the installation of several additional monitoring wells to provide better protection of the groundwater and plugging and abandonment of other wells that were not necessary for monitoring. A second sedimentation pond was installed northwest of Cell VII, Phase 1 to de-silt surface water before it exits the site, preventing damage to downstream waterways.

The DPPJ has additional improvements and site expansions planned for the near future. Permitting and construction of Cell VIII is planned for the 160-acre property owned by the DPPJ immediately on the west side of the existing landfill. Cell VIII is designed to satisfy the waste disposal needs of DeSoto Parish for approximately 20 years. A third sedimentation pond will be constructed on the northwest side of Cell VIII to prevent materials eroded during construction activities from entering downstream water ways. The outfall from this sedimentation pond will be permitted and monitored. Development of a new construction debris and trash (CD&T) cell is planned for the valley between closed Cells II and III and Cell VI. All construction has and will conform to the SWRR, except in certain areas where those criteria are exceeded to ensure environmental protection, and will be permitted by the LDEQ.

There are other improvements that would provide additional protection to the environment and human health. Secondary dual liners with leak detection systems could be installed below composite liners in future disposal cells to provide more protection of the groundwater. Active gas control systems with flares, containment, or recovery and re-use equipment could be installed to replace the installed passive system and its vents to the atmosphere, reducing the currently minimal potential of air pollution. Aerators could be placed in the wastewater treatment plant lagoons, providing further treatment of the leachate and contaminated stormwater prior to discharge, and thus more protection of downstream surface waters. The substantial costs to implement these additional controls, however, cannot be justified by the small reduction they would make in the potential dangers of pollution and human health hazards that are already minimized by the design, construction, and operation of the Mundy Landfill. There have never been any indications of escaped wastes from disposal cells designed according to the appropriate standards, so the dual composite liners have not proven necessary. There have been no complaints or regulatory issues concerning the passive landfill gas venting system utilized, so the installation of a vastly more expensive system would not have improved protection of the air. The discharge monitoring reports for the treatment plant indicate that it has no problem adequately treating leachate to meet the discharge permit, so the addition of aerators would be an excessive and unnecessary expense. The law of diminishing returns and the very limited resources available to rural, undeveloped DeSoto Parish negate the need to implement additional features to a facility which currently conforms to all state and federal regulations pertaining to solid waste disposal and has had no significant problems, events, or accidents in its 20-year history. Implementation of such measures could push the cost of solid waste disposal beyond the limited means of the DPPJ, without a corresponding tangible benefit.

CONCLUSION: The Mundy Landfill has a history of being consistently upgraded and improved by the DPPJ to remain in compliance with all pertinent state and federal regulations, available solid waste disposal technology, and environmental protection requirements. This history has resulted in a corresponding traditional lack of significant problems at the facility. While there are additional measures that could have

been or could be implemented, those measures are not required by LDEQ or EPA for this facility, probably would not make a significant beneficial impact on the performance of the landfill, and could make proper solid waste disposal in DeSoto Parish uneconomical. The DPPJ will continue to improve the site when required to ensure compliance to all environmental regulations and needs, and will continue to operate the Mundy Landfill in a manner to provide to the residents of DeSoto Parish and surrounding areas the benefits of economical, efficient, and environmentally safe solid waste disposal.

Attachment A-7

Appendix F - Groundwater Sampling and Analysis Plan

MUNDY LANDFILL
DESOTO PARISH, LOUISIANA
FACILITY NO. D-031-1827
SOLID WASTE DISPOSAL PERMIT P-0035R1

GROUNDWATER SAMPLING AND ANALYSIS PLAN

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GROUNDWATER SAMPLING AND ANALYSIS PLAN

TABLE OF CONTENTS

Section **Page**

1.0 INTRODUCTION 1

2.0 MONITORING, SAMPLING, AND ANALYSIS PROCEDURES 2
2.1 Groundwater Monitoring Network 2
2.1.1 Existing System 2
2.1.2 Proposed System 3
2.1.2.1 Zone C 3
2.1.2.2 Zone G1 4
2.1.2.3 Zone G2 ..... ~~4~~ 5
2.2 Surface Inspections 5
2.3 Pre-field Considerations ..... ~~5~~ 6
2.4 Field Preparations ..... ~~5~~ 6
2.5 Water Levels and Well Depths ..... ~~5~~ 6
2.6 Well Purging/Evacuation ..... ~~6~~ 7
2.7 Well Clarification Maintenance ..... ~~7~~ 8
2.8 Sample Collection ..... ~~7~~ 8
2.8.1 Field Quality Control Samples ..... ~~8~~ 9
2.9 Sample Management ..... ~~9~~ 10
2.9.1 Labels ..... ~~9~~ 10
2.9.2 Handling/Packaging and Transport ..... ~~10~~ 11
2.9.3 Sample Chain of Custody ..... ~~10~~ 11

3.0 ANALYTICAL PROCEDURES ..... ~~11~~ 12

4.0 EVALUATION AND REPORTING ..... ~~12~~ 13
4.1 Statistical Analysis ..... ~~12~~ 13
4.1.1 Initial Event ..... ~~12~~ 13
4.1.2 Subsequent Events ..... ~~12~~ 13
4.1.3 Modification ..... ~~13~~ 14
4.2 Reporting - Detection Monitoring ..... ~~13~~ 14
4.2.1 Normal Operations ..... ~~13~~ 14
4.2.2 Occurrence of Statistically Significant Increase (SSI) ..... ~~13~~ 14

GROUNDWATER SAMPLING AND ANALYSIS PLAN

TABLE OF CONTENTS
(continued)

Section **Page**

5.0 SAP REVISION ..... ~~14~~ 15
5.1 Proposed Revision ..... ~~14~~ 15
5.2 Revision Implementation ..... ~~14~~ 15

REFERENCES ..... ~~15~~ 16

LIST OF APPENDICES

Appendix SAP-A Groundwater Detection Monitoring Parameters

Appendix SAP-B Location Map

Appendix SAP-C Monitoring Well Boring and Installation Information From 1984 Solid Waste Disposal Permit Application and Subsequent Investigations

Appendix SAP-D Forms and Records

Appendix SAP-E Decision Tree adapted from LDEQ-GRID.

1.0 INTRODUCTION

The purpose of this Groundwater Sampling and Analysis Plan (SAP) is to establish procedures acceptable to the Louisiana Department of Environmental Quality (LDEQ) for the monitoring of groundwater at the Mundy ~~Sanitary~~ Landfill. Procedures must meet the requirements of LAC 33:VII.709.E.2 and E.3 of the Solid Waste Rules and Regulations (SWRR), which describe the "Detection Monitoring Program" for the "Groundwater Monitoring System."

This SAP describes the locations and installations of a series of groundwater monitoring wells at the Mundy ~~Sanitary~~ Landfill; the correct procedures for sampling and analysis; and the method of report preparation and submittal to the LDEQ. The basic premise of the plan is to establish the character of the groundwater upgradient from the facility and use this background information as a basis for comparison against samples taken from monitoring wells downgradient of the landfill. The presence of contaminants in the downgradient wells which are not found in the upgradient wells indicate the potential of a leak in the liner of the disposal cell lying between the wells, which must be addressed. A separate comparison is to be made for each of the three permeable zones identified at the site. The SWRR provides a list (refer to Table 1, Appendix C of the SWRR and **Appendix SAP-A**) of chemical parameters, both organic and inorganic, which are indicators for the presence of contaminants in the groundwater. In addition to the Table 1, Appendix C parameters, other indicators will be monitored: Temperature, pH, Specific Conductivity, and Total Dissolved Solids.

The importance of using consistent procedures to sample and test groundwater cannot be over-emphasized. Variance in procedures can introduce errors into the records for the facility which can invalidate results. Such variance in procedures can be introduced by individual sampling and testing procedures being used by different sampling and testing technicians. The purpose of this Sampling and Analysis Plan is to eliminate the potential for such errors by standardizing the procedures and eliminating the possibility of variances.

2.0 MONITORING, SAMPLING, AND ANALYSIS PROCEDURES

The proposed groundwater monitoring network for Zones C, G1 and G2 is shown on the Point-of Compliance drawings, Sheets ~~JEI-61 through JEI-63~~ JEI-S51 through JEI-S53, respectively, in Appendix ~~Q~~ S, Section S-4, of the Permit Renewal Application. Well construction diagrams for existing and abandoned wells are provided in **Appendix SAP-C**. Diagrams for new wells, when approved by the LDEQ, shall be added to this Appendix SAP-C after their completion.

The facility's monitoring wells will be sampled semi-annually. All wells will be sampled quarterly for the first year and semi-annually thereafter; water levels will be taken in all wells at each of the sampling events. All new wells at the Mundy ~~Sanitary~~ Landfill will be installed following the procedures given in the LDEQ/LDOTD "Handbook for Construction of Monitoring Wells and Geotechnical Boreholes" (latest revision: 2000) and in LAC 33:VII.709.E.1.c.

The groundwater monitoring wells are constructed of two- to ~~four~~ three-inch diameter PVC casing and a ten- to fifteen-foot long, two- to ~~four~~ three -inch diameter PVC well screen. An exemption ~~has been~~ was requested in accordance with LAC 33:VII.307.B for wells USPZ102 and LSPZ103 (now designated PZ-C-102 and MW-G2-103) which have a screen length longer than the maximum 10-foot screen length specified in LAC 33:VII.709.E.1.c.iii(c). ~~If approved by the LDEQ, those wells will remain active monitoring wells; however, if not approved, the wells will be plugged and abandoned, and replaced as appropriate to follow the approved plan.~~ The exemption was approved by the LDEQ in correspondence dated April 7, 2004. Each well remaining active is covered by a locked, protective casing and surrounded by a concrete pad and guard posts.

To assure that the ground water beneath the site is adequately monitored and that representative groundwater samples are collected for subsequent laboratory analysis, the following sections are presented.

2.1 Groundwater Monitoring Network

2.1.1 Existing System

A total of ~~22~~ 34 monitoring wells and piezometers has been installed at the facility. Seventeen monitoring wells and eight piezometers currently exist at the facility. Two ~~of these~~ wells ~~(MW-3 and LSPZ208),~~ installed in Zone G2, MW-3 and LSPZ208, were plugged and abandoned in 2002. Monitoring well MW-4, which was screened in Zone B, was plugged and abandoned in late 1991 and replaced by MW-4A in Zone C. In February and March 2005, the six monitoring and piezometer wells were plugged and abandoned to upgrade the groundwater monitoring system as described in the 2004 Permit Renewal Application. These wells included MW-2, LSPZ100B, LSPZ104, LSPZ106B, LSPZ111, and LSPZ210B. Eight new monitoring wells were installed to upgrade the groundwater monitoring system including MW-C-5, MW-C-6, MW-G1-7, MW-G1-8, MW-G1-9, MW-G1-10, MW-G2-12, and MW-G2-13. In September and October 2005, four piezometers were installed as part of the geological investigation for permitting of Cell VIII. These piezometers are designated PZ-G1-305, PZ-C-308, PZ-G2-309, and PZ-G1-312. Based upon field observations, geotechnical laboratory testing,

and information provided in geologic cross-sections and isopach maps, the water bearing units and their current monitoring/piezometer wells are summarized in the following table. ~~MW-2 is not included as it is screened in confining layer D1. MW-2 will be plugged and abandoned in accordance with LAC 33:VII.709.E.1.e, as described in the response to LAC 33:VII.521.F.5.f in the Permit Renewal Application. Five remaining monitoring/piezometer wells are installed in Zone C, six in Zone G1, and seven in Zone G2.~~

ZONE C	ZONE G1	ZONE G2
MW-C-4A	~~LSPZ100B~~ MW-G1-7	MW-G2-1
MW-C-5	~~LSPZ~~ MW-G1-102	~~LSPZ~~MW-G2-103
MW-C-6	~~LSPZ~~ MW-G1-104B	~~LSPZ104~~ MW-G2-12
~~USPZ~~MW-C-113	~~LSPZ111~~ MW-G1-8	~~LSPZ106B~~
~~US~~PZ-C-102	MW-G1-9	MW-G2-13
~~US~~PZ-C-103	MW-G1-10	~~LSPZ~~MW-G2-110B
~~US~~PZ-C-209	~~LSPZ~~MW-G1-219	~~LSPZ~~MW-G2-210A
PZ-C-308	~~LS~~PZ-G1-209	~~LSPZ210B~~
	PZ-G1-305	PZ-G2-309
	PZ-G1-312	

Potentiometric maps for the three permeable zones present at the site are presented in Appendix Q and Appendix S of the Permit Renewal Application and ~~are on file with the LDEQ~~ in groundwater monitoring reports submitted to the LDEQ for semiannual groundwater monitoring events since June 2003.

2.1.2 Proposed System

Locations of wells for the proposed monitoring system are presented on the Point-of-Compliance drawings JEI-~~61~~S51 through JEI-~~63~~S53 in Appendix ~~Q~~ S, Section S-4 of the Permit Renewal Application. The spacing of the downgradient wells is such that the wells will yield samples that are representative of the groundwater passing the relative point-of-compliance (as per LAC 33:VII.709.E.1.b.iv-v). Upgradient wells are located specifically to provide samples that will represent background groundwater quality as required in LAC 33:VII.709.E.1.b.i-ii.

2.1.2.1 Zone C

The table below presents the existing and proposed groundwater monitoring network of wells for Zone C, the uppermost permeable zone. Piezometers ~~USPZ102, USPZ103, and USPZ209 will be converted to permanent piezometers~~ PZ-C-102, PZ-C-103, and PZ-C-209 are used to obtain groundwater elevations only. Piezometer PZ-C-308 will be plugged and abandoned in accordance with LAC 33:VII.709.E.1.e, as described in the response to LAC 33:VII.521.F.5.f in the Permit Renewal Application because it is located in an area that will be excavated for construction of Cell VIII. Zone C will not be monitored for Cell

VIII as it is absent downgradient of the cell and will be removed from beneath and within at least 50 feet upgradient of the cell.

GRADIENT	~~ORIGINAL NAME~~ EXISITING WELL	~~PROPOSED NAME WELL~~
~~Wells~~ – Up	MW-C-4A	~~MW-C-4A~~
~~Wells~~ – Down	~~USPZ~~MW-C-113	~~MW-C-113~~
	~~NA (new)~~	~~MW-C-5~~
	~~NA (new)~~	~~MW-C-6~~
	~~NA (new)~~	~~MW-C-7~~
Piezometers - Up	~~US~~PZ-C-102	~~PZ-C-102~~
	~~US~~PZ-C-103	~~PZ-C-103~~
	~~US~~PZ-C-209	~~PZ-C-209~~
	PZ-C-308*	

* Piezometer installed for permitting of Cell VIII.

2.1.2.2 Zone G1

The table below presents the existing and proposed groundwater monitoring network of wells for Zone G1, the upper portion of the uppermost aquifer. Piezometer ~~LSPZ209 will be converted to a permanent piezometer~~ PZ-G1-209 is used to obtain groundwater elevations only. ~~Piezometers LSPZ100B and LSPZ111 will be plugged and abandoned in accordance with LAC 33:VII.709.E.1.e, as described in the response to LAC 33:VII.521.F.5.f in the Permit Renewal Application and replaced.~~ An exemption from LAC 33:VII: 709.E.1.b.iv will be requested to allow monitoring well spacing of greater than 800 feet between MW-G1-305 and MW-G1-15 where Zone G1 is absent.

GRADIENT	~~ORIGINAL NAME~~ EXISITING WELL	PROPOSED ~~NAME~~ WELL
~~Wells~~ – Up	~~LSPZ100B~~[F] MW-G1-7	~~MW-G1-7~~
	~~LSPZ~~MW-G1-102	~~MW-G1-102~~
~~Wells~~ – Down	~~LSPZ~~MW-G1-104B	~~MW-G1-104B~~
	~~LSPZ111~~[F] MW-G1-8	~~MW-G1-8~~
	~~LSPZ~~MW-G1-219	~~MW-G1-219~~
	~~NA (new)~~MW-G1-9	~~MW-G1-9~~
	~~NA (new)~~MW-G10	~~MW-G1-10~~
	~~NA (new)~~	~~MW-G1-11~~
	PZ-G1-305*	MW-G1-305
	PZ-G1-312*	MW-G1-312

	NA (new)	MW-G1-14
	NA (new)	MW-G1-15
	NA (new)	MW-G1-16
Piezometer - Up	~~LS~~PZ-G1-209	~~PZ-G1-209~~

~~r - Well will be replaced.~~

* Piezometer installed for permitting of Cell VIII.

2.1.2.3 Zone G2

The table below presents the existing and proposed groundwater monitoring network of wells for Zone G2, the lower portion of the uppermost aquifer. ~~Piezometers LSPZ104, LSPZ106B, and LSPZ210B will be plugged and abandoned in accordance with LAC 33:VII.709.E.1.e and replaced.~~ An exemption from LAC 33:VII: 709.E.1.b.iv will be requested to allow monitoring well spacing of greater than 800 feet between MW-G2-1 and MW-G2-309 and between MW-G2-12 and MW-G2-17 where Zone G2 is absent.

GRADIENT	~~ORIGINAL NAME~~ EXISITING WELL	PROPOSED ~~NAME~~ WELL
Well - Up	~~LSPZ~~MW-G2-103	~~MW-G2-103~~
Wells - Down	~~LSPZ104~~[r] MW-G2-12	~~MW-G2-12~~
	~~LSPZ~~MW-G2-210A	~~MW-G2-210A~~
	~~LSPZ~~MW-G2-110B	~~MW-G2-110B~~
	MW-G2-1	~~MW-G2-1~~
	~~NA (new)~~MW-G2-13	~~MW-G2-13~~
	PZ-G2-309*	MW-G2-309
	NA (new)	MW-G2-17

~~r - Well will be replaced.~~

* Piezometer installed for permitting of Cell VIII.

2.2 Surface Inspections

All wells are to be inspected during each groundwater sampling event for the following items:

- A lock is present and in working order;
- Any evidence of tampering with well and lock;
- Condition of the protective casing, concrete pad, and guard posts;
- Condition of the well casing; and,
- Well cap is in place and properly secured.

Observation of the above items, as well as pertinent well evacuation and sampling data, shall be recorded on a ~~Monitoring Well Field Log~~ Field Parameter Form ~~for each well~~. This form is presented in **Appendix SAP-D**. Discrepancies must be corrected not later than 30 days prior to

the next sampling event, and the actions taken must be documented. Well construction diagrams are provided in **Appendix SAP-C**.

2.3 Pre-field Considerations

The following will be done prior to entering the facility for the sampling activities:

- Provide the analytical laboratory with a list of parameters to be analyzed and the number of samples. The laboratory will then provide the appropriate sample containers, ice chests, and chain of custody form.

- Gather pertinent sampling equipment, latex gloves, weighted measuring tape, water level indicator, decontamination supplies, plastic sheeting, etc. (Note: Dedicated purging/sampling bailers or pumps, if any, shall be kept at the facility).

- Field equipment such as pH, conductivity, and temperature meters must be checked and calibrated in the field prior to sampling according to the manufacturer's recommendations.

2.4 Field Preparations

Purging will be done with a teflon or disposable bailer and sampling will be done with disposable bailers unless a change is approved by LDEQ.

Field personnel will wear clean latex or vinyl gloves before handling bailers, pumps, and other sampling equipment. The gloves shall be changed between each well as sampling proceeds. Plastic sheeting and/or clean buckets will be used at the well to protect sampling equipment from touching the ground.

2.5 Water Level and Well Depths

All wells will be measured for water level and total depth, purged, and sampled in the following order:

1. First, all wells designated as Upgradient in Section 2.1.2 of this SAP.

2. Secondly, all wells designated as Downgradient in Section 2.1.2 of this SAP.

Should contamination be detected at any well, special instructions will be provided on measurement/purging/sampling order so that these procedures progress from the least affected to the most affected wells.

Before each well is purged, the groundwater level will be measured. The water level will be determined with an electric water level probe ~~or weighted tape~~ graduated in increments that allow the depth to be recorded to the nearest 0.01 foot. The water level will be measured by suspending the electronic-type probe ~~or weighted tape~~ down the well casing and recording the depth below the top of casing. The well depth will be measured after sampling in a similar manner to determine whether sediments are blocking the screened interval. (Note: should 10

percent of the screened interval be blocked by sediments, as determined by the field technician, the well will be redeveloped at least 30 days prior to the next sampling event). Well measurements and other information will be recorded for each well on the ~~Monitoring Well Field Log~~ Field Parameter Form included in **Appendix SAP-D**. This measurement procedure shall also be done during every sampling event at all piezometers not sampled.

The water level probe and weighted tape will be washed, cleaned and rinsed with either distilled or deionized water before re-use in another well. All groundwater level measurements in wells or piezometers in a given stratum ("C", "G1", or "G2") will be made on a single day.

In addition, the surface water levels in the oxidation pond, polishing ponds and sedimentation pond shall be determined at every monitoring well sampling event. Staff gauges have been provided for this purpose. The levels should be read to the nearest 0.1 feet and then estimated to the nearest 0.01 feet. Reference elevations surveyed for each staff gauge will be used to determine the surface water elevations

2.6 Well Purging/Evacuation

All wells will be measured for water level and total depth, purged, and sampled in the following order:

1. First, all wells designated as Upgradient in Section 2.1.2 of this SAP.

2. Secondly, all wells designated as Downgradient in Section 2.1.2 of this SAP.

Should contamination be detected at any well, special instructions will be provided on measurement/purging/sampling order so that these procedures progress from the least affected to the most affected wells.

Wells will be purged of water above the bottom of the screened interval (not water in sump below screen) before sampling so that samples are representative of groundwater quality within the hydrogeologic unit. Purging will be by bailer unless a change is approved by LDEQ. This purging will be planned so inflow to the bailer is at the screen top so an upflow of water from the hydrologic unit to the bailer does not disturb or mix with water and sediment in the sump. At least three well volumes of water will be purged immediately before sampling. The three well volumes of water will be calculated in the following manner:

1. The total water column to be purged will be obtained by subtracting the water level below top of casing from the depth of the bottom of the well. The bottom shall be as known from the last sampling or redevelopment, whichever is the more recent.

2. The length of the water column will then be converted to one well volume (in gallons) by multiplying the water column length by a conversion factor for the diameter of the well screen and casing. The conversion factor for: a two-inch well is 0.16 gallons per foot (gal/ft) of well water column; a three-inch well is

0.37 gal/ft of well water column; and, a four-inch well is 0.65 gal/ft of well water column.

3. The one well volume will then be multiplied by three to get the total gallons of water to be evacuated for three well volumes.

If possible, wells should not be purged dry. Water shall be removed at a rate that maintains the water level above the top of the screen. In the event that a well is bailed dry before three well volumes have been evacuated, the volume of water removed shall be documented on the ~~Monitoring Well Field Log~~ Field Parameter Form. The well will then be allowed to recover to a sufficient depth before sampling.

A marked five-gallon bucket or other measuring device approved by LDEQ will be used to measure the volume of water purged. All purged water shall be placed in a drum or other approved container at the well locations. The drum may be dumped at the monitoring well site if no contamination is determined from the analytical testing results. If contamination is present the drum shall be transported to and the ~~drum fluid~~ the contents dumped in the oxidation pond.

2.7 Well Clarification Maintenance

If in the opinion of the Field Technician and Sampling Manager the turbidity or particulate level is high, the monitoring well shall be cleaned by pumping, surging, flushing, or air sparging. Such operations shall be done after sampling and at least 30 days before the next sampling event. A work plan shall be developed prior to such type of clarification maintenance. The clarification activity shall be documented.

2.8 Sample Collection

All wells will be measured for water level and total depth, purged, and sampled in the following order:

1. First, all wells designated as Upgradient in Section 2.1.2 of this SAP.

2. Secondly, all wells designated as Downgradient in Section 2.1.2 as this SAP.

Should contamination be detected at any well, special instructions will be provided on measurement/purging/sampling order so that these procedures progress from the least affected to the most affected wells.

Ground water samples will be collected from each well immediately upon purging and/or when sufficient water for sampling has recharged the well. The bailer will be lowered into the well and allowed to gently intercept the free water surface to prevent splashing. This will minimize the loss of volatile organic compounds that might be present. Upon retrieval, the bailer contents will be emptied into the appropriate containers in such a manner that will prevent agitation and aeration. The containers for volatile organic compounds will be filled first followed by those for the metals and other parameters. Care will be taken to assure the containers will not be

overfilled, causing the sample preservatives to spill out. The ground water samples cannot be filtered to remove particulate materials. If dedicated pumps are proposed, LDEQ concurrence will be obtained before their use. Such an approved pump system shall be cleaned and purged prior to initial use, and shall be cleaned, as necessary, after each well purging. The system shall be cleaned, as necessary, after each parameter sample unit in preparation for the next parameter sample unit. At the discretion of the sampling technician, the cleaned pump shall be pulled from the well and then a sample of deionized or distilled water shall be pumped through the pump system and tested as a "pump-test" chemical analysis sample.

At no time will the sample containers or sampling equipment be placed directly on the ground or on any contaminated surface. Sampling data, i.e., date, time, water level, sampling method, water color, particulates in the sample, and other comments or observations will be recorded on the ~~Monitoring Well Field Log~~ Field Parameter Form.

If the analytical tests show data that is unusual, anomalous, or thought to be inaccurate or erroneous, subsequent sampling, retesting, and reporting may be performed. LDEQ must be notified before resampling if the questioned data indicates a Statistically Significant Increase; see Section 4.2. If the "condition" involves a report of a non-volatile chemical, the first resampling and testing may be a sampling and testing of the purge water in the purge fluid storage drum. If volatile chemicals are the concern, then the monitoring well with the affected data shall be resampled and tested in accordance with procedures herein. As part of this resampling event, the new samples may be sent to a different analytical laboratory, or duplicate samples may be taken and tested by two laboratories, at the discretion of the groundwater professional directing the sampling effort.

2.8.1 Field Quality Control Samples

To determine the effectiveness of the sampling procedures, bailer decontamination, and sample transport procedures, and to evaluate the consistency of the analytical laboratory's results, field quality control samples ~~(blanks)~~ will be collected and prepared. The three types of quality control samples to be used are discussed below.

Trip Blank. One trip blank sample will be prepared to monitor for volatile compound contamination (through the sample vial septum) which might have occurred during transport to or from the analytical laboratory. The trip blank, which consists of two, 40 ml vials filled with ultra-pure water, will be prepared by the analytical laboratory and transported to the sampling site in an ice chest with the empty sample containers. The trip blank will be returned to the lab unopened in the ice chest along with the collected ground water samples. The trip blanks shall also be analyzed for the same parameters as the ground water samples.

Equipment Blank. One equipment blank will be collected before sampling a randomly selected well. The bailer or pump to be used, which has been decontaminated according to procedures discussed in Section 2.3, will be rinsed with ultra-pure water obtained from the laboratory. The rinse water will be collected in the appropriate containers,

transported to the laboratory with the ground water samples, and analyzed for the same parameters as the groundwater samples.

Blind Duplicate Blank. One blind duplicate sample will be collected to assure the precision of the sampling procedures and to evaluate laboratory consistency. The blind duplicate will be collected at an arbitrary well at the same time the ground water sample is collected. The duplicate will be labeled with "Blind Duplicate," or with a sample number, but with no monitoring well designation. The sampling personnel will record the monitoring well from which the duplicate was collected on the ~~Monitoring Well Field Log~~ Field Parameter Form, but not on the Chain-of-Custody Form in part to validate the analytical laboratory QA.

Matrix Spike/Matrix Spike Duplicate. Two duplicate samples will be collected from one monitoring well for the laboratory to prepare a matrix spike and a matrix spike duplicate sample. The duplicate samples will be labeled with "Matrix Spike" and "Matrix Spike Duplicate," or with sample numbers, but with no monitoring well designation. The sampling personnel will record the monitoring well from which the Matrix Spike/Matrix Spike Duplicate was collected on the Field Parameter Form, but not on the Chain-of-Custody Form in part to validate the analytical laboratory QA.

It is permissible for a field technician who has adequate training and experience to fill the blank samples, rather than the analytical testing laboratory. If filled by the field technician, the chain of custody form must contain a notation to that effect. If any of the blanks show "contamination," a double set of blanks shall be taken during the following sample event.

Other blanks or blank-type samples and tests following LDEQ-approved procedures may be used as an alternate to evaluate quality.

2.9 Sample Management

Sample management procedures will be followed to assure proper documentation of the ground water and quality control samples and timely delivery to the analytical laboratory. Requirements for sample labeling, chain of custody documentation, sample handling and packaging, and transport are discussed in the following sections.

2.9.1 Labels

Each sample container will be labeled and, at a minimum, will include the following information: sample identification (Well No.), location (Mundy ~~Sanitary~~ Landfill), the date and time of sample collection, and the analysis requested. Sample labels will be completed in indelible ink on preprinted forms. See **Appendix SAP-D** for a sample label.

2.9.2 Handling/Packaging and Transport

Care will be taken to package and transport the samples to the analytical laboratory in a way that avoids the loss of volatile constituents, which maintains preservation requirements, and minimizes the risk of sample loss due to breakage. All samples will be transported to the laboratory in a hard-sided, insulated cooler along with sufficient quantities of ice to maintain the samples at a temperature of approximately 4 degrees Celsius (40 degrees Fahrenheit).

2.9.3 Sample Chain of Custody

All ground water and field quality control samples will be traced via a chain of custody procedure. The primary objective of sample chain of custody is to create an accurate written record which can be used to trace the possession and handling of the samples from the time of collection through laboratory analysis. A chain of custody form provided by the analytical laboratory, the field technician, or the company performing the sampling will be used. The chain of custody form may be modified as needed for operational function; it is also permissible to use an analytical laboratory form. A typical chain of custody form will include:

- The sampling project name;
- Sample ID/ Description;
- Date and time of sample collection;
- Name of sample collector;
- Signature of collector;
- Signature of persons involved in the chain of custody;
- Inclusive dates of possession;
- Analysis requests; and,
- Comments.

3.0 ANALYTICAL PROCEDURES

Groundwater samples will be analyzed for the detection monitoring parameters listed on Table 1 of Appendix C of the Louisiana Environmental Regulatory Code Part VII, Subpart 1, plus four indicator parameters: Temperature (field), pH (field), Specific Conductivity (field), and Total Dissolved Solids (Lab). This table with the added Indicators is reproduced and provided herein as **Appendix SAP-A**, with some additional information on these parameters from Table 2 of the cited Appendix C. **Appendix SAP-A** includes the following for each targeted parameter, as appropriate:

- Parameter common name;
- CAS reference number;
- Proposed test method (generally selected from those of Table 2)
- Practical Quantitation Limit (PQL; for each test method); and,
- Maximum Contaminant Level (MCL) or MO-1/GW1 values from LDEQ's RECAP document of October 20, 2003.

The analytical methods used to meet the specifications of the Test Methods for Evaluating Solid Waste Physical/Chemical Methods, third edition (EPA Publication Number SW-846, 1986, as revised December, 1987). The real PQL for each parameter is equal or lower than the MCL or RECAP standard that has been established for that parameter. In some situations, the laboratory may be required to use a method that is not listed in **Appendix SAP-A**. If so, LDEQ will be so notified and their concurrence obtained.

Analyses were performed in 2004 on a sample of sludge from the oxidation pond. These analyses included the Table 1, Appendix C, parameters, plus the others in the "Target Analytes List" (semivolatiles and pesticides). No parameters were detected that were not part of the list proposed above for this facility, thus confirming the applicability of the list.

4.0 EVALUATION AND REPORTING

4.1 Statistical Analysis

4.1.1 Initial Event

Upon completion of the four independent background samplings (4 quarters over one year) for new monitoring wells (LAC 33:VII.709.E.3.b.iii), an inter-well statistical analysis will be made between the upgradient and downgradient wells. This comparison will be made of the averages (when appropriate) of upgradient to downgradient wells within each stratum.

The first step in the statistical analysis will be examination of the data. Where a given parameter is not detected in any downgradient well in a stratum ("C," "G1," or "G2"), no analysis is needed for that parameter in that stratum. Otherwise, the statistical analyses will follow the Statistical Analysis Decision Tree, Figure SAP-E.

Provided that the background data for a parameter in a stratum is normally or log normally~~,~~ distributed and has a proportion of non-detects less than 15%, the One-Way ANOVA test is the facility's preferred test. Subject to the same provisions, the Tolerance Interval (one-sided Tolerance Test) or Prediction Interval method could be used alternatively. Should an alternate test be required, department approval would be sought concurrent with the submittal of the monitoring report.

In all methods, the Type I error level shall be no less than 0.05 for multiple well comparisons or 0.01 for individual well comparisons. The term "parameter" means all analytic chemical results plus the field testing results for pH and Specific Conductivity.

4.1.2 Subsequent Events

It is assumed that the initial test event of 4.1.1 shows no statistically significant difference between upgradient and downgradient wells. Then, as specified by LAC 33:VII.709.E.2.e.ii, one of the listed statistical methods is to be used in evaluating the analytical results for each parameter. The control chart statistical method is shown on Figure SAP-E. It is the preferred method for this facility and is described herein. The method listed as "(d)" under paragraph "ii" will be used for the Mundy ~~Sanitary~~ Landfill unless the data is not amenable to such a procedure. This method is described in the regulations as follows:

"a control chart approach that gives control limits for each parameter or constituent."

This statistical method will conform to the appropriate performance standards specified by LAC 33:VII.709.E.2.e.iii.(a)-(f). It will be checked for statistical appropriateness as necessary for each sampling event.

The control chart method will generally follow control tabulation and charting procedures and methods set forth for statistical data and quality control. (Ref: 1, 2, 3, 4 & 5). For this sampling and analysis plan it will be as follows; however, it may be changed with LDEQ concurrence as the statistical circumstances warrant. The analytical chemical parameter(s) will be tracked and tabulated when a detect is noted. These records will be maintained in the landfill office files. Where an MCL or MO-1/GW1 value has not been established for the parameter, sampling results that fall between two and three standard deviations above background (or below, in the case of pH) shall be cause for closer observation of future sampling and analysis results for that parameter; and, significantly high shall be considered to be when results for such a parameter fall outside the limits of 3.0 standard deviations above (and below for pH only) the background mean. The field measurements (except temperature) will also be plotted on an average or range data control chart.

A separate analysis under 4.1.1 and 4.1.2 will be made, where applicable, for each stratigraphic Zone monitored ("C," "G1," and "G2").

4.1.3 Modifications

If either the test under 4.1.1 indicates a possible escape from the facility or the data under 4.1.2 does not appear amenable to the statistical test chosen, the Mundy ~~Sanitary~~ Landfill will propose different methodologies (if appropriate) to LDEQ for review and approval.

4.2 Reporting - Detection Monitoring

4.2.1 Normal Operations

A written report will be submitted to LDEQ within 45 days after sample analyses have been received from the analytical laboratory, but no later than 90 days after the sampling event is completed in the field. The report will include information listed on LDEQ's Groundwater Monitoring Data Report Form and LAC 33:VII.709.E.3.e. Four copies will be submitted to LDEQ.

4.2.2 Occurrence of a Statistically Significant Increase (SSI)

If a Statistically Significant Increase (SSI) as defined in Section 4.1 is determined, then:

1) The Landfill Manager will so inform LDEQ, Administrator, Office of Environmental Services, by telephone and in writing, sent by fax and mail, within 14 days (See 709.E.3.f.i), and this notification will state if there is any intention to resample any well(s) and the anticipated date of resampling.
2) Within 90 days after such SSI determination, Mundy ~~Sanitary~~ Landfill will submit the report envisioned under 709.E.3.f.iii.
3) The regular report under Section 4.2.1 will also be submitted as given in that section.

5.0 SAP REVISION

5.1 Proposed Revision

This Sampling and Analysis Plan may be revised as the Landfill and its ground water monitoring operations proceed in the future. Proposed revisions will be prepared and submitted to LDEQ for their review and approval.

5.2 Revision Implementation

Any revision will be implemented for the SAP and sampling events following the LDEQ review and approval.

REFERENCES

Ref. 1: The Quality Tool Box, Nancy R. Tague, ASQC Quality Press, Milwaukee, Wisconsin, 1995. Ch. 4 pg, 84.

Ref. 2: Juran's Quality Control Handbook, J.M. Juran, Editor, McGraw, Hill, New York, N.Y., Fourth Edition, 1988.

Ref. 3: National Field Manual for the Collection of Water Quality Data, Book 9, Handbooks for Water-Resources Investigations, Edited by F.D. Wilde, D.B. Rodtice, J. Gibs, and R.T. Iwatsubo, W.S.G.S. TWRI, Reston, VA., 9/98, http://water.usgs.gov/lookup/get?new pubs

Ref. 4: Basic Statistics for Laboratories, William D. Kelley, Thomas A. Ratcliff, Jr., and Charles Nenadic, Van Nostrand Reinhold, New York, 1992.

Ref. 5: General Statistics, (Third Edition), Warren Chase, and Fred Brown, John Wiley & Sons, 1997.

Appendix SAP-A

Groundwater Detection Monitoring Parameters

Appendix SAP-A

Groundwater Detection Monitoring Parameters

	Common Name[2]	CAS RN[3]	Suggested Methods[4]	PQL[5] (ug/L)[7]	Limit[6] (ug/L)
(1)	Antimony	(Total)	(6020)	300	**6**
(2)	Arsenic	(Total)	6010	500	**~~50~~ 10**
(3)	Barium	(Total)	6010	20	**2000**
(4)	Beryllium	(Total)	6010	3	**4**
(5)	Cadmium	(Total)	6010	40	**5**
(6)	Chromium	(Total)	6010	70	**100**
(7)	Cobalt	(Total)	6010	70	2200
(8)	Copper	(Total)	6010	60	**1300**
(9)	Lead	(Total)	6010	400	**15**
(10)	Nickel	(Total)	6010	50	100
(11)	Selenium	(Total)	6010	750	**50**
(12)	Silver	(Total)	6010	70	180
(13)	Thallium	(Total)	(6020)	400	**2**
(14)	Vanadium	(Total)	6010	80	260
(15)	Zinc	(Total)	6010	20	5000
Organic Constituents:					
(16)	Acetone	67-64-1	8260	100	610
(17)	Acrylonitrile	107-13-1	8260	200	None
(18)	Benzene	71-43-2	8260	5	**5**
(19)	Bromochloromethane	74-97-5	8260	5	None
(20)	Bromodichloromethane	75-27-4	8260	5	**100**
(21)	Bromoform; Tribromomethane	75-25-2	8260	5	**100**
(22)	Carbon disulfide	75-15-0	8260	100	1000
(23)	Carbon tetrachloride	56-23-5	8260	10	**5**
(24)	Chlorobenzene	108-90-7	8260	5	**100**
(25)	Chloroethane; Ethyl chloride	75-00-3	8260	10	8600
(26)	Chloroform; Trichloromethane	67-66-3	8260	5	**10**
(27)	Dibromochloromethane; Chlorodibromomethane	124-48-1	8260	5	**100**
(28)	1,2-Dibromo-3-chloropropane; DBCP	96-12-8	8011	0.1	0.2

(29)	1,2-Dibromoethane; Ethylene dibromide; EDB	106-93-4	8011	0.1	**0.05**
(30)	o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1	8260	5	**600**
(31)	p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7	8260	5	**75**
(32)	trans-1,4-Dichloro-2-butene	110-57-6	8260	100	None
(33)	1,1-Dichloroethane; Ethylidene chloride	75-34-3	8260	5	810
(34)	1,2-Dichloroethane; Ethylene dichloride	107-06-2	8260	5	**5**
(35)	1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride	75-35-4	8260	5	**7**
(36)	cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene	156-59-2	8260	5	**70**
(37)	trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene	156-60-5	8260	5	**100**
(38)	1,2-Dichloropropane; Propylene dichloride	78-87-5	8260	5	**5**
(39)	cis-1,3-Dichloropropene	10061-01-5	8260	10	None
(40)	trans-1,3-Dichloropropene	10061-02-6	(8260)	5	None
(41)	Ethylbenzene	100-41-4	8260	5	**700**
(42)	2-Hexanone; Methyl butyl ketone	591-78-6	8260	50	None
(43)	Methyl bromide; Bromomethane	74-83-9	(8260)	10	8.7
(44)	Methyl chloride; Chloromethane	74-87-3	8010	1	1.5
(45)	Methylene bromide; Dibromomethane	74-95-3	8260	10	None
(46)	Methylene chloride; Dichloromethane	75-09-2	8010	5	**5**
(47)	Methyl ethyl ketone; MEK; 2-Butanone	78-93-3	8260	100	1900
(48)	Methyl iodide; Iodomethane	74-88-4	8260	10	None
(49)	4-Methyl-2-pentanone; Methyl isobutyl ketone	108-10-1	8260	100	160
(50)	Styrene	100-42-5	8260	10	**100**
(51)	1,1,1,2-Tetrachloroethane	630-20-6	8260	5	5
(52)	1,1,2,2-Tetrachloroethane	79-34-5	8010	0.5	0.5
(53)	Tetrachloroethylene; Tetrachloroethene; Perchloroethylene	127-18-4	8260	5	**5**
(54)	Toluene	108-88-3	8260	5	**1000**
(55)	1,1,1-Trichloroethane; Methylchloroform	71-55-6	8260	5	**200**
(56)	1,1,2-Trichlorethane	79-00-5	8260	5	**5**
(57)	Trichloroethylene; Trichloroethene	79-01-6	8260	5	**5**
(58)	Trichlorofluoromethane; CFC-11	75-69-4	8260	5	1300
(59)	1,2,3-Trichloropropane	96-18-4	8260	15	None

(60)	Vinyl acetate	108-05-4	8260	50	None
(61)	Vinyl chloride	75-01-4	8260	10	2
(62)	Xylenes[3]	1330-20-7	8260	5	**10,000**

Table SAP-AA
Indicator Parameters

Common Name	CAS RN[3]	Method	Units[7]	PQL[5]	Limit[6]
Temperature[8]	none	Field	°C	0.1	none
Specific Conductivity[8]	none	9050	umho/cm	1	none
pH[8]	none	9040	SU	0.05	6.5-8.5
TDS	none	EPA 160.1	mg/L	1	500

Notes: [1] *Basic Source: LAC 33:VII.709.E.3.g.ii (Appendix C, Table 1).* This list contains 47 volatile organics for which possible analytical procedures provided in EPA Report SW-846 "Test Methods for Evaluating Solid Waste", third edition, November 1986, as revised December 1987, includes Method 8260; and 15 metals for which SW-846 provides either Method 6010 or a method from the 7000 series of methods.

