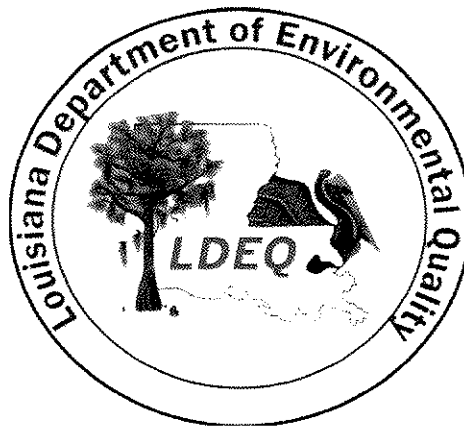


LOUISIANA

MUNICIPAL WATER POLLUTION PREVENTION

MWPP



Facility Name:

City of Hammond/South Slough
Wetland Wastewater
Assimilation Project

LPDES Permit Number:

LA0032328

Agency Interest (AI) Number:

19578

Address:

1801 Natchez St.

Hammond, LA 70404

Parish:

Tangipahoa

(Person Completing Form) Name:

H. Nathan Levy III

Title:

Contract Lab manager

Date Completed:

9/7/2021

INSTRUCTIONS

1. Complete only the sections of the Environmental Audit which apply to your wastewater treatment system. Leave sections that do not apply blank and enter a "0" for the point value.
2. Parts 1 through 7 contain questions for which points may be generated. These points are intended to communicate to the department and the governing body or owner what actions will be necessary to prevent effluent violations. Place the point totals from parts 1 through 7 on the Point Calculation page.
3. Add up the point totals.
4. Submit the Environmental Audit to the governing body or owner for review and approval.
5. The governing body must pass a resolution which contains the following items:
 - a. The resolution or letter must acknowledge the governing body or owner has reviewed the Environmental Audit.
 - b. This resolution must indicate specific actions, if any, will be taken to maintain compliance and prevent effluent violations. Proposed actions should address the parts where maximum or close to maximum points were generated in the Environmental Audit.
 - c. The resolution should provide any other information the governing body deems appropriate.

Permit #: **LA0032328**

PART 1: INFLUENT FLOW/LOADINGS (all plants)

A. List the average monthly volumetric flows and BOD loadings received at your facility during the last reporting year.

| | Column 1 Average Monthly Flow (million gallons per day, MGD) | | Column 2 Average Monthly BOD5 Concentration (mg/l) | | Column 3 Average Monthly BOD5 Loading (pounds per day, lb/day) |
|----|--|---|--|----------|--|
| 8 | 7.4 | x | 121 | x 8.34 = | 7467.64 |
| 9 | 5.7 | x | 81.9 | x 8.34 = | 3893.36 |
| 10 | 4.7 | x | 114.8 | x 8.34 = | 4499.93 |
| 11 | 4 | x | 133.8 | x 8.34 = | 4463.57 |
| 12 | 10 | x | 92.7 | x 8.34 = | 7731.18 |
| 1 | 11.2 | x | 95.1 | x 8.34 = | 8883.10 |
| 2 | 11.2 | x | 107.9 | x 8.34 = | 10078.72 |
| 3 | 9.8 | x | 97 | x 8.34 = | 7928.00 |
| 4 | 9 | x | 95.6 | x 8.34 = | 7175.74 |
| 5 | 8.9 | x | 92 | x 8.34 = | 6828.79 |
| 6 | 11.5 | x | 62.8 | x 8.34 = | 6023.15 |
| 7 | 13.6 | x | 63.1 | x 8.34 = | 7157.05 |

BOD loading = Average Monthly Flow (in MGD) x Average Monthly BOD concentration (in mg/l) x 8.34

B. List the design flow and design BOD loading for your facility in the blanks below. If you are not aware of these design quantities, refer to your Operation and Maintenance (O&M) Manual or contact your consulting engineer.

