STATEMENT OF BASIS

as required by LAC 33:IX.3109, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0105465; AI 6054; PER20040002** to discharge to waters of the **State of Louisiana** as per LAC 33:IX.2311.

The **permitting authority** for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

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

I. THE APPLICANT IS: Slidell Landfill, L.L.C.
Slidell Landfill
310 Howze Beach Lane
Slidell, LA 70461

II. PREPARED BY: Eura DeHart

DATE PREPARED: April 14, 2009

III. PERMIT ACTION: reissue LPDES permit LA0105465, AI 6054; PER20040002

LPDES application received: June 11, 2004
Revised LPDES application received: March 31, 2006

EPA has not retained enforcement authority.

LPDES permit issued: December 7, 1999
LPDES permit expired: December 31, 2004

IV. FACILITY INFORMATION:

A. The application is for the discharge of contact and non-contact stormwater, treated sanitary wastewater, and vehicle and equipment wash water from the Slidell Landfill, a construction/demolition debris landfill.

B. The facility is located at 310 Howze Beach Lane in Slidell, St. Tammany Parish.

C. The treatment facilities consist of a holding pond for treatment of landfill wastewater and a sewage treatment plant for treatment of the sanitary wastewater.

D. Modifications to the facility resulted in closing of one of the four outfalls identified in the previous permit. Stormwater previously discharge through Outfall 001 and Outfall 002 has been combined resulting in one Outfall 001. Outfall 003 (treated sanitary wastewater) has been renumbered to Outfall 002. Outfall 004 (vehicle and equipment wash water has been renumbered to Outfall 003.

Outfall 001

Discharge Location:	Latitude 30° 14' 25" North Longitude 89° 45' 46" West
Description:	landfill wastewater including contact and non-contact stormwater
Expected Flow:	0.29 MGD

Outfall 002 (formerly Outfall 003)

Discharge Location: Latitude 30° 14' 14" North
Longitude 89° 45' 50" West

Description: treated sanitary wastewater

Expected Flow: 200 GPD

Outfall 003 (formerly Outfall 004)

Discharge Location: Latitude 30° 14' 12" North
Longitude 89° 45' 49" West

Description: vehicle and equipment wash water

Expected Flow: 400 GPD

V. RECEIVING WATERS:

The discharge is into an unnamed ditch, thence into Schneider Canal, thence into Salt Bayou from Outfall 001 and into onsite drainage, thence into the Coastal Waste Services stormwater holding pond, thence into Schneider Canal from Outfall 002 and Outfall 003 in subsegment 040909 of the Lake Pontchartrain Basin. This segment is listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 040909 of the Lake Pontchartrain Basin are as indicated in the table below[1/]:

Degree of Support of Each Use						
Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
Not Supported	Not Supported	Full	N/A	N/A	N/A	N/A

[1/]The designated uses and degree of support for Segment 040909 of the Lake Pontchartrain Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2006 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

VI. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 040909 of the Lake Pontchartrain Basin, is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated November 17, 2008 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic hab
itat.

VII. HISTORIC SITES:

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

VIII. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mr. Eura DeHart
Water Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

IX. PROPOSED PERMIT LIMITS:

Subsegment 040909, W-14 Main Diversion Canal - from its origin in the north end of the City of Slidell to its junction with Salt Bayou, is listed on LDEQ's Final 2006 303(d) List as impaired for pathogen indicators. To date no TMDLs have been completed for this waterbody. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL.

Pathogen Indicators

To protect against high levels of pathogenic organisms in the receiving waterbody, fecal coliform limits have been established for the sanitary wastewater outfall (Outfall 002) in the permit.

Final Effluent Limits:

Outfall 001:

The limitations for the permit are based on effluent parameters found at 40 CFR. Part 445, Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for the Landfills Point Source Category, the LPDES Construction/Demolition Debris and Woodwaste Landfills General Permit (LAG780000), the LPDES Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activities, Sector L (LAR050000), and the previous LPDES permits for the facility.

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
BOD_5	37 mg/l	140 mg/l	Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Landfills Point Source Category
TSS	27 mg/l	88 mg/l	Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Landfills Point Source Category
TOC	---	50 mg/l	BPJ based on the Multi-Sector General Permit, Sector L. (May 2006) & Construction/Demolition Debris and Woodwaste Landfill (October 2007)
Oil and Grease	---	15 mg/l	BPJ based on the Multi-Sector General Permit, Sector L. (May 2006) & Construction/Demolition Debris and Woodwaste Landfill (October 2007)
Iron, Total Recoverable	---	1.0 mg/l	BPJ based on the Multi-Sector General Permit, Sector L. (May 2006) & Construction/Demolition Debris and Woodwaste Landfill (October 2007)
Ammonia – Nitrogen	4.9 mg/l	10 mg/l	Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Landfills Point Source Category
a-Terpineol	0.016 mg/l	0.033 mg/l	Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Landfills Point Source Category
Benzoic Acid	0.071 mg/l	0.12 mg/l	Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Landfills Point Source Category
p-Cresol	0.014 mg/l	0.025 mg/l	Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Landfills Point Source Category
Phenol	0.015 mg/l	0.026 mg/l	Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Landfills Point Source Category
Zinc (Total)	0.11 mg/l	0.2 mg/l	Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards for Landfills Point Source Category
Chromium (Total)	---	Report	Previous LPDES Permit LA0105465
Lead (Total)	---	Report	Previous LPDES Permit LA0105465
Mercury (Total)	---	Report	Previous LPDES Permit LA0105465
Copper (Total)	---	Report	Previous LPDES Permit LA0105465

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which expresses BOD_5 and TSS in terms of concentration.

