FACT SHEET

as required by LAC 33:IX.3111 for major LPDES facilities, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0043931; AI 41277; PER20070001** 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: City of Donaldsonville
Donaldsonville Wastewater Treatment Facility
Post Office Box 470
Donaldsonville, Louisiana 70346

II. PREPARED BY: Todd Franklin

DATE PREPARED: September 4, 2007

III. PERMIT ACTION: reissue LPDES permit LA0043931, AI 41277; PER20070001

LPDES application received: June 21, 2007

EPA has not retained enforcement authority.

Previous LPDES permit effective: July 1, 2002
Previous LPDES permit expires: June 30, 2007

IV. FACILITY INFORMATION:

A. The application is for the discharge of treated sanitary wastewater from a publicly owned treatment works serving the City of Donaldsonville

B. The permit application does not indicate the receipt of industrial wastewater.

C. The facility is located at 7760 Highway 70 in Paincourtville, Assumption Parish.

D. The treatment facility consists of influent screening, aeration in an oxidation pond, and chlorine disinfection.

E. Outfall 002

Discharge Location:	Latitude 30° 6′ 9″ North Longitude 90° 57′ 51″ West
Description:	treated sanitary wastewater
Design Capacity:	1.5 MGD

Type of Flow Measurement which the facility is currently using:

Combination Totalizing Meter / Continuous Recorder

V. RECEIVING WATERS:

The discharge is into the Mississippi River in Subsegment 070301 of the Mississippi River Basin. This segment is not listed on the 303(d) list of impaired waterbodies.

The **critical low flow** (7Q10) of the Mississippi River is 141,955 cfs.

The **hardness value** is 151 mg/l and the **fifteenth percentile value for TSS** is 18 mg/l.

The designated uses and degree of support for Subsegment 070301 of the Mississippi River Basin are as indicated in the table below[1/]:

Overall Degree of Support for Segment	Degree of Support of Each Use						
Full	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
	Full	Full	Full	N/A	Full	N/A	N/A

[1/] The designated uses and degree of support for Subsegment 070301 of the Mississippi River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2004 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

VI. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, is listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which is listed as an endangered species. Since effluent limitations are established in the permit to ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat, LDEQ has determined that the issuance of this LPDES permit is not likely to adversely affect the Pallid sturgeon or its aquatic habitats. As instructed by the FWS in a letter dated September 29, 2006, from Watson (FWS) to Brown (LDEQ), this fact sheet has been sent to the FWS for review and consultation.

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 modification 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. Todd Franklin
Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

IX. PROPOSED PERMIT LIMITS:

Subsegment 070301, Mississippi River-from Monte Sano Bayou to Head of Passes, is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

As per LAC 33:IX.2707L.2.a.ii, availability of information which was not available at the time of previous permit issuance and will justify the application of less stringent effluent limitations in the proposed permit constitutes an exception to LAC 33:IX.2707.L.1, which states when a permit is renewed or reissued standards or conditions must be at least as stringent as the final limitations, standards, or conditions in the previous permit. In the previous permit, this treatment facility was required to meet a maximum limitation of less than 0.1mg/l TRC. A water quality screen was performed using data from the application and from DMRs from June 2005 through April 2007. The screen did not indicate a need for a limitation for TRC. Therefore, the limitation for TRC has been removed from this permit. See Appendix B-1 for more information.

The previous permit also contained reporting requirements for Phosphorous and TKN. These reporting requirements were for informational gathering purposes because the receiving waterbody was listed as impaired for phosphorous and nitrogen. However, since the issuance of the previous permit, the receiving waterbody has been designated as fully supporting of its designated uses and therefore is not considered impaired. Therefore, the reporting requirement for both parameters has been removed from the permit.

Final Effluent Limits:

OUTFALL 002

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. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
BOD_5	375	30 mg/l	45 mg/l	Limits are set in accordance with the Statewide Sanitary Effluent Limitations Policy (SSELP) for facilities of this treatment type and size which discharge into the Mississippi River.
TSS	375	30 mg/l	45 mg/l	

Other Effluent Limitations:

1) Fecal Coliform

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 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 water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

2) pH

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C, the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

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.