[2] Common names are those widely used in government regulations, scientific publications, and commerce; synonyms exist for many chemicals.

[3] Chemical Abstracts Service Registry Number. Where "Total" is entered, all species in the groundwater that contain this element are included. See Note 11, Appendix C, Table 1 re Xylenes.

[4] *Source: LAC 33:VII.709.E.4.b (Appendix C, Table 2)* for (1) - (62). Suggested Methods refer to analytical procedure numbers used in EPA Report SW-846 "Test Methods for Evaluating Solid Waste", third edition, November 1986, as revised December 1987. The methods listed are representative SW-846 procedures. Methods in parentheses (XXXX) are not on Table 2; they allow PQL's reaching RECAP standards.

[5] *Source: LAC 33:VII.709.E.4.b (Appendix C, Table 2).* Practical Quantitation Limits (PQLs) are the lowest concentrations of analytes in groundwaters that can be reliably determined within specified limits of precision and accuracy by the indicated methods under routine laboratory operating conditions. The PQLs listed are generally stated to one significant figure. PQLs are based on 5-ml samples for volatile organics and 1-L samples for semivolatile organics. The PQL values in many cases are based only on a general estimate for the method and not on a determination for individual compounds.

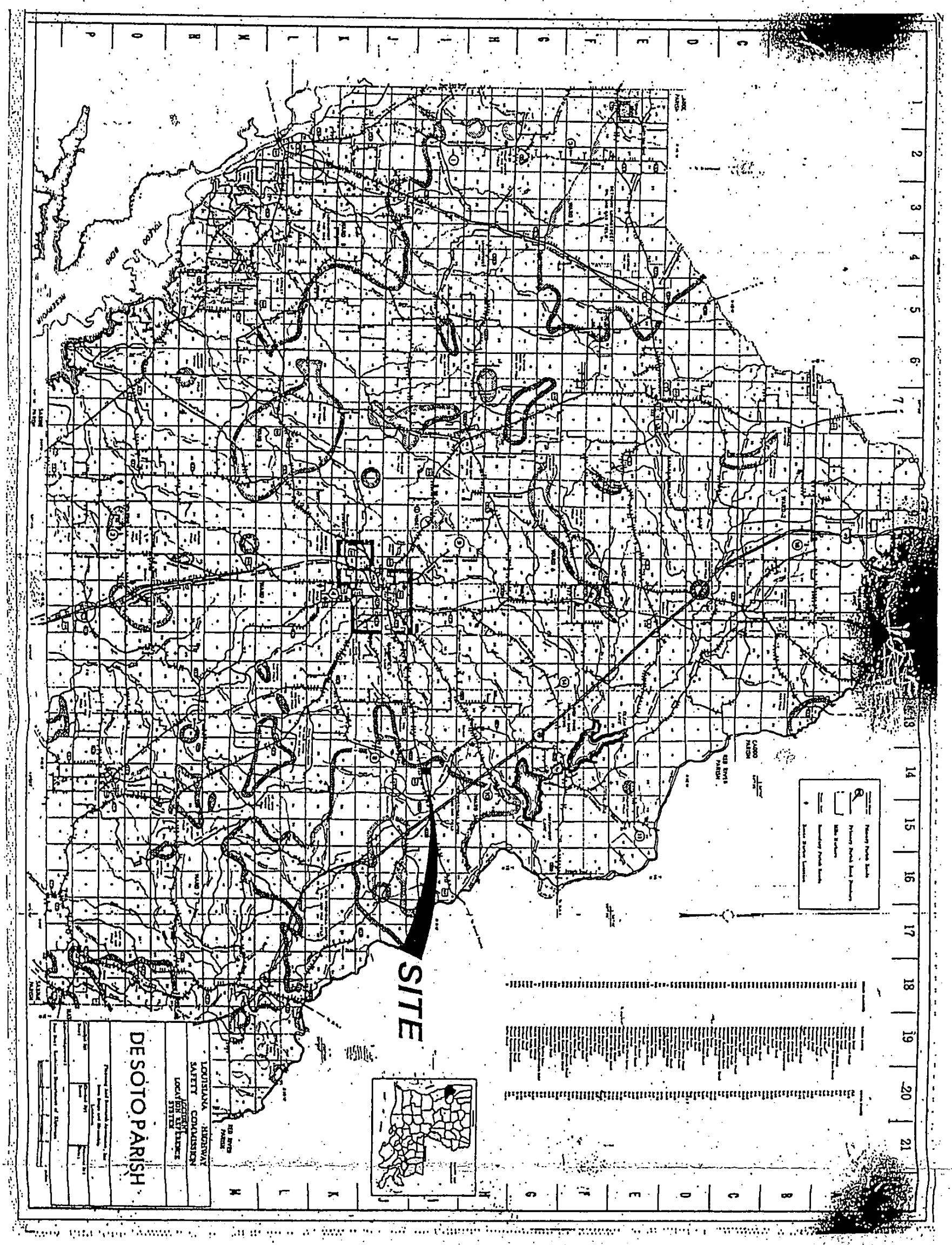
[6] *Limit: Maximum Contaminant Level (MCL)* as established be Federal primary and secondary drinking water regulations through the Safe Drinking Water Act or MO-1/GW1 from LDEQ RECAP Program of October 20, 2003. **MCL** in **bold**, MO-1/GW1 in regular type.

[7] *ug/L* - micrograms per liter = ppb (parts per billion); *mg/L* - milligrams per liter = ppm (parts per million)

[8] *Field Tests.* Follow equipment manufacturer's recommendations to comply with Method. Calibrate equipment before and after sampling event.

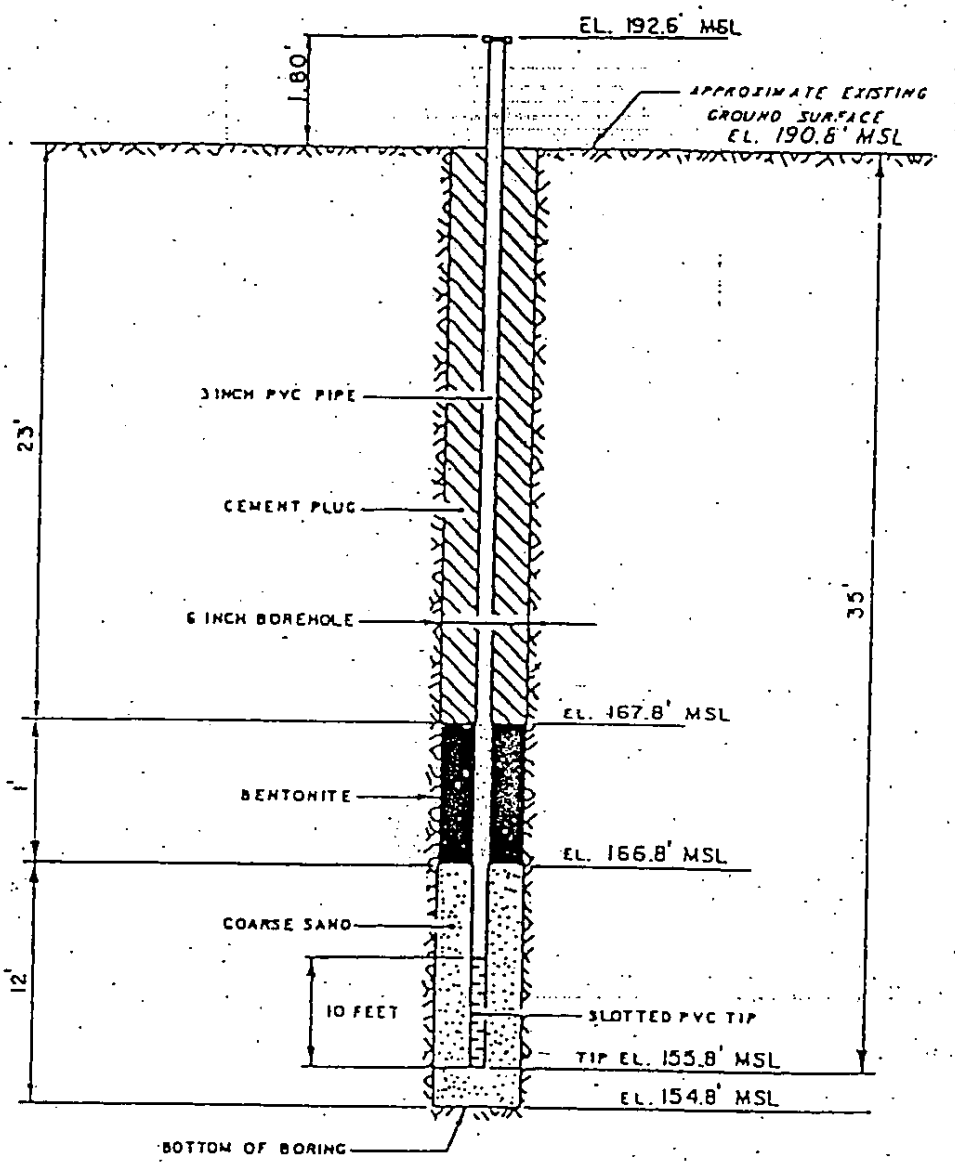
Appendix SAP-B

Facility Location Plan


SITE
DESOTO PARISH
LOUISIANA HIGHWAY COMMISSION
SAFETY ENGINEERING
LOCAL ROAD SERVICE
Department of Highways
Planning and Research Section
Baton Rouge, Louisiana
NOTED
HSR
DATE
OCT. '96
DRAWN BY
R.A.H.
96-169
ROBERT A. HOPKINS
REG. No. 24848
REGISTERED
Professional Engineer
STATE OF LOUISIANA
AREA MASTER PLAN
DESOTO PARISH POLICE JURY
MUNDY SANITARY LANDFILL
SOLID WASTE DISPOSAL PERMIT RENEWAL
AILLET, FENNER, JOLLY, & McCLELLAND, Inc.
Consulting Civil, Electrical, Environmental & Structural Engineers
1033 LOUISIANA AVE.
SHREVEPORT, LOUISIANA 71101
REVISIONS

Appendix SAP-C

Well Construction Diagrams



New name: MW-G2-1

MUNDY SANITARY LANDFILL

MONITORING WELL MW-1 INSTALLATION DIAGRAM

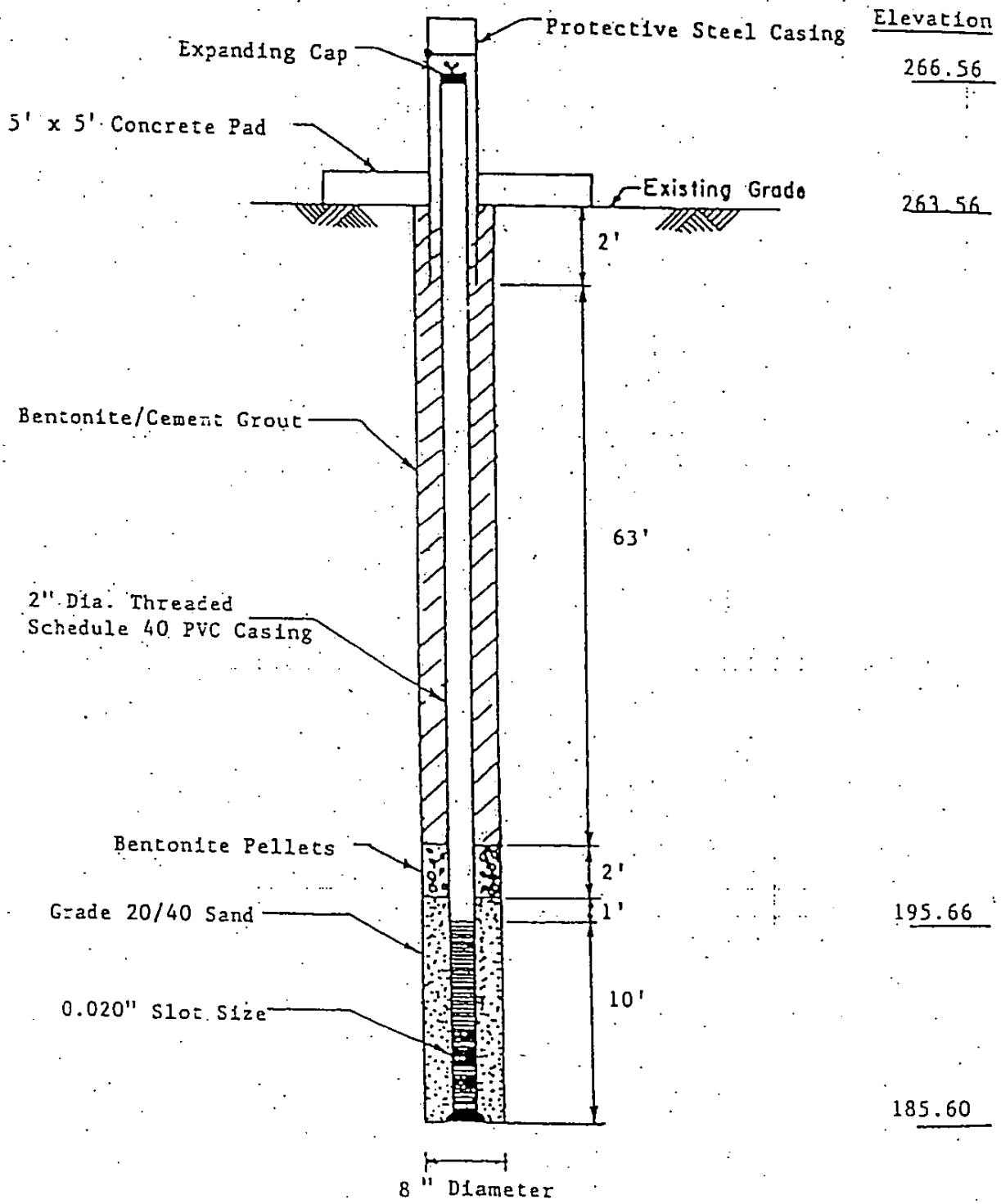
SCALE: N.T.S.	DESIGNED BY:	APPROVED BY:
DATE: 9/11/84	REVISED:	
SOUTHERN SERVICES		DRAWING NO: DSW-GW-10

Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 79 + 32
E 104 + 00

Piezometer No. LSPZI02
Date Installed 1/17/97

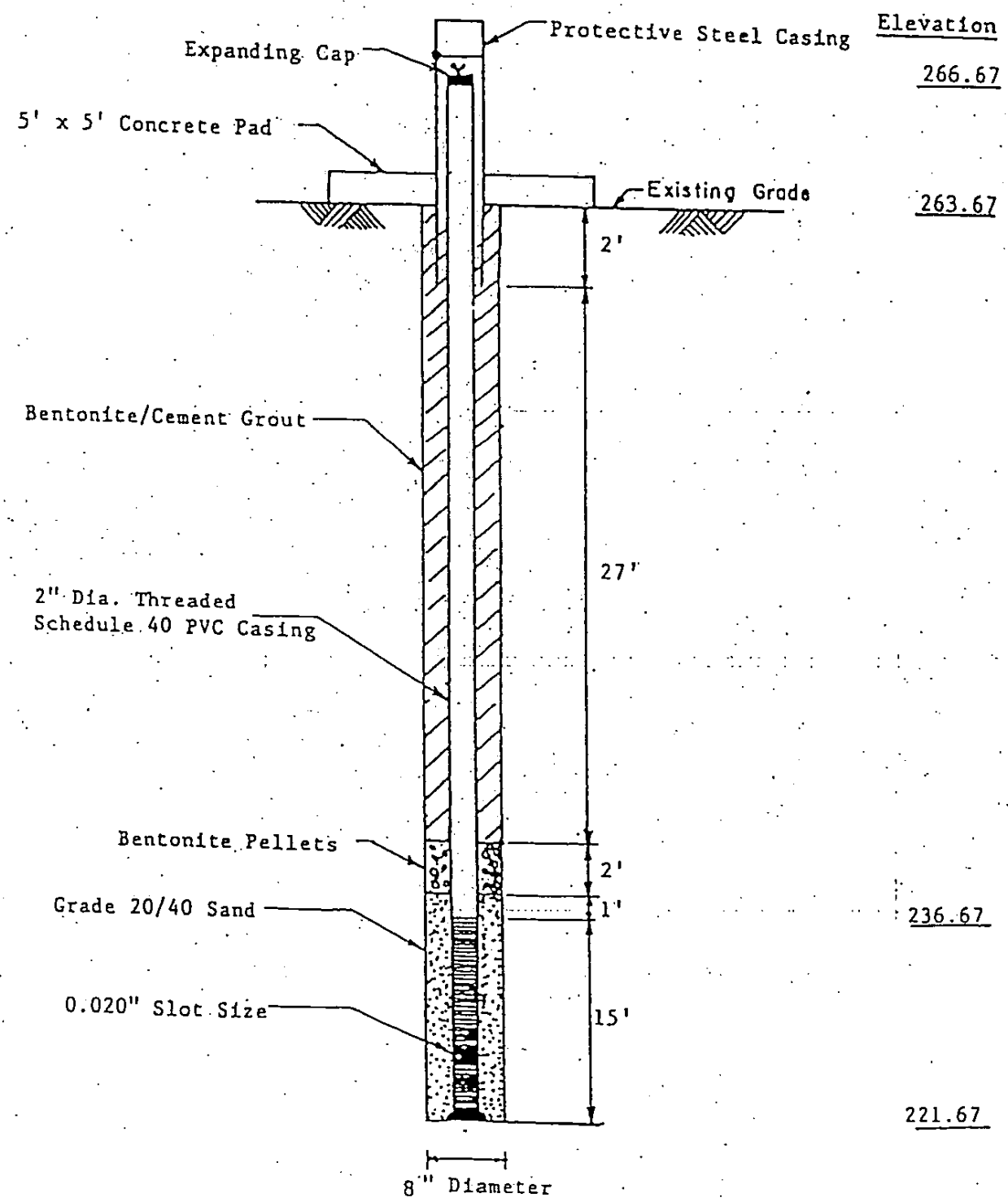
New Name: MW-G1-102



Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 79 + 32
E 104 + 00

Piezometer No. USPZ102
Date Installed 11/23/96
New name: PZ-C-102



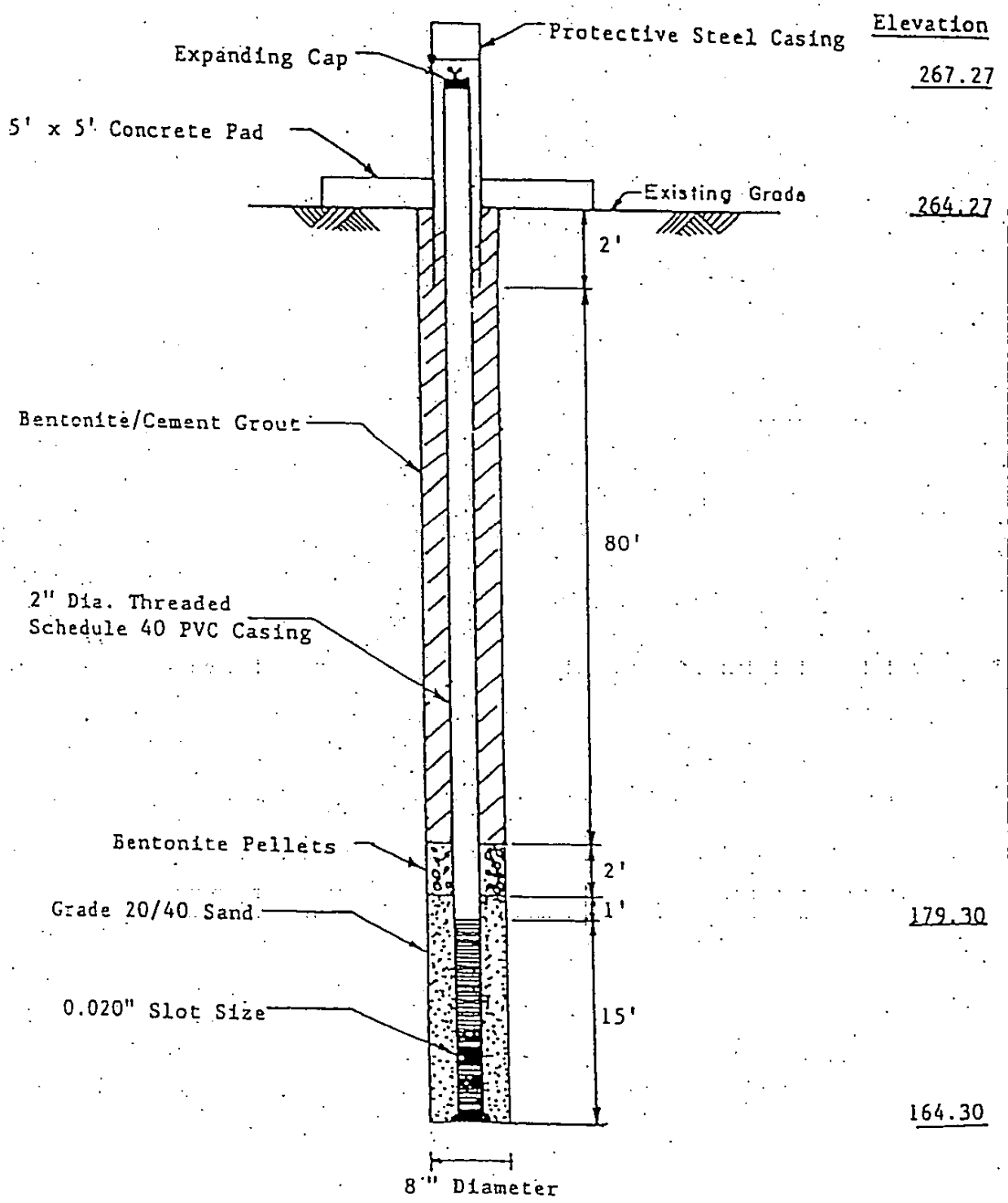
Maxim Technologies, Inc.

Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 79 + 00
E 99 + 90

Piezometer No. LSPZ 103
Date Installed 2/7/97

New name: MW-G2-103

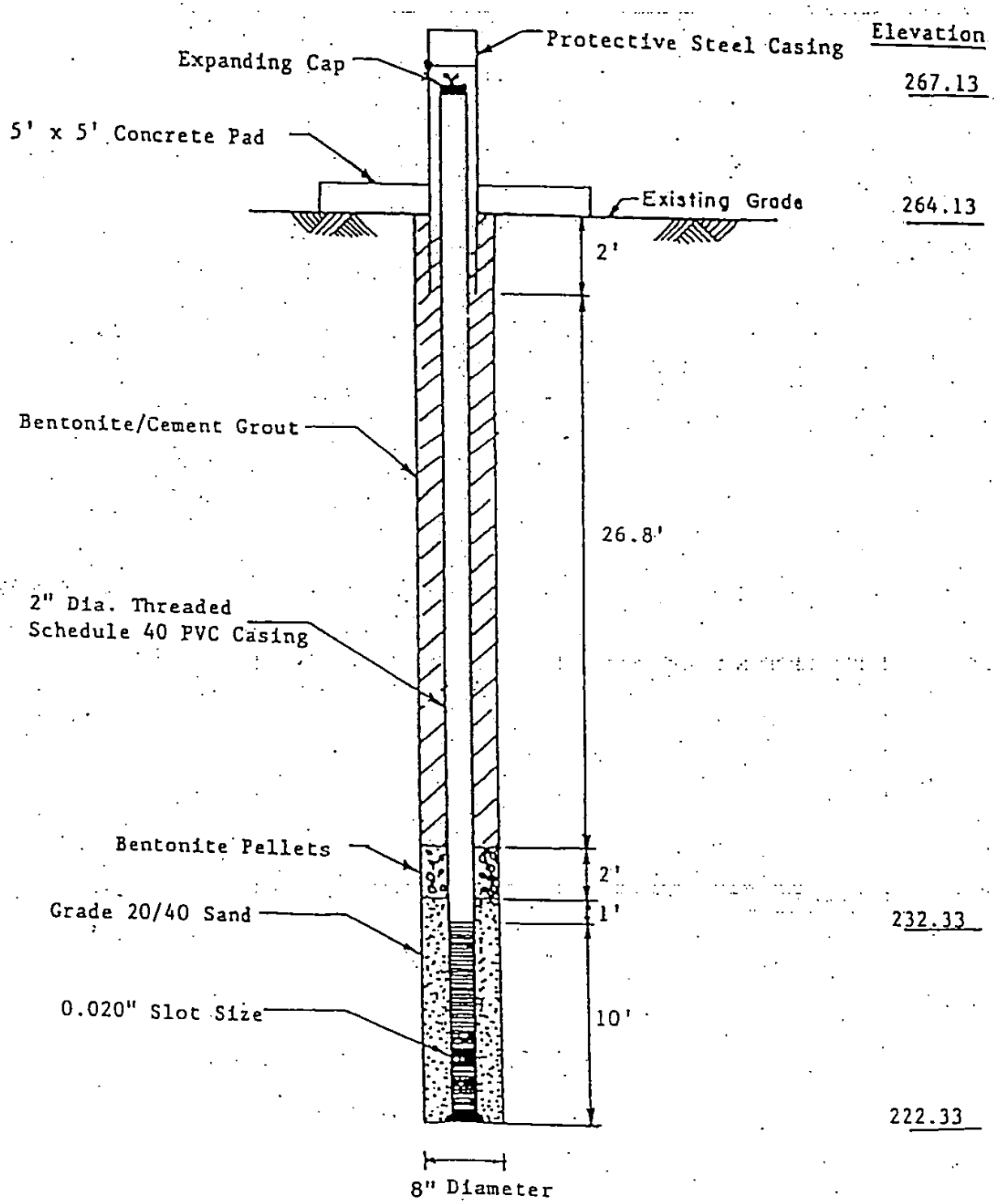


Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 79 + 00
E 99 + 90

Piezometer No. USPZ103
Date Installed 9/25/96

New name: PZ-C-103

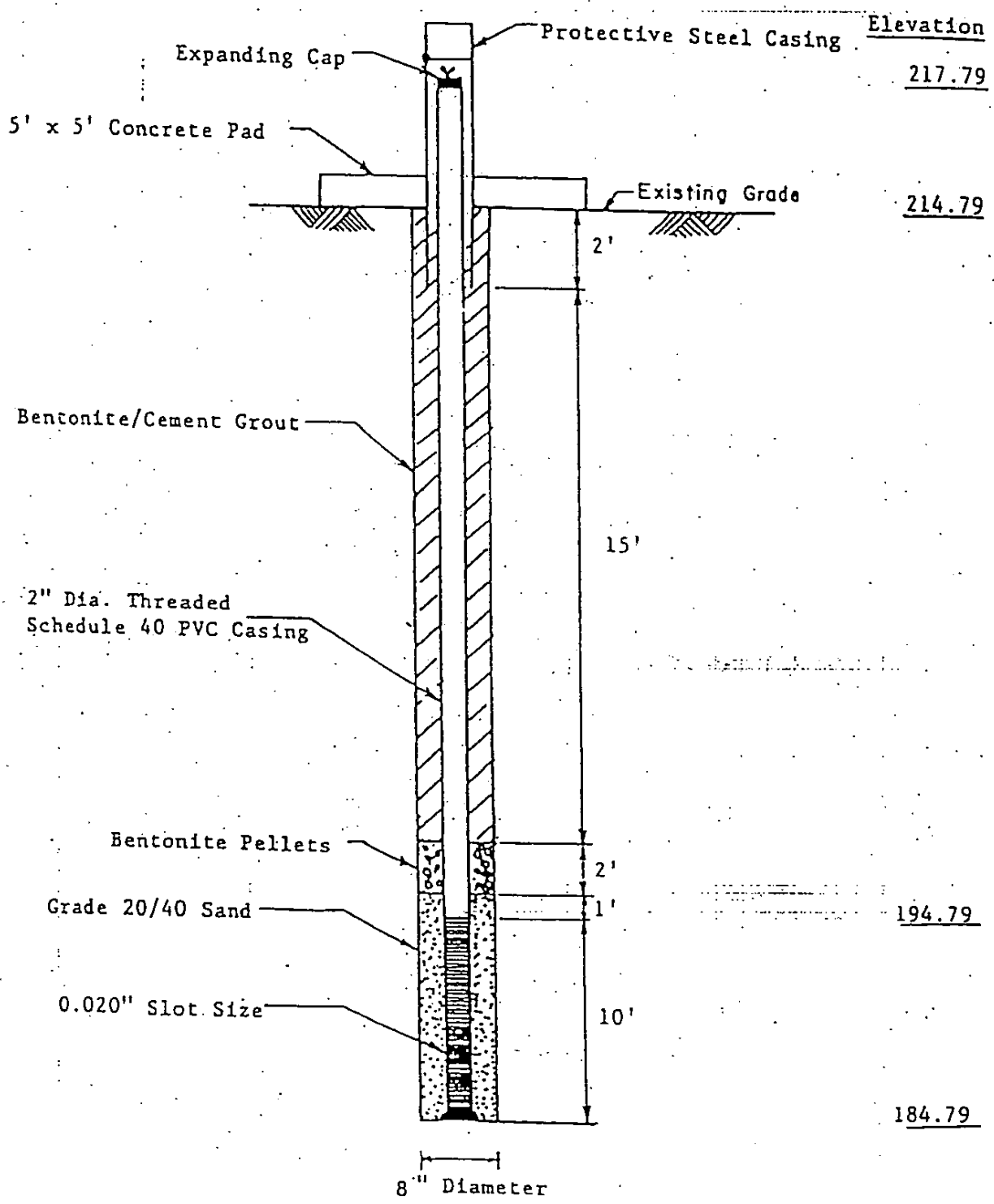


Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 84 + 88
E 101 + 95

Piezometer No. USPZ104B
Date Installed 3/21/97

New name: MW-G1-104B

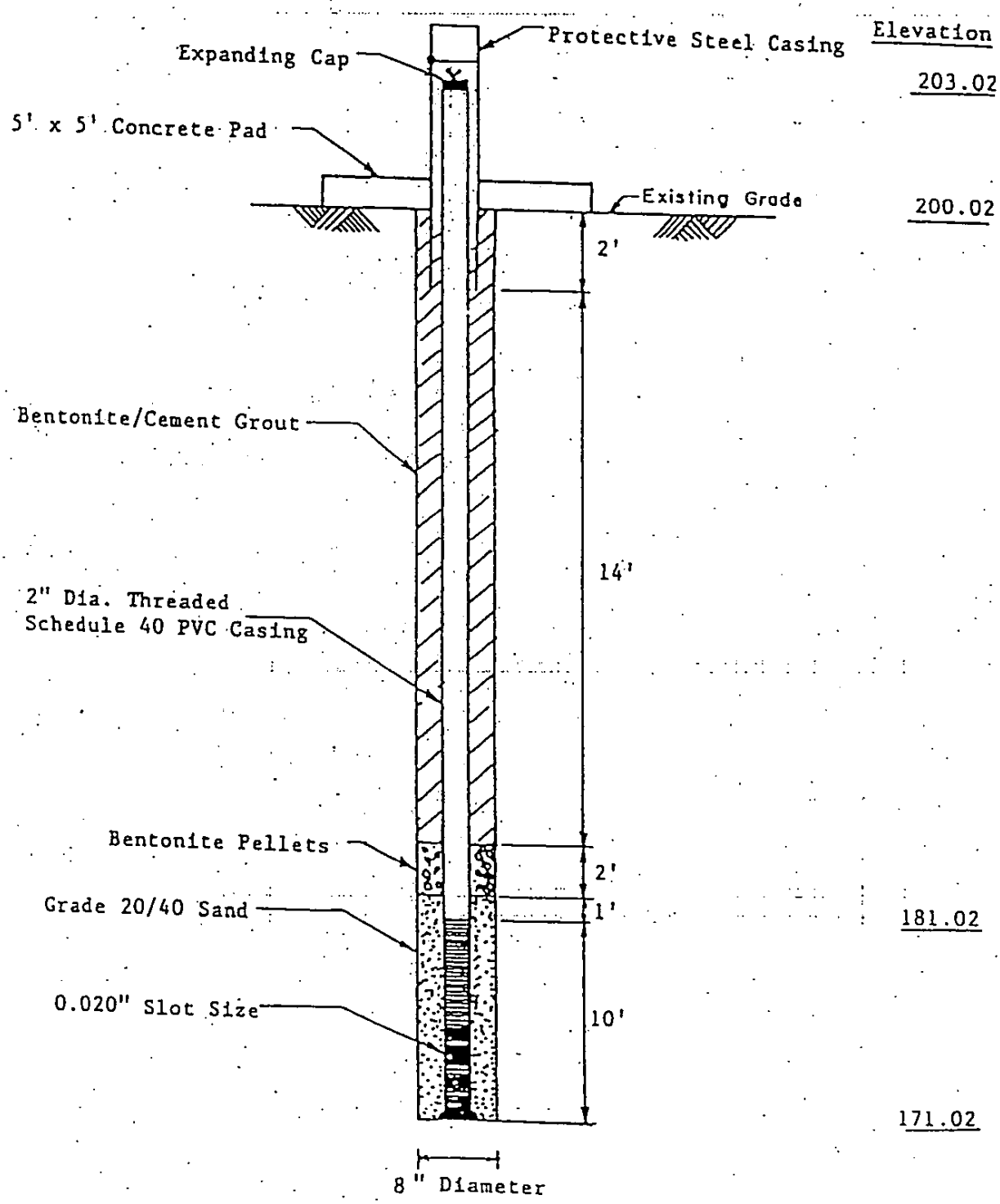


Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 99 + 22
E 106 + 75

Piezometer No. LSPZ110B
Date Installed 3/28/97

New name: MW-G2-110B



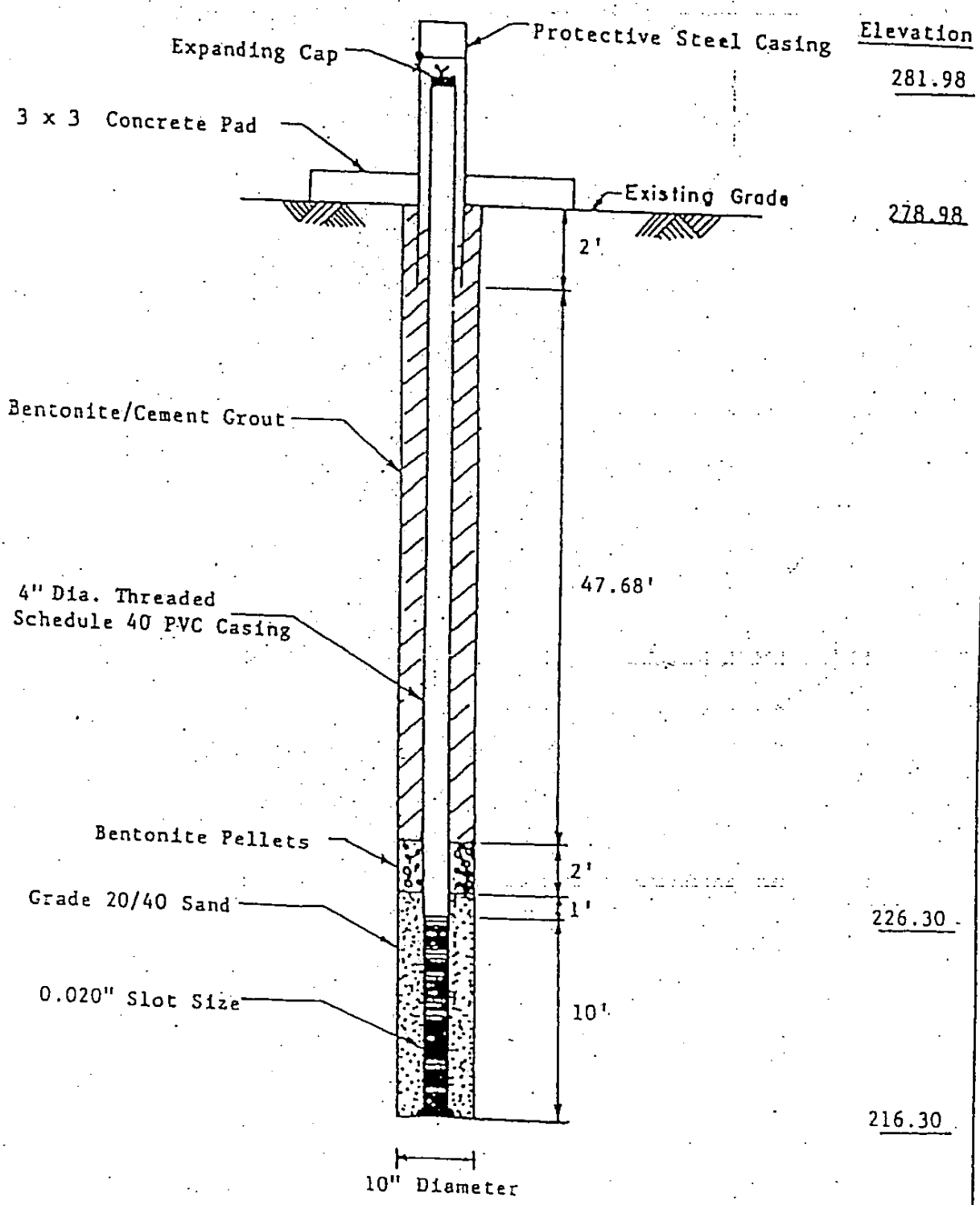
Maxim Technologies, Inc.

Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 80 + 35
E 109 + 55

Piezometer No. USPZMW4A
Date Installed *

New name: MW-C-4A



* This monitor well was installed in 1991 by Soil Testing Engineers, Inc.