Design Flow, MGD:

7.33

x 0.90 =

6.597

Design BOD, lb/day:

9608

x 0.90 =

8647.2

Permit #: **LA0032328**

- C. How many months did the monthly flow (Column 1) to the wastewater treatment facility (WWTF) exceed 90% of design flow? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

| | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|----------|----|----|----|
| <i>months</i> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| <i>points</i> | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

Write 0 or 5 in the C point total box C Point Total

- D. How many months did the monthly flow (Column 1) to the WWTF exceed the design flow? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

| | | | | | | | | | | | | | |
|---------------|---|---|---|----|----|----|----|----|----|-----------|----|----|----|
| <i>months</i> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| <i>points</i> | 0 | 5 | 5 | 10 | 10 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

Write 0, 5, 10 or 15 in the D point total box D Point Total

- E. How many months did the monthly BOD loading (Column 3) to the WWTF exceed 90% of the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

| | | | | | | | | | | | | | |
|---------------|---|---|----------|---|---|----|----|----|----|----|----|----|----|
| <i>months</i> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| <i>points</i> | 0 | 0 | 5 | 5 | 5 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

Write 0, 5, or 10 in the E point total box E Point Total

- F. How many months did the monthly BOD loading (Column 3) to the WWTF exceed the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

| | | | | | | | | | | | | | |
|---------------|---|-----------|----|----|----|----|----|----|----|----|----|----|----|
| <i>months</i> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| <i>points</i> | 0 | 10 | 20 | 30 | 40 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |

Write 0, 10, 20, 30, 40 or 50 in the F point total box F Point Total

- G. Add together each point total for C through F and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 1: (max = 80)

Also enter this value or 80, whichever is less, on the point calculation table on page 16.

PART 2: EFFLUENT QUALITY / PLANT PERFORMANCE

- A. List the monthly average effluent BOD and TSS concentrations produced by your facility during the last reporting year.

| Month | Column 1 Average Monthly BOD (mg/l) | Column 2 Average Monthly TSS (mg/l) |
|----------------|---|---|
| August 2020 | 16.4 | 24.4 |
| September 2020 | 19.1 | 27.7 |
| October 2020 | 23.3 | 31.6 |
| November 2020 | 24.6 | 26.2 |
| December 2020 | 17.4 | 23.8 |
| January 2021 | 10.6 | 37 |
| February 2021 | 29.7 | 29 |
| March 2021 | 35.9 | 39.8 |
| April 2021 | 22.5 | 30.1 |
| May 2021 | 18.9 | 33.9 |
| June 2021 | 20.6 | 33.1 |
| July 2021 | 15 | 43.1 |

- B. List the monthly average permit limits for your facility in the blanks below.

| | Permit Limit | | 90% of Permit Limit |
|-----------|--------------|----------|------------------------|
| BOD, mg/l | 30 | x 0.90 = | 27.0 |
| TSS, mg/l | 90 | x 0.90 = | 81.0 |

Permit #: **LA0032328**

C. Continuous Discharge to Surface Water.

- i.** How many months did the effluent BOD (Column 1) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

| | | | | | | | | | | | | | |
|---------------|---|---|-----------|----|----|----|----|----|----|----|----|----|----|
| <i>months</i> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| <i>points</i> | 0 | 0 | 10 | 20 | 30 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |

Write 0, 10, 20, 30 or 40 in the i point total box i Point Total

- ii.** How many months did the effluent BOD (Column 1) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

| | | | | | | | | | | | | | |
|---------------|---|----------|---|----|----|----|----|----|----|----|----|----|----|
| <i>months</i> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| <i>points</i> | 0 | 5 | 5 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

Write 0, 5, or 10 in the ii point total box ii Point Total

- iii.** How many months did the effluent TSS (Column 2) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

| | | | | | | | | | | | | | |
|---------------|----------|---|----|----|----|----|----|----|----|----|----|----|----|
| <i>months</i> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| <i>points</i> | 0 | 0 | 10 | 20 | 30 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |

Write 0, 10, 20, 30 or 40 in the iii point total box iii Point Total

- iv.** How many months did the effluent TSS (Column 2) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

| | | | | | | | | | | | | | |
|---------------|----------|---|---|----|----|----|----|----|----|----|----|----|----|
| <i>months</i> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| <i>points</i> | 0 | 5 | 5 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

Write 0, 5, or 10 in the iv point total box iv Point Total

- v.** Add together each point total for i through iv and place this sum in the box below at the right.