4) Toxicity Characteristics

In accordance with EPA's Region 6 Post-Third Round Toxics Strategy, permits issued to treatment works treating domestic wastewater with a flow (design or expected) greater than or equal to 1 MGD shall require biomonitoring at some frequency for the life of the permit or where available data show reasonable potential to cause lethality, the permit shall require a whole effluent toxicity (WET) limit (*Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards*, September 27, 2001 VERSION 4).

Whole effluent biomonitoring is the most direct measure of potential toxicity which incorporates the effects of synergism of the effluent components and receiving stream water quality characteristics. Biomonitoring of the effluent is, therefore, required as a condition of this permit to assess potential toxicity. LAC 33:IX.1121.B.3. provides for the use of biomonitoring to monitor the effluent for protection of State waters. The biomonitoring procedures stipulated as a condition of this permit are as follows:

The permittee shall submit the results of any biomonitoring testings performed in accordance with the LPDES Permit No. LA0043931, **Biomonitoring Section** for the organisms indicated below.

TOXICITY TESTS	FREQUENCY
48 Hour Definitive Toxicity Test using Daphnia pulex	1/year
48 Hour Definitive Toxicity Test using fathead minnow (Pimephales promelas)	1/year

Dilution Series - The permit requires five (5) dilutions in addition to the control (0% effluent) to be used in the toxicity tests. These additional concentrations shall be 0.021%, 0.028%, 0.037%, 0.049%, and 0.065%. The biomonitoring critical dilution is defined as 0.049% effluent. The critical dilution is calculated in Appendix B-1 of this fact sheet. According to the Implementation of State Standards, acute toxicity testing in addition to, or in lieu of, chronic toxicity testing may be imposed for discharges that have a critical dilution of five percent (5%) or less. An acute to chronic ratio has been applied in the calculations. Results of all dilutions shall be documented in a full report according to the test method publication mentioned in the **Biomonitoring Section** under Whole Effluent Toxicity. This full report shall be submitted to the Office of Environmental Compliance as contained in the Reporting Paragraph located in the **Biomonitoring Section** of the permit.

The permit may be reopened to require effluent limits, additional testing, and/or other appropriate actions to address toxicity if biomonitoring data show actual or potential ambient toxicity to be the result of the permittee's discharge to the receiving stream or water body. Modification or revocation of the permit is subject to the provisions of LAC 33:IX.2383. Accelerated or intensified toxicity testing may be required in accordance with Section 308 of the Clean Water Act.

5) Toxic Substances

Due to drinking water supply being a designated use, the permittee shall analyze the final effluent for the presence of the following toxic substances. The MQL is intended as action levels. Should a toxic substance exceed the MQL, the permittee shall determine the source of the substance and take whatever measures necessary to secure abatement in order to protect all drinking water sources downstream of the discharge. Records of any actions taken shall be made available upon request by any duly authorized regional inspectors and/or LDEQ Headquarter representatives.

A report containing the results of the lab analysis indicating if any toxic substances have exceeded the MQL including a brief summary of any abatement taken at the time, must be submitted to this Office within 20 days of completion of the analysis. **The first analysis shall be performed within six months following the effective date of the permit, and every six months thereafter, by a 24-hour composite sample type.**

Reports must be submitted to the following address:

Department of Environmental Quality
Office of Environmental Compliance
Enforcement Division
Post Office Box 4312
Baton Rouge, Louisiana 70821-4312

