

**STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY**

**STATE REVOLVING LOAN FUND
WASTEWATER FACILITIES**

**LOAN PRE-APPLICATION
St. Charles Parish, Louisiana**



**Louisiana Department of Environmental Quality
Office of The Secretary
P. O Box 4301
Baton Rouge, LA 70821-4301**

Part A: General Information

1. Applicant Name: St. Charles Parish Council
and Address: P.O. Box 302, Hahnville, LA 70057

Authorized Representative
Name: V.J. St. Pierre
Title: Parish President
Telephone (985) 783-5000
Fax (985) 783-5005
E-mail: vj@stcharlesgov.net

2. Engineering Consultant
Name and Address
Environmental Engineering Services
610 Belle Terre Blvd., La Place, LA 70068
Contact Person: Oscar Boudreaux, Jr. P.E.

Telephone (985) 653-0185
Fax (985) 653-0182
E-mail: oboudreaux@eesinc.net

3. Bond Attorney: Jerry Osborne
Name and Address: Foley & Judell
One Canal Place, Suite 2600
365 Canal St., New Orleans, LA 70130-1138
Contact Person: Jerry Osborne

Telephone (504) 568-1249
Fax (504) 565-3900
Email: josborne@foleyjudell.com

4. Other Consultant/Attorney/ Financial Advisor
Name and Address: Leon Vial, III
14999 River Road
P.O. Box 321, Hahnville, LA 70057
Contact Person: Leon C Vial III

Telephone (985) 783-6618
Fax (985) 783-5043
Email:svial@stcharlesgov.net

5. Population of project area (current census) 11,512 6. Current average sewer bill \$36.49
7. Annual median household income \$56,114, data source 2000 US Census Bureau
8. Parish(es) St. Charles Parish Congressional District(s) 3

Part B: Certification

Please include a resolution adopted by the governing body of the municipality authorizing the above named official, and his/her predecessors, to submit the pre-application and other information that may be requested.

Signature of official authorized representative _____

Title of official authorized representative Parish President Date _____

Part C: Existing Facilities (for priority rating purposes)

Complete the following information for **each** wastewater treatment plant in the project area.

Name of treatment plant: Luling Wastewater Treatment Plant

1. List the processes of the treatment plant from head works through discharge. (Include solids treatment and disposals.)
- a. Influent Pump Station
 - b. Aerated and Facultative Lagoon
 - c. Tertiary Filters
 - d. UV Disinfection

2. Please attach a copy of your current permit (if available).

Effluent conditions	Design	Average performance (from last 12 month's DMR's)	Required limits from permit or WQM Plan	Number of violations for the last 12 months	Limit type (monthly average)
Average daily flow	3.2	1.58	(Record)	0	MGD
BOD ₅ /CBOD ₅	200 mg/l	27	30	3	mg/l
BOD ₅ /CBOD ₅	5338#	354	801	1	lb/day
TSS	200 mg/l	36	90	0	mg/l
TSS	5338#	490	2402	0	lb/day
Fecal Coliform	200/400	3/3	200/400	0	no./100ml
NH ₃ /N	-	-	-	-	mg/l
NH ₃ /N	-	-	-	-	lb/day
D.O.	-	-	-	-	mg/l
Chlorine Residual	-	0.077	0.099	0	mg/l
Other (state) ph	6/9	6.9/7.6	6.9	0	

3. Population equivalent served: Design 32,000 Actual 15,800

4. Permit number: LA0032131

Permit expiration date 2/1/13 Have you filed for a new/renewal permit application (yes ___ no) If yes date sent to LDEQ _____

5. Year of construction or last major renovation of treatment plant 1994

6. If no permit attached please include "See Attached Permit"

	Latitude	Longitude
Plant Entrance		
Discharge	29° - 52' - 43"	90° - 21' - 33"

7. Receiving stream: Luling Wetland

Part C: Existing Facilities continued

Collection system serving this treatment plant only:

8. Please give a narrative description of collection system. Please include the age of the system and/or the major subsystems, and types of piping. Are there frequent overflows and/or bypasses in the system? Do there appear to be problems with excessive infiltration and/or inflow in the system?

Portions of the existing gravity sewer system was installed in the 1950's. Since that time as the growth of the Parish increased, additional gravity sewer was added. Today, this portion of the Parish which delivers its wastewater to the Luling Wastewater Treatment Plant has miles of gravity sewer with approximately 60 pumping stations.

Due to the age of the gravity system and the close proximity to the Mississippi River, the collection system has a high rate of infiltration and inflow. On occasion due to clogged gravity sewer lines or lost of power to pumping stations, the gravity sewer will experience SSO's. This occurs approximately twenty (20) time per year.

9. Is this treatment plant and/or collection system presently subject to any state or federal enforcement actions? (Yes/No)
If yes, please state what type of enforcement action and reason for non-compliance.

None at this time

Part D: Non-Point Source and Estuary Projects

1. Describe the proposed non-point source or estuary project:

No projects are proposed for non-point sources. The discharge from the Luling Lagoon current discharges into existing wetlands.

Part E: Proposed Project

1. Describe the proposed project. If treatment plant construction is proposed, give the design average daily flow (MGD) and effluent limits. If the project is to construct a new treatment plant, the proposed receiving stream and discharge location should be given (if known). If a current discharge is to be relocated, please provide as many details as possible.

Project shall include:

(1) The upgrade for the existing Luling Lagoon. This upgrade will consist of developing the existing 7.5 acre cell at the end of the existing facility and installing surface aerators. Also included is an outfall structure, separation curtains, and influent piping.

(2) Upgrade to the St. Charles Ridge Road, Parts House, Monsanto, Monsanto Park, and Loupe Pump Stations so as to comply with the State Sanitary Code. Included will be two force mains.

2. For the project described above, give the estimated construction cost for each of the following categories:

Secondary treatment	Category I	\$ 1,600,000
Advanced treatment	Category II	\$
Infiltration/Inflow Correction	Category IIIA	\$
Major Sewer System Rehab	Category IIIB	\$1,800,000
New Collector Sewers	Category IVA	\$
New Interceptor Sewers	Category IVB	\$
Non Point Source	Category VII	\$
Estuary Management	Category XI	\$
TOTAL:		\$

3. Total estimated project costs:

Total Construction Cost	\$3,400,000
Engineering Cost	\$ 250,000
Legal Cost	\$ 30,000
Other Costs (state)	\$ 50,000
Contingencies	\$ 440,000
Total Project Cost	\$4,170,000

4. What is the anticipated financing through SRF? \$4,200,000