TOTAL POINT VALUE FOR PART 2: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

Permit #: **LA0032328**

D. Other Monitoring and Limitations

i. At any time in the past year was there an exceedance of a permit limit for other pollutants such as: ammonia-nitrogen, phosphorus, pH, total residual chlorine, or fecal coliform?

√ Check one box. Yes No *If Yes, Please describe:*

ii. At any time in the past year was there a "failure" of a Biomonitoring (Whole Effluent Toxicity) test of the effluent?

√ Check one box. Yes No *If Yes, Please describe:*

iii. At any time in the past year was there an exceedance of a permit limit for a toxic substance?

√ Check one box. Yes No *If Yes, Please describe:*

PART 3: AGE OF THE WASTEWATER TREATMENT FACILITY

- A. What year was the wastewater treatment facility constructed or last major expansion/improvements completed?

$$\begin{array}{rcccl}
 & & & 2006 & \\
 & & & \hline
 \text{Current Year} & - & \text{Answer to A} & = & \text{Age in years} \\
 \hline
 2021 & & 2006 & & 14 \\
 \hline
 \end{array}$$

Enter Age in Part C below.

- B. Check the type of treatment facility that is employed.

| | | FACTOR: |
|---------------|---|----------------|
| <u> </u> | Mechanical Treatment Plant (trickling filter, activated sludge, etc...) Specify Type: _____ | 2.5 |
| <u> X </u> | Aerated Lagoon | 2.0 |
| <u> </u> | Stabilization Pond | 1.5 |
| <u> </u> | Other Specify Type: _____ | 1.0 |

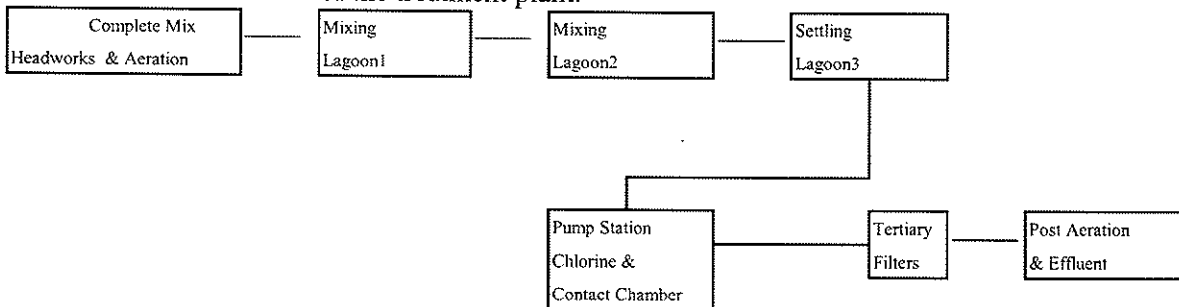
- C. Multiply the factor listed next to the type of facility your community employs by the age of your facility to determine the total point value for Part 3.

TOTAL POINT VALUE FOR PART 3 =

$$\frac{2}{\text{Factor}} \times \frac{14}{\text{Age}} = \boxed{28} \text{ (max = 50)}$$

Also enter this value or 50, whichever is less, on the point calculation table on page 16.

- D. Please attach a schematic of the treatment plant.



PART 4: OVERFLOWS AND BYPASSES

A.

- i. List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to heavy rain:

28 ✓ Check one box.

| | |
|--|---|
| <input type="checkbox"/> 0 = 0 points | <input type="checkbox"/> 3 = 15 points |
| <input type="checkbox"/> 1 = 5 points | <input type="checkbox"/> 4 = 30 points |
| <input type="checkbox"/> 2 = 10 points | <input checked="" type="checkbox"/> 5 or more = 50 points |

- ii. List the number of bypasses, overflows or unpermitted discharges shown in A (i) that were within the collection system and the number at the treatment plant

Collection System: 28 Treatment Plant: 0

B.