TOXIC SUBSTANCES

TOXIC SUBSTANCES (CAS NO.)	Required MQL (µg/l)
VOLATILE ORGANIC CHEMICALS	
Acrolein (107-02-8)	50
acrylonitrile (107-13-1)	50
benzene (71-43-2)	10
bromodichloromethane (dichlorobromomethane) (75-27-4)	10
bromoform (tribromomethane) (75-25-2)	10
carbon tetrachloride (56-23-5)	10
chlorobenzene (108-90-7)	10
chloroform (trichloromethane)	10
chloromethane (methyl chloride) (74-87-3)	50
1,1-dichloroethane (75-34-3)	10
1,2-dichloroethane (107-06-2)	10
1,1-dichloroethylene (75-35-4)	10
dichloromethane (methylene chloride) (75-09-2)	20
cis-1,3-dichloropropene	10
trans-1,3-dichloropropene	10
ethylbenzene (100-41-4)	10
para-dichlorobenzene	---
1,1,2,2-tetrachloroethane (79-34-5)	10
tetrachloroethylene (127-18-4)	10
toluene (108-88-3)	10
1,1,1-trichloroethane (71-55-6)	10
1,1,2-trichloroethane (79-00-5)	10
trichloroethylene (79-01-6)	10
vinyl chloride (chloroethylene) (75-01-4)	10
ACID EXTRACTABLE ORGANIC CHEMICALS	
2-chlorophenol (95-57-8)	10
3-chlorophenol	10
4-chlorophenol	10
2,4-dichlorophenol (120-83-2)	10

2,3-dichlorophenol	10
2,5-dichlorophenol	10
2,6-dichlorophenol	10
3,4-dichlorophenol	10
2,4-dinitrophenol (51-28-5)	50
pentachlorophenol (87-86-5)	50
phenol (108-95-2)	10
2,4,6-trichlorophenol (88-06-2)	10
BASE/NEUTRAL EXTRACTABLE ORGANIC CHEMICALS	
anthracene (120-12-7)	10
benzidine (92-87-5)	50
bis(2-chloroethyl)ether (111-44-4)	10
bis(2-chloro-1-methylethyl)ether (39638-32-9)	10
bis(2-ethylhexyl)phthalate (117-81-7)	10
di-n-butyl phthalate (84-74-3)	10
1,3-dichlorobenzene (541-73-1)	10
1,2-dichlorobenzene (95-50-1)	10
1,4-dichlorobenzene (106-46-7)	10
3,3-dichlorobenzidine (91-94-1)	50
diethyl phthalate (84-66-2)	10
dimethyl phthalate (131-11-3)	10
2,4-dinitrotoluene (121-14-2)	10
1,2-diphenylhydrazine (122-66-7)	20
fluoranthene (206-44-0)	10
hexachlorobenzene (118-07-1)	10
hexachlorobutadiene (87-68-3)	10
hexachlorocyclopentadiene (77-47-4)	10
hexachloroethane (67-72-1)	20
isophorone (78-59-1)	10
nitrobenzene (98-95-3)	10
N-nitrosodimethylamine (62-75-9)	50
N-nitrosodiphenylamine (86-30-6)	20
PESTICIDES & PCBs	
aldrin (309-00-2)	0.05
PCB's (Total)	1.0
gamma-BHC (Lindane, Hexachlorocyclohexane) (58-89-9)	0.05
chlordane (57-74-9)	0.2
4,4"DDD (TDE) (72-54-8)	0.1
4,4"DDE (72-55-9)	0.1

4,4"DDT (50-29-3)	0.1
Dieldrin (60-57-1)	0.1
endosulfan I (alpha) (115-29-7)	0.1
endosulfan II (beta) (115-29-7)	0.1
endrin (72-20-8)	0.1
heptachlor (76-44-8)	0.05
methoxychlor	
2,3,7,8-tetrachlorodibenzo-p-dioxin (1764-01-6)	---
toxaphene (8001-35-2)	5.0
2,4-dichlorophenoxyacetic acid (2,4-D) (94-75-7)	10
2-(2,4,5-trichlorophenoxy)proprionic acid	4
METALS	
antimony (7440-36-0)	60
arsenic (7440-38-2)	10
barium	
beryllium (7440-41-7)	5
cadmium (7440-43-9)	1
chromium III (16065-83-1)	10
chromium VI (7440-47-3)	10
copper (7550-50-8)	10
lead (7439-92-1)	5
flouride	
mercury (7439-97-6)	0.2
nickel (7440-02-0)	40
nitrate (as N)	
selenium (7782-49-2)	5
silver (7440-22-4)	2
thallium (7440-28-0)	10
zinc (7440-66-6)	20
MISCELLANEOUS	
cyanide	20
total phenols	5