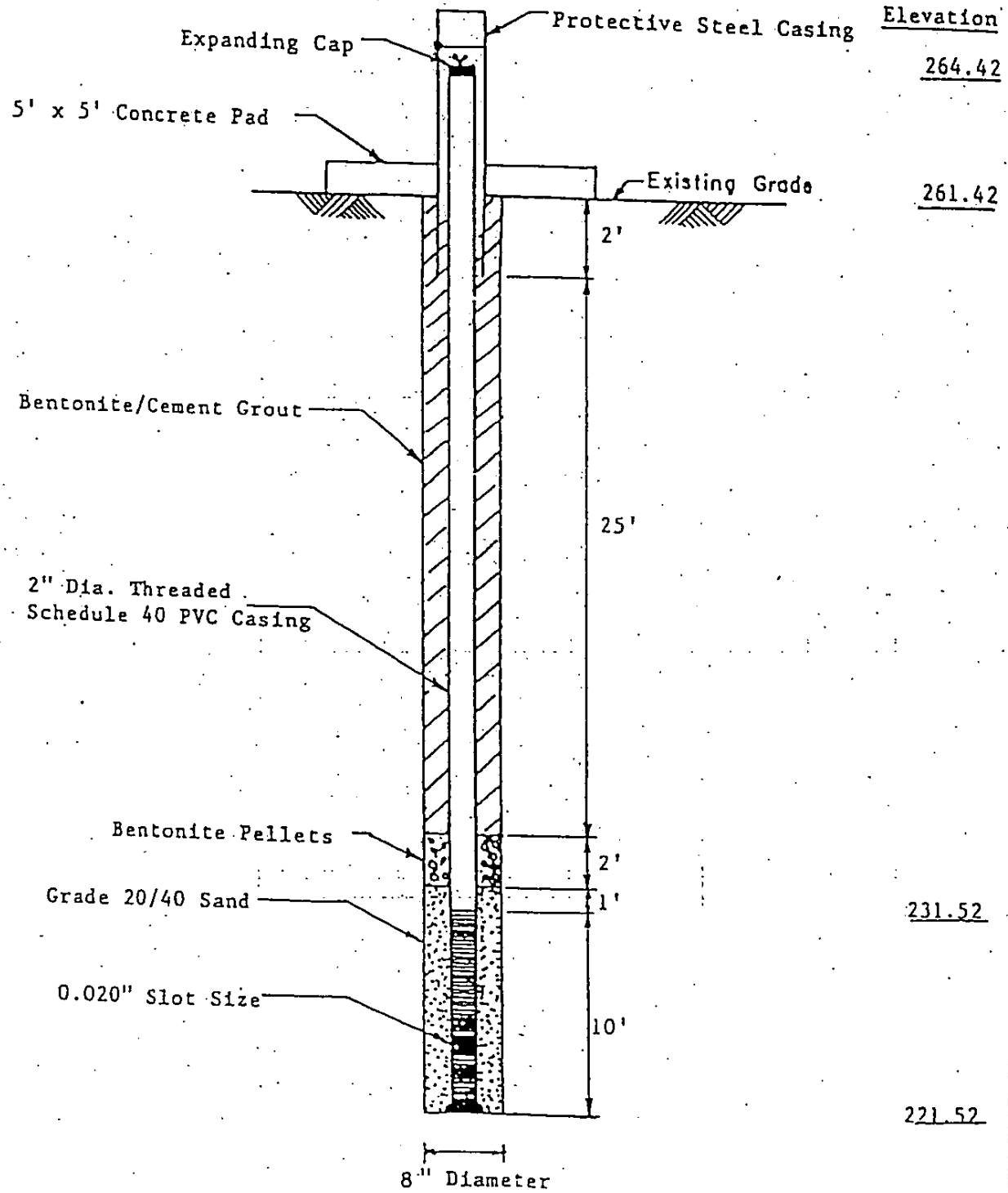
Maxim Technologies, Inc.

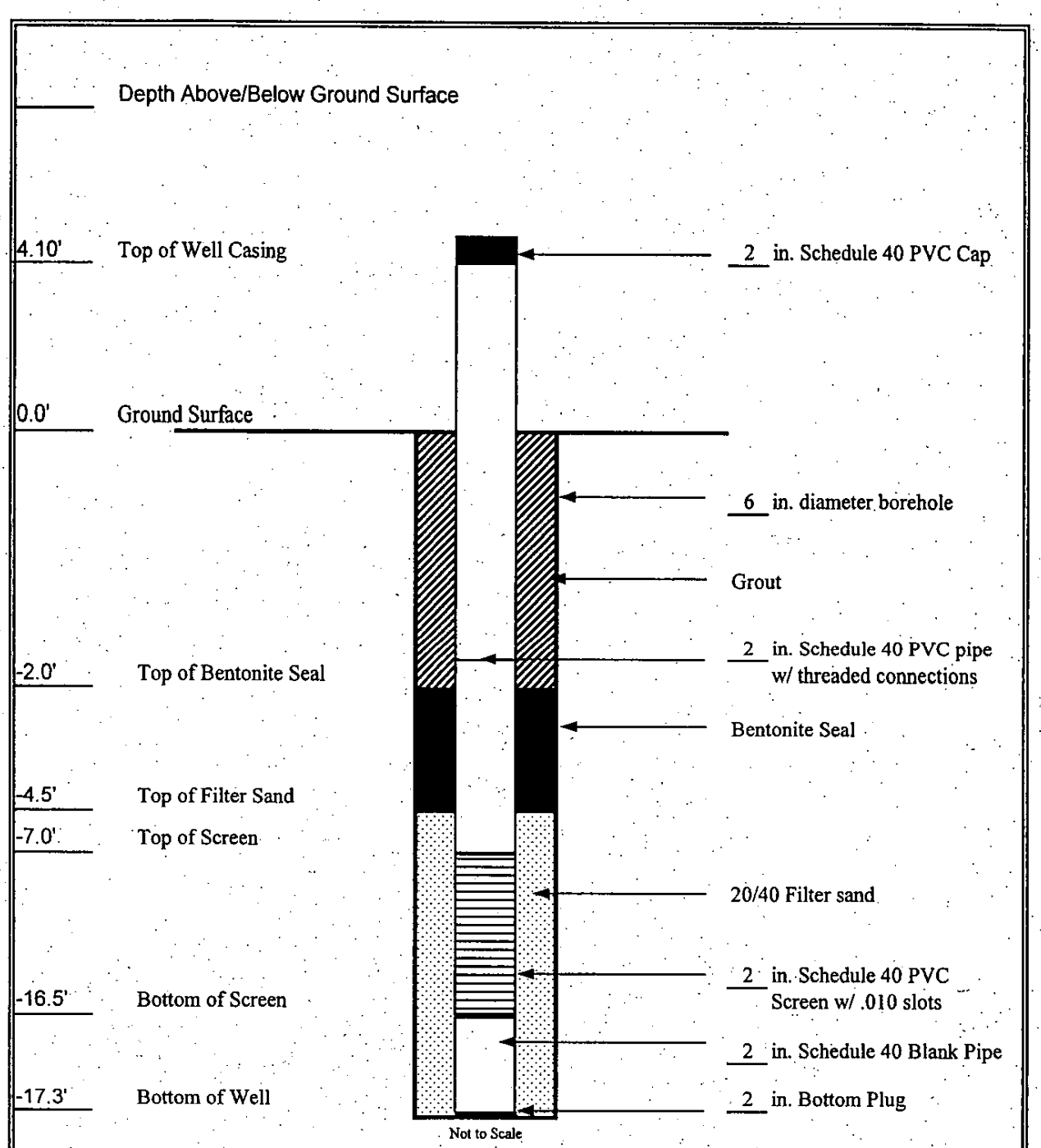
Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 88 + 00
E 112 + 97

Piezometer No. USPZ113
Date Installed 9/25/96

New name: MW-C-113





LSPZ208
Piezometer Number

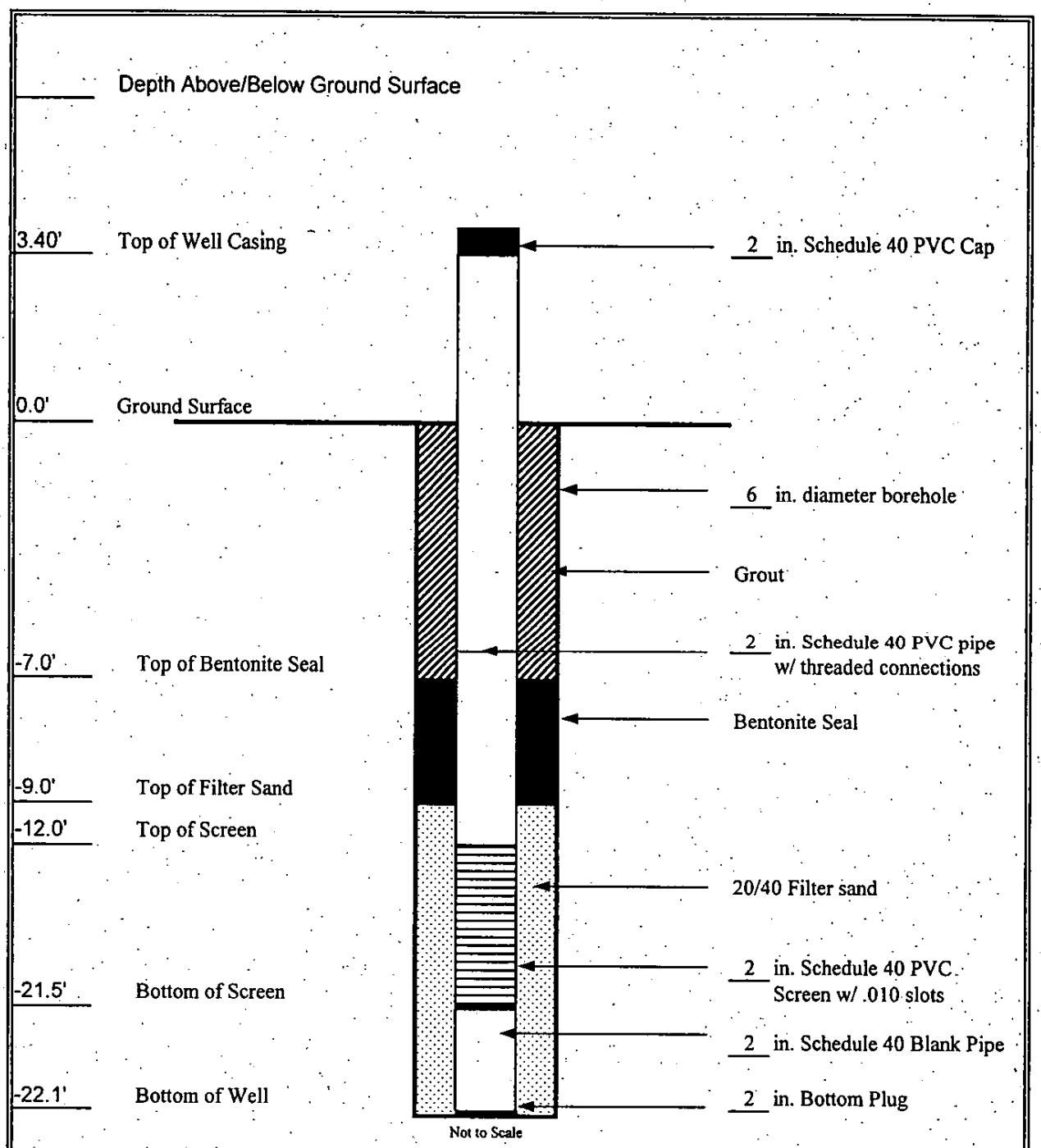
P&A 2002

PROJECT NAME : Mundy Landfill

CLIENT : Jones Environmental. Inc.

PROJECT LOCATION : Mansfield, LA

STE PROJECT NO. 02-1051



USPZ209
Piezometer Number

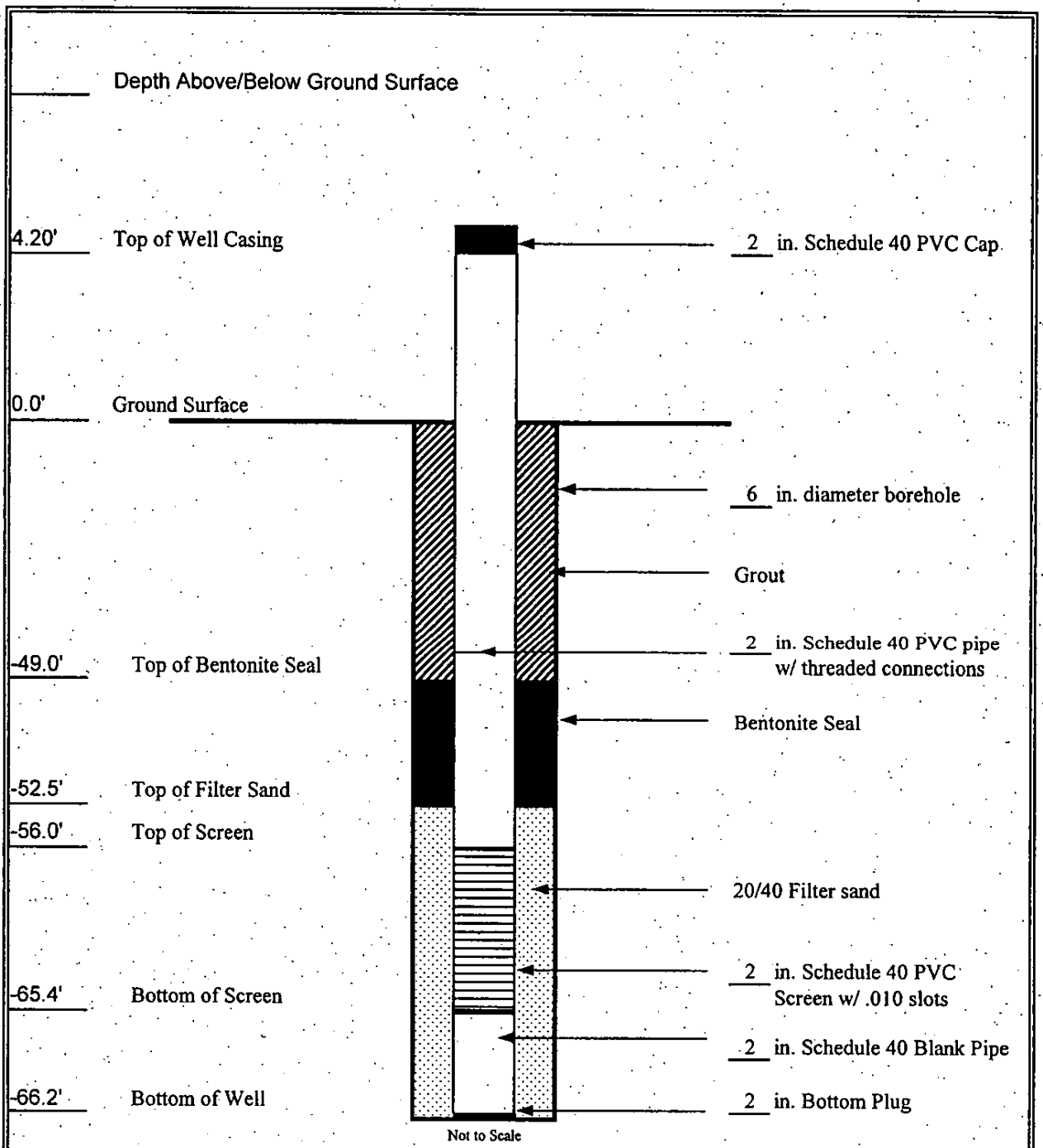
New Name: PZ-C-209

PROJECT NAME : Mundy Landfill

CLIENT : Jones Environmental. Inc.

PROJECT LOCATION : Mansfield, LA

STE PROJECT NO. 02-1051



LSPZ209
Piezometer Number

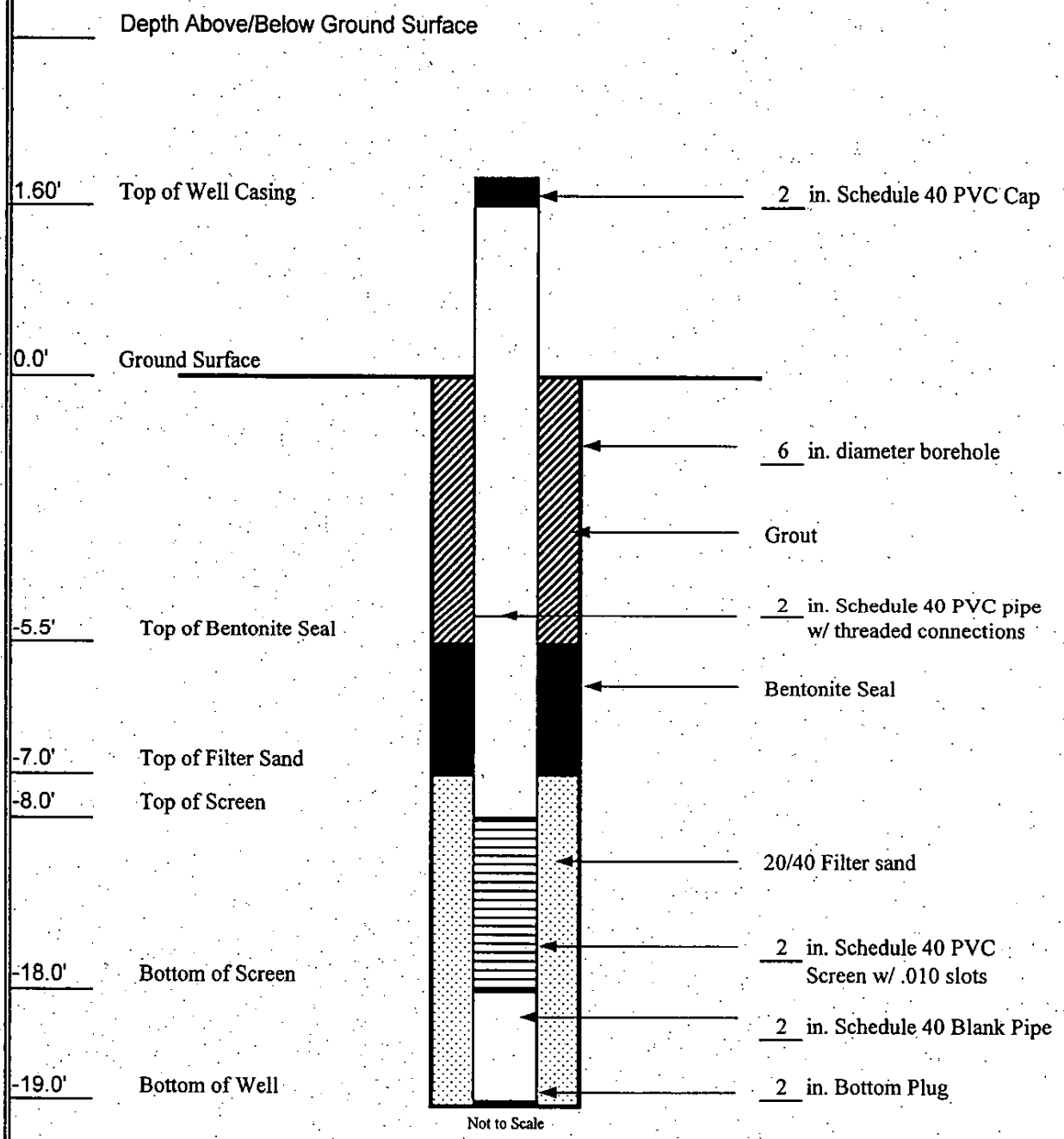
New Name: PZ-G1-209

PROJECT NAME : Mundy Landfill

CLIENT : Jones Environmental. Inc.

PROJECT LOCATION : Mansfield, LA

STE PROJECT NO. 02-1051



LSPZ210G1
Piezometer Number

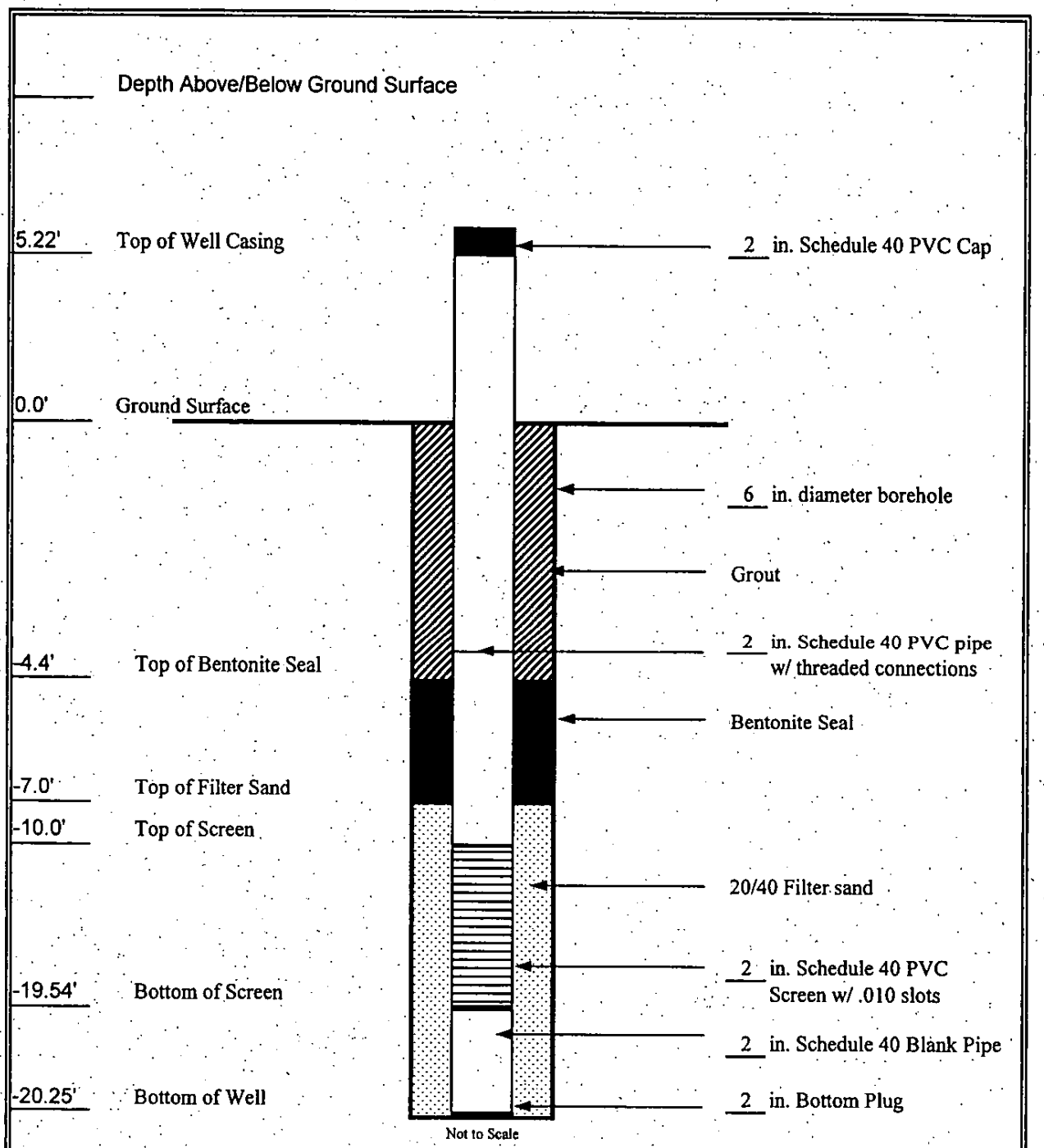
New Name: MW-G2-210A
(Interim #: LSPZ210A)

PROJECT NAME : Mundy Landfill

CLIENT : Jones Environmental. Inc.

PROJECT LOCATION : Mansfield, LA

STE PROJECT NO. 02-1051



LSPZ219
Piezometer Number

New Name: MW-G1-219

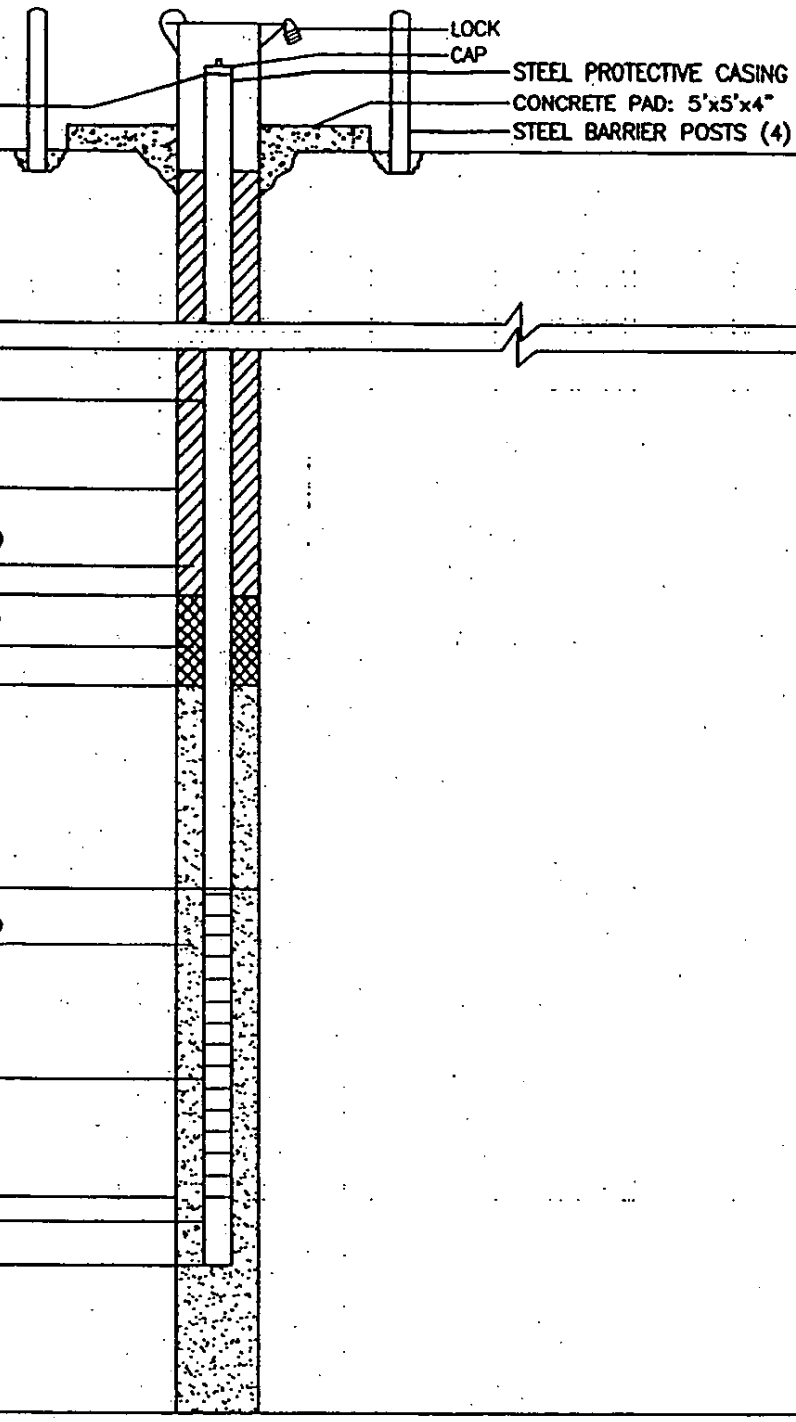
PROJECT NAME : Mundy Landfill

CLIENT : Jones Environmental. Inc.

PROJECT LOCATION : Mansfield, LA

STE PROJECT NO. 02-1051

Depth (ft)	Elevation (Ft. MSL)	
	243.11	TOP OF CASING
[illegible]0	239.7	Ground Surface
[2.0]	237.7	2" Diameter Schedule 40 PVC Riser (flush-threaded joints); 9" Diameter Borehole; Cement/Bentonite[1] Grout
[4.0]	235.7	Bentonite Pellet[2] Seal
[6.0]	233.7	
[10.67]	229.03	Sand Pack[3]; 2" Diameter Schedule 40 PVC Slotted Wellscreen (Slot Size 0.01")
[11.14]	228.56	2" Diameter PVC Sump
[13.0]	226.7	



Note: Drawing Not to Scale

(1) Grout Placement: Gravity Method
Grout Mixture: : Sakrete

(2) Bentonite Pellets: Size: 3/8 inch Volume: 5 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 2.5 cubic feet

Well Developed by S. Moore (JEI) Date: 3/1/05 & 3/9/05 Method: HPDE bailer Gallons removed: 10.5

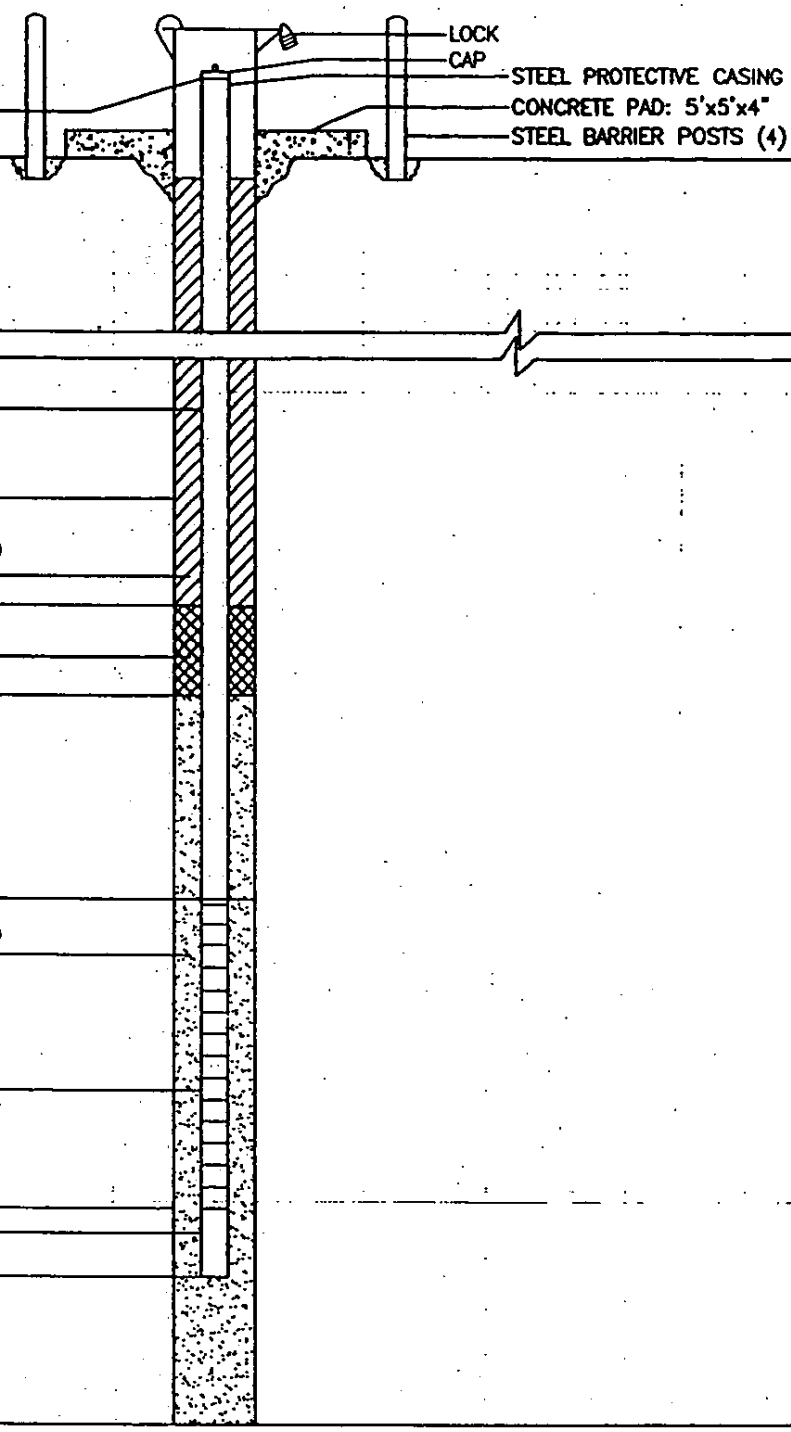
Jones Environmental, Inc.
708 Milam St., Ste. 100, Shreveport, LA
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

MONITOR WELL
CONSTRUCTION DIAGRAM

WELL # MW-C-5 | DATE: 2/25/05

Depth (ft)	Elevation (Ft. MSL)	
	232.91	TOP OF CASING
	229.5	Ground Surface
[7.5]	222.0	Cement/Bentonite[1] Grout
[9.5]	220.0	Bentonite Pellet[2] Seal
[12.0]	217.5	
[21.56]	207.94	Sand Pack[3]
[22.03]	207.47	2" Diameter PVC Sump
[24.0]	205.05	



Note: Drawing Not to Scale

(1) Grout Placement: Pump Down Method
Grout Mixture: Cement/Bentonite

(2) Bentonite Pellets: Size: 3/8 inch Volume: 5 gallons Hydration Time: 20 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 5 cubic feet

Well Developed by J. Jackson (JEI) Date: 3/9/05 Method: PVC bailer Gallons removed: 7

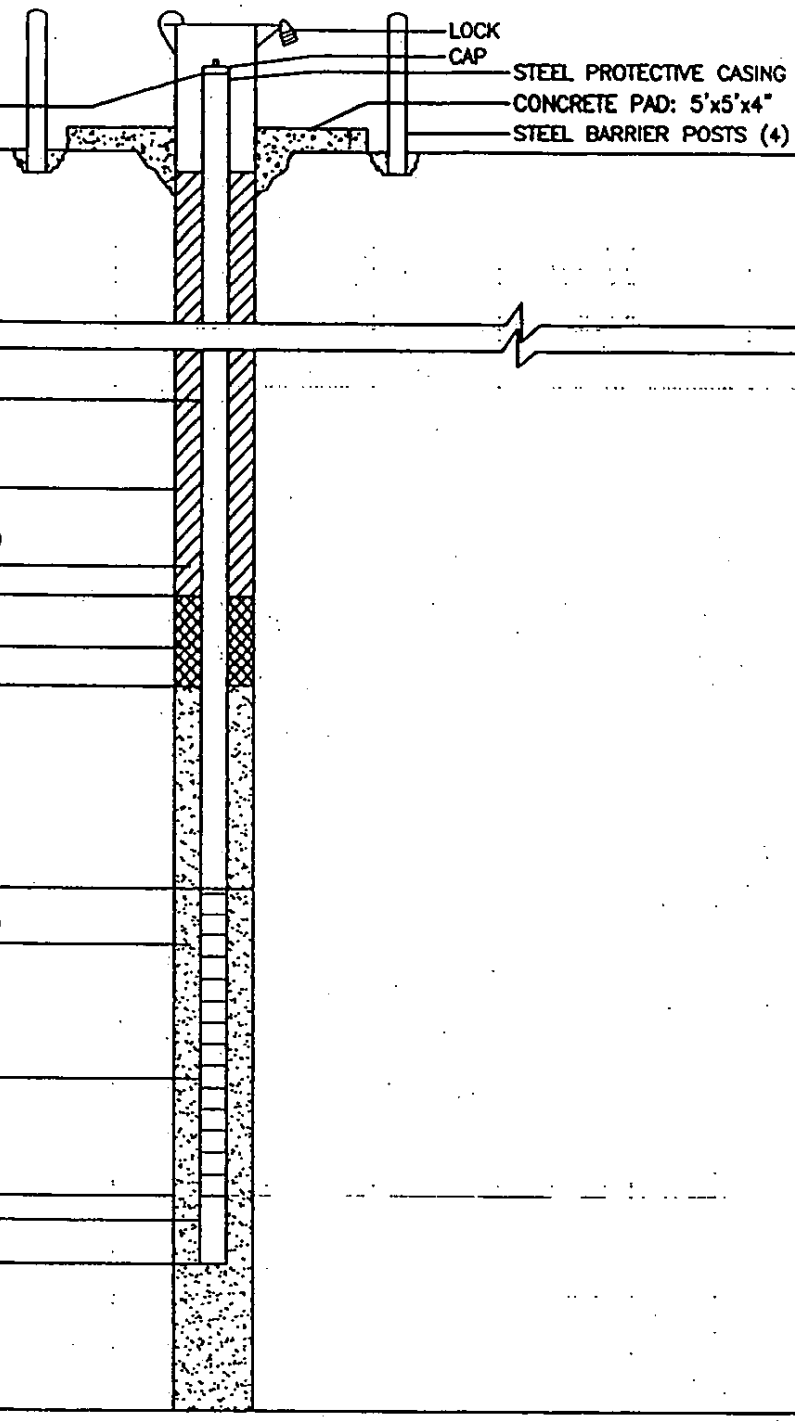
Jones Environmental, Inc.
708 Milam St., Ste. 100, Shreveport, LA
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

MONITOR WELL
CONSTRUCTION DIAGRAM

WELL # MW-C-6 | DATE: 3/2/05

Depth (ft)	Elevation (Ft. MSL)	
	267.37	TOP OF CASING
	264.5	Ground Surface
[66.0]	198.5	Cement/Bentonite Grout (1)
[68.0]	196.5	Bentonite Pellet Seal (2)
[70.0]	194.5	
[79.55]	184.95	Sand Pack (3); 2" Diameter Schedule 40 PVC Slotted Wellscreen (Slot Size 0.01")
[80.05]	184.45	2" Diameter PVC Sump
[82.0]	182.5	



Note: Drawing Not to Scale

(1) Grout Placement: Pump Down Method
Grout Mixture: Cement/Bentonite

(2) Bentonite Pellets: Size: 3/8 inch Volume: 5 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 5 cubic feet

Well Developed by J. Jackson (JEI) Date: 3/9/05 Method: PVC bailer Gallons removed: 17

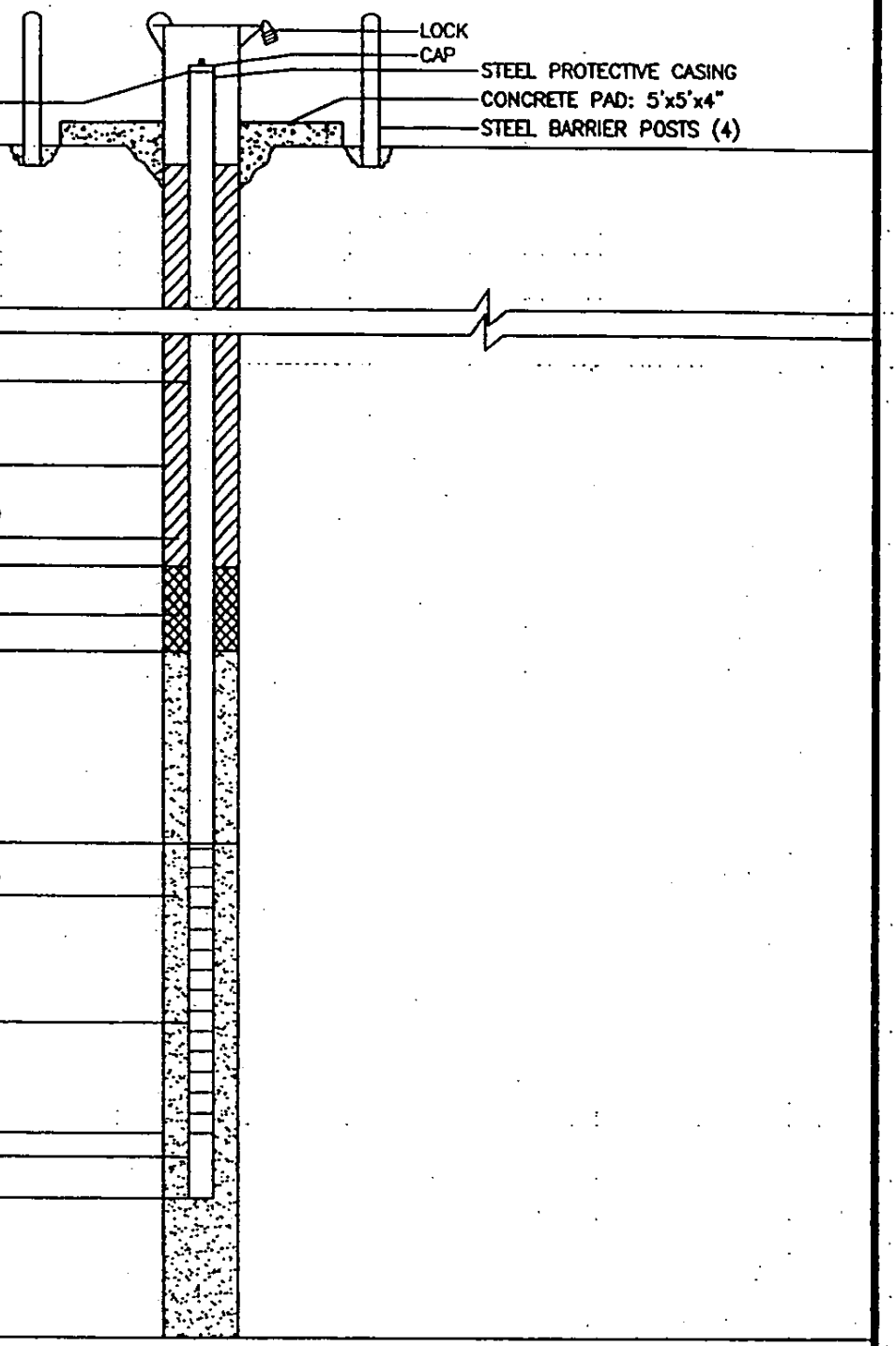
Jones Environmental, Inc.
708 Milam St., Ste. 100, Shreveport, LA
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