- i. List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to equipment failure, either at the treatment plant or due to pumping problems in the collection system:

0 ✓ Check one box.

| | |
|--|--|
| <input checked="" type="checkbox"/> 0 = 0 points | <input type="checkbox"/> 3 = 15 points |
| <input type="checkbox"/> 1 = 5 points | <input type="checkbox"/> 4 = 30 points |
| <input type="checkbox"/> 2 = 10 points | <input type="checkbox"/> 5 or more = 50 points |

- ii. List the number of bypasses, overflows or unpermitted discharges shown in B (i) that were within the collection system and the number at the treatment plant

Collection System: 0 Treatment Plant: 0

- C. Specify whether the bypasses came from the city/village/town sewer system or from contract or tributary communities/sanitary districts, etc...

Sewer System

- D. Add the point values checked for A and B and place the total in the box below.

TOTAL POINT VALUE FOR PART 4: 50 (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

- E. List the person responsible (name and title) for reporting overflows, bypasses or unpermitted discharges to State and Federal authorities:

Guy Palermo Plant Supervisor

Describe the procedure for gathering, compiling and reporting: City Hall receives a call to identify an overflow. Information is verified by Hammond Staff. A Overflow report is created by Guy Palermo or Lacy Lundrum. Report is then submitted to LA DEQ. These reports are attached in net DMR for approval of Administration then posting to net DMR for review by LDEQ.

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PART 5: SLUDGE STORAGE AND DISPOSAL SITES

A. Sludge Storage

How many months of sludge storage capacity does your facility have available, either on-site or off-site?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

| | | | | | |
|---------------|----|----|----|-----|--------------|
| <i>months</i> | <2 | 2 | 3 | 4-5 | >6 |
| <i>points</i> | 50 | 30 | 20 | 10 | 0 |

Write 0, 10, 20, 30 or 40 in the A point total box A Point Total

B. For how many months does your facility have access to (and approval for) sufficient land disposal sites to provide proper land disposal?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

| | | | | | |
|---------------|----|------|-------|-------|---------------|
| <i>months</i> | <2 | 6-11 | 12-23 | 24-35 | >36 |
| <i>points</i> | 50 | 30 | 20 | 10 | 0 |

Write 0, 10, 20, 30 or 40 in the B point total box B Point Total

C. Add together the A and B point values and place the sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5: (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

PART 6: NEW DEVELOPMENT

- A.** Please provide the following information for the total of all sewer line extensions which were installed during the last year.

Design Population: 29,200
 Design Flow: 7.33 MGD
 Design BOD: 300 mg/L

- B.** Has an industry (or other development) moved into the community or expanded production in the past year, such that either flow or pollutant loadings to the sewerage system were significantly increased (5% or greater)?

√ Check one box. Yes = 15 points No = 0 points

If Yes, Please describe:

List any new pollutants:

None

- C.** Is there any development (industrial, commercial or residential) anticipated in the next 2-3 years, such that either flow or pollutant loadings to the sewerage system could significantly increase?

√ Check one box. Yes = 15 points No = 0 points

If Yes, Please describe:

List any new pollutants you anticipate:

none

- D.** Add together the point value checked in B and C and place the sum in the box below.

TOTAL POINT VALUE FOR PART 6: 0 (max = 30)

Also enter this value or 30, whichever is less, on the point calculation table on page 16.

PART 7: OPERATOR CERTIFICATION AND EDUCATION

A. What was the name of the operator-in-charge for the reporting year?

Name: Vernon Banks

B. What is his or her certification number:

Cert. #: 16-335

C. What level of certification is the operator-in-charge required to have to operate the wastewater treatment facility?

Level Required: Class 4

D. What is the level of certification of the operator-in-charge?

Level Certified: Class 4

E. Was the operator-in-charge of the report year certified at least at the grade level required in order to operate this plant?