X. PREVIOUS PERMITS:

LPDES Permit No. LA0044041: Effective: August 1, 2001
Expired: July 31, 2006

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Monthly Avg.	Weekly Avg.	Measurement Frequency	Sample Type
Flow	Report	Report	Continuous	Recorder
BOD_5	375 lb/day / 30 mg/l	45 mg/l	2/week	6 Hour Composite
TSS	375 lb/day / 30 mg/l	45 mg/l	2/week	6 Hour Composite
Toxic Substances	---	---	1/6 months	24 Hour Composite
Phosphorous	Report mg/l	Report mg/l	1/quarter	Grab
TKN	Report mg/l	Report mg/l	1/quarter	Grab
TRC	less than 0.1 mg/l at any one time		2/week	Grab
Fecal Coliform				
Colonies/100 ml	200	400	2/week	Grab
pH	Range (6.0 su – 9.0 su)		2/week	Grab
Biomonitoring				
Pimephales promelas	Report	Report	1/year	24 Hour Comp.
Daphnia pulex	Report	Report	1/year	24 Hour Comp.

The permit contains biomonitoring.
The permit contains pollution prevention language.
The permit contains pretreatment language.

XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:

A) Inspections

A review of the files indicates the following most recent inspections performed for this facility.

Date – December 21, 2004
Inspector – Sean DarensbourgLDEQ
Findings and/or Violations –

- TSS exceedances in May and November 2004

Date – September 20, 2005
Inspector – Sean Darensbourg, LDEQ
Findings and/or Violations –

- Permit LA0043931 effective July 1, 2002.
- DMR review revealed no excursions.
- A&E Testing performs laboratory analysis work for facility.
- Records are kept at city hall.
- Permit and DMR at site.
- Flowmeter is out as a result of the recent hurricane. Spectrum Group of Metairie has not been able to come and fix meter.

- The ISCO flow meter and thermometer are in the process of being repaired.
- Facility has a three-cell oxidation pond servicing the City of Donaldsonville. The pond has a very visible, significant algae bloom. No duckweed was seen. Nine of the ten blowers are operational. The one that is out will be replaced shortly. No visible problems detected. Chlorine cylinders are used. Facility uses SC162 and HTH chemicals to treat pond.
- Facility appears well-maintained externally.

Date – November 16, 2006
Inspector – Sean Darensbourg, LDEQ
Findings and/or Violations –

- Several excursions detected in DMR review.
- DEQ issued enforcement and compliance letters concerning calibration records and excursions. Mayor Leroy Sullivan issued responses addressing issues.
- A&E is the contract lab for analysis of samples.
- SPL out of Lafayette is consulting lab. Ms. Daiane' Prejean is the main consultant.
- Workers are in the process of being trained.
- All paperwork on file at facility.
- Toxicology tests are done biannually.
- MWPP is in process of being drawn up. Ms. Prejean contacted Wayne Slater in enforcement about this on September 15 and said that completion of MWPP will be December 15.
- Calibration records show that pH is calibrated during every use and the flowmeter is calibrated on a monthly basis. Buffers on site and current. Autosampler ISCO 3700 examined. Thermometer reads 5 degrees Celsius. Recommended replacement.
- Examination of oxidation pond revealed nine out of the ten aerators are operational-broken aerator in process of being replaced.
- No sign of algae bloom.
- Chlorine cylinders are used for filtration. Two operational at time of inspection.

B) Compliance and/or Administrative Orders

A review of the files indicates the following most recent enforcement actions administered against this facility:

LDEQ Issuance:

Compliance Order
Enforcement Tracking No. **WE-C-06-0226 & WE-C-06-0226A**
Date Issued – August 18, 2006 & May 21, 2007
Findings of Fact:

1. The Respondent (City of Donaldsonville) owns and/or operates an existing POTW which serves the residences and businesses of the City of Donaldsonville. The facility is located at 7760 Hwy. 70, 3.3 miles southeast of the City of Donaldsonville, Ascension Parish, Louisiana. The Respondent was issued LPDES permit LA0043931 on June 21, 2002, with an effective date of July 1, 2002, and an expiration date of June 30, 2007.