Other Effluent Limitations:

1) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time in accordance with LAC 33:IX.5905.C.

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

Outfall 002:

The limitations for Outfall 002 are based on effluent parameters found in LPDES Class I Sanitary Discharge General Permit (LAG530000), December 2007.

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg	Weekly Avg	Basis
BOD_5	---	45 mg/l	BPJ based on the LPDES Class I Sanitary Discharge General Permit (December 2007)
TSS	---	45 mg/l	BPJ based on the LPDES Class I Sanitary Discharge General Permit (December 2007)

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which expresses BOD_5 and TSS in terms of concentration.

Other Effluent Limitations:

1) Fecal Coliform

The discharge from this facility is into a waterbody which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.a., the fecal coliform standards for this waterbody are 200/100ml and 400/ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the waterbody standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with theses limitations using present available technology.

2) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time in accordance with LAC 33:IX.5905.C.

3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

Outfall 003:

The limitations for Outfall 003 are based on effluent parameters found in Schedule B of LPDES Construction/Demolition Debris and Woodwaste Landfills General Permit (LAG780000), October 2007.

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
TSS	---	45 mg/l	LAG780000 Construction/Demolition Debris Landfill General Permit, Sector L. (October, 2007)
COD	200 mg/l	300 mg/l	LAG780000 Construction/Demolition Debris Landfill General Permit, Sector L. (October, 2007)
Oil and Grease	---	15 mg/l	LAG780000 Construction/Demolition Debris Landfill General Permit, Sector L. (October, 2007)
Soaps and/or Detergents[1]	N/A	N/A	LAG780000 Construction/Demolition Debris Landfill General Permit, Sector L. (October, 2007)
Visible Sheen[2]	---	No Presence	LAG780000 Construction/Demolition Debris Landfill General Permit, Sector L. (October, 2007)

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD_5 and TSS in terms of concentration.

[1] You must document in a monthly inventory record the quantity and type of any Soap and/or detergent that you use during each calendar month. Your inventory records should contain this information for each month beginning one month after the effective date of your permit coverage. Do not submit your inventory records to LDEQ when you submit your DMRs and do not report on your DMRs the quantity of Soap and/or detergent used during the reporting period. A Material Safety Data Sheet (MSDS) for each material used shall be available upon the initial use of a product. The permittee must keep the inventory records, the MSDS for each Soap and/or Detergent used, and copies of the facility's DMR records on file at the permitted facility.

[2] The limitation shall be "No Visible Sheen." Visual Observation shall be made once per day when discharge occurs and the presence or absence of a sheen recorded in a log. If a visual sheen is present, a letter of noncompliance shall be submitted in accordance with Part III.D.7. Retain manual log at the facility for three years. No DMR reporting shall be required.

Other Effluent Limitations:

1) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

X. PREVIOUS PERMITS:

LPDES Permit No. LA0105465: Issued: December 7, 1999
Expired: December 31, 2004

Outfalls 001 and 002:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Daily Avg.	Daily Max.	Measurement Frequency	Sample Type
Flow	Report	Report	1/month	Estimate
TOC	---	50 mg/l	1/month	Grab
Oil & Grease	---	15 mg/l	1/month	Grab
Chromium, Total	---	Report	1/6 months	Grab
Lead, Total	---	Report	1/6 months	Grab
Mercury, Total	---	Report	1/6 months	Grab
Copper, Total	---	Report	1/6 months	Grab
Zinc, Total	---	Report	1/6 months	Grab
pH	6.0 (min)	9.0 (max)	1/month	Grab

Outfall 003:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Monthly Avg.	Weekly Avg.	Measurement Frequency	Sample Type
Flow	---	Report	1/6 months	Estimate
BOD_5	---	45 mg/l	1/6 months	Grab
TSS	---	45 mg/l	1/6 months	Grab
Fecal Coliform Colonies	---	400	1/6 months	Grab
pH	6.0 (min)	9.0 (max)	1/6 months	Grab

Outfall 004:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Monthly Avg.	Daily Max.	Measurement Frequency	Sample Type
Flow	---	Report	1/3 months	Estimate
COD	200 mg/l	300 mg/l	1/3 months	Grab
Oil and Grease	---	15 mg/l	1/3 months	Grab
TSS	---	45 mg/l	1/3 months	Grab
Visible Sheen	---	No Presence	1/day	Observation
Soaps and/or detergents	---	---	1/3 months	Calculation
pH	6.0 (min)	9.0 (max)	1/3 months	Grab

XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:

A) Inspections

A review of the files indicates the most recent inspection of the facility was performed on May 22, 2008. The following was noted:

- All records were available at the facility
- Facility operations were satisfactory
- No areas of concern were noted at the time of inspection

B) Compliance and/or Administrative Orders

The facility is operating under an Administrative Order WE-AO-04-1119 issued on September 21, 2004.