MONITOR WELL CONSTRUCTION DIAGRAM

WELL # MW-G1-7 | DATE: 3/3/05

Depth (ft)	Elevation (Ft. MSL)	
	215.81	TOP OF CASING
0	212.1	Ground Surface
[2.4]	209.7	2" Diameter Schedule 40 PVC Riser (flush-threaded joints); 9" Diameter Borehole; Cement/Bentonite Grout (1)
[4.0]	208.1	Bentonite Pellet Seal (2)
[5.2]	206.9	
[14.75]	197.35	Sand Pack (3); 2" Diameter Schedule 40 PVC Slotted Wellscreen (Slot Size 0.01")
[15.20]	196.90	2" Diameter PVC Sump
[18.0]	194.1	



Note: Drawing Not to Scale

(1) Grout Placement: Gravity Method
Grout Mixture: Sakrete

(2) Bentonite Pellets: Size: 3/8 inch Volume: 5 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 5 cubic feet

Well Developed by J. Jackson (JEI) Date: 3/9/05 Method: PVC bailer Gallons removed: 3

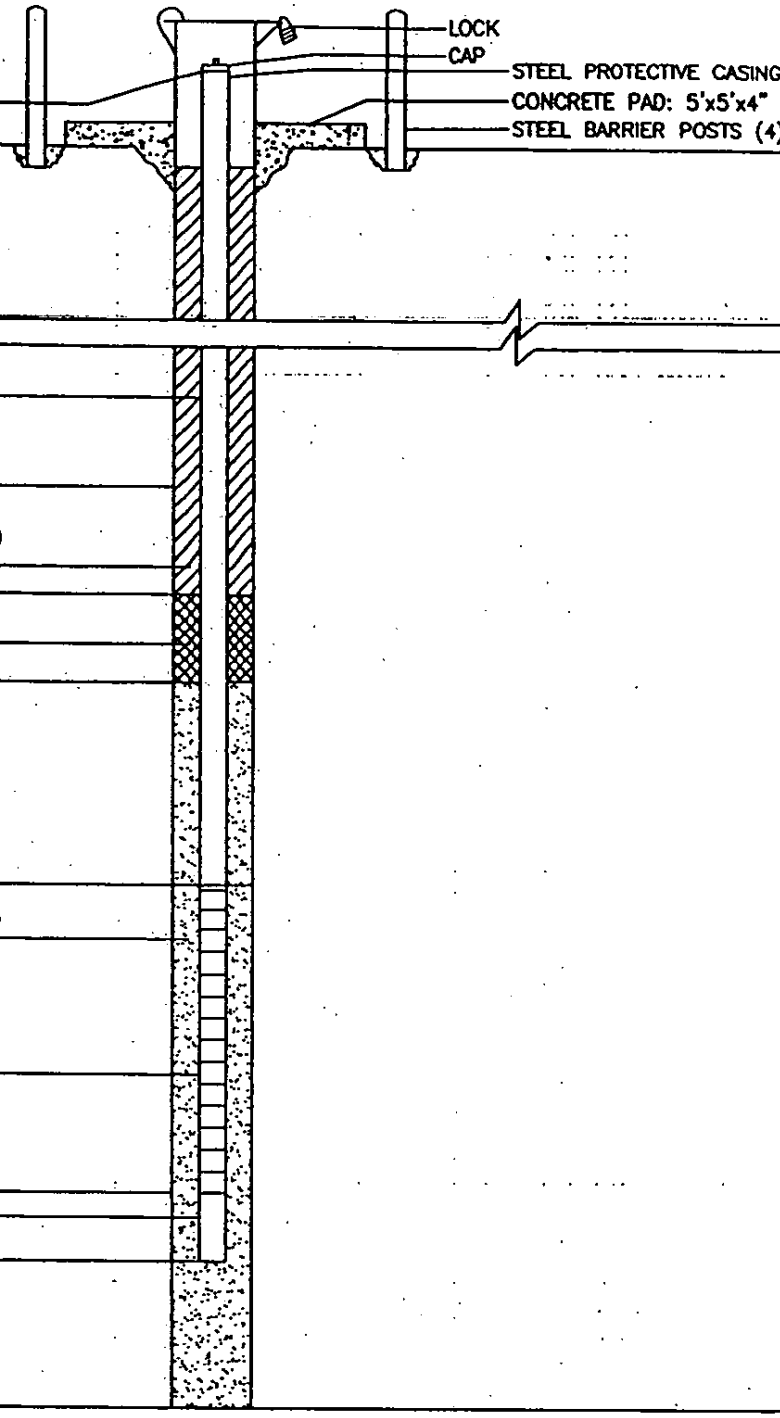
Jones Environmental, Inc.
708 Milam St., Ste. 100, Shreveport, LA
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

MONITOR WELL
CONSTRUCTION DIAGRAM

WELL # MW-G1-8 | DATE: 3/1/05

Depth (ft)	Elevation (Ft. MSL)	
	196.94	TOP OF CASING
00	193.3	Ground Surface
[0.5]	192.8	2" Diameter Schedule 40 PVC Riser (flush-threaded joints); 9" Diameter Borehole; Cement/Bentonite[1] Grout
[3.0]	190.3	Bentonite Pellet[2] Seal
[5.0]	188.3	
[9.66]	183.64	Sand Pack[3]; 2" Diameter Schedule 40 PVC Slotted Wellscreen (Slot Size 0.01")
[10.04]	183.26	2" Diameter PVC Sump
[12.0]	181.3	



Note: Drawing Not to Scale

(1) Grout Placement: Gravity Method
Grout Mixture: Sakrete

(2) Bentonite Pellets: Size: 3/8 inch Volume: 5 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 2.75 cubic feet

Well Developed by S. Moore (JEI) Date: 3/1/05 & 3/9/05 Method: HPDE bailer Gallons removed: 11

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(318) 226-8444

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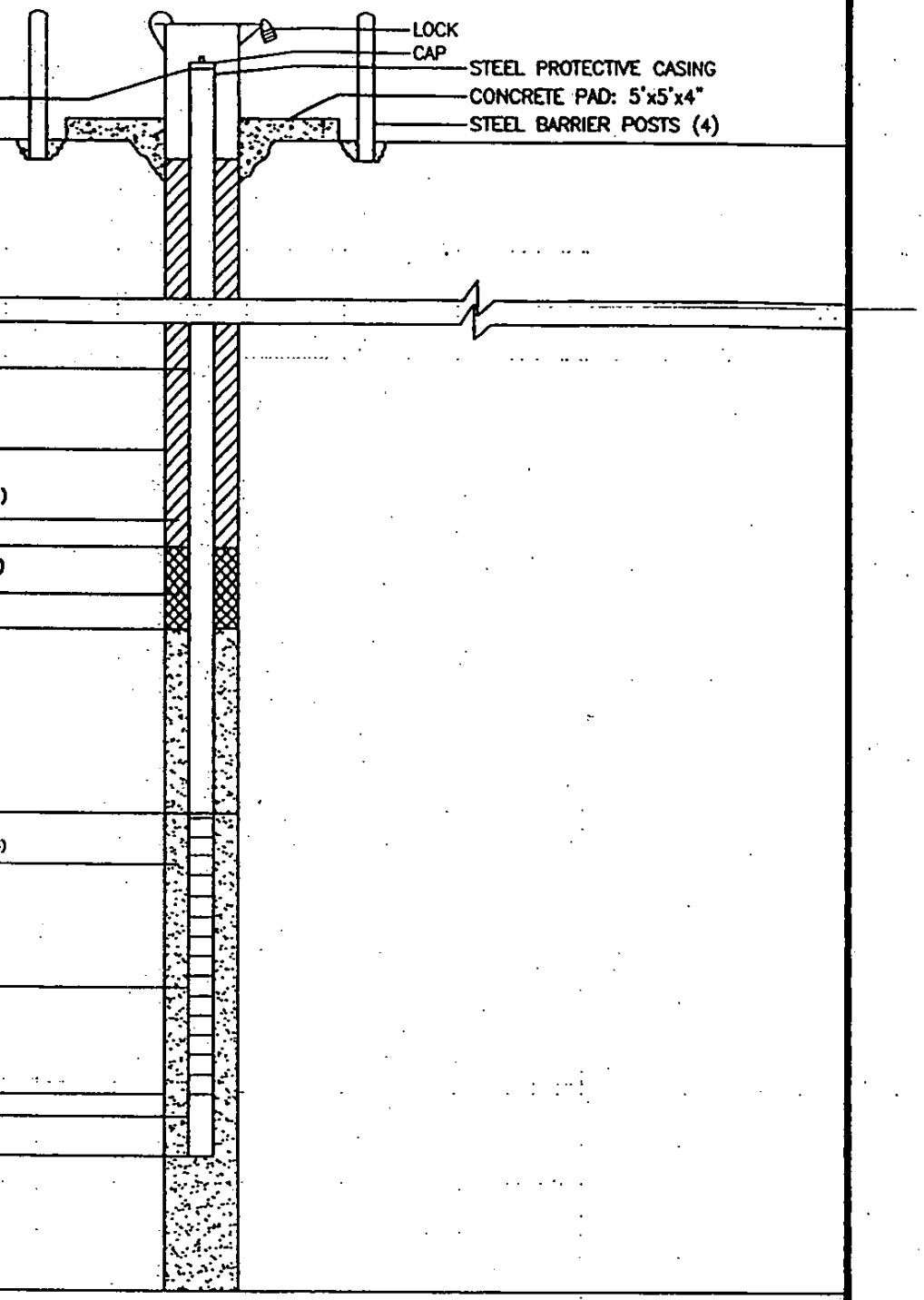
Address: 2712 Hwy 84 East
Mansfield, LA 71052

MONITOR WELL
CONSTRUCTION DIAGRAM

WELL # MW-G1-9 | DATE: 2/25/05

Depth (ft)	Elevation (Ft. MSL)	
	188.19	TOP OF CASING
	185.1	Ground Surface
[1.75]	183.35	Cement/Bentonite[1] Grout
[2.5]	182.6	Bentonite Pellet[2] Seal
[3.0]	182.1	
[7.77]	177.33	
[8.14]	176.96	2" Diameter PVC Sump
[10.0]	175.1	



Note: Drawing Not to Scale

(1) Grout Placement: Gravity Method
Grout Mixture: Sakrete

(2) Bentonite Pellets: Size: 3/8 inch Volume: 3 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 2.3 cubic feet

Well Developed by S. Moore (JEI) Date: 3/9/05 Method: HPDE bailer Gallons removed: 11.5

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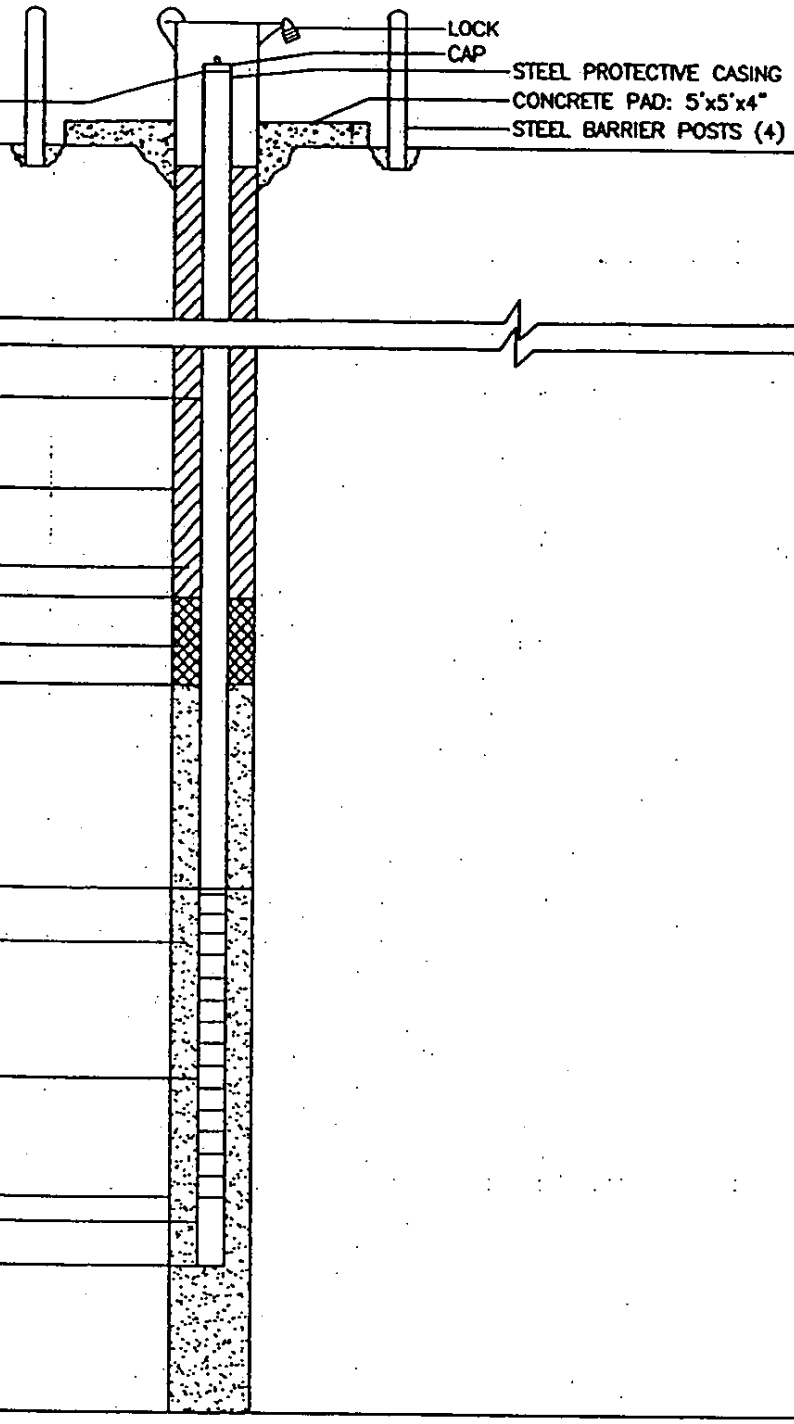
Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

MONITOR WELL
CONSTRUCTION DIAGRAM

WELL # MW-G1-10 | DATE: 3/4/05

Depth (ft)	Elevation (Ft. MSL)	
	232.20	TOP OF CASING
[illegible]	229.9	Ground Surface
[44.0]	185.9	2" Diameter Schedule 40 PVC Riser (flush-threaded joints); 9" Diameter Borehole; Cement/Bentonite Grout (1)
[46.0]	183.9	Bentonite Pellet Seal (2)
[48.0]	181.9	
[57.56]	172.34	Sand Pack (3); 2" Diameter Schedule 40 PVC Slotted Wellscreen (Slot Size 0.01")
[58.01]	171.89	2" Diameter PVC Sump
[60.0]	169.9	



Note: Drawing Not to Scale

(1) Grout Placement: Pump Down Method
Grout Mixture: Cement/Bentonite

(2) Bentonite Pellets: Size: 3/8 inch Volume: 5 gallons Hydration Time: 15.5 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 5 cubic feet

Well Developed by J. Jackson (JEI) Date: 3/9/05 Method: PVC bailer Gallons removed: 15

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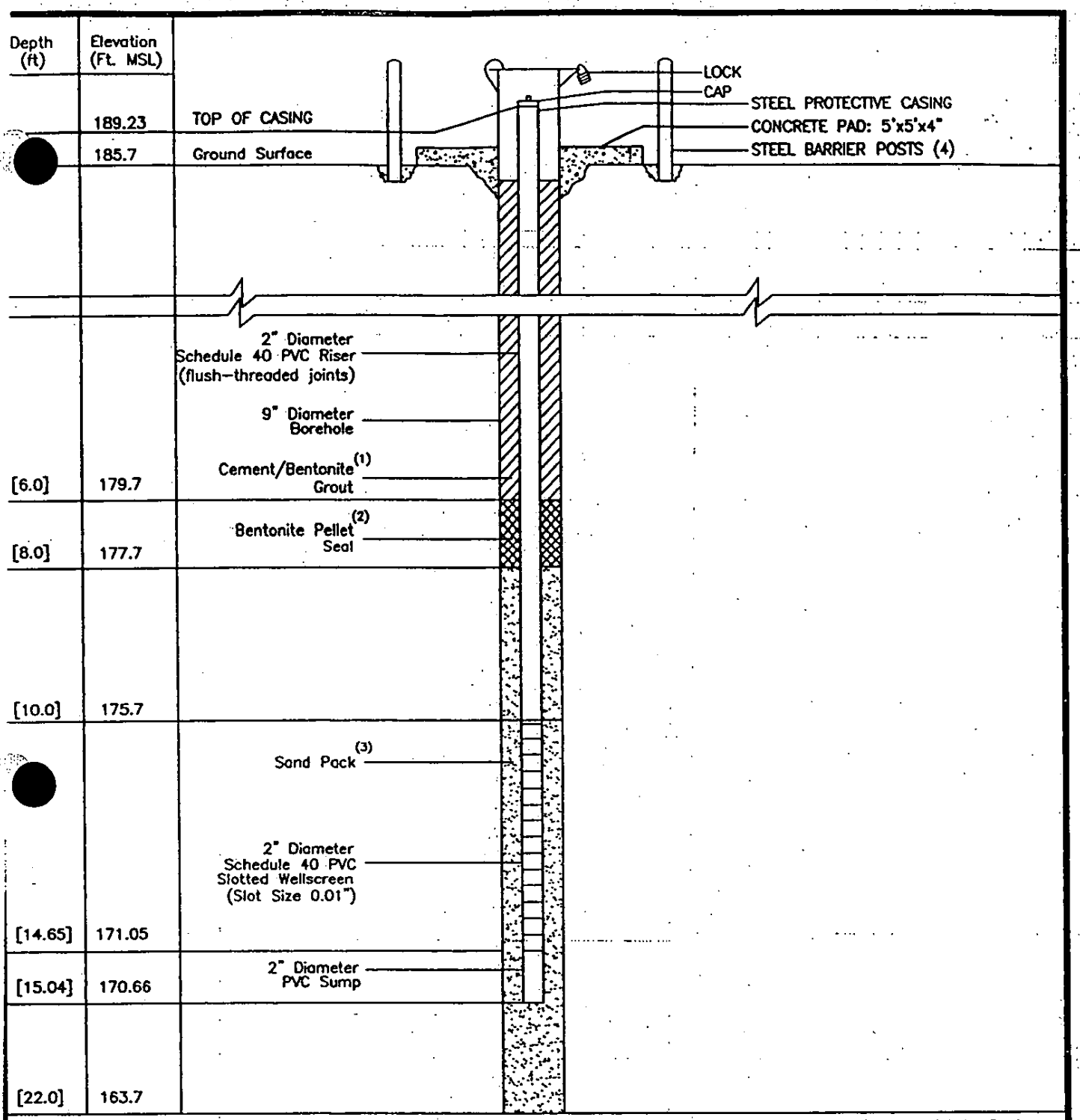
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

MONITOR WELL
CONSTRUCTION DIAGRAM

WELL # MW-G2-12 | DATE: 3/2/05



Note: Drawing Not to Scale

(1) Grout Placement: Pump Down Method
Grout Mixture: Cement/Bentonite

(2) Bentonite Pellets: Size: 3/8 inch Volume: 5 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 5 cubic feet

Well Developed by J. Jackson (JEI) Date: 3/9/05 Method: PVC bailer Gallons removed: 31

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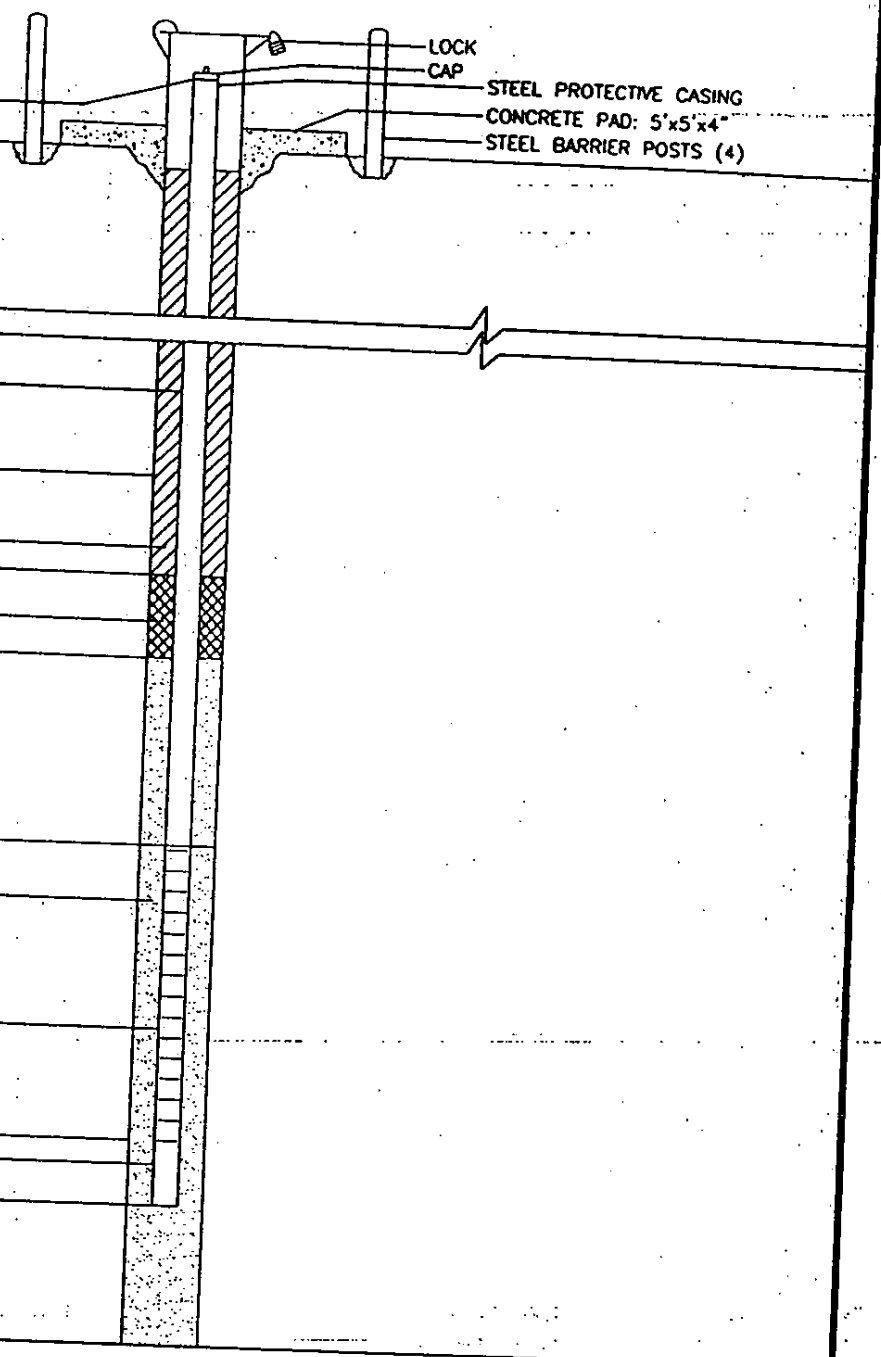
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

MONITOR WELL
CONSTRUCTION DIAGRAM

WELL # MW-G2-13 | DATE: 3/1/05

Depth (ft)	Elevation (Ft. MSL)	
+3.02	+189.74	TOP OF CASING
0.00	+186.72	Ground Surface
-1.1	+185.62	Grout (1)
-2.7	+184.02	Bentonite Pellet Seal (2)
-5.0	+181.72	
-14.45	+172.27	
-15.15	+171.57	
-15.15	+171.57	



Note: Drawing Not to Scale

(1) Grout Placement: Gravity Method
Grout Mixture: Sakrete

(2) Bentonite Pellets: Size: 3/8 inch Volume: 2.5 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 3 cubic feet

Well Developed by S. Moore (JEI) Date: 10/03/05 – 10/04/05 Method: HPDE bailer Gallons removed: 1

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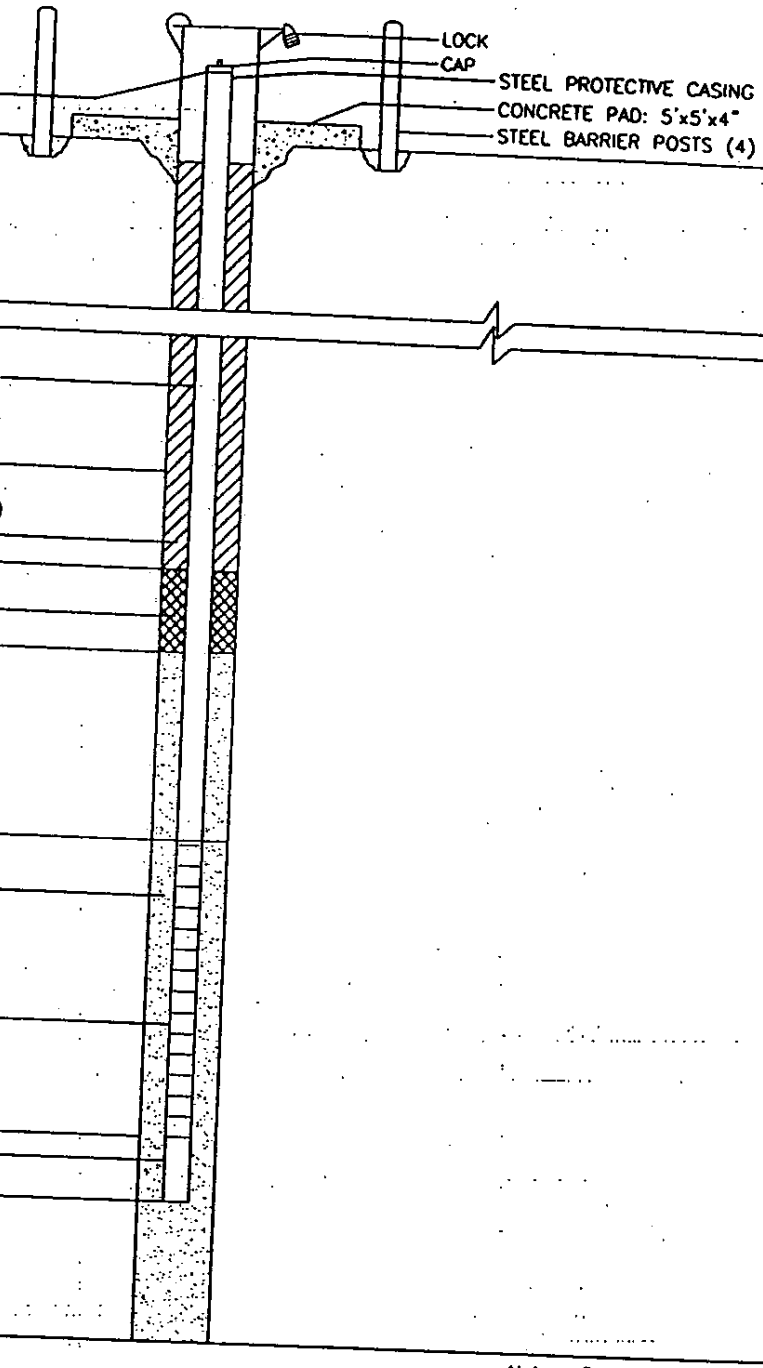
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

PIEZOMETER WELL CONSTRUCTION DIAGRAM

WELL #PZ-G1-305 | DATE: 09/30/05

Depth (ft)	Elevation (Ft. MSL)	
+3.10	+244.76	TOP OF CASING
0.00	+241.66	Ground Surface
-3.0	+238.66	
-6.5	+235.16	
-8.55	+233.11	
-13.0	+228.66	
-13.7	+227.96	
-14.0	+227.66	



Note: Drawing Not to Scale

(1) Grout Placement: Gravity Method
Grout Mixture: Sakrete

(2) Bentonite Pellets: Size: 3/8 inch Volume: 2.5 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 2 cubic feet

Well Developed by S. Moore (JEI) Date: 10/18/05 Method: HPDE bailer Gallons removed: 0.2 (dry)

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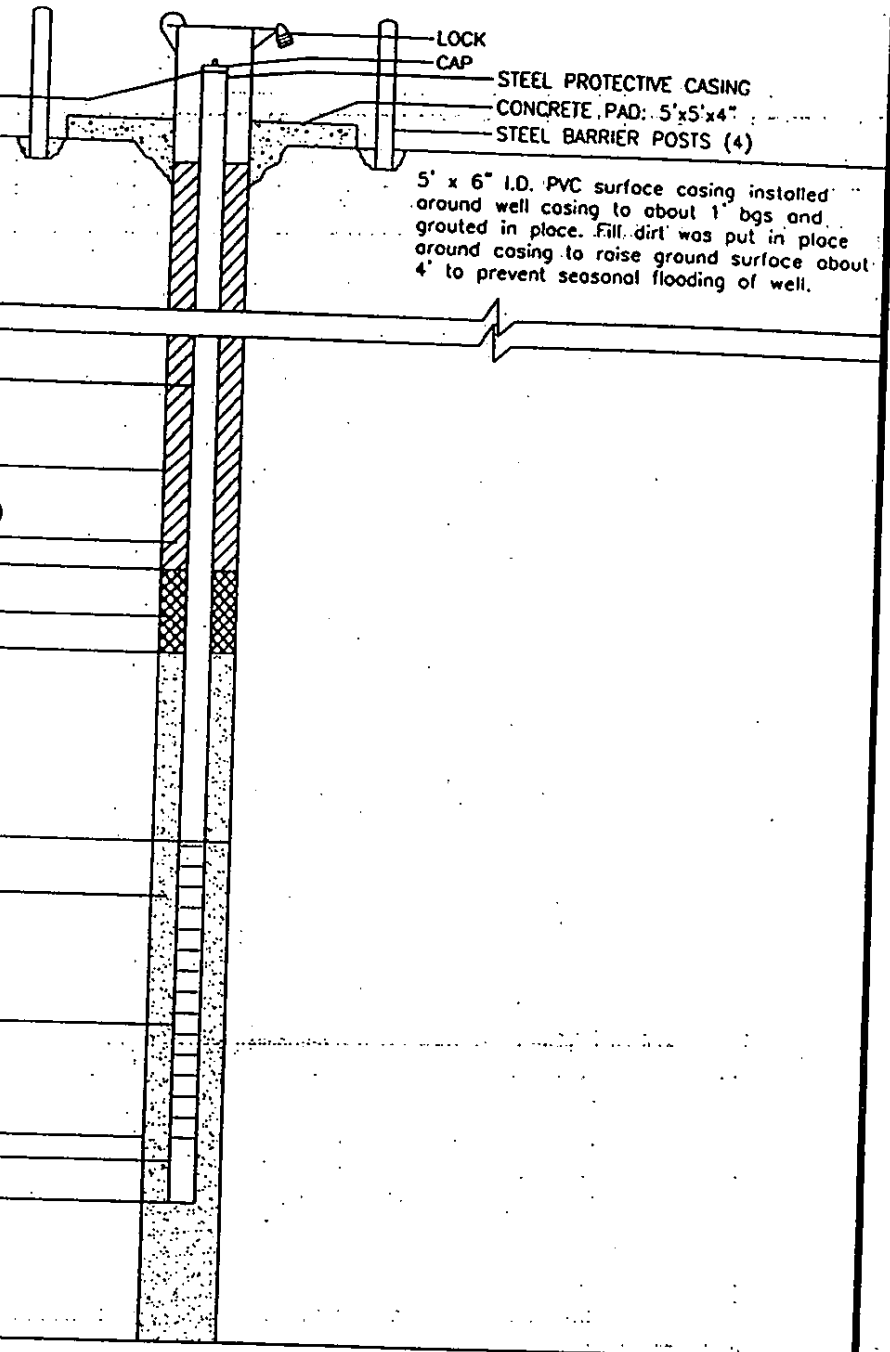
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

PIEZOMETER WELL CONSTRUCTION DIAGRAM

WELL #PZ-C-308 | DATE: 10/04/05

Depth (ft)	Elevation (Ft. MSL)	
+6.10	+168.10	TOP OF CASING
0.00	+162.0	Ground Surface
-11.5	+150.5	
-12.5	+149.5	
-16.35	+145.65	
-20.8	+141.2	
-21.5	+140.5	
-21.5	+140.5	



Note: Drawing Not to Scale

(1) Grout Placement: Pump down
Grout Mixture: Cement-bentonite (5%)

(2) Bentonite Pellets: Size: 3/8 inch Volume: 3.5 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 1.5 cubic feet

Well Developed by S. Moore (JEI) Date: 10/04/05 Method: HPDE bailer Gallons removed: 13

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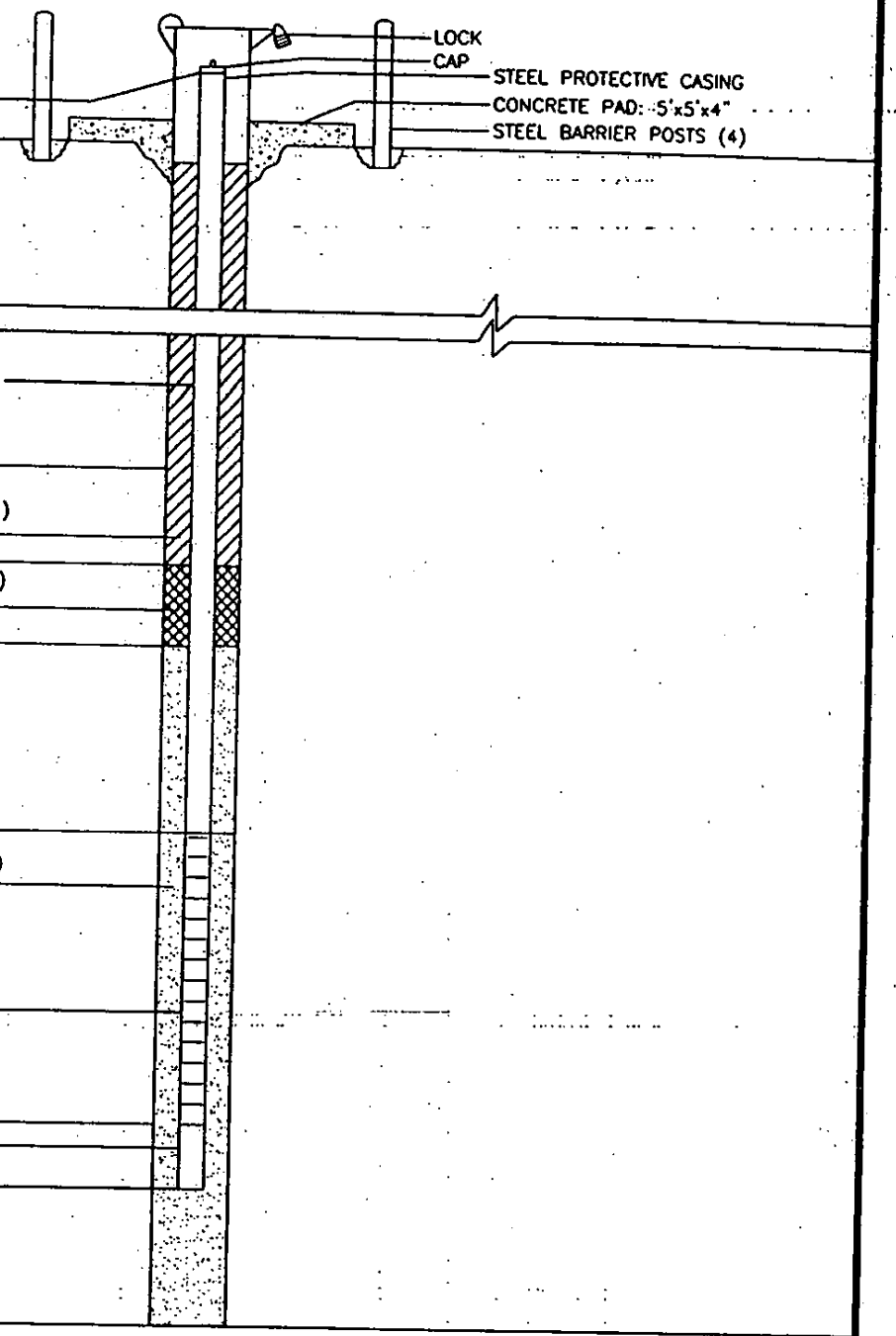
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

PIEZOMETER WELL CONSTRUCTION DIAGRAM

WELL #PZ-G2-309 | DATE: 10/04/05

Depth (ft)	Elevation (Ft. MSL)	
+4.68	+206.68	TOP OF CASING
0.00	+202.00	Ground Surface
-2.0	+200.00	2" Diameter Schedule 40 PVC Riser (flush-threaded joints); 5" Diameter Borehole; Grout (1)
-3.5	+198.50	Bentonite Pellet (2) Seal
-8.55	+193.45	
-18.00	+184.00	Sand Pack (3); 2" Diameter Schedule 40 PVC Slotted Wellscreen (Slot Size 0.01")
-18.70	+183.30	2" Diameter PVC Sump
-19.0	+183.0	



Note: Drawing Not to Scale

(1) Grout Placement: Gravity Method
Grout Mixture: Sakrete

(2) Bentonite Pellets: Size: 3/8 inch Volume: 2.5 gallons Hydration Time: >24 hour

(3) Sand Placement: Gravity Method Type: 20/40 Silica Sand Volume: 3 cubic feet

Well Developed by C. Bronton & S. Moore (JEI) Date: 10/05/05 & 10/18/05 Method: HPDE bailer Gallons removed: 4.5*

* Well was dry. Approx. 5.75 gal. potable water was added to well & bailed to remove sediment.