LPDES permit LA0043931 authorizes the Respondent to discharge certain quantities and qualities of treated sanitary wastewater into the Mississippi River, waters of the state.

2. An inspection on September 30, 2002, revealed the following:
   A. The Respondent failed to maintain adequate calibration of flow measurement devices. Specifically, a calibration check of the temporary flow measuring device that was installed five days prior to the inspection due to the malfunction of the permanent flow measuring device revealed a deviation of 22.5% from the true discharge rates. LPDES permit LA0043931 requires a maximum deviation less than 10% from the true discharge rates.
   B. The Respondent failed to maintain adequate records of monitoring information. Specifically, pH meter initial readings were not recorded and flow measurement records were not being maintained.
   C. The Respondent failed to develop and/or implement adequate laboratory controls and Quality Assurance procedures. Specifically, the TRC meter was being calibrated using a blank and not using standards.
3. An inspection on August 19, 2003, revealed that the Respondent failed to maintain adequate records of monitoring information. Specifically, pH meter calibration readings were not recorded.
4. Inspections on February 13, 2002, August 19, 2003, December 21, 2004, and November 11, 2006, and a file review on April 5, 2007, revealed permit exceedances for the period of May 2001 through February 2007, as reported by the Respondent on DMRs. During the noted time period, there were 16 TSS violations, 22 TRC violations, 1 pH violation, and four fecal coliform violations. Also, the Respondent did not report flow three times and biomonitoring once.
5. A file review on April 5, 2007, revealed that the Respondent did fail to properly operate and maintain all systems of treatment and control which did cause or allow the unauthorized discharge of wastewater from locations not specified in LPDES permit LA0043931.

Order:

1. To immediately take any and all steps necessary to meet and maintain compliance with LPDES permit LA0043931.
2. To submit a written report that includes a detailed description of the circumstances surrounding the cited violations and actions taken or to be taken to achieve compliance with the compliance order.

C) DMR Review

A review of the discharge monitoring reports for the period beginning June 2005 through April 2007 has revealed the following violations:

Parameter	Outfall	Period of Excursion	Permit Limit	Reported Quantity
TRC, Daily Max.	002	July 2005	<0.1 mg/l	0.98 mg/l
TRC, Daily Max.	002	August 2005	<0.1 mg/l	0.97 mg/l

TRC, Daily Max.	002	September 2005	<0.1 mg/l	0.90 mg/l
TSS, Monthly Avg.	002	October 2005	30 mg/l	36.31 mg/l
TSS, Weekly Avg.	002	October 2005	45 mg/l	64.75 mg/l
TRC, Daily Max.	002	October 2005	<0.1 mg/l	0.97 mg/l
TSS, Monthly Avg.	002	November 2005	30 mg/l	30.31 mg/l
TRC, Daily Max.	002	November 2005	<0.1 mg/l	0.97 mg/l
TRC, Daily Max.	002	December 2005	<0.1 mg/l	0.99 mg/l
TRC, Daily Max.	002	January 2006	<0.1 mg/l	0.99 mg/l
TSS, Monthly Avg.	002	February 2006	30 mg/l	36.68 mg/l
TRC, Daily Max.	002	February 2006	<0.1 mg/l	0.97 mg/l
TRC, Daily Max.	002	March 2006	<0.1 mg/l	2.0 mg/l
TSS, Monthly Avg.	002	April 2006	30 mg/l	36.89 mg/l
TSS, Weekly Avg.	002	April 2006	45 mg/l	51.75 mg/l
TRC, Daily Max.	002	April 2006	<0.1 mg/l	0.95 mg/l
TRC, Daily Max.	002	May 2006	<0.1 mg/l	0.98 mg/l
TRC, Daily Max.	002	June 2006	<0.1 mg/l	0.89 mg/l
TRC, Daily Max.	002	July 2006	<0.1 mg/l	1.1 mg/l
TRC, Daily Max.	002	August 2006	<0.1 mg/l	1.1 mg/l
Fecal Coliform, Weekly Avg.	002	September 2006	400 cfu/100 ml	424.26 cfu/100 ml
TRC, Daily Max.	002	September 2006	<0.1 mg/l	1.4 mg/l
TRC, Daily Max.	002	October 2006	<0.1 mg/l	0.18 mg/l
TRC, Daily Max.	002	November 2006	<0.1 mg/l	0.16 mg/l
Fecal Coliform, Weekly Avg.	002	December 2006	400 cfu/100 ml	412.31 cfu/100 ml
TRC, Daily Max.	002	December 2006	<0.1 mg/l	1.66 mg/l
TSS, Monthly Avg.	002	January 2007	375 lbs/day	520.23 lbs/day
Fecal Coliform, Weekly Avg.	002	January 2007	400 cfu/100 ml	724.57 cfu/100 ml
TRC, Daily Max.	002	January 2007	<0.1 mg/l	0.74 mg/l
TRC, Daily Max.	002	February 2007	<0.1 mg/l	1.47 mg/l
Fecal Coliform, Weekly Avg.	002	March 2007	400 cfu/100 ml	1,151.06 cfu/100 ml
TRC, Daily Max.	002	March 2007	<0.1 mg/l	0.94 mg/l
BOD_5, Weekly Avg.	002	April 2007	45 mg/l	71.8 mg/l
TRC, Daily Max.	002	April 2007	<0.1 mg/l	1.6 mg/l