C) DMR Review

A review of the discharge monitoring reports for the period beginning October 1, 2006 through September 30, 2008 has revealed the following violations:

Parameter	Outfall	Period of Excursion	Permit Limit	Reported Quantity
COD, Monthly Average	004	December 2006	200 mg/l	238 mg/l
TSS, Daily Maximum	004	December 2006	45 mg/l	102 mg/l
TSS, Monthly Average	002	January 2008	27 mg/l	58 mg/l
TSS, Monthly Average	002	February 2008	27 mg/l	58 mg/l
BOD_5, Monthly Average	002	February 2008	37 mg/l	63 mg/l
TSS, Daily Maximum	004	March 2008	45 mg/l	55 mg/l

XII. ADDITIONAL INFORMATION:

The Louisiana Department of Environmental Quality (LDEQ) reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional water quality studies and/or TMDL's. The LDEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as requested by the permittee and/or as necessary to achieve compliance with water quality standards. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

In accordance with LAC 33:IX.2903, this permit may be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitations issued or approved under sections 301(b)(2)(c) and (D); 304(b)(2); and 307(a)(2) of the Clean Water Act, if the effluent standard or limitations so issued or approved:

a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

b) Controls any pollutant not limited in the permit; or

c) Requires reassessment due to change in 303(d) status of waterbody; or

d) Incorporates the results of any total maximum daily load allocation, which may be approved for the receiving water body.

Please be aware that the Department has the authority to reduce monitoring frequencies when a permittee demonstrates two or more consecutive years of permit compliance. Monitoring frequencies established in LPDES permits are based on a number of factors, including but not limited to, the size of the discharge, the type of wastewater being discharged, the specific operations at the facility, past compliance history, similar facilities and best professional judgment of the reviewer. We encourage and invite each permittee to institute positive measures to ensure continued compliance with the LPDES permit, thereby qualifying for reduced monitoring frequencies upon permit reissuance. If the Department can be of any assistance in this area, please do not hesitate to contact us. As a reminder, the Department will also consider an increase in monitoring frequency upon permit reissuance when the permittee demonstrates continued non-compliance.

The requirements of Part II, Section B apply to stormwater discharges associated with industrial activity as defined in LAC 33:IX.2511.B.14.i and Sector L of the LPDES Multi-Sector Stormwater Permit LAR050000. These apply to point source stormwater discharges associated landfills. Therefore, the Slidell Landfill Facility will be required to develop a Stormwater Pollution Prevention Plan to be effective six months from the effective date of the permit.

At present, the **Monitoring Requirements, Sample Types, and Frequency of Sampling** for this facility are shown below:

Outfall 001:

Effluent Characteristics	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow	1/month	Measure
BOD_5	1/month	Grab
Total Suspended Solids	1/month	Grab
Ammonia-Nitrogen	1/month	Grab
TOC	1/month	Grab
Oil & Grease	1/month	Grab
Total Recoverable Iron	1/month	Grab
a-Terpineol	1/month	Grab
Benzoic Acid	1/month	Grab
p-Cresol	1/month	Grab
Phenol	1/month	Grab
Zinc, Total	1/month	Grab
Chromium ,Total	1/6 months	Grab
Lead, Total	1/6 months	Grab
Mercury, Total	1/6 months	Grab
Copper, Total	1/6 months	Grab
pH	1/month	Grab

Outfall 002:

Effluent Characteristics	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow	1/6 months	Estimate
BOD_5	1/6 months	Grab
Total Suspended Solids	1/6 months	Grab
Fecal Coliform Bacteria	1/6 months	Grab
pH	1/6 months	Grab

Outfall 003:

Effluent Characteristics	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow	1/3 months	Estimate
TSS	1/3 months	Grab
Oil and Grease	1/3 months	Grab
COD	1/3 months	Grab
pH	1/3 months	Grab
Soaps & detergents	1/3 months	Inventory Calculation
Visible Sheen	Daily	Observation

XIII. TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in this Statement of Basis.

XIV. REFERENCES:

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2004.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, Slidell Landfill, L.L.C., Slidell Landfill, June 4, 2004.

LPDES Permit Application to Discharge Wastewater, Slidell Landfill, L.L.C., Slidell Landfill, March 31, 2006.