Jones Environmental, Inc.
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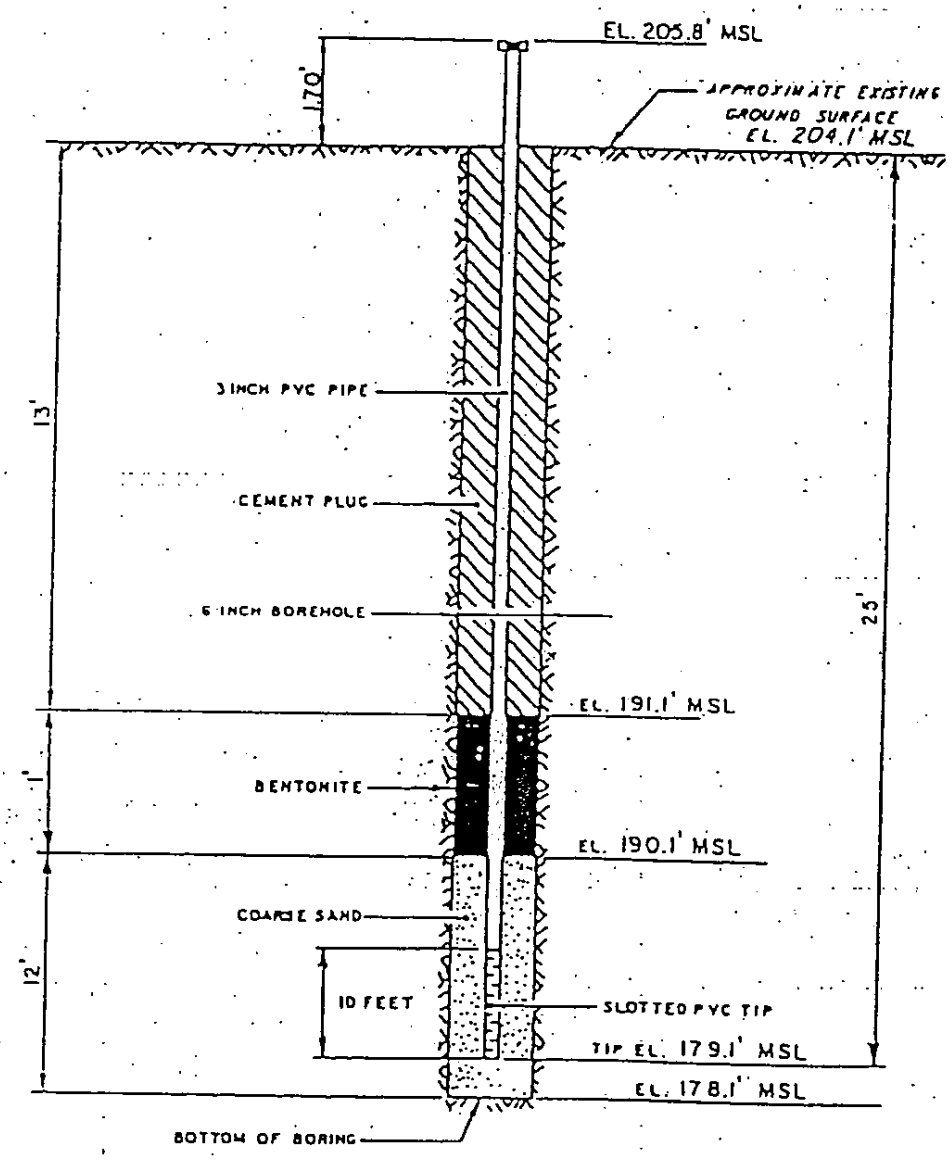
(318) 226-8444

Site: Mundy Landfill
Address: 2712 Hwy 84 East
Mansfield, LA 71052

PIEZOMETER WELL CONSTRUCTION DIAGRAM

WELL #PZ-G1-312 | DATE: 09/30/05

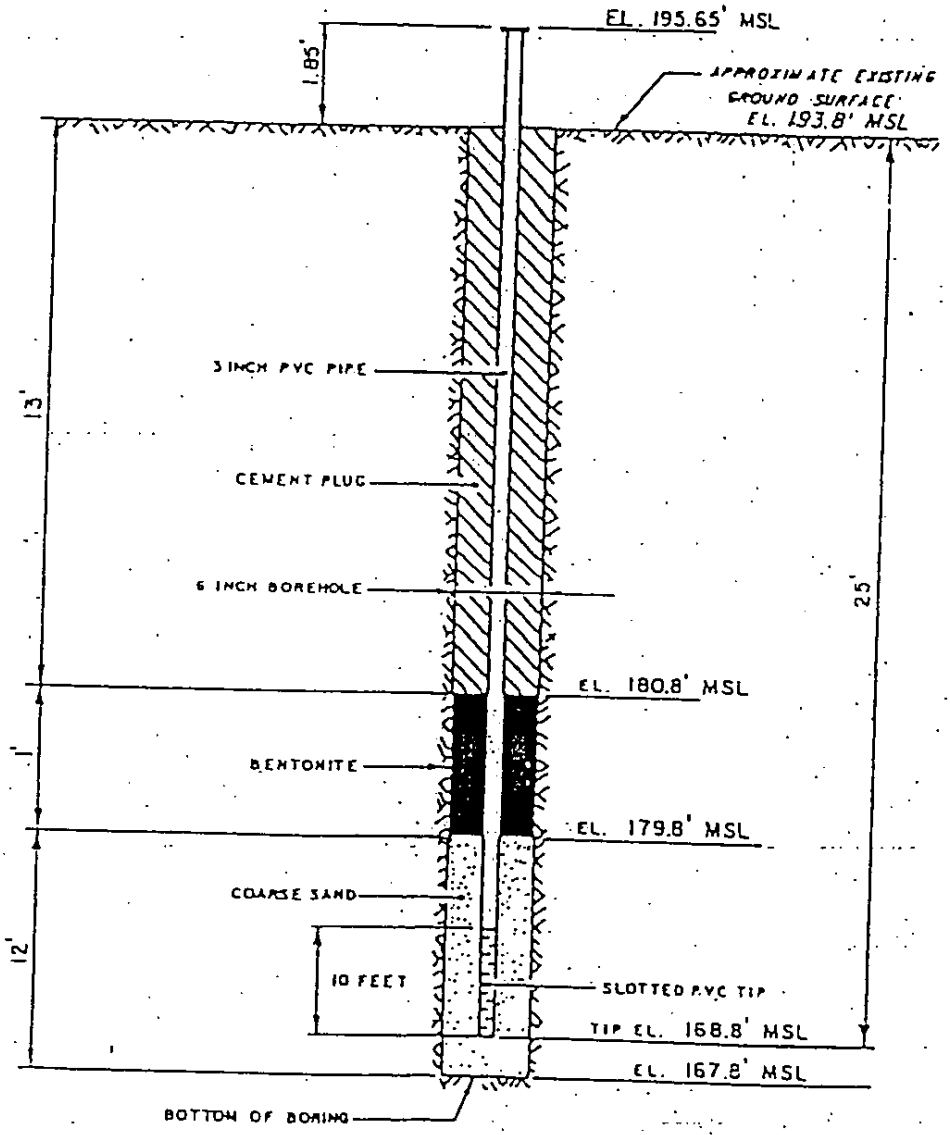


P&A 2005

MUNDY SANITARY LANDFILL

MONITORING WELL MW-2 INSTALLATION DIAGRAM

SCALE: N.T.S.	DESIGNED BY:	APPROVED BY:
DATE: 9/11/84	REVISED:	
SOUTHERN SERVICES		DRAWING NO. DSW-GW-11

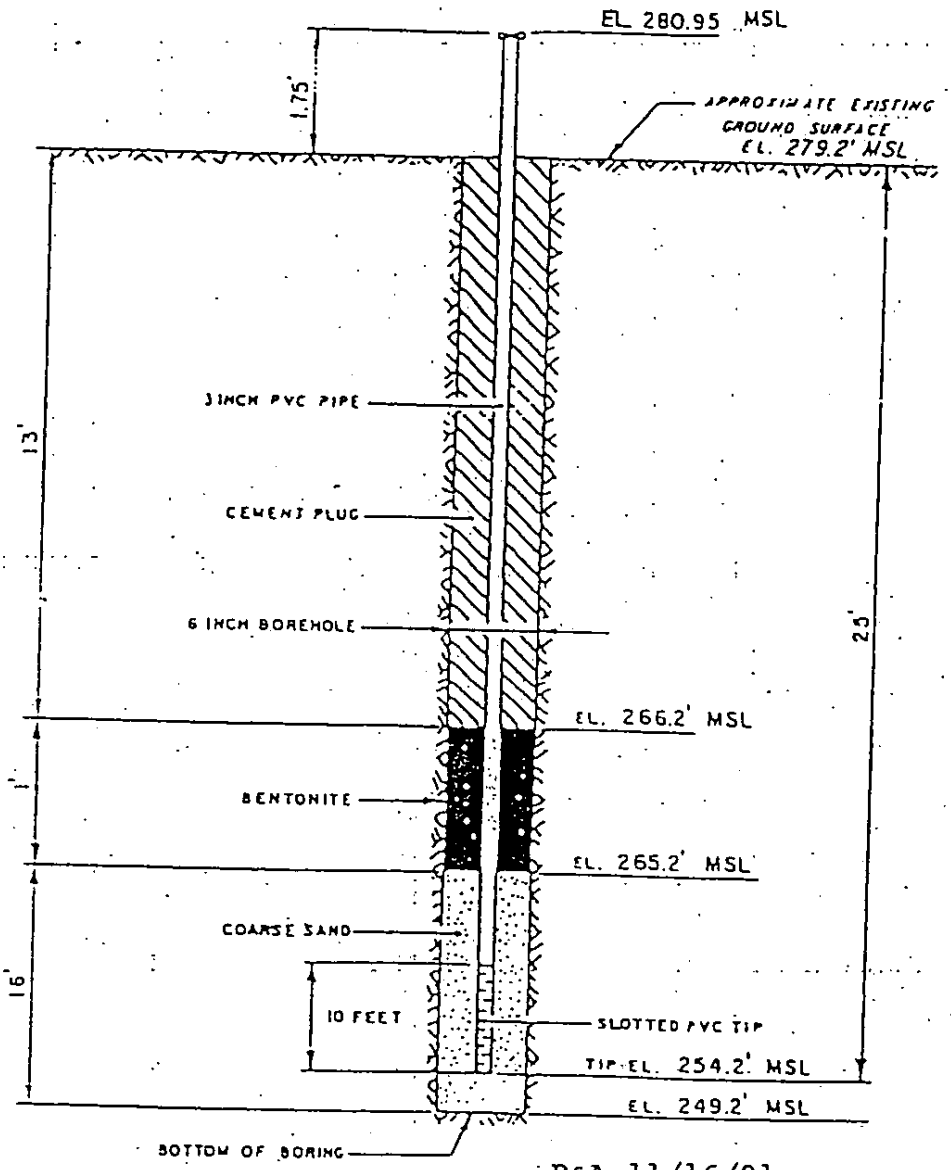


P&A 2/22/02

MUNDY SANITARY LANDFILL

MONITORING WELL MW-3 INSTALLATION DIAGRAM

SCALE: N.T.S.	DESIGNED BY:	APPROVED BY:
DATE: 9/11/84	REVISED:	
SOUTHERN SERVICES		DRAWING NO: DSW-GW-12



P&A 11/16/91

MUNDY SANITARY LANDFILL

MONITORING WELL MW-4 INSTALLATION DIAGRAM

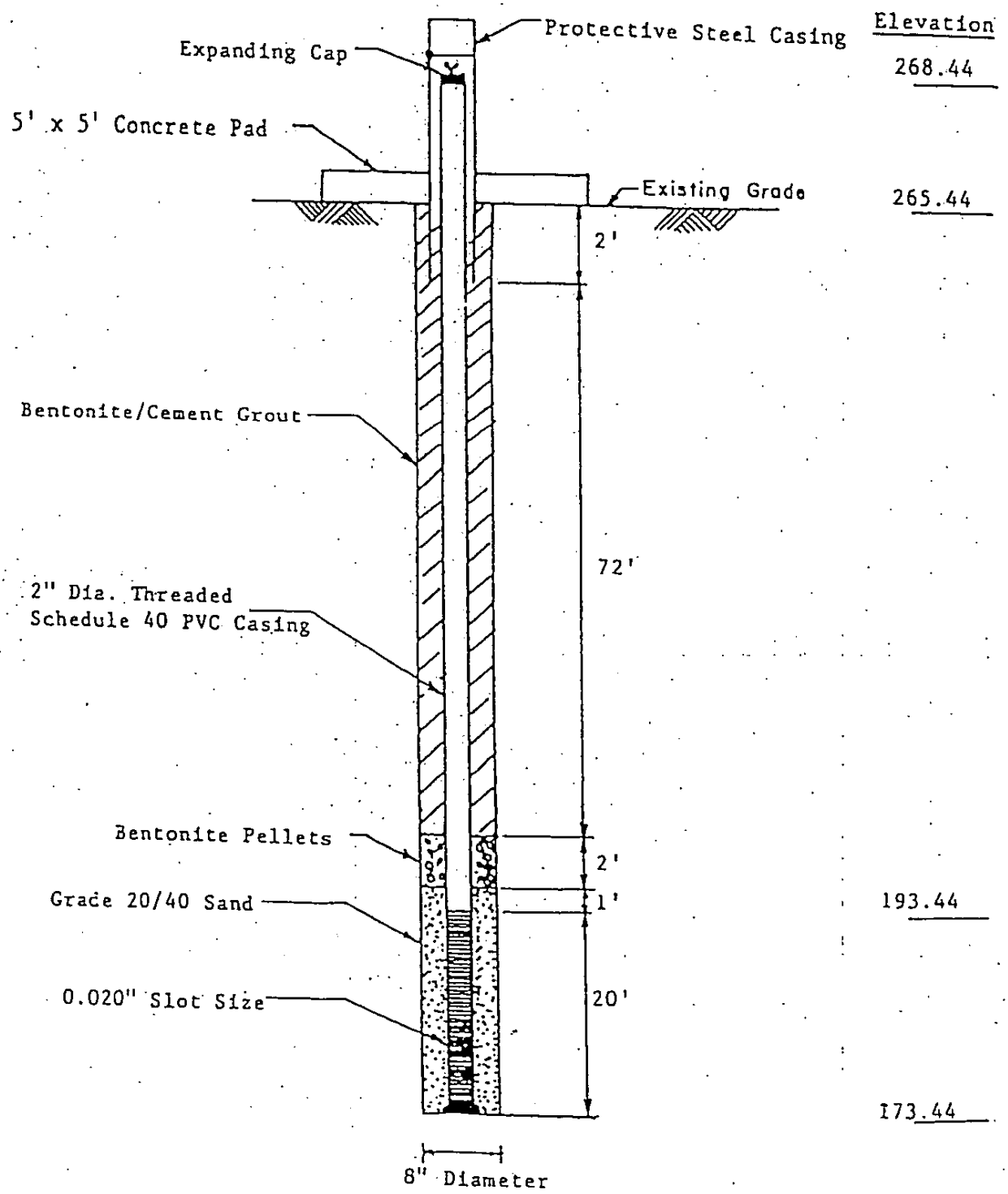
SCALE: N.T.S.	DESIGNED BY:	APPROVED BY:
DATE: 9/11/84	REVISED:	
SOUTHERN SERVICES		DRAWING NO: DSW-GW-13

Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 80 + 76
E 112 + 50

Piezometer No. LSPZ100B
Date Installed 1/21/97

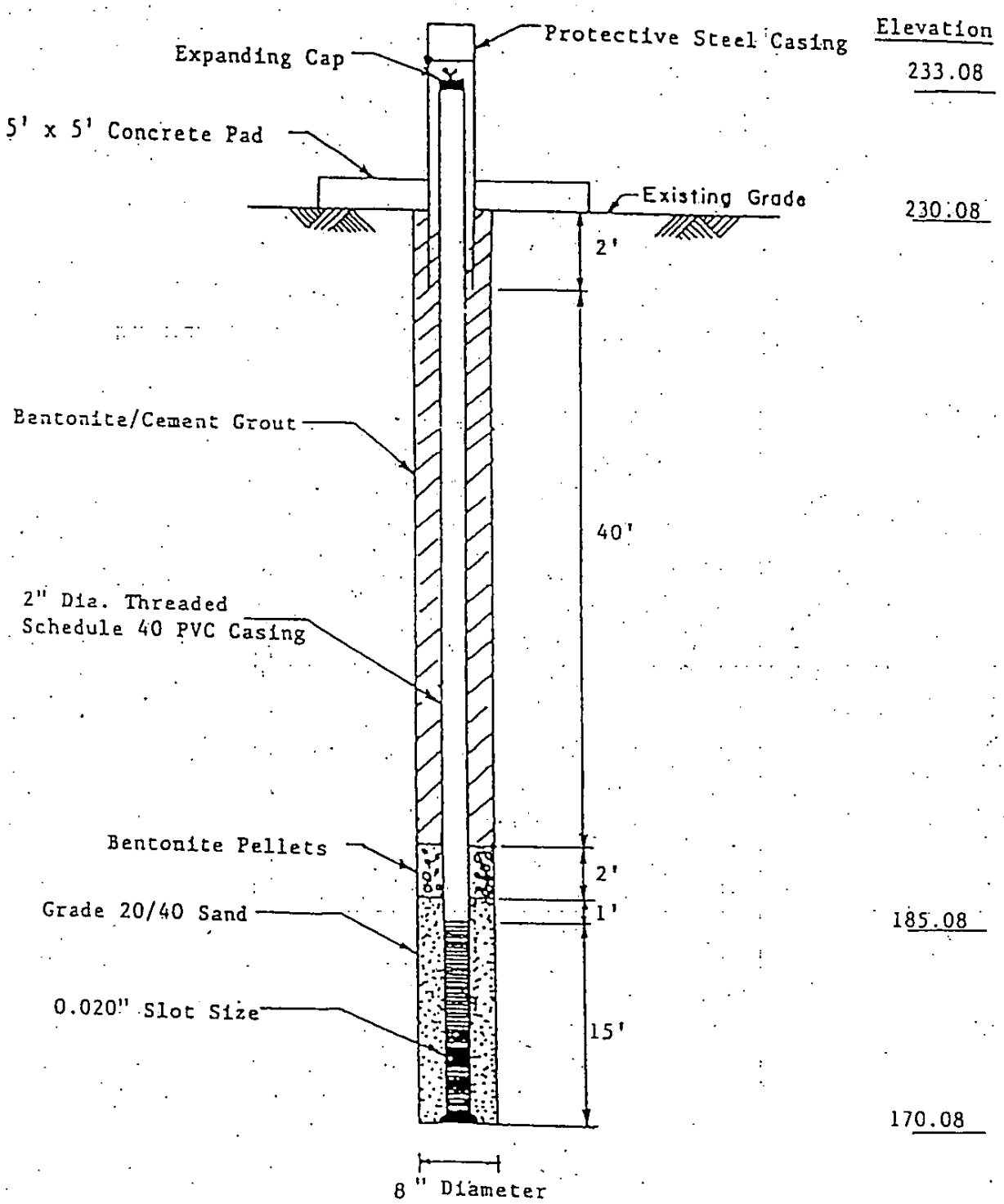
P&A 2005



Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 83 + 50
E 99 + 90

Piezometer No. LSPZ104
Date Installed 3/19/97
P&A 2005



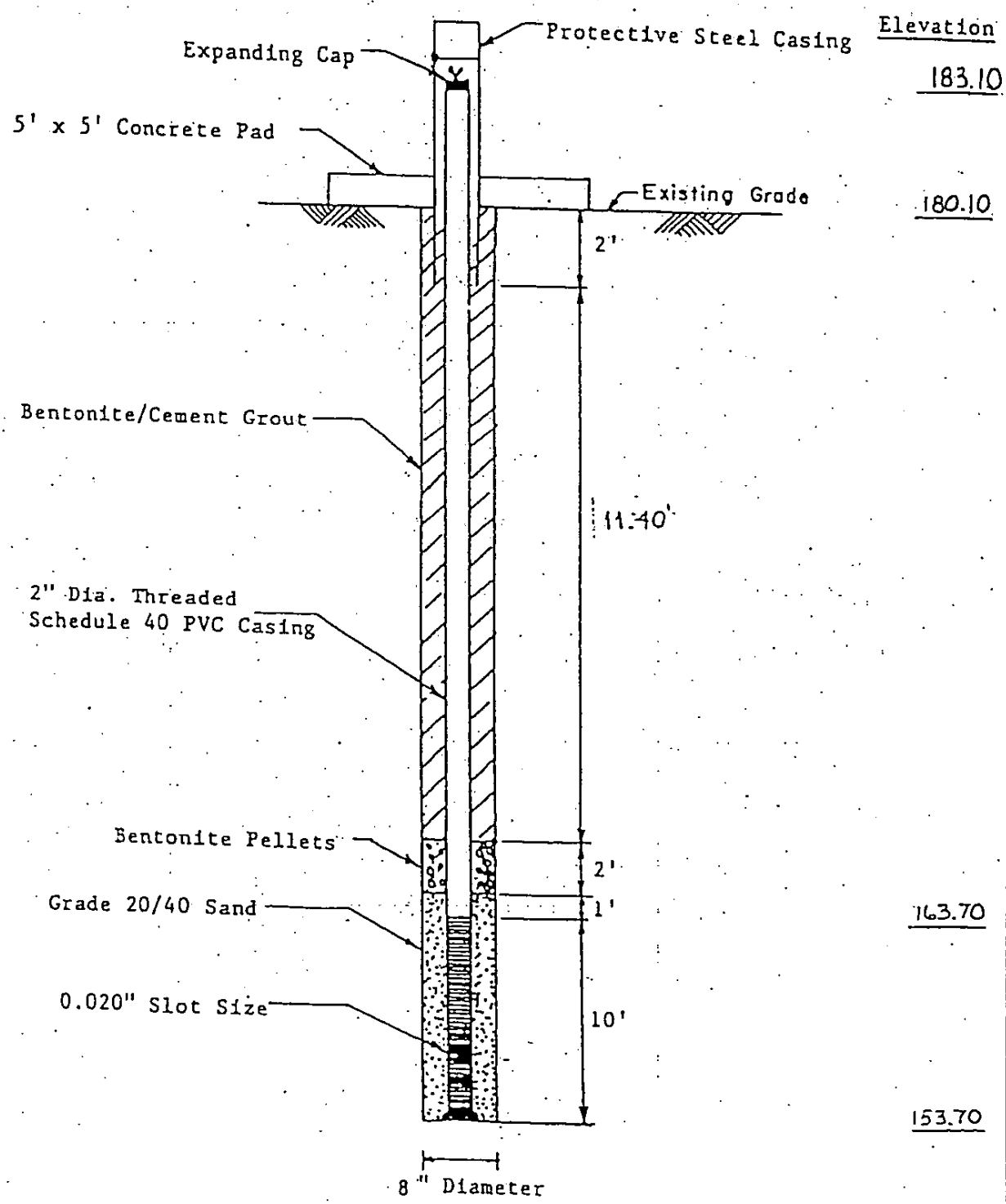
Maxim Technologies, Inc.

Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 94 + 70
E 99 + 60

Piezometer No. LSP2106B
Date Installed 3/10/97

P&A 2005

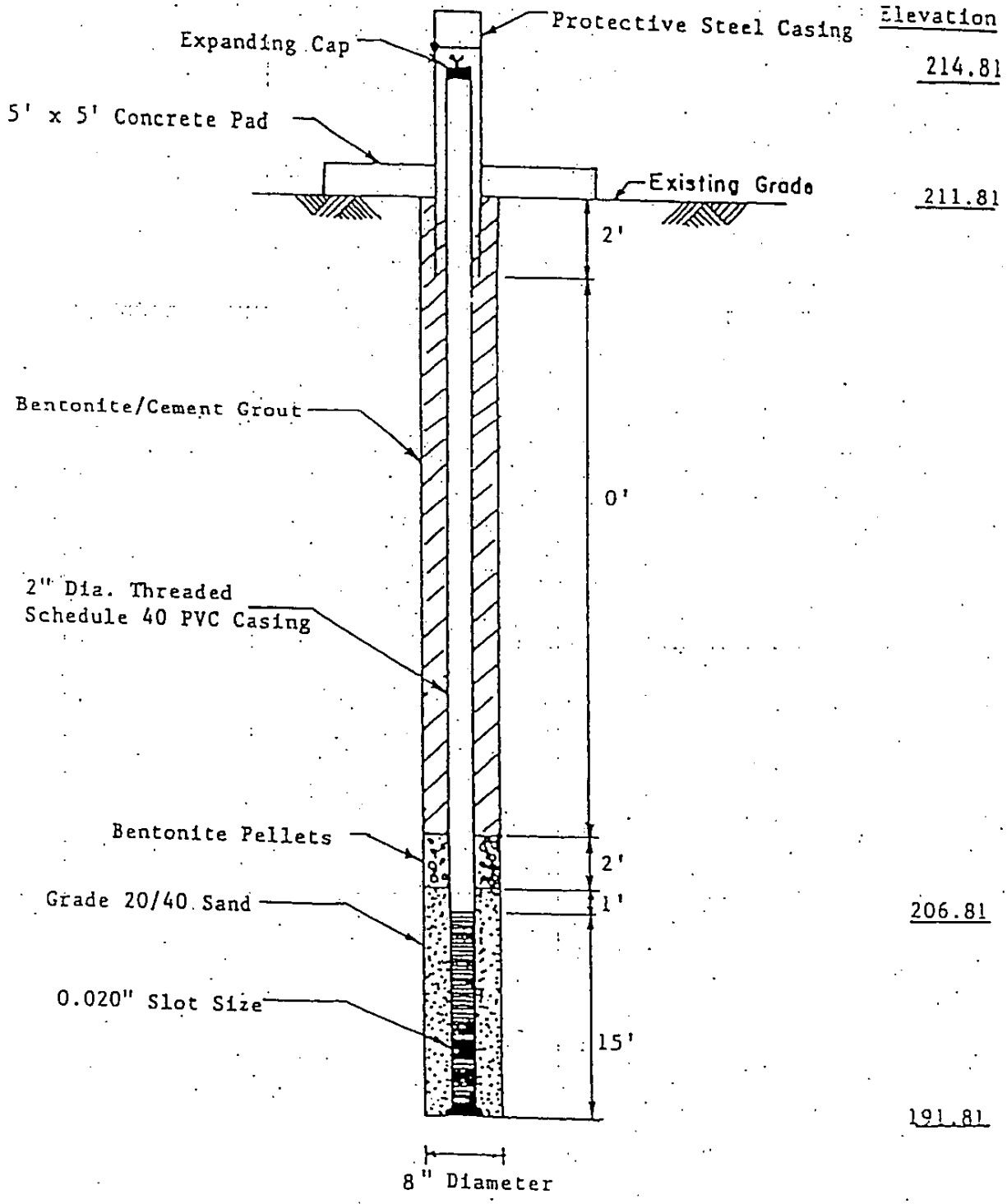


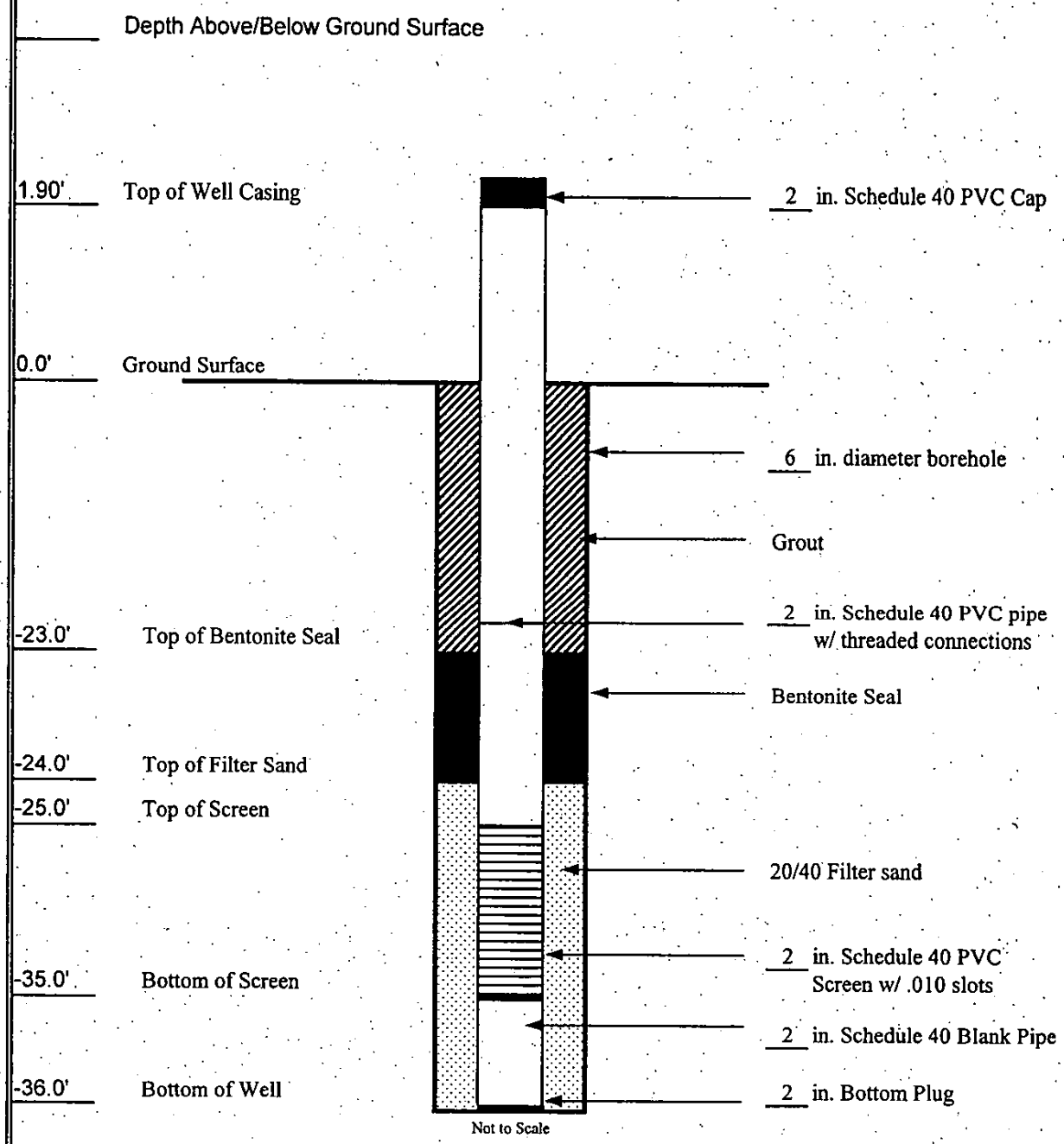
Piezometer Installation
Mundy Landfill, DeSoto Parish

Coordinates
N 96 + 96
E 110 + 22

Piezometer No. USPZ111
Date Installed 3/28/97

P&A 2005





LSPZ210G2

Renamed: LSPZ210B
P&A 2005

PROJECT NAME : Mundy Landfill

CLIENT : Jones Environmental. Inc.

PROJECT LOCATION : Mansfield, LA

STE PROJECT NO. 02-1051

Appendix SAP-D

Forms and Records

1) ~~Monitoring Well Field Log~~ Field Parameter Form

2) Sample Label

3) Monitor Well Chain of Custody

~~4) Monitor Well Chain of Custody (completed)~~

MONITORING WELL FIELD LOG FORM

Location _____

Well ID _____ Well depth (from TOC) _____ Elevation of TOC _____

Evacuation Data

Evacuation Date/Time _____ Method of evacuation _____

Top of casing to water level _____ Well diameter _____

Gallons per well volume _____ Total gallons evacuation _____

(Calculations _____)

Field Measurements

Replicate #1 Temp. _____ pH _____ Conductivity _____

Replicate #2 Temp. _____ pH _____ Conductivity _____

Replicate #3 Temp. _____ pH _____ Conductivity _____

(Note: When measurements stabilize, collect sample)

Sampling Data

Sampling: Date/Time _____ Method of sampling _____

Top of casing to water level _____ Water Color _____

Well Inspection

	Yes	No	Comments
a) Well locked?	___	___	_____
b) Evidence of tampering?	___	___	_____
c) Protective casing, well pad, guard posts in good condition?	___	___	_____
d) Well casing in good condition?	___	___	_____
e) PVC well cap in place?	___	___	_____

Comments/Observations: _____

Sample Collector: _____

Certification:

_____ (Signature)

_____ (Date)

DELETE

97-10309

FIELD PARAMETER FORM

Client/Agent: DESOTO PARISH POLICE JURY
Site: Mundy Landfill
Project: Semiannual Groundwater Monitoring

Date:_____

Monitoring Well/Sample ID #	MW-C-4A	MW-C-5	MW-C-6	MW-C-113	PZ-C-102	PZ-C-103	PZ-C-209
Gradient	Up	Down	Down	Down	Down	Down	Up
Well locked?							
Evidence of tampering?							
Protective casing, pad, posts in good condition?							
Well casing in good condition?							
Well cap in place?							
WATER LEVEL DATA							
Gauging Date							
Well Diameter (inches)	3	2	2	2	2	2	2
Total Depth of Well (ft.)							
Measured Depth to Water (ft.)							
Water in Well (ft.)							
Gallons per foot	0.37	0.16	0.16	0.16	0.16	0.16	0.16
Gallons in Well							
PURGING DATA							
Purge/Sample Date							
Method (Bailer Material)							
Three Well Volumes (gallons)							
Start Purge Time							
pH (std. Units) 1 vol/2vol/3 vol							
Spec. Conduct. (uS) 1 vol/2 vol/3 vol							
Temperature (deg C) 1 vol/2 vol/3 vol							
Purge Volume (gallons)							
SAMPLING DATA							
Method (Bailer Material)							
Sampling Time							
pH (std. units)							
Specific Conductance (uS)							
Temperature (deg C)							
Sample appearance							
Total Depth of Well After Sampling (ft.)							
ELEVATION DATA							
Measuring Point Elevation (ft MSL)	281.98	243.11	232.91	264.42	266.67	267.13	252.35
Groundwater Elevation (ft MSL)							

WEATHER CONDITIONS:_____

Observations:

Sampler Signature:

FIELD PARAMETER FORM

Client/Agent: DESOTO PARISH POLICE JURY
Site: Mundy Landfill
Project: Semiannual Groundwater Monitoring

Date:_____

Monitoring Well/Sample ID #	MW-G1-7	MW-G1-102	MW-G1-8	MW-G1-9	MW-G1-10	MW-G1-104B	MW-G1-219
Gradient	Up	Up	Down	Down	Down	Down	Down
Well locked?							
Evidence of tampering?							
Protective casing, pad, posts in good condition?							
Well casing in good condition?							
Well cap in place?							
WATER LEVEL DATA							
Gauging Date							
Well Diameter (inches)	2	2	2	2	2	2	2
Total Depth of Well (ft.)							
Measured Depth to Water (ft.)							
Water in Well (ft.)							
Gallons per foot	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Gallons in Well							
PURGING DATA							
Purge/Sample Date							
Method (Bailer Material)							
Three Well Volumes (gallons)							
Start Purge Time							
pH (std. Units) 1 vol/2vol/3 vol							
Spec. Conduct. (uS) 1 vol/2 vol/3 vol							
Temperature (deg C) 1 vol/2 vol/3 vol							
Purge Volume (gallons)							
SAMPLING DATA							
Method (Bailer Material)							
Sampling Time							
pH (std. units)							
Specific Conductance (uS)							
Temperature (deg C)							
Sample appearance							
Total Depth of Well After Sampling (ft.)							
ELEVATION DATA							
Measuring Point Elevation (ft NGVD)	267.37	266.56	215.81	196.94	188.19	217.79	208.47
Groundwater Elevation (ft NGVD)							

WEATHER CONDITIONS:_____

Observations:

Sampler Signature:

FIELD PARAMETER FORM

Client/Agent: DESOTO PARISH POLICE JURY
Site: Mundy Landfill
Project: Semiannual Groundwater Monitoring

Date:_____

Monitoring Well/Sample ID #	MW-G1-305	MW-G1-312	MW-G1-14	MW-G1-15	MW-G1-16	PZ-G1-209	MW-G2-103
Gradient	Down	Down	Down	Down	Down	Down	Up
Well locked?							
Evidence of tampering?							
Protective casing, pad, posts in good condition?							
Well casing in good condition?							
Well cap in place?							
WATER LEVEL DATA							
Gauging Date							
Well Diameter (inches)	3	2	2	2	2	2	2
Total Depth of Well (ft.)							
Measured Depth to Water (ft.)							
Water in Well (ft.)							
Gallons per foot	0.37	0.16	0.16	0.16	0.16	0.16	0.16
Gallons in Well							
PURGING DATA							
Purge/Sample Date							
Method (Bailer Material)							
Three Well Volumes (gallons)							
Start Purge Time							
pH (std. Units) 1 vol/2vol/3 vol							
Spec. Conduct. (uS) 1 vol/2 vol/3 vol							
Temperature (deg C) 1 vol/2 vol/3 vol							
Purge Volume (gallons)							
SAMPLING DATA							
Method (Bailer Material)							
Sampling Time							
pH (std. units)							
Specific Conductance (uS)							
Temperature (deg C)							
Sample appearance							
Total Depth of Well After Sampling (ft.)							
ELEVATION DATA							
Measuring Point Elevation (ft NGVD)	189.74	206.68				252.94	267.27
Groundwater Elevation (ft NGVD)							

WEATHER CONDITIONS:_____

Observations:

Sampler Signature:

FIELD PARAMETER FORM

Client/Agent: DESOTO PARISH POLICE JURY
Site: Mundy Landfill
Project: Semiannual Groundwater Monitoring

Date:_____

Monitoring Well/Sample ID #	MW-G2-1	MW-G2-12	MW-G2-13	MW-G2-110B	MW-G2-210A	MW-G2-309	MW-G2-17
Gradient	Down	Down	Down	Down	Down	Down	Down
Well locked?							
Evidence of tampering?							
Protective casing, pad, posts in good condition?							
Well casing in good condition?							
Well cap in place?							
WATER LEVEL DATA							
Gauging Date							
Well Diameter (inches)	3	2	2	2	2	2	2
Total Depth of Well (ft.)							
Measured Depth to Water (ft.)							
Water in Well (ft.)							
Gallons per foot	0.37	0.16	0.16	0.16	0.16	0.16	0.16
Gallons in Well							
PURGING DATA							
Purge/Sample Date							
Method (Bailer Material)							
Three Well Volumes (gallons)							
Start Purge Time							
pH (std. Units) 1 vol/2vol/3 vol							
Spec. Conduct. (uS) 1 vol/2 vol/3 vol							
Temperature (deg C) 1 vol/2 vol/3 vol							
Purge Volume (gallons)							
SAMPLING DATA							
Method (Bailer Material)							
Sampling Time							
pH (std. units)							
Specific Conductance (uS)							
Temperature (deg C)							
Sample appearance							
Total Depth of Well After Sampling (ft.)							
ELEVATION DATA							
Measuring Point Elevation (ft MSL)	192.60	232.20	189.23	203.02	186.87	168.10	
Groundwater Elevation (ft MSL)							

WEATHER CONDITIONS:_____ Observations:

Sampler Signature:

IPL® LABORATORIES

Client/Project		Sample ID	
Matrix	Sampled By	Date	Time
Analysis/Remarks			

LABEL EXAMPLE

SOUTH ANALYTICAL LABS, INC.
MONITOR WELL CHAIN OF CUSTODY

COC # _____ MAL Job # _____
Date Sealed _____ By _____

Phone _____

SAMPLE INDENTIFICATION

Sample Point _____ – _____ Purge _____ Date _____ Time _____

Start _____ Date _____ Time _____ Vol. in Casing _____ Gallons Purged _____

SHUTTLE CONTENTS

ANALYSIS	Sample Filtered	SAMPLE CONTAINER No.	Type	Size	Preservative

FIELD MEASUREMENTS

Specific Conductance	pH	Temperature
_____ µm/cm at 25°C	_____ STD	_____ °C
_____ µm/cm at 25°C	_____ STD	
_____ µm/cm at 25°C	_____ STD	
_____ µm/cm at 25°C	_____ STD	

Well Depth (ft) _____ Sample Depth (ft) (non well) _____

Depth to Groundwater (ft) _____ Volume Purge _____

Well Elevation (ft/msl) _____ Groundwater Elev. (ft/msl) _____

Sample Appearance: _____

Weather Conditions: _____

Other: _____ – _____ = _____ x _____ = _____ x _____ = _____ ÷ _____ = _____

CHAIN OF CUSTODY CHRONICLE

1. Shuttle Opened by: _____ Date: _____ Time: _____
   Signature: _____ Seal Intact – _____ Yes _____ No

2. I have received these materials in good condition. Date: _____ Time: _____
   Signature: _____ Remarks: _____

3. Shuttle Sealed by: _____ Date: _____ Time: _____
   Signature: _____ Seal Intact – _____ Yes _____ No

SOUTH ANALYTICAL LAB USE ONLY

I have received these materials in good condition

Shuttle Opened by: _____ Date: _____ Time: _____

Seal Intact – _____ Yes _____ No

DELETE

MID-SOUTH ANALYTICAL LABS, INC.
WATER WELL CHAIN OF CUSTODY

Inc # _____ Acct Job # 29746C
Date Sealed 4-29-96 By [illegible]

TO PARISH POLICE JURY
SANDY LANDFILL
MANSFIELD LA 71052

22
JERRY THORNTON
1-318-872-2500

SAMPLE INDENTIFICATION

Sample Point MW-4A Purge 04/29/96 1:05 pm

Start 04/29/96 11:10 Date 7.32 Time 217

Date Time Vol. in casing Gallons Purged

SHUTTLE CONTENTS

ANALYSIS	Sample Filtered	SAMPLE CONTAINER No.	Type	Size	Preservative
COD TOC	NO	1	G	500ml	H_2SO_4
TDS pH TEMP	NO	1	P	1000ml	NONE

FIELD MEASURMENTS

Specific Conductance	pH	Temperature
920 µm/cm at 25°C	7.92 STD	19.1 °C
917 µm/cm at 25°C	7.73 STD	
909 µm/cm at 25°C	7.68 STD	
909 µm/cm at 25°C	7.65 STD	

Well Depth (ft) 64.70 Sample Depth (ft) (non well) 50.0

Depth to Groundwater (ft) 44.90 Volume Purge 30.0

Well Elevation (ft/msl) 280.96 Groundwater Elev. (ft/msl) 234.04

Sample Appearance: clear - odorless

Weather Conditions: cloudy - cool

Other: 64.7 - 44.9 = 19.8 × .37 = 7.32 × 3 = 21.9 ÷ 48 = 45.7 hrs

CHAIN OF CUSTODY CHRONICLE

1. Shuttle Opened by: JKLOTT Date: 4-29-96 Time: _____
Signature: [signature] Seal Intact - ✓ Yes ____ No

2. I have received these materials in good condition. Date: _____ Time: _____
Signature: _____ Remarks: _____

Shuttle Sealed by: JKLOTT Date: 4-29-96 Time: _____
Signature: [signature] Seal Intact - ✓ Yes ____ No

MID-SOUTH ANALYTICAL LAB USE ONLY
I have received these materials in good condition
Shuttle Opened by: _____ Date: _____ Time: _____
Seal Intact - ____ Yes ____ No

DELETE

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 246118

page____of____

Client Name:

Address:

Phone/Fax:

Client Contact: Email:

Project Name/No.:

Site Name:

Site Location:

Invoice To: Ph:

matrix: W=water S=soil O=oil SL=sludge X=other

bottle: P=plastic A=amber glass G=glass V=vial X=other

size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other

pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers									

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N

Ice? ☐ Y ☐ N

Temp:

Requested TAT

Contract ☐ 72hr ☐

24hr ☐ Standard ☐

48hr ☐

Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐

Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler:	date	time	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

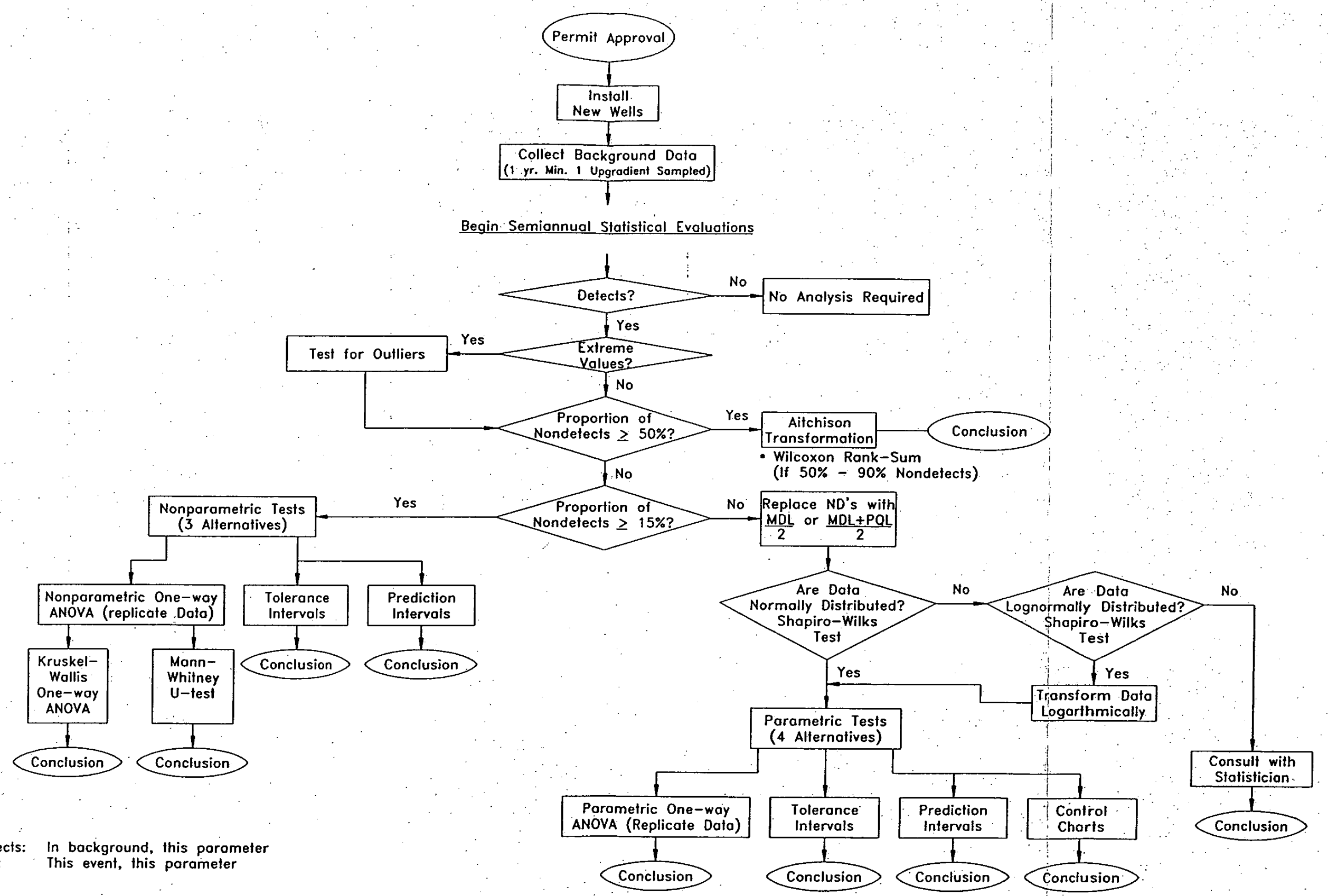
☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

Appendix SAP-E

Decision Tree for Statistical Analysis



Nondetects: In background, this parameter
Detects: This event, this parameter

STATISTICAL ANALYSIS DECISION TREE

(Adapted from "Groundwater Regulatory Interpretation Document")

FIGURE SAP-E
02-1051i

Attachment A-8

Appendix I – Financial Assurance

- Appendix I Index
- I-1 Solid Waste Facility Certificate of Liability Insurance Letter
- I-2 Certificate of Liability Insurance for Commercial General Liability
- I-3 Financial Assurance for Landfill Closure and Post-Closure
  - a) Letter from DeSoto Parish Police Jury Regarding Irrevocable Standby Letter of Credit No. 622 dated February 28, 2008
  - b) Irrevocable Standby Letter of Credit No. 622 issued by Peoples State Bank to the DeSoto Parish Police Jury dated February 21, 2008
  - b) Standby Trust Agreement dated February 21, 2008
  - c) Closure Cost Estimate
  - d) Post-Closure Cost Estimate

Appendix I

Index

APPENDIX I

FINANCIAL ASSURANCE

INDEX

1) Solid Waste Facility Certificate of Liability Insurance Letter ~~dated August 25, 2004~~
2) Certificate of Liability Insurance including for Commercial General Liability, ~~Automobile Liability, Contractor and Equipment, and Public Officials Bond~~
3) Financial ~~Test~~ Assurance for Landfill Closure and Post-Closure
   a) ~~Financial Test Letter, dated August 25, 2004 from the Treasurer of the DeSoto Parish Police Jury~~ Letter from the DeSoto Parish Police Jury Regarding Irrevocable Standby Letter of Credit No. 622 dated February 28, 2008
   b) ~~DeSoto Parish Police Jury Primary Government Financial Statements with Independent Auditor's Report as of the Year Ended December 31, 2002 with Supplemental Information Schedules~~ Irrevocable Standby Letter of Credit No. 622 issued by Peoples State Bank to the DeSoto Parish Police Jury dated February 21, 2008
   c) ~~Official Statement regarding Bond Rating~~ Standby Trust Agreement dated February 21, 2008
   d) Closure Cost Estimate
   e) Post-Closure Cost Estimate

I-1

Solid Waste Facility Certificate of Liability Insurance Letter
~~dated August 25, 2004~~

BERNARD INSURANCE AGENCY, L.L.C.

SOLID WASTE FACILITY
CERTIFICATE OF LIABILITY INSURANCE

June 2, 2008

Secretary
Louisiana Department of Environmental Quality
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

Attention: Office of Environmental Services,
Waste Permits Division

RE: Mundy Landfill
AI#19803
Facility No. D-031-1827
Permit No. P-0035R1

Dear Sir:

1. Travelers St. Paul Insurance Co., the "insurer", of 2700 N.E. Loop 410, Suite 105, San Antonio, Texas 78217, hereby certifies that it has issued liability insurance covering bodily injury and property damage to **DeSoto Parish Police Jury**, the "insured," of P.O. Box 898, Mansfield, Louisiana, 71052 in connection with the insured's obligation to demonstrate financial responsibility under LAC 33:VII.1301. The coverage applies at Mundy Landfill, AI#19803, Facility D-031-1827, Permit P-0035R1, 2712 Hwy 84 East, Mansfield, DeSoto Parish, Louisiana for sudden and accidental occurrences. The limits of liability are $1 million per each occurrence and $1 million annual aggregate, per site, exclusive of legal-defense costs. The coverage is provided under policy number GP0914272, issued on May 1, 2008. The effective date of said policy is May 1, 2008 to January 1, 2009.

2. The insurer further certifies the following with respect to the insurance described in Paragraph 1:

(a). Bankruptcy or insolvency of the insured shall not relieve the insurer of its obligations under the policy.

(b). The insurer is liable for the payment of amounts within any deductible applicable to the policy, with a right of reimbursement by the insured for any such payment made by the insurer. This provision does not apply with respect to that amount of any deductible for which coverage is demonstrated, as specified in LAC 33:VII.1301.B.2, 3, or 4.

766 PROFESSIONAL DRIVE NORTH, SHREVEPORT, LA 71105
P. O. BOX 5010, SHREVEPORT, LA 71135
(318) 797-5651 • FAX (318) 797-5688 • (800) 256-9124
www.bernardins.com

BERNARD INSURANCE AGENCY, L.L.C.

c). Whenever requested by the administrative authority, the insurer agrees to furnish to him a signed duplicate original of the policy and all endorsements.

(d). Cancellation of the insurance, whether by the insurer or the insured, will be effective only upon written notice and upon lapse of 60 days after a copy of such written notice is received by the administrative authority.

(e). Any other termination of the insurance will be effective only upon written notice and upon lapse of 30 days after a copy of such written notice is received by the administrative authority.

3. I hereby certify that the wording of this certificate is identical to the wording specified in LAC 33:VII.1399.Appendix B as such regulations were constituted on the date first written above, and that the insurer is licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one or more states, and is admitted, authorized, or eligible to conduct insurance business in the state of Louisiana.

David Platt
Agent
766 Professional Drive North

Shreveport, LA 71105

766 PROFESSIONAL DRIVE NORTH, SHREVEPORT, LA 71105
P. O. BOX 5010, SHREVEPORT, LA 71135
(318) 797-5651 • FAX (318) 797-5688 • (800) 256-9124
www.bernardins.com

BERNARD INSURANCE AGENCY, L.L.C.

SOLID WASTE FACILITY
CERTIFICATE OF LIABILITY INSURANCE

June 2, 2008

Secretary
Louisiana Department of Environmental Quality
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

Attention: Office of Environmental Services,
Waste Permits Division

RE: Mundy Landfill
AI#19803
Facility No. D-031-1827
Permit No. P-0035R1

Dear Sir:

1. Travelers St. Paul Insurance Co., the "insurer", of 2700 N.E. Loop 410, Suite 105, San Antonio, Texas 78217, hereby certifies that it has issued liability insurance covering bodily injury and property damage to **DeSoto Parish Police Jury**, the "insured," of P.O. Box 898, Mansfield, Louisiana, 71052 in connection with the insured's obligation to demonstrate financial responsibility under LAC 33:VII.1301. The coverage applies at Mundy Landfill, AI#19803, Facility D-031-1827, Permit P-0035R1, 2712 Hwy 84 East, Mansfield, DeSoto Parish, Louisiana for sudden and accidental occurrences. The limits of liability are $1 million per each occurrence and $1 million annual aggregate, per site, exclusive of legal-defense costs. The coverage is provided under policy number GP09311967, issued on January 1, 2008. The effective date of said policy is January 1, 2008 to May 1, 2008.

2. The insurer further certifies the following with respect to the insurance described in Paragraph 1:

(a). Bankruptcy or insolvency of the insured shall not relieve the insurer of its obligations under the policy.

(b). The insurer is liable for the payment of amounts within any deductible applicable to the policy, with a right of reimbursement by the insured for any such payment made by the insurer. This provision does not apply with respect to that amount of any deductible for which coverage is demonstrated, as specified in LAC 33:VII.1301.B.2, 3, or 4.

(c). Whenever requested by the administrative authority, the insurer agrees to furnish to him a signed duplicate original of the policy and all endorsements.

766 PROFESSIONAL DRIVE NORTH, SHREVEPORT, LA 71105
P. O. BOX 5010, SHREVEPORT, LA 71135
(318) 797-5651 • FAX (318) 797-5688 • (800) 256-9124
www.bernardins.com

BIA

BERNARD INSURANCE AGENCY, L.L.C.

(d). Cancellation of the insurance, whether by the insurer or the insured, will be effective only upon written notice and upon lapse of 60 days after a copy of such written notice is received by the administrative authority.

(e). Any other termination of the insurance will be effective only upon written notice and upon lapse of 30 days after a copy of such written notice is received by the administrative authority.

3. I hereby certify that the wording of this certificate is identical to the wording specified in LAC 33:VII.1399.Appendix B as such regulations were constituted on the date first written above, and that the insurer is licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one or more states, and is admitted, authorized, or eligible to conduct insurance business in the state of Louisiana.

David Platt, Agent

766 Professional Drive North

Shreveport, LA 71105

766 PROFESSIONAL DRIVE NORTH, SHREVEPORT, LA 71105
P. O. BOX 5010, SHREVEPORT, LA 71135
(318) 797-5651 • FAX (318) 797-5688 • (800) 256-9124
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I-2

Certificate of Liability Insurance
~~Including~~ for Commercial General Liability~~,~~
~~Automobile Liability, Contractor Equipment,~~
~~And Public Officials Bond~~

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 6/2/2008

PRODUCER (318) 797-5651 FAX: (318) 797-5688
Bernard Insurance Agency
P. O. Box 5010

Shreveport LA 71135

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Travelers Property &	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

INSURED
Desoto Parish Police Jury
P. O. Box 898

Mansfield LA 71052

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC	GP09314272	5/1/2008	1/1/2009	EACH OCCURRENCE	$ 1,000,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
						MED EXP (Any one person)	$
						PERSONAL & ADV INJURY	$
						GENERAL AGGREGATE	$ 1,000,000
						PRODUCTS - COMP/OP AGG	$
		AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	$
						BODILY INJURY (Per person)	$
						BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT	$
						OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY OCCUR CLAIMS MADE DEDUCTIBLE RETENTION $				EACH OCCURRENCE	$
						AGGREGATE	$
							$
							$
							$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATUTORY LIMITS OTHER	
						E.L. EACH ACCIDENT	$
						E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
		OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS
PLEASE SEE ATTACHED LETTER DATED JUNE 2, 2008 REGARDING MUNDY LANDFILL AI#19803, FACILITY NO. D-031-1827, PERMIT NO. P003SR1

CERTIFICATE HOLDER

Secretary, Louisiana Department of
Environmental Quality
Attn: Waste Permits Division
P. O. Box 4313
Baton Rouge, LA 70821-4313

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
David Platt/SCS

© ACORD CORPORATION 1988

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 6/2/2008

PRODUCER (318)797-5651 FAX: (318)797-5688
Barnard Insurance Agency
P.O. Box 5010

Shreveport LA 71135

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Travelers Property &	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

INSURED
Desoto Parish Police Jury
P. O. Box 898

Mansfield LA 71052

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC	GP09311967	1/1/2008	5/1/2008	EACH OCCURRENCE	$ 1,000,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
						MED EXP (Any one person)	$
						PERSONAL & ADV INJURY	$
						GENERAL AGGREGATE	$ 1,000,000
						PRODUCTS - COMP/OP AGG	$
		AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	$
						BODILY INJURY (Per person)	$
						BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT	$
						OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY OCCUR CLAIMS MADE				EACH OCCURRENCE	$
						AGGREGATE	$
							$
		DEDUCTIBLE					$
		RETENTION $					$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATU-TORY LIMITS / OTH-ER	
						E.L. EACH ACCIDENT	$
						E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
		OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS
PLEASE SEE ATTACHED LETTER DATED JUNE 2, 2008 REGARDING MUNDY LANDFILL AI#19803, FACILITY NO. D-031-1827, PERMIT NO. P0035R1

CERTIFICATE HOLDER

Secretary, Louisiana Department of Environmental Quality
Attn: Waste Permits Division
P. O. Box 4313
Baton Rouge, LA 70821-4313

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
David Platt/DOT

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IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

I-3

Financial ~~Test~~ Assurance for Landfill Closure and Post-Closure

I-3a

~~**Financial Test Letter dated August 25, 2004**~~
~~**From the Treasurer of the DeSoto Parish Police Jury**~~
Letter from the DeSoto Parish Police Jury Regarding
Irrevocable Standby Letter of Credit No. 622 dated February 28, 2008

DeSoto Parish Police Jury

P.O. Box 898 Mansfield, Louisiana 71052
PHONE: (318) 872-0738 FAX: (318) 872-5343

OFFICERS

Bryant Yopp
President

Ernel Jones
Vice President

Shirley C. Wheless
Secretary

Linda Gatlin
Treasurer

MEMBERS

Jerry Moncrief
Longstreet, LA 71050
District 1A

Dewayne Mitchell
Logansport, LA 71049
District 1B

J.O. Burch
Mansfield, LA 71052
District 1C

Bryant Yopp
Stonewall, LA 71078
District 2

Greg Baker
Stonewall, LA 71078
District 3

Richard Fuller
Mansfield, LA 71052
District 4A

Jeff Heard
Mansfield, LA 71052
District 4B

Ernel Jones
Mansfield, LA 71052
District 4C

Sylvester Mayweather
Mansfield, LA 71052
District 4D

Reggie Roe
Frierson, LA 71027
District 5

Fred Jones
Pelican, LA 71063
District 6

February 27, 2008

Secretary
Louisiana Department of Environmental Quality
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

Attn: Office of Environmental Services
Waste Permits Division

RE: Irrevocable Standby Letter of Credit No. 622
Mundy Sanitary Landfill
AI#19803
Facility No. D-031-1827
Permit No. P-0035R1

Dear Sir:

The DeSoto Parish Police Jury has obtained Irrevocable Standby Letter of Credit No. 622 in favor of the Louisiana Department of Environmental Quality. This letter of credit is dated February 21, 2008 and issued by Peoples State Bank of Many, LA in the amount of $4,832,790.00.

This letter of credit establishes financial assurance for closure and post-closure care costs for the Mundy Landfill, located at 2712 Highway 84 East, Mansfield, LA. As referenced above, the agency interest number for this facility is 19803. The solid waste identification number is D-031-1827. The permit number is P-0035R1.

The DeSoto Parish Police Jury appreciates the courtesy and helpfulness that the Department has extended to us.

Sincerely,

Bryant Yopp

Bryant Yopp, President
DeSoto Parish Police Jury

BY/mdl

I-3b

~~**DeSoto Parish Police Jury**~~
~~**Primary Government Financial Statements**~~
~~**With Independent Auditor's Report**~~
~~**as of the Year Ended December 31, 2002**~~
~~**With Supplemental Information Schedules**~~
Irrevocable Standby Letter of Credit No. 622
Issued by Peoples State Bank to the DeSoto Parish Police Jury
dated February 21, 2008

SOLID WASTE FACILITY
IRREVOCABLE LETTER OF CREDIT
(For Closure and/or Post Closure Care)

February 21, 2008

Secretary
Louisiana Department of Environmental Quality
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

Attention: Office of Environmental Services,
Waste Permits Division

RE: Mundy Sanitary Landfill
AI#19803
Permit #D-031-1827 / P-0035R1

Dear Sir:

We hereby establish our Irrevocable Standby Letter of Credit No. 622 in favor of the Department of Environmental Quality of the state of Louisiana at the request and for the account of the DeSoto Parish Police Jury, P.O. Box 898, 101 Franklin Street, Mansfield, La. 71052, for the closure and/or post-closure fund for its Mundy Sanitary Landfill, AI#19803, Site Identification #D-031-1827, Facility Permit #P0035R1, at 2712 Hwy 84 East, Mansfield, Louisiana, for any sum or sums up to the aggregate amount of Four Million, Eight hundred thirty two thousand Seven hundred ninety and no/100 U.S. dollars ($4,832,790.00) upon presentation of:

1. A sight draft, bearing reference to the Letter of Credit No. 622 drawn by the administrative authority, together with;
2. A statement, signed by the administrative authority, declaring that the amount of the draft is payable into the standby trust fund pursuant to the Louisiana Environmental Quality Act, R.S. 30:2001 et seq.

The Letter of Credit is effective as of February 21, 2008 and will expire on February 21 2009, but such expiration date will be automatically extended for a period of at least one year on the above expiration date [February 21, 2009] and on each successive expiration date thereafter, unless, at least 120 days before the then-current expiration date, we notify both the

administrative authority and DeSoto Parish Police Jury by certified mail that we have decided not to extend this Letter of Credit beyond the then-current expiration date. In the event that we give such notification, any unused portion of this Letter of Credit shall be available upon presentation of your sight draft for 120 days after the date of receipt by both the Department of Environmental Quality and DeSoto Parish Police Jury as shown on the signed return receipts.

Whenever this Letter of Credit is drawn under and in compliance with the terms of this credit, we shall duly honor such draft upon presentation to us, and we shall deposit the amount of the draft directly into the standby trust fund of DeSoto Parish Police Jury in accordance with the administrative authority's instructions.

Except to the extent otherwise expressly agreed to, "the Uniform Commercial Code", shall apply to this Letter of Credit.

We certify that the wording of this Letter of Credit is identical to the wording specified in LAC 33:VII.1399.Appendix G, effective on the date shown immediately below.

Peoples State Bank

By: _____
John J. Blake III
President & CEO

By: _____
Dale A. Hopper
Executive Vice-President

February 21, 2008
Effective Date

I-3c

~~Official Statement Regarding Bond Rating~~
Standby Trust Agreement dated February 21, 2008

SOLID WASTE FACILITY
STANDBY TRUST AGREEMENT
DESOTO PARISH POLICE JURY/MUNDY SANITARY LANDFILL
AGENCY INTEREST #19803
PERMIT #D-031-1827/P0035R1

This Standby Trust Agreement (the "Agreement") entered into as of 2/21, 2008 by and between the **POLICE JURY OF THE PARISH OF DESOTO, STATE OF LOUISIANA** (the "Grantor"), the governing authority of the Parish of DeSoto, State of Louisiana, a political subdivision of the State of Louisiana (the "State"), and **PEOPLES STATE BANK**, a state banking institution located in Many, Louisiana, (the "Trustee").

WHEREAS, the Department of Environmental Quality of the State of Louisiana, an agency of the State, has established certain regulations applicable to the Grantor, requiring that a permit holder or applicant for a permit of a solid waste processing or disposal facility shall provide assurance that funds will be available when needed for liability or closure and/or post-closure care of the facility; and

WHEREAS, the Grantor has had a letter of credit issued to provide such financial assurance for the facility identified herein; and

WHEREAS, the Grantor, acting through its duly authorized officers, has selected Peoples State Bank to serve as the trustee under this Agreement, and Peoples State Bank is willing to act as trustee;

NOW, THEREFORE, the Grantor and the Trustee agree as follows:

ARTICLE I
DEFINITIONS

As used in this Agreement:

(a) The term *Grantor* means the permit holder or applicant who enters into this Agreement and any successors or assigns of the Grantor.

(b) The term *Trustee* means the Trustee who enters into this Agreement and any successor trustee.

(c) The term *Secretary* means the Secretary of the Louisiana Department of Environmental Quality.

(d) The term *Administrative Authority* means the Secretary or a person designated by him to act therefor.

SECTION II
IDENTIFICATION OF FACILITIES AND COST ESTIMATES

This Agreement pertains to the facilities and cost estimates identified on attached **Schedule A**.

SECTION III
ESTABLISHMENT OF FUND

The Grantor and the Trustee hereby establish a trust fund, the "Fund," for the benefit of the Louisiana Department of Environmental Quality. The Grantor and the Trustee intend that no third party shall have access to the Fund, except as herein provided. The Fund is established initially as consisting of the property, which is acceptable to the Trustee, described in **Schedule B** attached hereto. Such property and any other property subsequently transferred to the Trustee is referred to as the Fund, together with all earnings and profits thereon, less any payments or distributions made by the Trustee pursuant to this Agreement. The Fund shall be held by the Trustee, in trust, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount or adequacy of, nor any duty to collect from the Grantor, any payments necessary to discharge any liabilities of the Grantor established by the Administrative Authority.

SECTION IV
PAYMENT FOR CLOSURE AND/OR POST-CLOSURE CARE OR LIABILITY COVERAGE.

The Trustee shall make payments from the Fund as the Administrative Authority shall direct, in writing, to provide for the payment of the costs of liability claims, closure and/or post-closure care of the facility covered by this Agreement. The Trustee shall reimburse the Grantor or other persons as specified by the Administrative Authority from the Fund for liability claims, closure and/or post-closure expenditures in such amounts as the Administrative Authority shall direct in writing. In addition, the Trustee shall refund to the Grantor such amounts as the Administrative Authority specifies in writing. Upon refund, such funds shall no longer constitute part of the Fund as defined herein.

SECTION V
PAYMENTS COMPRISED BY THE FUND

Payments made to the Trustee for the Fund shall consist of cash or securities acceptable to the Trustee.

SECTION VI
TRUSTEE MANAGEMENT

The Trustee shall invest and reinvest the principal and income of the Fund and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with general investment policies and guidelines, which the Grantor may communicate in writing

to the Trustee from time to time, subject, however, to the provisions of this Section. In investing, reinvesting, exchanging, selling, and managing the Fund, the Trustee shall discharge his duties with respect to the trust fund solely in the interest of the beneficiary and with the care, skill, prudence, and diligence under the circumstances then prevailing that persons of prudence, acting in a like capacity and familiar with such matters, would use in the conduct of an enterprise of like character and with like aims, except that:

(a) Securities or other obligations of the Grantor, or any owner of the facility or any of their affiliates, as defined in the Investment Company Act of 1940, as amended, 15 U.S.C. §80a-2.(a), shall not be acquired or held, unless they are securities or other obligations of the federal or a state government;

(b) The Trustee is authorized to invest the Fund in time or demand deposits of the Trustee, to the extent insured by an agency of the federal or state government; and

(c) The Trustee is authorized to hold cash awaiting investment or distribution, uninvested for a reasonable time and without liability for the payment of interest thereon.

SECTION VII
COMMINGLING AND INVESTMENT

The Trustee is expressly authorized, at its discretion:

(a) To transfer from time to time any or all of the assets of the Fund to any common, commingled, or collective trust fund created by the Trustee in which the Fund is eligible to participate, subject to all provisions thereof, to be commingled with the assets of other trusts participating therein; and

(b) To purchase shares in any investment company registered under the Investment Company Act of 1940, 15 U.S.C. §80a-l, *et seq.*, including one which may be created, managed, or underwritten, or one to which investment advice is rendered or the shares of which are sold by the Trustee. The Trustee may vote such shares at its discretion.

SECTION VIII
EXPRESS POWERS OF TRUSTEE

Without in any way limiting the powers and discretion conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:

(a) To sell, exchange, convey, transfer, or otherwise dispose of any property held by it, by public or private sale. No person dealing with the Trustee shall be bound to see to the application of the purchase money or to inquire into the validity or expediency of any such sale or other disposition;

(b) To make, execute, acknowledge, and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;

(c) To register any securities held in the Fund in its own name or in the name of a nominee and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with certificates of the same issue held by the Trustee in other fiduciary capacities, or to deposit or arrange for the deposit of such securities in a qualified central depository even though, when so deposited, such securities may be merged and held in bulk in the name of the nominee of such depository with other securities deposited therein by another person, or to deposit or arrange for the deposit of any securities issued by the United States Government, or any agency or instrumentality thereof, with a Federal Reserve Bank, but the books and records of the Trustee shall at all times show that all securities are part of the Fund;

(d) To deposit any cash in the Fund in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the federal or state government; and

(e) To compromise or otherwise adjust all claims in favor of, or against, the Fund.

SECTION IX
TAXES AND EXPENSES

All taxes of any kind that may be assessed or levied against or in respect of the Fund and all brokerage commissions incurred by the Fund shall be paid from the Fund. All other expenses incurred by the Trustee in connection with the administration of this Trust, including fees for legal services rendered to the Trustee, the compensation of the Trustee to the extent not paid directly by the Grantor, and other proper charges and disbursements of the Trustee, shall be paid from the Fund.

SECTION X
ANNUAL VALUATION

The Trustee shall annually, at least 30 days prior to the anniversary date of establishment of the Fund, furnish to the Grantor and to the Administrative Authority a statement confirming the value of the Trust. Any securities in the Fund shall be valued at market value as of no more than 60 days prior to the anniversary date of establishment of the Fund. The failure of the Grantor to object in writing to the Trustee, within 90 days after the statement has been furnished to the Grantor and the Administrative Authority, shall constitute a conclusively binding assent by the Grantor, barring the Grantor from asserting any claim or liability against the Trustee with respect to matters disclosed in the statement.

SECTION XI
ADVICE OF COUNSEL

The Trustee may from time to time consult with counsel, who may be counsel to the Grantor, with respect to any questions arising as to the construction of this Agreement or any action to be taken hereunder. The Trustee shall be fully protected, to the extent permitted by law, in acting upon the advice of counsel.

SECTION XII
TRUSTEE COMPENSATION

The Trustee shall be entitled to reasonable compensation for its services, as agreed upon in writing from time to time with the Grantor.

SECTION XIII
SUCCESSOR TRUSTEE

The Trustee may resign or the Grantor may replace the Trustee, but such resignation or replacement shall not be effective until the Grantor has appointed a successor trustee and this successor accepts the appointment. The successor trustee shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor trustee's acceptance of the appointment, the Trustee shall assign, transfer, and pay over to the successor trustee the funds and properties then constituting the Fund. If for any reason the Grantor cannot or does not act in the event of the resignation of the Trustee, the Trustee may apply to a court of competent jurisdiction for the appointment of a successor trustee or for instructions. The successor trustee shall, in writing, specify to the Grantor, the Administrative Authority, and the present Trustee, by certified mail 10 days before such change becomes effective, the date on which it assumes administration of the trust. Any expenses incurred by the Trustee as a result of any of the acts contemplated by this Section shall be paid as provided in Section IX.

SECTION XIV
INSTRUCTIONS TO THE TRUSTEE

All orders, requests, and instructions by the Grantor to the Trustee shall be in writing, signed by the persons designated in the attached **Exhibit A** or such other persons as the Grantor may designate by amendment to **Exhibit A**. The Trustee shall be fully protected in acting without inquiry in accordance with the Grantor's orders, requests, and instructions. All orders, requests, and instructions by the Administrative Authority to the Trustee shall be in writing and signed by the Administrative Authority. The Trustee shall act and shall be fully protected in acting in accordance with such orders, requests, and instructions. The Trustee shall have the right to assume, in the absence of written notice to the contrary, that no event constituting a change or termination of the authority of any person to act on behalf of the Grantor or Administrative Authority hereunder has occurred. The Trustee shall have no duty to act in the absence of such orders, requests, and instructions from the Grantor and/or Administrative Authority, except as provided for herein.

SECTION XV
NOTICE OF NONPAYMENT

The Trustee shall notify the Grantor and the Administrative Authority, by certified mail, within 10 days following the expiration of the 30-day period after the anniversary of the establishment of the Trust, if no payment is received from the Grantor during that period. After the pay-in period is completed, the Trustee shall not be required to send a notice of nonpayment.

SECTION XVI
AMENDMENT OF AGREEMENT

This Agreement may be amended by an instrument, in writing, executed by the Grantor, the Trustee, and the Administrative Authority, or by the Trustee and the Administrative Authority, if the Grantor ceases to exist.

SECTION XVII
IRREVOCABILITY AND TERMINATION

Subject to the right of the parties to amend this Agreement, as provided in Section XVI, this Trust shall be irrevocable and shall continue until terminated at the written agreement of the Grantor, the Trustee, and the Administrative Authority, or by the Trustee and the Administrative Authority, if the Grantor ceases to exist. Upon termination of the Trust, all remaining trust property, less final trust administration expenses, shall be delivered to the Grantor.

SECTION XVIII
IMMUNITY AND INDEMNIFICATION

The Trustee shall not incur personal liability of any nature in connection with any act or omission, made in good faith, in the administration of this Trust, or in carrying out any direction by the Grantor or the Administrative Authority issued in accordance with this Agreement. The Trustee shall be indemnified and saved harmless by the Grantor or from the Trust Fund, or both, from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct in its official capacity, including all reasonable expenses incurred in its defense in the event that the Grantor fails to provide such defense.

SECTION XIX
CHOICE OF LAW

This Agreement shall be administered, construed, and enforced according to the laws of the State of Louisiana.

SECTION XX
INTERPRETATION

As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each Section of this Agreement shall not affect the interpretation or the legal efficacy of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their respective officers duly authorized [and their corporate seals to be hereunto affixed] and attested to as of the date first above written. The parties below certify that the wording of this Agreement is identical to the wording specified in LAC 33:VII.1399.Appendix D, on the date first written above.

WITNESSES:

Melissa Daffitte

Kenni Woods

[SEAL]

GRANTOR:

Bryant Hopper

By:

Title:

TRUSTEE:

PEOPLES STATE BANK

By: DALE A. HOPPER

Title: EXE VICE PRESIDENT

[SEAL]

THUS DONE AND PASSED in my office in Greenwood, LA, on the 28th day of March, 2008, in the presence of Jana R. Freeman and Heather Delgado competent witnesses, who hereunto affix their names with the said appearers and me, Notary, after reading the whole.

Notary Public

MARK H. GARNER
CADDO PARISH, LOUISIANA
NOTARY ID # 26466
MY COMMISSION IS FOR LIFE

WITNESSES:

Jana R. Freeman

By: Jana R. Freeman

Heather Delgado

By: Heather Delgado

DESOTO PARISH POLICE JURY/MUNDY SANITARY LANDFILL
AGENCY INTEREST #19803
PERMIT #D-031-1827/P0035R1

ENGINEERING OPINION OF PROBABLE COSTS FOR FACILITY CLOSURE

Costs enumerated below are for closure of the landfill as discussed in §521.J. Final cap installation will only be necessary over Cells VI, VII and VIII, the other five putrescible waste disposal cells having already been closed in 1997. Only 1.6 acres of the non-putrescible waste disposal area is yet to be closed. Asbestos disposal area ASB-1 is closed and ASB-2 is closed as disposal is made. For closure cost estimate purposes, a price for one foot of clay over ASB-2 is considered a closure expense.

ITEM	UNIT OF MEASURE	QUANTITY	UNIT COST ($)	TOTAL COSTS ($K)
Pre-closure procedures	Lump Sum	1	31,080.00	31,080.00
Clay cap installation, to include material excavation, hauling, placement, compaction, grading, and testing.	Cubic Yard	168,130	10.00	1,681,300.00
Synthetic HDPE cap installation	Square Yard	70,784	4.50	318,530.00
Erosion control, to include topsoil hauling, placement, grading, and seedbed preparation	Cubic Yard	41,203	10.00	412,030.00
Soil amendments	Lbs.	62,320	0.50	31,160.00
Seeding	Lbs.	2,183	15.00	32,740.00
Planting	Lump Sum			46,710.00
Trenching for landfill gas system installation	Linear Feet	2,960	2.50	7,400.00
Gravel fill for gas pipe trench	Cubic Yard	181	10.00	1,810.00
Gas collection pipe installation	Linear Feet	2,951	10.00	29,510.00

Schedule A
Page 2 of 4

ITEM	UNIT OF MEASURE	QUANTITY	UNIT COST	TOTAL COSTS
Gas vent riser installation	Linear Feet	55	10.00	550.00
Gas vent riser caps	Each	55	25.25	1,390.00
Concrete pads for vent	Each	55	50.50	2,780.00
Lockable manhole covers	Each	11	500.00	5,500.00
Lockable cleanout covers	Each	1	100.00	100.00
Fencing, around asbestos areas	Linear Feet	1,000	10.00	10,000.00
Fencing, around treatment plant	Linear Feet	1,800	10.00	18,000.00
Lockable treatment plant discharge valve	Each	1	250.00	250.00
CDW	Cubic Yard	5,162	6.00	30,980.00
ASB-2	Cubic Yard	2,904	6.00	17,420.00
			TOTAL COST	**$2,679,240.00**

ENGINEERING OPINION OF PROBABLE COSTS FOR FACILITY POST-CLOSURE

ITEM	FREQUENCY	UNIT COST	ANNUAL COST
1) Inspections:			
a) General Site Inspection	Quarterly	430.00	1,720.00
b) Final Cover	Quarterly	430.00	1,720.00
c) Landfill Gas System	Quarterly	430.00	1,720.00
d) Leachate System	Per Storm Event	430.00	3,440.00
e) Groundwater Monitoring System	Semi-Annually	430.00	1,720.00
2) Maintenance:			
a) Mowing	Quarterly	1,690.00	6,760.00
b) Leachate Pipe Cleaning	Annually	7,000.00	7,000.00
c) Miscellaneous Repairs	Annually	6,000.00	6,000.00
3) Monitoring:			
a) Landfill Gas	Quarterly	1,500.00	6,000.00
b) Leachate	Annually	900	900.00
c) Treatment Plant Effluent	Per Storm Event	200.00	1,600.00
d) Groundwater	Semi-Annually	14,400.00	28,800.00
		Subtotal =	67,380.00
		Post-Closure Length =	30 years
		Subtotal (Annual Costs) =	**$2,021,400.00**

ITEM	UNIT OF MEASURE	QUANTITY	UNIT COST	TOTAL COSTS
4) Abandonment:				
a) Site:				
*Building removal	Lump Sum	1	10,000.00	10,000.00
*Pavement removal	Square Yard	1,500	3.00	4,500.00
*Scales removal	Lump Sum	1	5,000.00	5,000.00
*Fencing removal	Linear Feet	2,800	2.00	5,600.00
*Utilities removal	Lump Sum	1	10,000.00	10,000.00

Schedule A
Page 4 of 4

ITEM	UNIT OF MEASURE	QUANTITY	UNIT COST	TOTAL COSTS
b) Landfill Gas System:				
*Vent removal	Each	63	50.00	3,150.00
*Cap installation	Each	63	50.00	3,150.00
c) Leachate System:				
*Grout piping	Linear Feet	950	5.00	4,750.00
*Grout manholes	Each	12	250.00	3,000.00
*Oxidation pond valve and discharge pipe removal	Lump Sum	1	1,000.00	1,000.00
*Oxidation pond excavation	Cubic Yard	3,000	10.00	30,000.00
*Oxidation pond backfill	Cubic Yard	8,000	2.00	16,000.00
d) Groundwater Monitoring System:				
*Plug and abandonment of monitoring wells	Lump Sum	1	36,000.00	36,000.00

Subtotal (Abandonment)	=	**$132,150.00**
Subtotal (Annual Costs)	=	**$2,021,400.00**
TOTAL POST-CLOSURE	=	**$2,153,550.00**

SCHEDULE B

The Agreement is not presently funded, but shall be funded by the Letter of Credit No. 622, issued by Peoples State Bank on February 21, 2008, and used by the Grantor in accordance with the terms of that document.

Exhibit A

The following resolution was offered by Mr. Fred Jones and seconded by Mr. Heard.

RESOLUTION

A resolution amending and supplementing a resolution adopted by the Police Jury of the Parish of DeSoto, State of Louisiana, on January 14, 2008 entitled "A resolution authorizing the Parish of DeSoto, State of Louisiana, to provide a Standby Irrevocable Letter of Credit to the Louisiana Department of Environmental Quality to provide financial assurance for closing costs and post-closure costs of the Mundy Landfill and to incur debt to the extent that funds are drawn from said Letter of Credit, further authorizing the Parish to enter into a Trust Agreement in connection therewith, and providing for other matters pertaining to said Letter of Credit and Agreement".

WHEREAS, this Police Jury of the Parish of DeSoto, State of Louisiana (the "Governing Authority"), acting as the governing authority of the Parish of DeSoto, State of Louisiana (the "Parish"), on January 14, 2008 adopted the above entitled resolution (the "Letter of Credit Resolution"); and

WHEREAS, this Governing Authority has been advised that the potential Letter of Credit providers requires that the Parish's obligation to repay any draws under the Letter of Credit (as defined in the Resolution) be evidenced by a note or other evidence of indebtedness of the Parish;

NOW THEREFORE BE IT RESOLVED, by the Police Jury of the Parish of DeSoto, State of Louisiana, acting as the governing authority of the Parish, that:

SECTION 1. Section 1 of the Letter of Credit Resolution is hereby amended and supplemented to read as follows:

"Pursuant to applicable regulations of the DEQ and applicable constitutional and statutory authority, including La. R.S. 39:1430, as amended, the Parish is hereby authorized to provide a Standby Irrevocable Letter of Credit in the sum of not exceeding $4,832,790 (the "Letter of Credit"),to be effective for a one-year period, for the purpose of satisfying the DEQ's financial assurance requirements for the payment of closure costs and post-closure costs for the Parish's Mundy Landfill and to incur debt to the extent that funds are drawn from said Letter of Credit. The cost of obtaining the Letter of Credit from the provider thereof will not exceed one and one-fourth percent (1-¼%) of the principal amount thereof.

The Parish is further authorized to issue a note or other evidence of indebtedness pursuant to the authority hereinbefore cited in the nominal principal amount of the Letter of Credit (not exceeding $4,832,790) (with the actual indebtedness thereunder to be the amount, if any, which are drawn under the Letter of Credit) (the "Note") which Note will represent the Issuer's obligation to repay any funds drawn under the Letter of Credit. The Note will bear interest at a rate not to exceed six per centum (6%) per annum on the amounts, if any, which are drawn under the Letter of Credit and will mature no later than one year from the date thereof and will be payable from a pledge of the excess of annual revenues of the Parish above statutory, necessary and usual charges in each year in which the Note is outstanding."