XII. ADDITIONAL INFORMATION:

LDEQ reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future. Additional limitations and/or restrictions are based upon water quality studies and can indicate the need for advanced wastewater treatment. Water quality studies of similar dischargers and receiving water bodies have resulted in monthly average effluent limitations of 5mg/L $CBOD_5$ and 2 mg/L NH_3-N. Prior to upgrading or expanding this facility, the permittee should contact LDEQ to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

The nearest potable water industrial intakes include ORMET and Star Enterprises, located 5.6 and 7.3 river miles downstream from the discharge point, respectively.

Final effluent loadings (i.e. lbs/day) have been established based upon the permit limit concentrations and the design capacity of 1.5 MGD.

Effluent loadings are calculated using the following example:

BOD_5: 8.34 gal/lb x 1.5 MGD x 30 mg/l = 375 lbs/day

At present, the Monitoring Requirements, Sample Types, and Frequency of Sampling as shown in the permit are standard for facilities of flows between 1 MGD and 5 MGD.

Effluent Characteristics		Monitoring Requirements	
		Measurement Frequency	Sample Type
Flow		Continuous	Recorder
BOD_5		2/week	6 Hr. Composite
Total Suspended Solids		2/week	6 Hr. Composite
Fecal Coliform Bacteria		2/week	Grab
pH		2/week	Grab
Biomonitoring	Daphnia pulex	1/year	24 Hr. Composite
	Pimephales promelas	1/year	24 Hr. Composite
Toxic Substances		1/6 months	24 Hr. Composite

Pretreatment Requirements

Based upon consultation with LDEQ pretreatment personnel, general pretreatment language will be used due to the lack of either an approved or required pretreatment program.

Pollution Prevention Requirements

The permittee shall institute or continue programs directed towards pollution prevention. The permittee shall institute or continue programs to improve the operating efficiency and extend the useful life of the facility. The permittee will complete an annual Environmental Audit Report **each year** for the life of this permit according to the schedule below. The permittee will accomplish this requirement by completing an Environmental Audit Form which has been attached to the permit. All other requirements of the Municipal Wastewater Pollution Prevention Program are contained in Part II of the permit.

The audit evaluation period is as follows:

Audit Period Begins	Audit Period Ends	Audit Report Completion Date
Effective Date of Permit	12 Months from Audit Period Beginning Date	3 Months from Audit Period Ending Date

Stormwater Discharges

Because the design flow of the Donaldsonville Wastewater Treatment Facility is greater than 1.0 MGD and in accordance with LAC 33:IX.2511.B.14.i, the facility may contain storm water discharges associated with industrial activity. Therefore, in accordance with LAC 33:IX.2511.A.1.b, specific requirements addressing stormwater discharges will be included in the discharge permit.

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.

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