SECTION 2. Section 2 of the Letter of Credit Resolution is hereby amended and supplemented to read as follows:

"The Parish is also authorized to enter into a trust agreement, reimbursement agreement or similar document (the "Agreement") with a bank which Agreement, if required by DEQ and/or the Letter of Credit provider, will control the use and expenditure of any funds drawn from the Letter of Credit."

SECTION 3. Section 3 of the Letter of Credit Resolution is hereby supplemented by adding the following sentence thereto:

"The Executive Officers are also authorized to execute the Note for and on behalf of the Issuer and any and all documents and agreements required in connection therewith."

SECTION 4. The Letter of Credit Resolution, as amended and supplemented by the provisions of this resolution, are hereby ratified and approved.

SECTION 5. Supplemental application is hereby made to the Louisiana State Bond Commission for the authority to provide to incur debt as provided in Section 1 hereof.

SECTION 6. By virtue of Issuer's application for acceptance and utilization of the benefits of the Louisiana State Bond Commission's approval resolved and set forth herein, it resolves that it understands and agrees that such approval is expressly conditioned upon, and it further resolves that it understands, agrees and binds itself, its successors and assigns to, full and continuing

compliance with the "State Bond Commission Policy on Approval of Proposed Use of Swaps, or other forms of Derivative Products Hedges, Etc.", adopted by the Commission on July 20, 2006, as to the borrowing and other matter subject to the approval, including subsequent application and approval under said Policy of the implementation or use of any swap or other product or enhancement covered thereby.

This resolution having been submitted to a vote, the vote thereon was as follows:

Member	Yea	Nay	Absent	Abstaining
Jerry Moncrief	X			
DeWayne Mitchell	X			
Jarrell O. Burch	X			
Bryant Yopp	X			
Sylvester Mayweather	X			
Reggie Roe	X			
Fred Jones	X			
Greg Baker	X			
Jeff Heard	X			
Ernel Jones	X			

And the resolution was declared adopted on this, the 11th day of February, 2008.

Shirley C. Wilson
Secretary

Bryant Yopp
President

STATE OF LOUISIANA

PARISH OF DESOTO

I, the undersigned Secretary of the Police Jury of the Parish of DeSoto, State of Louisiana (the "Police Jury"), do hereby certify that the foregoing three (3) pages constitute a true and correct copy of a resolution adopted by the Police Jury on January 14, 2008, authorizing the Parish of DeSoto, State of Louisiana, to provide a Standby Irrevocable Letter of Credit to the Louisiana Department of Environmental Quality to provide financial assurance for closing costs and post-closure costs of the Mundy Landfill and to incur debt to the extent that funds are drawn from said Letter of Credit, further authorizing the Parish to enter into a Trust Agreement in connection therewith, and providing for other matters pertaining to said Letter of Credit and Agreement.

IN FAITH WHEREOF, witness my official signature and the impress of the official seal of the Police Jury at Mansfield, Louisiana, on this the 14th day of January, 2008.

Shirley C. Wheeler
Secretary

(SEAL)

I-3d

Closure Cost Estimate

ENGINEERING OPINION OF PROBABLE COSTS FOR FACILITY CLOSURE

Costs enumerated below are for closure of the landfill as discussed in **§521.J.** Final cap installation will only be necessary over Cells VI, ~~and~~ VII and VIII, the other five putrescible waste disposal cells ~~and the non-putrescible waste disposal area~~ having already been closed in 1997. ~~and the asbestos disposal areas being capped as disposal is made.~~ Only 1.6 acres of the non-putrescible waste disposal area is yet to be closed. Asbestos disposal area ASB-1 is closed and ASB-2 is closed as disposal is made. For closure cost estimate purposes, a price for one foot of clay over ASB-2 is considered a closure expense.

ITEM	UNIT OF MEASURE	QUANTITY	UNIT COST ($)	TOTAL COSTS ($K)
Pre-closure procedures	Lump Sum	1	~~10,000.00~~ 31,080.00	~~10,000.00~~ 31,080.00
Clay cap installation, to include material excavation, hauling, placement, compaction, grading, and testing.	Cubic Yard	~~35,000~~ 168,130	10.00	~~350,000.00~~ 1,681,300.00
Synthetic HDPE cap installation	Square Yard	~~50,000~~ 70,784	4.50	~~225,000.00~~ 318,530.00
Erosion control, to include topsoil hauling, placement, grading, and seedbed preparation	Cubic Yard	~~8,100~~ 41,203	10.00	~~81,000.00~~ 412,030.00
Soil amendments	Lbs.	~~10,000~~ 62,320	0.50	~~5,000.00~~ 31,160.00
Seeding	Lbs.	~~350~~ 2,183	15.00	~~5,250.00~~ 32,740.00
Planting	Lump Sum			~~7,500.00~~ 46,710.00
Trenching for landfill gas system installation	Linear Feet	~~775~~ 2,960	2.50	~~2,000.00~~ 7,400.00
Gravel fill for gas pipe trench	Cubic Yard	~~30~~ 181	10.00	~~300.00~~ 1,810.00
Gas collection pipe installation	Linear Feet	~~775~~ 2,951	10.00	~~7,750.00~~ 29,510.00

ITEM	UNIT OF MEASURE	QUANTITY	UNIT COST	TOTAL COSTS
Gas vent riser installation	Linear Feet	~~20~~ 55	10.00	~~200.00~~ 550.00
Gas vent riser caps	Each	~~20~~ 55	25.25	~~500.00~~ 1,390.00
Concrete pads for vent	Each	~~20~~ 55	50.50	~~1,000.00~~ 2,780.00
Lockable manhole covers	Each	11	500.00	5,500.00
Lockable cleanout covers	Each	1	100.00	100.00
Fencing, around asbestos areas	Linear Feet	1,000	10.00	10,000.00
Fencing, around treatment plant	Linear Feet	1,800	10.00	18,000.00
Lockable treatment plant discharge valve	Each	1	250.00	250.00
CDW	Cubic Yard	5,162	6.00	30,980.00
ASB-2	Cubic Yard	2,904	6.00	17,420.00
			TOTAL COST	~~$729,350.00~~ **$2,679,240.00**

STE Soil Testing Engineers, Inc.
316 Highlandia Drive • P. O. Box 83710
Baton Rouge, Louisiana 70884
Telephone (225) 752-4790
FAX (225) 752-4878

Project: Mundy Mod I Client: DPPJ Job #: 05-1124C
By: KTM Checked by: Date: 4/6/06 Sheet 1 of 2

Determine: Valid Closing Costs for Landfill

Ref: • Closing Cost Information from original PRA submittal, from Addendum #2 & Approved PRA.
• Closure Plan

Data:

• C&D & Asbestos Cells require grading, clay installation & seeding. (Closure Plan p.4)
• C&D Cell 3.8 acres but 2.2 already closed ∴ 1.6 to be closed
• ASB-1 - Closed
• ASB-2 - 1.8 acres
• Asbestos Areas closed as disposal is made ∴ no closure cost associated w/ either cell.
• Cell I-V already Closed
• Cell VI - Closure Cost $724,250.00 $617,400.00
• Cell VII - Closure Cost $595,000

} Approved PRA

by ratio of Cell VI → 527,120 w/o gas
540,240 w/ gas

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Telephone (225) 752-4790
FAX (225) 752-4878

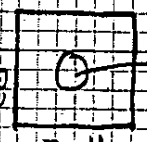
Project: Mod No 1 Client: DPPJ Job #: 05-1124C
By: KTM Checked by: Date: 4/6/06 Sheet 2 of 2

Calculation: Cell VIII Closure Costs

Conversion Factor for Cell VI to Cell VIII

$$\frac{\text{Cell VIII}}{\text{Cell VI}} = \frac{29 \text{ acres}}{7.5 \text{ acres}} = 4.085$$

① Pre closure 5,000 × 4.085 = $20,425 → 20,430
② Clay Cap 29 acres @ 2' = 93,580 cy @ $10/cy → $935,800
③ Syn Cap ≈ 6,700 sy @ $4.50/sy = $30,150
④ Erosion Control: 29 acres @ 0.5' = 23,394 cy @ $10/cy = 233,940
⑤ Soil amend: $5,000 × 4.085 = 20,425 → 20,430
⑥ Seeding $5,250 × 4.085 = 21,446 → 21,450
⑦ Planting $7,500 × 4.085 = 30,638 → 30,640
⑧ Trenching for gas: 1300 ft × 2.50 = 3,250
⑨ Gas pipe installation: 1300 ft × 10 = 13,000
⑩ Gravel for gas trench:



$$\frac{20'' \times 20'' - 16\pi}{144} = 2.43 \text{ sf}$$
× 1300'
3,159 cf
= 117 cy

117 cy @ $10/cy = 1,170

⑪ Gas vent install 13 @ 10 = 130
⑫ vent riser cap 13 @ 25 = 325 → 330
⑬ Concrete 13 @ 50 = 650

≈ $1,311,370

STE Soil Testing Engineers, Inc.
316 Highlandia Drive • P. O. Box 83710
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Telephone (225) 752-4790
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Project: Muddy VII / 1 Client: DPPJ Job #: 02-1051
By: CRB Checked by: Date: 05 July 02 Sheet CC-2 of

CELL VII / PH 1 Cell VII 1 Cell VII

TOTAL = 8.0 A (FACTOR 8.0/7.1) = 1.13
STD = 2.0 A (FACTOR 2.0/7.1) = 0.28
NON-HDPE = 6.0 A (FACTOR 6.0/7.1) = 0.85

PRECLOSURE 5000 × 1.13 = $5650
CLAY CAP 350000 × 1.13 = 395500
SYN CAP 225,000 × .28 = 63,280
EROSION CONTROL
A) 81,000 × 1.13 = 91530
B) 3 × 400 × 12 × .25 = 111 cy × 25 = 2780 × 2
SEEDING, PLANTING 18,000 × 1.13 20340
GAS COLLECTION 11,650 × 1.12 13160

Σ RAW = 690.6 ~ 690.4 $592,340
WITH $595,120

CDW (2' clay on 3.8 Acres) = 2.2A)
.2.2)
V = 2 × (3.8 × 43560/27 = 151,621 cy
Relatively cheap soil
use @ $6.00/cy
COST = $6 × 51,621 = $30,975.00

ABF 2
1' XTRA SOIL
(1.8 × 1.0 × 43560/27) = 2904 cy
@ $6.00/cy $17,424 + 10,000 for force
= 27,424

POND
15000 + 250 + 5500 + 100 = 23850

I-3e

Post-Closure Cost Estimate

ENGINEERING OPINION OF PROBABLE COSTS FOR FACILITY POST-CLOSURE

ITEM	FREQUENCY	UNIT COST	ANNUAL COST
1) Inspections:			
a) General Site Inspection	Quarterly	~~250.00~~	~~1,000.00~~
		430.00	1,720.00
b) Final Cover	Quarterly	~~250.00~~	~~1,000.00~~
		430.00	1,720.00
c) Landfill Gas System	Quarterly	~~250.00~~	~~1,000.00~~
		430.00	1,720.00
d) Leachate System	Per Storm Event	~~250.00~~	~~2,000.00~~
		430.00	3,440.00
e) Groundwater Monitoring System	Semi-Annually	~~250.00~~	~~500.00~~
		430.00	1,720.00
2) Maintenance:			
a) Mowing	Quarterly	~~1,000.00~~	~~4,000.00~~
		1,690.00	6,760.00
b) Leachate Pipe Cleaning	Annually	~~5,000.00~~	~~5,000.00~~
		7,000.00	7,000.00
c) Miscellaneous Repairs	Annually	~~5,000.00~~	~~5,000.00~~
		6,000.00	6,000.00
3) Monitoring:			
a) Landfill Gas	Quarterly	~~1,000.00~~	~~4,000.00~~
		1,500.00	6,000.00
b) Leachate	Annually	~~750.00~~	~~750.00~~
		900.00	900.00
c) Treatment Plant Effluent	Per Storm Event	200.00	1,600.00
d) Groundwater	Semi-Annually	~~10,200.00~~	~~20,400.00~~
		14,400.00	28,800.00
		Subtotal =	~~46,250.00~~
			67,380.00
		Post-Closure Length =	30 years
		Subtotal (Annual Costs) =	**~~$1,387,500.00~~**
			$2,021,400.00

ITEM	UNIT OF MEASURE	QUANTITY	UNIT COST	TOTAL COSTS
4) Abandonment:				
a) Site:				
*Building removal	Lump Sum	1	10,000.00	10,000.00
*Pavement removal	Square Yard	1,500	3.00	4,500.00
*Scales removal	Lump Sum	1	5,000.00	5,000.00
*Fencing removal	Linear Feet	2,800	2.00	5,600.00
*Utilities removal	Lump Sum	1	10,000.00	10,000.00
b) Landfill Gas System:				
*Vent removal	Each	~~50~~ 63	50.00	~~2,500.00~~ 3,150.00
*Cap installation	Each	~~50~~ 63	50.00	~~2,500.00~~ 3,150.00
c) Leachate System:				
*Grout piping	Linear Feet	~~600~~ 950	5.00	~~3,000.00~~ 4,750.00
*Grout manholes	Each	12	250.00	3,000.00
*Oxidation pond valve and discharge pipe removal	Lump Sum	1	1,000.00	1,000.00
*Oxidation pond excavation	Cubic Yard	3,000	10.00	30,000.00
*Oxidation pond backfill	Cubic Yard	8,000	2.00	16,000.00
d) Groundwater Monitoring System:				
*Plug and abandonment of monitoring wells	Lump Sum	1	36,000.00	36,000.00

Subtotal (Abandonment)	=	~~**$93,100.00**~~ **$132,150.00**
Subtotal (Annual Costs)	=	~~**$1,387,500.00**~~ **$2,021,400.00**
TOTAL POST-CLOSURE	=	~~**$1,480,600.00**~~ **$2,153,550.00**

BEST COPY

Attachment A-9

Appendix L - Closure Plan

CLOSURE PLAN

MUNDY LANDFILL
DESOTO PARISH, LOUISIANA

CLOSURE PLAN
MUNDY LANDFILL

TABLE OF CONTENTS

Section **Page**

1.0 INTRODUCTION 1

2.0 CLOSURE REQUIREMENTS 2
- 2.1 Notification Requirements 2
- 2.2 Maximum Waste Inventory 2
- 2.3 Estimated Closure Costs 2
- 2.4 Facility Record Keeping Requirements 2

3.0 CELL CLOSURE COVER DESIGN AND INSTALLATION 3
- 3.1 Pre-Closure Requirements 3
- 3.2 Cover System Design and Installation (General) 3
- 3.3 Cells I-V 3
- 3.4 Cell VI 3
- 3.5 CDW Cell 4
- 3.6 Cells ASB-1 and ASB-2 4
- 3.7 Cell VII and Cell VIII ~~Phase 1~~ 4
- 3.8 General Cover Construction 4
- 3.9 Gas System 5

4.0 ANCILLARY FEATURES 7
- 4.1 Wastewater Treatment Plant 7
- 4.2 Sedimentation Ponds 7
- 4.3 Other 7

5.0 DOCUMENTATION 8
- 5.1 Closure Certification 8
- 5.2 Documentation for Parish Mortgage and Conveyance Records 8
- 5.3 Contact Person 8

CLOSURE PLAN
MUNDY LANDFILL

TABLE OF CONTENTS - CONTINUED

LIST OF TABLES

Estimated Closure Costs CP-1
Estimated Closure Schedule CP-2

LIST OF FIGURES

General Location Map CP-1
Final Contour Plan[a] CP-2
Final Cover Details CP-3

[a] Includes locations of Cells and other facilities

LIST OF ATTACHMENTS

Document to be Filed in the Parish Records Upon Final Closure
of a Solid Waste Disposal Facility ..... CP-A

CLOSURE PLAN
MUNDY LANDFILL
DESOTO PARISH, LOUISIANA

1.0 INTRODUCTION

This Closure Plan has been developed for the Mundy Landfill located near the town of Mansfield in DeSoto Parish, Louisiana. This plan addresses the requirements of the Louisiana Solid Waste Rules and Regulations (LAC 33:VII.521.J) and Federal Regulations (40 CFR Part 258, Subpart F) for closure of a municipal landfill.

On April 30, 1985, the DeSoto Parish Police Jury received Permit No. P-0035 from the State of Louisiana, Department of Environmental Quality (LDEQ), to operate the Mundy Landfill. The facility is a Type II and Type III landfill receiving non-hazardous municipal and commercial solid waste; construction demolition debris/woodwaste; and, asbestos as specified in the facility permit and approved modifications.

The landfill site is located in Sections 3 and 4, Township 12 North, Range 12 West, in DeSoto Parish, Louisiana, as shown on the General Location Map presented in Figure CP-1. The site encompasses approximately 220 ~~62~~ acres, of which approximately ~~49~~ 69 acres are currently permitted for waste filling. The ~~currently permitted~~ entire landfill area ~~and the five additional acres proposed under Modification No. 31 (three acres are over closed cells) are~~ is shown on the Final Contour Plan presented in Figure CP-2. Waste filling of the cells is generally performed sequentially, with a cell filled or nearly-filled before filling begins in another cell.

This plan includes a description of the steps that have been or will be undertaken to close each filled landfill area, a general schedule for closure, a description of the final cover system and the methods used to install the cover. Information supplemental to this closure plan, such as full-scale landfill design drawings and a description of groundwater and methane monitoring system design, are included in the Permit Renewal Application. The user of this Plan should also refer to the Responses to §521.J in that Application.

2.0 CLOSURE REQUIREMENTS

2.1 Notification Requirements. The LDEQ will be notified in writing at least 90 days before final closure or intent to finally close, seal, or abandon any individual units within the landfill. The notification will include the date of planned closure, changes (if any) requested in the approved closure plan, closure schedule, and estimated closure cost.

2.2 Maximum Waste Inventory. The maximum waste disposal capacity for the landfill area was calculated and is tabulated below.

Unit	Maximum Waste (Tons)	Type Of Waste
Cells I-V	347000	II
Cell VI	185000	II
CDW	20000	III
ASB-1	3000	Asbestos
ASB-2	2000	Asbestos
Subtotal	557000	-
Cell VII, Phase 1	218000	I, II
Cell VIII	1,400,000	I, II
Total	2,155,000 ~~755000~~	-

The sources for these figures are given at the Response to 521.J.2.c. in the Permit Renewal Application.

The estimated total waste storage capacity of the Mundy Landfill is roughly 2.2 ~~0.76~~ million tons ~~including the 0.22 million tons in the vertical expansion sought under Modification No. 31~~. The Final Contour Plan for the completed landfill is shown on Figure CP-2.

2.3 Estimated Closure Costs. The estimated cost of closure of the facility, based on the cost of hiring a third party to close the facility at the point in the facility's operating life when the extent and manner of its operation would make closure the most expensive, is presented on Table CP-1. Cells I-V, ~~and~~ ASB-1, and ASB-2 were closed prior to the date of this submittal. The estimated cost may be revised at a later date due to new information on which to base all estimates. Revised estimates will be submitted in the form of a closure plan modification.

2.4 Facility Record Keeping Requirements. Copies of closure certifications for each unit closed before final facility closure and a copy of the approved closure plan and any subsequent LDEQ approved amendments and changes will be kept on file at the landfill site until the owner is released from the requirements for closure and post-closure care. Evidence of a financial assurance mechanism for closure and post-closure care costs is included in the Permit Renewal Application.

3.0 CELL CLOSURE COVER DESIGN AND INSTALLATION

The final closure cover is designed to assure that the landfill cells are closed in a manner that minimizes the need for further maintenance and controls, including the minimization of infiltration and erosion. The closure requirements discussed in this section pertain to areas of the landfill that have not been previously closed, or are still receiving waste. The procedures used for the units already closed are included for completeness.

3.1 Preclosure Requirements. A major site development objective is to manage the filling activities such that finished grades are achieved on a progressive basis. In this way, placement of at least portions of final cover takes place throughout the life of the site. The largest area of the landfill still requiring final cover at any time during the remaining active life is Cell VI, the CDW Cell, ~~ASB-2, and~~ Cell VII, Phase 1, and Cell VIII ~~(when permitted)~~, a total of about 50 ~~21~~ acres. A schedule, based on the closure of this area, for completing all activities necessary for closure is presented on Table CP-2.

Closure will be initiated no later then 30 days after and be completed no later than 90 days after final grades are achieved in the unit or after the date of known final receipt of solid waste in the cell, which ever comes first. This schedule may be extended by the LDEQ, if necessary, due to inclement weather or other circumstances up to a maximum of 60 days for initiation and 180 days for completion.

Prior to closure of any unit, standing water will be processed or removed. An insect and rodent inspection will be performed and documented and, if necessary, extermination measures will be provided. Installation of daily and/or interim cover plus final machine compacting and grading will be completed prior to initiating final cover placement. The run-off diversion system will be maintained until the final cover system is installed, and will be modified, if necessary, to prevent overflow of surface water runoff from the landfill.

3.2 Cover System Design and Installation. Final cover will be installed directly over the daily or interim cover that will serve as a grading layer to provide a stable base for subsequent layers. The type of cover system installed depends the cell which is undergoing closure, as discussed below. All final cover construction will be subject to QC/QA inspection and testing as mentioned in Section 3.8 of this Closure Plan.

3.3 Cells I-V. These cells were constructed prior to pre-Subtitle D regulations. For these cells, the closure cover installed consisted of a minimum of two feet of compacted clay meeting a permeability of 1×10^{-7} cm/sec or less, overlain by a minimum of six inches of soil capable of sustaining vegetative growth. The side slopes were no steeper than about 25 percent and no flatter than four percent.

3.4 Cell VI. This cell has a Subtitle D bottom composite liner system consisting of a minimum three-foot compacted clay liner overlain by a 60-mil high density polyethylene (HDPE) liner. The final slopes are no steeper than about 25 percent and no flatter than four percent. The cover system to be installed is described as follows (from bottom to top):

- a minimum of two feet of compacted clay cover with a permeability of 1×10^{-7} cm/sec or lower;
- a minimum 60-mil HDPE synthetic liner installed directly over the compacted clay cover; and,
- a minimum 18-inch thick vegetative soil layer installed directly over the geosynthetic liner. This layer has to be capable of sustaining vegetative seed and growth.

3.5 CDW Cells. The final cover will consist of at least 24 inches of clay or silty clay topped with six inches of topsoil as a vegetative layer. The areas will be graded to drain prior to installation of the final cover.

3.6 Cells ASB-1 and ASB-2. Cover for these units ~~is~~ was installed as the waste material is placed in accordance with the provisions of Modification Nos. 8 and 17. Final closure ~~will~~ consists of grading for drainage (by filling-no cutting allowed) and seeding.

3.7 Cell VII and Cell VIII. The final cover will be of two types

- Slopes of 1(V):4(H) or flatter ~~(the top of the vertical expansion area)~~: the final cover will be as described above for Cell VI, but with a six-inch thick vegetative layer.

- Slopes steeper than 1(V):4(H): the final cover will be as described above, except that the HDPE layer will be omitted.

Details of these cover systems are presented on Figure CP-3. The installation methods for the cover system are described in Section 3.8 of this Closure Plan.

3.8 General Cover Construction.

Clay Cover: Material used for compacted clay cover will be selected to meet the requirements within the Specifications of Section 02222, in Appendix K of the Permit Renewal Application ~~B of Modification No. 31~~. Installation of the clay cover will be performed by placing nominal eight-inch thick loose lifts of clay fill that are free of foreign material. The lift thickness will be adjusted, if necessary, to achieve the desired permeability. The moisture content of the clay shall generally be from one to four percentage points above the optimum moisture content for the material, as determined by the Standard Proctor Test Method (ASTM D-698), or as otherwise specified by the supervising engineer to achieve the required permeability. The lifts of clay fill will be compacted. Density testing of the in-place compacted lifts and permeability testing of undisturbed samples of the clay cover will be performed by the Construction Quality Assurance (CQA) Monitor in accordance with the testing frequencies specified in the cited Section 02222. Portions of the clay cover that do not exhibit the required permeability will be reworked and retested until compliance is achieved.

Synthetic Cover: The HDPE liner will be installed immediately over the clay cover. Panels of the synthetic cover will be deployed, welded, and leak tested in accordance with standard procedures for installation of synthetic liners. CQA activities will be performed during the synthetic cover

installation in accordance with the Section 07181 of Appendix K of the Permit Renewal Application ~~B of Modification No. 31~~.

Vegetative Soil Cover: A minimum six-inch thick vegetative soil cover will be installed over the barrier layers. The soil will be capable of supporting a native grass cover. The final grade of this soil layer will be a minimum of four percent and a maximum of 33 percent depending on the cell. Specific thickness requirements for each cell were mentioned above. The slopes shall conform to those given on Figure CP-2.

The cover system installation will be performed with verification by a CQA monitor supervised by a professional engineer registered in the state of Louisiana. The engineer's certification report will be submitted to the LDEQ within 90 days after closure is completed.

After LDEQ has inspected and approved the final cover of each closed landfill area, the approved area will be fertilized and planted with native grass seed or other shallow-rooted vegetation to promote good growth and easy care, and to minimize soil erosion. An appropriate seedbed is prepared by disking the topsoil to a depth which precludes any damage to the top of the final cover. Soil amendments (Fertilizer, lime, etc.) are applied based on analysis of the topsoil material being utilized and the ground cover to be planted. A perennial herbaceous cover is established by seeding with common Bermuda grass or other appropriate species, according to technical guidelines for erosion control published by the U.S.D.A. Soil Conservation Service, and as approved by the Department.

Following stabilization of the site and the establishment of appropriated ground cover, the LDEQ and the Louisiana Office of Forestry will be consulted concerning suggestions for the planting of species of vegetation appropriate for the soils, climate, and final intended use of the reclaimed site. The species selected will not have growth characteristics (i.e., taproots, etc.) which could compromise the final liner.

Erosion Protection - Cell VII, Phase 1 and Cell VIII: Special measures will be taken for ~~this~~ these units because of ~~its~~ relatively steep slopes. The final cover detailed contour plan shall include provisions for terracing and let-down chutes as illustrated on Sheets 12-18 and 27 of Appendix P in the Permit Renewal Application (for Cell VII) and on Drawing STE-S8 in Appendix S of the Permit Renewal Application (for Cell VIII) ~~of Permit Modification No. 31~~. The let-down chutes shall be armored with erosion protection (three inches of crushed limestone or an equivalent approved by the Landfill manager).

Closure will be considered complete after the final cover has been inspected and approved, and the vegetative cover has been placed. Final closure of the site will be achieved when all cells have been filled and closed.

3.9 Gas System. A gas removal system will be installed in general accordance with the conceptual design presented in the Permit Renewal Application. Closure of Cells VI, ~~and~~ VII, Phase 1, and VIII will begin with the installation of the landfill gas removal system of perforated piping. Cell VI is illustrated on Sheets 27 and 28 ~~of the design drawings~~ in Appendix O of the Permit

Renewal Application; ~~and described in §521.F.6 of that application.~~ Cell VII is illustrated on Sheet 27 in Appendix P of the Permit Renewal Application; and, ~~described in the response to §521.F.6.~~ Cell VIII is presented on drawing STE-S8 in Appendix S of the Permit Renewal Application. The gas system for these cells is described in the response to §521.F.6 of that application. Trenches will be cut through the daily/interim cover and into the top of the disposed wastes. These trenches will be filled with hand-placed and compacted crushed stone, which will envelope the gas system piping. Vents will be installed to protrude through the final cap on intervals of no more than 100 feet.

4.0 ANCILLARY FEATURES

4.1 Wastewater Treatment Plant. The treatment plant will be closed at the end of the post-closure period, which will allow the treatment of leachate generated by the closed disposal cells during the post-closure period. Closure of the plant will be performed in a manner conforming to the requirements of the state and federal water discharge permits issued to the landfill, and as described below. Closure will not require the installation of a final cap, since the ponds will be removed in their entirety. First, the plant water will be tested to verify that discharge standards are met. Then, the plant will be drained. Upon completion of drainage, the compacted clay oxidation pond liner will be de-silted and excavated and removed. Leachate transmission piping into the plant will be plugged or removed. All materials removed will be disposed in a properly licensed industrial waste facility. The program will include verification sampling and testing of the subgrade soils to ensure that no contamination exceeding LDEQ RECAP standards remains.

Additional fencing, with a locked gate, will be installed around the treatment plant, with posted signage to deter unauthorized entry and warn of potential dangers. The plant outfall will have a locked valve to preclude tampering or unauthorized drainage of the pond, and the fencing will extend around the outfall to further hinder unauthorized access. This fencing will remain in place until the treatment plant is dismantled and removed at the end of the post-closure period.

4.2 Sedimentation Ponds. The surface water ponds constructed for the containment and sedimentation of uncontaminated surface runoff will remain as permanent unfenced impoundments, for use as wildlife habitat and maintenance water source.

4.3 Other. Existing buildings, roads, and facilities will remain in use as long as they are needed through the closure and post-closure periods. As individual features are no longer required, they will be removed or otherwise abandoned. Existing fencing will remain in place until notification is submitted to and approved by the LDEQ that this fencing is to be removed. The gate at the site entrance will be kept locked, except during periods of inspection, maintenance, or other entry by authorized personnel during the post-closure period.

During the post-closure period, manholes and cleanouts on the leachate collection and transmission system will be modified to provide locking covers to prevent unauthorized access. After post-closure, leachate transmission piping will be plugged with a minimum of two feet of concrete and a welded cap of compatible material and then abandoned in place, or removed in its entirety and disposed of in an industrial waste landfill. The contaminated stormwater system from the Cells I - V to the treatment plant was abandoned in 1997 as part of the construction of the Waste Disposal Cell VI, including the plugging of the piping and the manholes with concrete. This piping will remain in place or be removed, depending on the disposition of the leachate transmission piping.

5.0 CLOSURE DOCUMENTATION

5.1 Closure Certification. The closure activities will be monitored by a professional engineer, registered in the State of Louisiana, and having the requisite expertise, in order to assure that closure has proceeded according to the approved closure plan. The professional engineer will supervise the CQA monitor(s) and will submit final written certification to the LDEQ that the final cover was completed in accordance with the approved closure plan. The certification will be submitted within 90 days after completion of the final cover over each landfill area. It will also contain all as-built and testing information concerning closure.

5.2 Documentation for Parish Records. Following placement of final cover over the entire landfill, the DeSoto Parish Police Jury will update the DeSoto Parish mortgage and conveyance records by entering the specific location of the facility and specifying that the property was used for the disposal of solid waste. The document will identify the name and address of a person with knowledge of the contents of the facility. A copy of the form to be used for this purpose is presented as Attachment A in this Closure Plan. A true copy of the completed form, certified by and filed with the Desoto Parish Clerk of Court, will be provided to the LDEQ.

5.3 Contact Person. The name, address, and telephone number of the person or office to contact about the facility after closure will be provided to the LDEQ upon notice of closure. At this time, post-closure use of the landfill facility remains uncertain. The final landfill cover will not be disturbed without prior approval from the administrative authority.

TABLES

TABLE CP-1
ESTIMATED CLOSURE COSTS

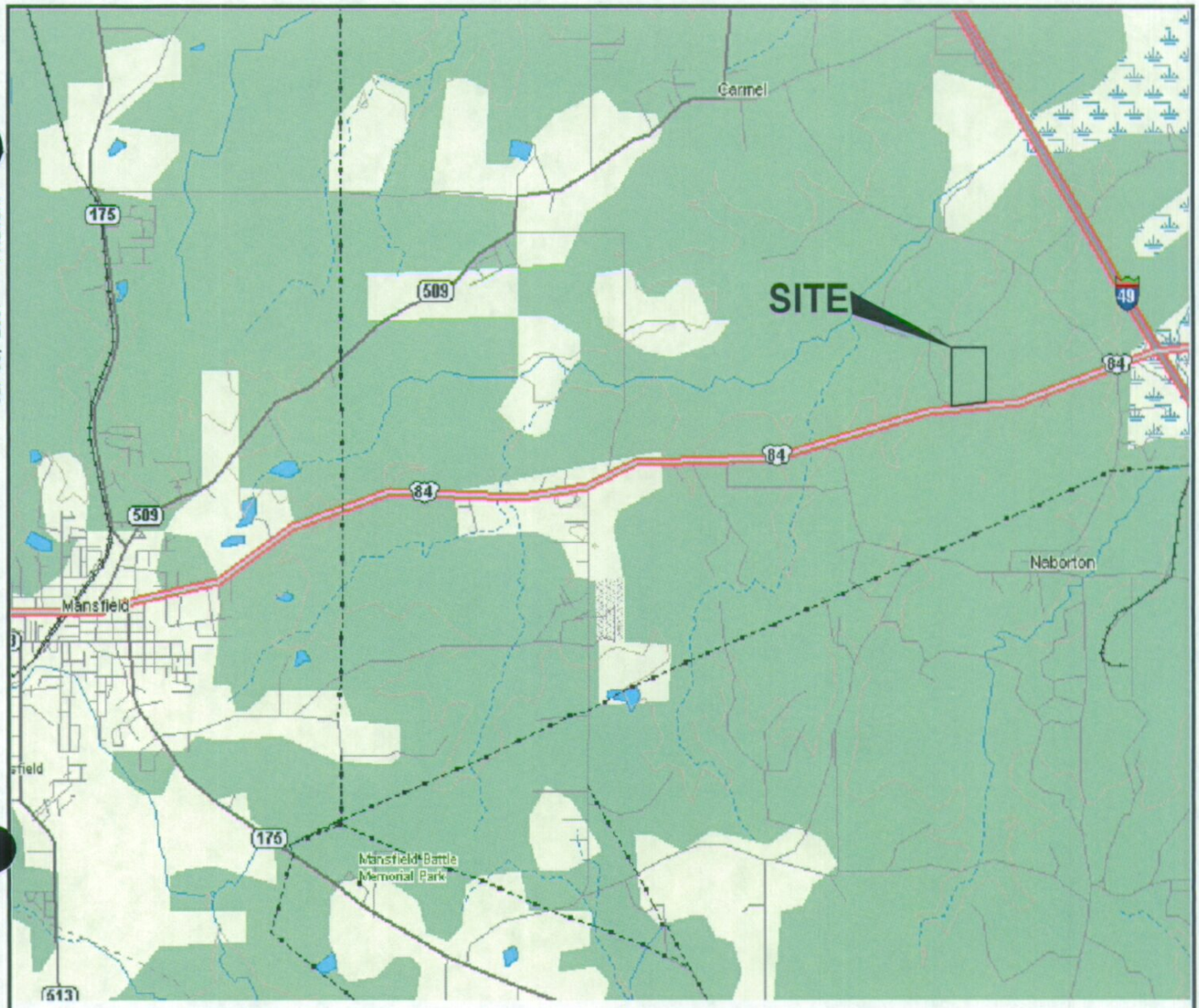
Unit	Area (Acres)	Cost (~~$K~~)	Status
Cells I-V	17.4	Complete	Closed
Cell VI	7.1	~~724~~ 690,500	Closed
CDW[a]	3.8	~~31~~ 30,980	Active
ASB-1	1.5	0	Closed
ASB-2	1.8	~~17~~ 27,420	Closed
Wastewater	--	~~24~~ 23,850	Active
Subtotal	31.6	~~762~~ 772,750	--
Cell VII, Phase 1[b]	8.0	595,120	Active
Cell VIII[b]	29	1,311,370	Proposed
Total	~~39.6~~ 68.6	~~1391~~ 2,679,240	--

[a] 2.2 Acres already closed: 1.6 acres to close
[b] By ratio from Cell VI data (attached).

TABLE CP-2
ESTIMATED CLOSURE SCHEDULE

Item	Estimated Closure Date
Cells I-IV	2000
Cell VI	~~2005~~ 2003
~~CDW~~ CD&T-S	~~2010~~ 2007
CD&T-N	2010
ASB-1	2000
ASB-2	~~2010~~ 2003
Cell VII, Ph 1	~~2010~~ 2007
Cell VIII	2039
Wastewater	~~2040~~ 2069

FIGURES



0 6000± (feet)

SCALE

MUNDY SANITARY LANDFILL

MANSFIELD, LOUISIANA

for

DESOTO PARISH POLICE JURY

MANSFIELD, LOUISIANA

JONES ENVIRONMENTAL, INC.

SHREVEPORT, LOUISIANA

STE

Soil Testing Engineers, Inc.

Baton Rouge, LA Lake Charles, LA Metairie, LA

Project Engineer:	Drawn by:	Checked by:
K. McNamara	DMS	
File No.:	Date:	Figure No.:
05-1157	6-07-06	CP-1

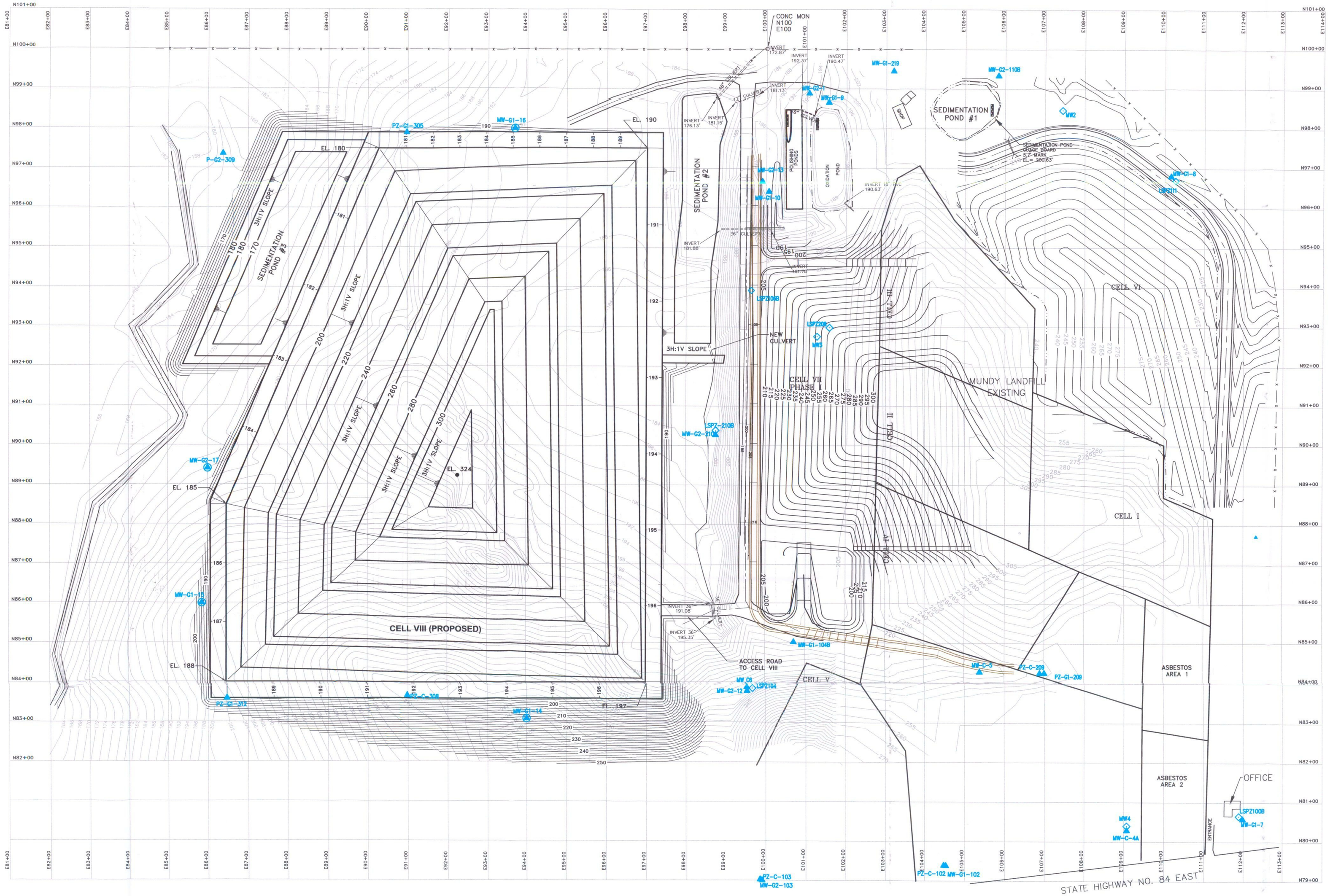
Title:

GENERAL LOCATION MAP

REFERENCE:
USGS Quadrangle Maps of Bayou Pierre Lake, LA, 1992 edition and Mansfield, LA, 1980 edition.

Jul 05, 2007 - 11:24am

P:\2005\05-1 add\051157-CP01 Location Plan.dwg



N

0 (feet) 200
SCALE: 1" = 120'

L E G E N D:

- EXISTING TOPOGRAPHIC CONTOUR LINES
- 300 — FINAL COVER TOPOGRAPHIC CONTOUR LINES
- EXISTING DITCH
- ▲ EXISTING WELLS/PIEZOMETERS
- ◇ PLUGGED & ABANDONED WELLS/PIEOMETERS
- PROPOSED WELLS

NOTES:

1. Final cover contours are conceptual. Actual locations of contours may vary due to facility operations and future construction. Side slopes will not exceed 3H:1V and the height will not exceed 324 feet, NGVD.

2. Final cover will be installed throughout the life of the facility. As one area is closed, final cover will be installed, in accordance with LAC.33.VII.711.E.

3. Erosion control measures such as silt fencing, hay bales, tire shreds, etc., may be employed as needed to assist in erosion control.

4. Survey of Cell VIII area by Rodney Ray & Associates, Inc., 2005.

STATE OF LOUISIANA
RICARDO C. DE ABREU
License No. 31267
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

REV.	DATE	DESCRIPTION	BY
1	11/06	Labeled Cell VIII & Sedimentation Pond #1 Added wells & piezometers	RDA

MUNDY SANITARY LANDFILL
DE SOTO PARISH, LOUISIANA

for

DE SOTO PARISH POLICE JURY
MANSFIELD, LOUISIANA

JONES ENVIRONMENTAL, INC.
SHREVEPORT, LOUISIANA

STE
Soil Testing Engineers, Inc.
Baton Rouge, LA Jefferson, LA Biloxi, MS

Project Engineer:	Drawn by:	Checked by:
R. de Abreu	DMS	
File No.: 05-1124	Date: 3-17-06	Drawing No.: CP-2

Title: **FINAL CONTOUR PLAN**

Jul 05, 2007 - 11:25am

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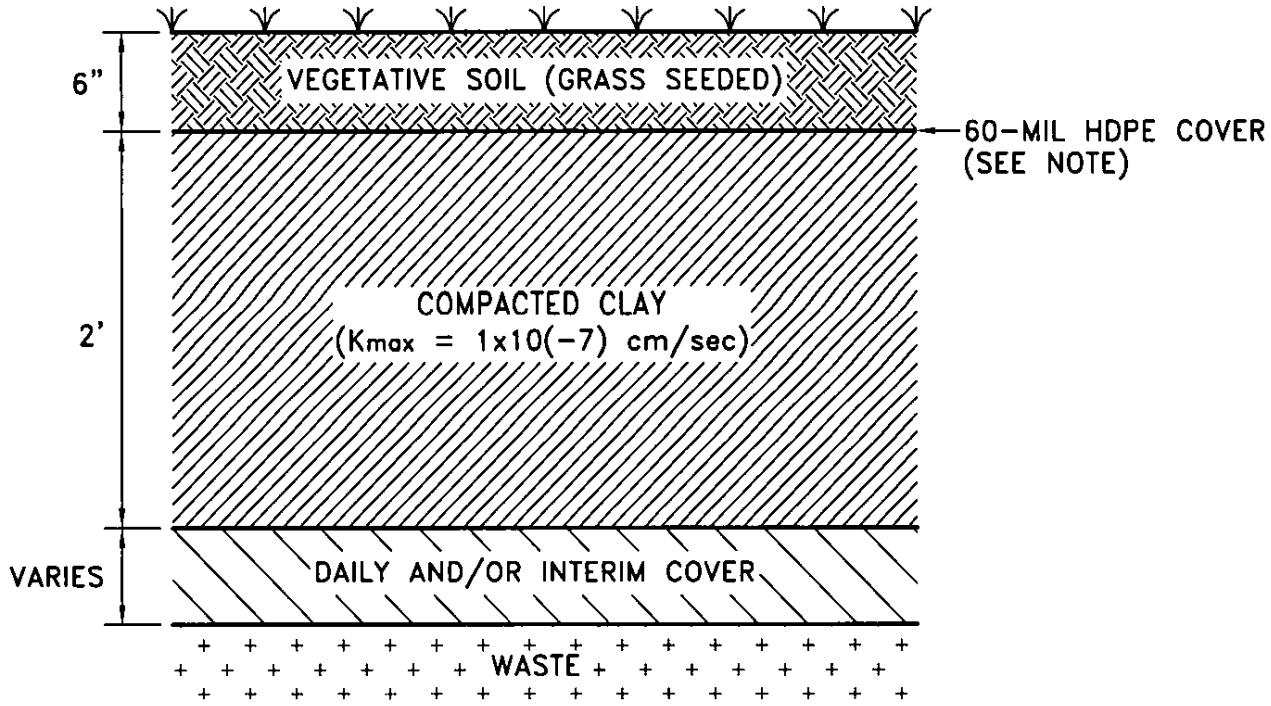

NOT TO SCALE

NOTE:
THE 60-MIL HDPE COVER WILL BE INSTALLED OVER THE SLOPES FLATTER THAN 1(V):4(H) THAT OVERLIE A CELL WITH A COMPOSITE LINER SYSTEM.

REV.	DATE	DESCRIPTION	BY
1	12/06	UPDATE	RDA

MUNDY SANITARY LANDFILL
MANSFIELD, LOUISIANA

for
DESOTO PARISH POLICE JURY
MANSFIELD, LOUISIANA

JONES ENVIRONMENTAL, INC.
SHREVEPORT, LOUISIANA

STE
Soil Testing Engineers, Inc.
Baton Rouge, LA Lake Charles, LA Metairie, LA

Project Engineer:	Drawn by:	Checked by:
K. McNamara	DMS	
File No.: 05-1157	Date: 6-07-06	Figure No.: CP-3

Title:
FINAL COVER DETAIL

Jul 05, 2007 - 11:24am
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ATTACHMENT

CLOSURE OF A SOLID WASTE DISPOSAL FACILITY

The DeSoto Parish police Jury hereby notifies the public that the following described property was used for the disposal of solid waste. This site was closed on (*date facility was closed*) in accordance with the Louisiana Administrative Code, Title 33, Part VII. Inquiries regarding the contents of Mundy Landfill may be directed to the DeSoto parish Administrator or the DeSoto Parish Superintendent of Solid Waste at the DeSoto parish Police Jury, P.O. Box 898, Mansfield, Louisiana, 71052, 318-872-0738.

Property Description:

Entrance Coordinates: Lat. 32 degrees, 3 minutes, 30 seconds
Long. 93 degrees, 35 minutes, 30 seconds

Section 3, Township 12N, Range 12W, DeSoto Parish, Louisiana

Beginning at the Northwest (NW) corner of Section 3, T12N, R12W; thence south 88°43'40" east for a distance of 1306.99 feet; thence south 0°37'08" west for a distance of 1982.85 feet; thence south 84°24'17" west along the northern right-of-way of U.S. Highway 84 for a distance of 1321.13 feet; thence north 0°47'31" east for a distance of 2140.77 feet to the point of beginning and containing 62.007 acres.

Section 4, Township 12N, Range 12W, DeSoto Parish, Louisiana

The Northeast Quarter of Section 4, T12N, R12W containing 160 acres.

_____
William C. Smith
DeSoto Parish Administrator

_____
Date

(A true copy of the document certified by the parish clerk of court must be sent to the LDEQ Office of Environmental Services, Permits Division, Post Office Box 4313, Baton Rouge, LA 70821-4313.)

ATTACHMENT B

ENVIRONMENTAL ASSESSMENT STATEMENT
CELL VIII

ENVIRONMENTAL ASSESSMENT STATEMENT

INTRODUCTION

An Environmental Assessment Statement (EAS) addressing the "5 IT Questions" promulgated by the Louisiana Supreme Court is required by regulation under LAC 33:VII.523. In addition, this requirement was amplified and codified into law as LRS 30:2018.B.

This EAS has been prepared to respond to the above requirements for Cell VIII of the Mundy Landfill.

Facility Background: The Mundy Landfill, Facility No. D-031-1827, has been in operation since 1986 under Standard Solid Waste Disposal Permit P-0035, issued by the Louisiana Department of Environmental Quality (LDEQ) on April 30, 1985. Permitted as a Type II (commercial and residential solid waste)/Type III (construction debris and trash) landfill, the facility was constructed in 1985 and received its first waste disposal in early 1986. The 2004 Permit Renewal Application included permit information for the facility to accept Type I (industrial) waste.

From a small parish landfill, the facility has grown to a point where it approaches status as a regional landfill for northwestern Louisiana. Sources of wastes currently being deposited at the Mundy Landfill include DeSoto Parish and Red River Parish, the City of Mansfield, various individual generators in the East Texas counties of Shelby, Center, and Panola, and Waste Management, Inc. Several other agencies have inquired about disposing of wastes at this facility. The DeSoto Parish Police Jury (DPPJ), owners of the site and the permit, have an unlimited service area from which to solicit haulers and depositors of wastes.

Purpose: The DPPJ had three reasons for implementing plans for a solid waste disposal facility. First and foremost was the safe and efficient disposal of waste materials generated by parish residents. Prior to 1984, there were numerous open dumps in DeSoto Parish, and many more areas where solid waste was simply dumped by the side of the road. This resulted in unsightly and unsanitary conditions which threatened the environment and the health, safety, and quality of life of residents. The permitting and construction of a sanitary landfill, the organization of the DPPJ's Solid Waste Committee (SWC), and the enactment of an ordinance preventing littering all had the purpose of meeting these needs and eliminating these problems.

Federal and state environmental agencies were at that time laying the foundations for regulations requiring proper solid waste disposal. The DPPJ realized that the open dumps would have to be closed in the near future and governmental bodies like itself would be held responsible for the containment, regulation, and monitoring of solid waste disposal in areas under their jurisdiction. Construction of a landfill would not only provide for the needs of DeSoto Parish, but the lack of such facilities in the region raised the possibility of a revenue-generating business for the parish. Red River Parish and the City of Natchitoches were original partners with the DPPJ in the venture, and Red River Parish continues to deposit its solid waste at the Mundy Landfill.

The SWC and the landfill filled two additional crucial needs for DeSoto Parish. A rural area with high unemployment and a population of low- to middle-income residents, the parish needed employment opportunities for its citizens. Many people work for the landfill who otherwise would probably be unemployed. The operation of a landfill also generates revenues that pay for parish solid waste disposal that would otherwise have to be funded by tax increases.

The Cell VIII expansion of the Mundy Landfill will allow the facility to remain open and continue to provide these necessities for the residents of the parish and surrounding communities.

Site Selection: A geotechnical investigation was performed which determined that the clay soils in the Cell VIII area are consistent with those throughout the original site. These soils are suitable for compacted clay liners which conform to SWRR criteria. The Department of Fisheries and Wildlife concluded that no adverse environmental impact would result from the expansion of the landfill. The U.S. Army Corps of Engineers concurred with Mr. Tom Bourland, RF, ACF, CWB who researched the property and determined that there was no need for action on its part. The Department of Culture, Recreation, and Tourism issued a letter requesting a Phase I cultural resources survey of the expansion site. This survey was conducted in January 2006 by Dr. Jon Gibson of Carved Trowel Archaeology, Ltd. Dr. Gibson states in his report, there is no intrinsic evidence that the site would be eligible for listing on the National Register of Historic Places. A copy of Dr. Gibson's report has been provided to The Department of Culture, Recreation, and Tourism for their review and is presented in this application as Appendix S-1d in Attachment C-1.

Expansion of the site includes or will continue to use features that minimize potential environmental and health risks (see below). Cell liners, leachate systems, and groundwater monitoring wells protect the groundwater. Surface runoff/runon measures, a wastewater treatment plant, and sedimentation ponds protect surrounding surface waters. Disposal cell closure caps and landfill gas monitoring procedures and equipment protect air quality.

Development: The facility currently has:

- five putrescible waste disposal cells (Cells I-V) constructed under the pre-Subtitle D regulations, all of which were closed at the end of 1997;
- three putrescible waste disposal cells (Cell VI, Cell VII, and Cell VIII) which are designed to meet the Subtitle D regulations (updated regulations from the U. S. Environmental Protection Agency) and updated Solid Waste Rules and Regulations SWRR). Cell VII, Phase 1 is currently active;
- two construction debris and trash waste disposal areas; and,
- two asbestos disposal areas.

Supporting features include a perimeter fence with a gate at the entrance on U.S. Highway 84, an office building and scales at the gate, interior access road, wastewater treatment plant, three sedimentation ponds, storage shed, mechanics shop, and a groundwater monitoring well system.

With the closure of Cell VII, approximately 732,000 wet-weight tons of putrescible waste is

expected to have been disposed within the landfill. An estimation of the design capacity of the Mundy Landfill, assuming values for quantities of wastes to be disposed up to the times of individual cell closures, is provided in Appendix J of the Permit Renewal Application. Cell VIII is approximately 29 acres in size. It is to be constructed north of US Highway 84 and west of closed Cell VII. This cell is designed with a composite liner. The construction consists of several stages, each stage being built as needed, approximately every five years until completion of the cell is achieved. Cell VIII will provide approximately an additional 1,400,000 tons of capacity. This cell will extend the service life of the landfill by 30 years and increase its capacity by almost 200%.

Conclusion: No one wants to live near a landfill, even a well-managed one. No matter how well the facility is operated, there are times when odors, litter, traffic, vectors, noise, and dust are problems for local residents. These and other nuisances have given landfills a bad reputation, which may result in the lowering of property values in the areas surrounding solid waste disposal facilities and the lack of development in such areas. The Mundy Landfill is sited in a remote, undeveloped area of DeSoto Parish. There is no current zoning or master plan for the area, and no development anticipated in the foreseeable future. There are few real adverse effects that have resulted from the operation of the Mundy Landfill, those being the occasional unavoidable problems which are inherent to solid waste disposal, and which are more nuisances than real problems. Significant adverse effects, such as air, water, and groundwater pollution, have been prevented by the planning, siting, design, construction, improvement, and operation of the facility. The landfill was built to improve the previous solid waste management system in DeSoto Parish, which had consisted of open dumps and littering. During its history, the Mundy Landfill has fulfilled this purpose.

The Mundy Landfill was, and continues to be, designed and operated to meet the latest standards and technology available. The DPPJ has modified the permit continually to upgrade the landfill as necessary to comply with updates in the SWRR, improve its features and operations, and best serve its purpose of providing for the safe and economical disposal of commercial and residential wastes, construction debris and trash, industrial solid wastes, and asbestos for the residents and businesses of DeSoto Parish and surrounding areas. The expansion of this facility will continue this history.

The following sections demonstrate that the Mundy Landfill meets the high environmental standards not only of the LDEQ, but also those of the Louisiana Legislature and Supreme Court.

Discuss how the potential and real adverse environmental effects of the facility have been avoided to the maximum extent possible.

In general, there are many potentially harmful environmental effects from improper solid waste disposal. Waste disposal techniques and procedures developed for Cell VIII, prevent environmental damage from regulated disposal of solid wastes, as well as the much more serious effects that would occur if such facilities were not used. The design, construction, and operation of Cell VIII prevents such consequences in the following ways.

GROUNDWATER EFFECTS. Possibly the worst of the potential harmful effects of solid waste

disposal is groundwater pollution, because of the difficulties in detecting and correcting this type of contamination, and the importance of uncontaminated groundwater for local water supplies.

The first step in preventing groundwater pollution is selection of a site which minimizes the chance of this happening. Some of the many advantages of the site selected for Cell VIII include the thickness of the layers of native clay materials below the ground surface, the suitability of those materials for compacted clay liner and cap construction, and the depths of aquifers used for water supplies, all of which are crucial to the protection of groundwater. The Naborton formation is a subterranean formation of very dense clay up to 450 feet thick. The density of this material makes penetration of it by groundwater very slow and difficult. Groundwater travels much faster through sand and silt layers, and since liquids typically flow in the direction of least resistence, the clays below and above sand and silt layers usually confine groundwater flow to those layers. Aquifers in the vicinity of the landfill that are used for drinking water are at depths that allow construction of disposal cells and treatment ponds above the surface of the groundwater table, although there are some thin sand zones near the surface. The location of the regional aquifers deep beneath the landfill, with over one hundred feet of natural clay separating them from disposed waste materials, protects the groundwater from contamination.

The second step in preventing groundwater pollution is the use of environmental barriers to separate groundwater from disposed wastes. Construction requirements for sanitary landfills include low permeability liners and caps to contain wastes within disposal cells, while keeping groundwater out, and wastewater systems to collect and treat leachate and contaminated stormwater before releasing it to the environment. Disposal cell bottom liners include compacted clay materials that are a minimum of three feet thick, with densities and permeabilities that are superior to even the natural clay materials, resulting in several feet of very dense and impermeable clay between disposed waste materials and the environment. Recent construction at the Mundy Landfill (Cell VI and Cell VII, Phase 1) complies with improved construction techniques that include composite liners which have a plastic membrane installed on top of the clay liner, for added containment of leachate within the cell. The combination of recompacted clay liner and plastic liner is superior to either alone at preventing seepage of leachate out of the cell. The plastic is installed as panels that are overlapped and welded at their seams, which makes the seams as strong and impermeable as the panels themselves. When construction is complete, the plastic is essentially an impermeable "bowl" which contains the waste materials and keeps them from contaminating groundwater. In addition to the standard composite liner, Cell VIII will also have a geosynthetic clay liner (GCL) placed between the clay liner and the plastic liner to provide an additional barrier for groundwater protection. The GCL is a manufactured hydraulic barrier consisting of clay bonded to a layer of geosynthetic material. The clay is a type called sodium bentonite. Sodium bentonite swells to many times its normal volume and density when it gets wet, and so is an excellent material for sealing leaks in compacted clay liners.

Atop the plastic membrane is placed a geotextile fabric which improves drainage across the liner and helps protect the liner from damage. On the bottom of the cell, above the fabric, a 12-inch thick layer of sand is placed as a filter and additional liner protection. The sand allows liquids to penetrate to the leachate collection piping, while trapping any solids being carried by the liquids keeping those solids within the cell. Since sand cannot be kept on the side slopes of the cell without it sliding

down during rain, soil is placed in these locations over the liner to protect it from damage during construction and disposal operations. Leachate flows over the top of the soil protective cover and down to the bottom of the cell, where the sand filter blanket and leachate collection piping is located. These features protect groundwater by keeping waste solids within the cell and allowing liquid wastes (leachate) to be removed for treatment at the onsite wastewater plant.

Leakage into and out of waste areas is controlled by the construction of leachate collection and removal systems and nearly impermeable cell liners and caps. The native clay soils at the Mundy Landfill are capable of being compacted to achieve permeabilities that are significantly lower (better) than those required by the SWRR. Since liquids travel the path of least resistence, they will tend to flow across the top of the cell liner until intercepted by the collection piping, which will carry the liquids out of the cell and to the wastewater treatment plant. These features protect groundwater by keeping wastes contained within the disposal cell and separated from groundwater.

The bottom of cell liner system is sloped toward the collection piping, and the piping is placed in swales to increase the rate of interception. The pipes are installed in parallel 200 feet apart so that the flow path for the leachate is no greater than 100 feet to a pipe, in accordance with the SWRR. These design and construction features of the cell increase the interception of leachate by the piping and decrease the likelihood that leachate will seep through the liner, out of the cell, and into groundwater.

When the available space is exhausted in a cell, disposal is discontinued or relocated to another area, and the cell is closed. Closure includes materials and procedures that keep rainfall and surface runoff out of the cell and away from the disposed wastes. This separation prevents the water from becoming contaminated by contact with decomposing waste materials. The closure cap installed over the waste materials is composed of native clay compacted to a final thickness of at least two feet and to the permeability required for the cell liner. Cell VIII will have a plastic cover similar to the HDPE liner discussed above placed on the flatter slopes of the peak of the cell. The plastic will be installed over the clay cap. This construction meets the requirements of the SWRR and is proven to exclude almost all of the exterior water from entering the closed disposal cell. This protects the groundwater by reducing the quantity of contaminated water and leachate generated by the disposal cell, and keeping the wastewater treatment plant from being surcharged to the point where its efficiency and effectiveness in treating the wastewater is reduced.

All of these features are constructed using procedures to guarantee that the materials used in the construction, the people and equipment employed to install them, and the installation procedures all combine to provide a final product which at least meets the requirements of the SWRR. These quality assurance and quality control (QA/QC) procedures include:

- the design of the disposal cell by professional engineers who are trained in this work and licensed by the state;
- the permitting of the proposed design and proposed construction by the LDEQ;
- inspection of all environmental construction by qualified inspectors under the direction of a professional engineer with the requisite expertise;

- testing by a laboratory which is LDEQ-accredited;
- inspection by LDEQ inspectors; and,
- the approval of the project construction by the LDEQ after completion and before disposal operations are begun.

These QA/QC procedures protect groundwater by ensuring that the construction procedures and materials utilized in the project are in conformance with the environmental regulations created to protect the groundwater.

The third step in preventing groundwater pollution is monitoring. Upgradient wells provide information about the natural constituents in the groundwater before it reaches the landfill. This information is compared to samples from the downgradient wells, with any discrepancies indicating possible leakage from the disposal cells. The wells are sampled on a semi-annual basis, after the establishment of background, and analyses conducted by a state-accredited environmental laboratory, with the results being submitted to the LDEQ semi-annually. This system protects groundwater by allowing for the detection of any contaminants in the groundwater that may have leaked from waste disposal cells, and causing the immediate implementation of remediation procedures.

Other possible sources of groundwater pollution include the flooding of monitoring wells and the migration of landfill gases through the soil until they come in contact with groundwater. Protections for the groundwater from these sources of pollution include the installation of wells in non-flood areas and the construction and operation of a landfill gas collection and venting system. The first prevents flooding of the wells, and the second employs procedures and equipment that remove landfill gases from disposal cells by venting them to the atmosphere, and monitor the migration of landfill gases through the ground.

All of these features of the Cell VIII design and construction prevent groundwater pollution by containing leachate and solid waste materials within the disposal cell, preventing groundwater from infiltrating into the disposal cell, minimizing the entry of surface runoff and rainfall into the disposal cell, removing leachate from the disposal cells to the wastewater plant for treatment, monitoring the release of all liquids from the landfill property, monitoring the groundwater for any possible leakage of waste materials from the cell, and ensuring that the proper construction materials and techniques are used.

SURFACE WATER EFFECTS. Contamination of streams is another possible adverse effect of solid waste disposal. Surface waters may be polluted by the release of leachate or contaminated storm water from disposed wastes, by the direct addition of such wastes to the surface waters, or indirectly by pollution of groundwater which serves as a source for the surface water (discussed above). Contaminated surface water is not as high strength and cannot pollute groundwater as much as leachate, but can cause harmful results. Leachate and contaminated stormwater were uncontrolled and unregulated products of the open dump system utilized for decades in not only DeSoto Parish, but many other locations. The Mundy Landfill was planned, designed, constructed, permitted, and operated to replace and eliminate such dumps. The Cell VIII expansion allows Mundy Landfill to continue to provide protection of the inhabitants of the area.

The liner, closure cap, and leachate collection and removal system discussed above were designed and constructed to control, contain, and separate polluted waters generated by solid waste disposal from non-polluted stormwater. These features of Cell VIII protect surface waters by collecting harmful liquids and conveying them to the wastewater treatment plant for removal of the waste products and conversion of the contaminated water to relatively harmless water which can be safely released to the environment.

Mundy Landfill monitors surface water at six outfalls or discharge points. All surface runoff exiting the landfill, including Cell VIII, does so at one of five "outfalls." Three are along the northern property line, one is at the southeast corner, and one is on the northwest side of Cell VIII. The sixth outfall discharges from the wastewater treatment plant, thence to one of the outfalls exiting the site to the north. All six outfalls are sampled and monitored according to the Louisiana Pollutant Discharge Elimination System water discharge permit issued to the landfill. This protects surface water by monitoring the waters exiting the site which will enter downstream waterways.

Sedimentation ponds collect runoff, and hold it for a period of time, until eroded soil materials carried by the runoff settle to the bottom of the ponds. The water is then allowed to exit the ponds and the site. Such treatment, while not pertaining directly to solid waste, prevents erosion of the site during construction and disposal operations from resulting in sediment buildup in downstream bodies of water, which could adversely affect wildlife and cause flooding.

Another protection for surface water is a system of controls for surface runon and runoff. Surface water outside the limits of Cell VIII is prevented from entering the cell (runon) by a series of earthen berms and drainage ditches which channel the surface flow around and away from the cell. The water is discharged into the sedimentation ponds for removal of the silt. This prevents the brief contact of the water with disposed wastes that would turn it into contaminated stormwater and require its treatment at the on-site wastewater treatment plant. Contaminated water due to rainfall inside the cell (runoff) is contained by earthen berms and directed to the collection piping for interception and conveyance to the treatment facility. This prevents contaminated water from exiting the site without treatment.

These features of the Cell VIII design and construction prevent surface water pollution by containing leachate and solid waste materials within the disposal cell, minimizing the entry of surface runoff and rainfall into the disposal cell, controlling contaminated water within the cell, removing leachate from the disposal cell to the wastewater plant for treatment, directing silt-laden stormwater runoff to the sedimentation ponds for de-silting, and monitoring the release of all liquids from the landfill property.

<u>AIR QUALITY EFFECTS.</u> A third potentially harmful effect of solid waste disposal is pollution of the air. This could be caused by release of landfill gas generated by decomposing waste materials, either directly at the site of disposal or indirectly after migration of such gas through subsurface soils. Possible effects of air pollution include threat to human health, noxious odors, and explosions.

Cell VIII includes features and procedures to control the migration and release of gas generated

within the cell by waste decomposition. The site for the landfill and the expansion was selected partly because it is relatively remote, with few residences and businesses close enough to be affected by gases. The cell liner and cap are more impermeable than the wastes they contain, and trap and divert gas to collection systems which release the gas to the atmosphere at specified locations, where they can be tested and monitored. Air currents dissipate vented landfill gas before it becomes a nuisance to neighbors. Monitoring equipment is used by trained operators to ensure that gas concentrations within buildings and at the landfill boundaries, above and below ground, are less than levels stipulated in the SWRR, preventing explosions and migration outside the landfill limits. A landfill gas monitoring plan in Appendix C of the Permit Renewal Application details procedures and protocols to be employed by landfill personnel.

The siting of the cell, the passive landfill gas venting system, and the gas monitoring system prevent any harmful effects from air pollution. The size of the cell, the types of wastes permitted for disposal, and the relatively small volume disposed daily result in the generation of quantities of landfill gas which are not harmful and can be handled by the gas system.

VISUAL EFFECTS. Without proper operation, solid waste disposal can quickly become unsightly, due to uncovered wastes, blown paper, waste hauling traffic, dust, exposure of wastes and operation to local traffic, etc. People living in the vicinity or using roadways passing landfills may be exposed to such eyesores. While it is not possible to totally eliminate such problems, the location, construction, and operation of Cell VIII minimizes such adverse effects as much as possible. The landfill is located in a rural, unpopulated area. Cell VIII is located in a low area of the property and surrounded on all sides by closed disposal cells, undeveloped land, or higher ground, which screen the active areas from the highway. Additional screening is provided by the planting of vegetation along the southern property line.

Operational procedures also prevent adverse visual effects and are part of the landfill permit. Disposed wastes must be covered at the end of each day with a spray-on material, or other approved daily cover, which covers the wastes and prevents windblown paper. Each week ends with the active disposal area that has not been covered with earthen cover, being covered with a minimum of six inches of soil, providing additional containment. Temporary closure of a disposal area must include an additional six inches of soil over the disposed wastes, and permanent closure requires construction of a cap consisting of a minimum of two feet of clay which must meet the materials and installation specifications of the compacted clay cell liner.

Litter fences are used around active disposal areas to prevent the escape of litter. Landfill personnel inspect and police the landfill on a regular basis to pick up litter and identify and repair any areas of temporary or permanent closure caps from which unsightly materials might escape. Dust is controlled by moistening dust source areas during times of no rainfall.

These features, construction measures, and operational procedures prevent adverse visual effects around Cell VIII.

NOISE REDUCTION. Similar to adverse visual effects, noise can offset the benefits that a landfill

provides to a community. Waste hauling traffic, landfill operational equipment, birds, and other sources can generate a significant amount of noise which would affect local residents. Many of the features of the Cell VIII expansion which prevent noise pollution are discussed in the previous section. Noise is reduced by screening active disposal cells with surrounding features which are higher and contain the noise, by the daily covering of disposed wastes to prevent birds from gathering, and by the siting of the landfill in a remote area. Also, the operational hours limit disposal operations to those times which would cause the least disturbance to local residents. These many factors keep noise from disturbing any local residents and the landfill from becoming a nuisance.

VECTORS. Landfills are recognized sources of food and shelter for disease-causing animals, such as birds, insects, and rodents. These wild animals are called vectors and can carry diseases which are harmful to people and other animals. Even healthy animals, wild or tame, can be harmful to local traffic, nuisances to nearby residents, and problems for agriculture. The SWRR require the control and elimination of vectors by such methods as daily, interim, and final covers for disposed wastes, use of approved pesticides, control of wastes within disposal cells, daily site inspections, and other procedures. The Mundy Landfill observes and practices all approved methods for controlling vectors with procedures which are detailed in the Permit Renewal Application. These procedures have historically prevented vectors from being a problem at this facility and this is expected to continue with the expansion.

DEVELOPMENT. As described above, the Mundy Landfill is located in a rural, unpopulated area of DeSoto Parish. There are no master, zoning, or development plans for the area, existing or anticipated. The few neighbors that the landfill has have never objected to its presence and operation. This lack of development prevents the landfill from being a nuisance.

Public hearings were conducted when the landfill was being planned, and the public endorsed the plan. All permit modifications over the subsequent 22 years have required advertisement and public viewing periods, with no objections being voiced. The public will be informed of this modification request and given an opportunity to view the proposal and voice any objections. The DPPJ and its Solid Waste Committee meet at least monthly in public forums, to which residents are allowed to express concerns or problems, and none have done so. The landfill is sufficiently distant from its neighbors and operated in such a way that there have been no complaints directed to the DPPJ.

REAL ADVERSE EFFECTS. There are few real adverse effects that have resulted from the operation of the Mundy Landfill, those being the occasional unavoidable problems which are inherent to solid waste disposal, and which are more nuisances than real problems. Significant adverse effects, such as air, water, and groundwater pollution, are unknown at this facility, having been prevented by its planning, siting, design, construction, permitting, and operation. The lesser nuisances like occasional traffic, dust, noise, and visual problems are heavily outweighed by the serious adverse effects which existed before the landfill was built. This facility was conceived to improve the previous solid waste management system in DeSoto Parish, which consisted of open dumps and littering. During its history, the landfill has fulfilled its purpose of providing the residents of the parish with an environmentally safe location and method for disposing of solid wastes. The Cell VIII expansion will give Mundy Landfill the opportunity to continue these

beneficial services for the residents of DeSoto Parish.

CONCLUSION. Modification No. 1 demonstrates that the permitting, construction, and operation of Cell VIII meets or exceeds all of the current regulations and technology for sanitary landfill construction. As described above, the many potential adverse effects of sanitary landfill operation are mitigated or eliminated by its design, and the multitude of much more serious consequences of open dump disposal and dumping of waste materials along the roads or in the forests, as practiced before the landfill was built, are prevented. The Mundy Landfill has a history and tradition of providing safe, economical, and efficient disposal of solid wastes for the citizens of DeSoto Parish. The continued use of this facility will provide improved protection to the public health and the environment of DeSoto Parish, Louisiana.

Demonstrate using a cost-benefit analysis that the social and economic benefits of the facility outweigh the environmental-impact costs.

The previous section illustrates that the many possible adverse impacts from the implementation of Cell VIII are mitigated or eliminated by the measures and procedures used in its design, permitting, construction, and operation. The lack of potential and real environmental costs for the proposed project makes it a simple matter to demonstrate that the costs are outweighed by its benefits.

The implementation of Cell VIII will keep the landfill in operation and continue the following benefits to the residents of DeSoto Parish:

SOLID WASTE DISPOSAL. The Solid Waste Department (SWD) of DeSoto Parish is funded by two sources: taxes and landfill revenues. This allows for parish solid waste disposal without having to charge parish residents fees for this service. Failure to construct the new disposal cell, and the resulting closure of the landfill, would eliminate one of these revenue sources. At the same time, it would force the SWD to truck the parish's solid waste increased distances, at significant cost, to other facilities for disposal. The SWD would be forced to accept increased operational costs with a substantial reduction in revenues. The only methods of doing so would be to increase taxes or assess monthly fees for solid waste collection. The low- to middle-income class of citizen living in DeSoto Parish would find it very difficult to accommodate such additional costs. Keeping the landfill open by constructing and permitting Cell VIII will continue the beneficial service to parish residents without increasing the costs.

REDUCED TAXATION. The DeSoto Parish Police Jury has been working to increase the waste stream into the landfill by soliciting new customers. Increases in the waste stream translate into increased revenues for the Solid Waste Department. Such increased revenues may allow the reduction in taxes which help fund solid waste collection and disposal operations in the parish, or possibly the use of the existing taxes to improve funding for other parish services, such as road maintenance. Either option could not fail to improve the quality of life for parish residents. Failure to proceed with Cell VIII would result in the necessary closure of the landfill, increased cost of living as described in the previous section, prevention of the potential improved quality of life that would ensue from a reduction in taxes or improvement in other parish services.

EMPLOYMENT. The Solid Waste Department employs many parish residents for its collection and disposal operations. This was one of the deciding factors in the decision by the DeSoto Parish Police Jury in 1984 to permit and construct Mundy Landfill and get into the solid waste disposal business. Failure to proceed with Cell VIII, and the necessary closure of the landfill, would result in a loss of jobs by parish residents. It would also prevent the reduction in unemployment in the parish.

ENVIRONMENTAL BENEFITS. Before the construction of Mundy Landfill, DeSoto Parish had major problems with open dumps, the littering of its roads and properties with wastes, and potential pollution of the air, groundwater, etc. The landfill has eliminated much of this problem. The potential adverse effects of not building Cell VIII - closure of the landfill, increased solid waste collection/disposal fees, increased taxes, increased unemployment - might possibly be accompanied by a return to the methods of waste disposal before the landfill was built - littering and open dumps. Proceeding with the new disposal cell will enable the parish government to continue its efforts to clean up the parish and prevent environmental damage from illegal solid waste disposal.

CONCLUSION: The above discussion clearly illustrates that the benefits of constructing and operating Cell VIII outweigh the potential costs of the project. The benefits are definite - the costs are possible and are either mitigated or eliminated by design, construction, permitting, inspection, and operation procedures which are in conformance with the Solid Waste Rules and Regulations and the landfill permit.

Discuss possible alternative projects which would offer more protection to the environment without unduly curtailing nonenvironmental benefits.

There are no possible alternative projects which would offer more protection to the environment without curtailing non-environmental benefits. Cell VIII must be permitted and constructed on a schedule, to prevent interruption of waste disposal activities and the possibility of the problems described in the previous section. Cell VII is close to exhaustion of its available space, and disposal operations must be relocated to a new cell if the facility is to remain open. The only available space at the permitted landfill for new disposal cells are the areas reserved for Cell VI, Phase 4 and Cell VII, Phase 2.

Cell VI, Phase 4 has been designed and permitted as a C&D area. Cell VI, Phase 4 will be constructed in the "valley" between Cell VI, Phases 1 - 3 and closed Cells I - III. Cell VII, Phase 2 is a small area of the existing landfill between Cell VII, Phase 1 and Cell V. Design, permitting and construction of this area would not be a wise use of Police Jury funds. The cost would be significant while the airspace would not. Once design, permitting, and construction of Cell VII, Phase 2 was complete, time and money would be short to pursue a new cell.

Cell VIII is designed provide the facility with airspace to accommodate their growing incoming waste streams. With the approval of Modification No. 1, Mundy Landfill will be able to ensure continued operation for many years. Thereby reducing costs to the Police Jury and hence the tax paying citizens by not requiring another modification after modification every year or so for a new design. Cell VII is sited west of Cells I - IV and is the currently active disposal area. Cell VIII is not

contiguous to the existing facility and is east of Cell VII. This isolates construction operations from waste disposal operations, making both more efficient.

Cell VIII is much larger, deeper, and will have a longer service life than Cell VII, Phase 2. It has an expected capacity of 1,400,000 tons and a service life of 30 years. Cell VII, Phase 2 will only last one year or so. Cell VIII is a better use of available funding. Proceeding with Cell VII, Phase 2 at this time would require continuing with Cell VIII as soon as construction was finished, if not sooner, to ensure the completion of the next disposal area by the end of the short service life of Cell VII, Phase 2. Funding for two disposal cells within such a short period of time would be difficult for the DeSoto Parish Police Jury.

There are no other areas available within the property for construction of another disposal cell, so the only other alternative is closure of the landfill. As described in a previous section, closure would throw a number of parish employees out of work. It would end the free disposal of waste at the landfill by parish residents. It would require the trucking of solid waste from DeSoto Parish to other disposal facilities, increasing the costs of solid waste disposal in the parish while eliminating a major source of solid waste revenue (the landfill). Such increased costs and reduced revenues would require increased taxation. Closure would also result in the resumption of illegal dumping of wastes along the roadways and in the forests of the parish.

CONCLUSION: Cell VIII meets all current regulations and state of the art construction techniques for solid waste disposal. The alternatives to not building the new cell are unreasonable and could result in considerable environmental, economic, and political damage to the residents of DeSoto Parish.

Discuss possible alternative sites which would offer more protection to the environment without unduly curtailing nonenvironmental benefits.

A traditional alternative site analysis is not required because of the existence of a permitted sanitary landfill in DeSoto Parish for the implementation of the selected project to construct and permit Cell VIII. Mundy Landfill was permitted and constructed in 1986 to provide for the sanitary solid waste disposal needs of DeSoto Parish, to allow the closures of all open dumps, and to prevent the illegal dumping of wastes along the roads and in the forests of the parish. Since its construction, it has been constantly expanded and improved to continue to provide these services. The DeSoto Parish Police Jury is attempting to maximize the service life of this facility, and the construction and operation of Cell VIII is the next logical step in the development of the landfill.

The only two options to building Cell VIII are: the permitting and construction of another facility in the parish; or, the disposal of solid waste at another facility outside the parish. Because of the extensive requirements in the Solid Waste Rules and Regulations concerning sanitary landfills, which provide for the protection of the public health and environment, the permitting and construction of a new landfill takes several years. Mundy Landfill will exhaust available disposal space by the end of 2007, so there is insufficient time to prepare another facility.

Trucking parish solid waste materials to another facility outside the parish is discussed in previous sections. The economic, political, and environmental ramifications of closing Mundy Landfill, rather than implementing the development of a new disposal cell which meets all current regulations and will keep the facility open, would cause major problems for the residents and government of DeSoto Parish.

CONCLUSION: Mundy Landfill was conceived, planned, designed, and permitted to provide for the safe, efficient, and convenient disposal of solid waste in DeSoto Parish and surrounding areas. Failure to proceed with the development and utilization of the facility in accordance with its permitted purpose and with all pertinent environmental guidelines should not even be considered. The service life of the landfill should be maximized to continue its history of service to the residents of DeSoto Parish.

Discuss and describe mitigating measures which would offer more protection to the environment than the facility, as proposed, without unduly curtailing nonenvironmental benefits.

There are no mitigating measures that would offer more protection than those described in Permit Modification No. 1, concerning the design, permitting, and construction of Cell VIII, without curtailing non-environmental benefits. This project includes design, construction, and inspection procedures that meet or exceed all current requirements of the LDEQ, the Solid Waste Rules and Regulations, and the landfill permit, and that are proven to be environmentally sound and effective. The design and permit modification are prepared by professional engineers licensed by the state of Louisiana. The design and permit modification application must be reviewed and approved by LDEQ staff, who will also inspect the project during and after construction, and then review and approve the construction certification. Construction inspectors must be certified by LDEQ and perform inspection, sampling, and testing according to national guidelines and procedures.

The proposed disposal cell is sited in an area to maximize its service life and minimize environmental problems. Its features include a composite liner which contains solid and liquid waste materials within the cell and prevents groundwater from entering; an interior collection piping system which collects liquids within the cell and conveys them to the wastewater plant for treatment; a new road system to facilitate access; new sedimentation ponds to prevent silt-laden water from adversely affecting downstream waterways; and changes to the monitoring system which protect the groundwater, all as described in the previous sections and the permit modification application. All of these measures provide quality assurance and quality control that ensure protection of the public health and the environment.

CONCLUSION: Cell VIII meets all current regulations, requirements, and state of the art design and construction techniques for sanitary solid waste disposal. There are no mitigating measures that would improve the proposed project without resulting in the closure of Mundy Landfill.