√ Check one box. Yes = 0 points No = 50 points

Write 0 or 50 in the E point total box 0 E Point Total

F. Has the operator-in-charge maintained recertification requirements during the reporting year?

√ Check one box. Yes No

G. How many hours of continuing education has the operator-in-charge completed over the last two calendar years?

√ Check one box. > 12 hours = 0 points < 12 hours = 50 points

Write 0 or 50 in the G point total box 0 G Point Total

H. Is there a written policy regarding continuing education an training for wastewater treatment plant employees?

√ Check one box. Yes No

Explain: All operators must become certified to level required within reasonable

time frame. City pays for all operator training and educational hours

I. What percentage of the continuing education expenses of the operator-in-charge were paid for:

By the permittee? 100 % By the operator? 0 %

J. Add together the E and G point vaules and place the sum in the box below at the right.

TOTAL POINT VALUE FOR PART 7: 0 (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

PART 8: FINANCIAL STATUS

A. Are User-Charge Revenues sufficient to cover operation and maintenance expenses?

√ Check one box. Yes No *If No, How are O&M costs financed?*

B. What financial resources do you have available to pay for your wastewater improvements and reconstruction needs?

In addition to sewer connection, impact and treatment fees, the city has an Enterprise Fund established for water and sewer revenues and expenses. A user fee collected monthly along with water/sewer monthly collections are revenue sources. The Sales Tax Fund is available for construction projects, but discouraged to ensure that the water and sewer revenues adequately fund water and sewer projects and routine operations and maintenance.

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

- i. Describe what sewer system maintenance work has been done in the last year.

Routine Sewer System Evaluation Survey (SSES) and cleaning/TV lines to find intrusions. Lining of existing pipes in several subdivisions, downtown, and SLU area. Ongoing \$675k rehabilitation of collection system (I/I work) in older area of city.

- ii. Describe what lift station work has been done in the last year.

Continuous repairs and maintenance of infrastructure is done as needed. Upgraded Lift Stations #27 at Oak Hollow and #19 at IHOP.

- iii. What collection system improvements does the community have under construction for the next 5 years?

Inflow and infiltration on the collection system is ongoing in addition to \$2.1 million upgrade to the treatment facility to increase capacity, aeration and detention time, funded through the Clean Water Revolving Loan Fund. Completion expected Q2 2022.

New grinder tube to be installed at Lift Station #8 Phoenix Square. A new Lift Station to be installed at Waters and Bauerle. A Planned upgrade to Lift Station #28 at Chevron Gas Station.

B. If you have ponds please answer the following questions:

√ Check one box.

- | | | | | | |
|-------|---|-------------------------------------|-----|-------------------------------------|----|
| i. | <i>Do you have duckweed buildup in the ponds?</i> | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| ii. | <i>Do you mow the dikes regularly (at least monthly), to the waters edge?</i> | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| iii. | <i>Do you have bushes or trees growing on the dikes or in the ponds?</i> | <input type="checkbox"/> | Yes | <input checked="" type="checkbox"/> | No |
| iv. | <i>Do you have excess sludge buildup (> 1foot) on the bottom of any of your ponds?</i> | <input type="checkbox"/> | Yes | <input checked="" type="checkbox"/> | No |
| v. | <i>Do you excersise all of your valves?</i> | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| vi. | <i>Are your control manholes in good structural shape?</i> | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| vii. | <i>Do you maintain at least 3 feet of freeboard in all of your ponds?</i> | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| viii. | <i>Do you visit your pond system at least weekly?</i> | <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | No |

C. Treatment Plants

i. Have the influent and effluent flow meters been calibrated in the last year?

Yes No (✓ Check one box.)

NA
Influent flow meter calibration date(s)

July 28, 2021
Effluent flow meter calibration date(s)

ii. What problems, if any, have been experienced over the last year that have threatened treatment?

Insufficient Aeration, short-circuiting of influent to effluent discharged due to high flow caused by very high rainfall on the first two quarters of 2021. This reduced the contact time within the treatment system resulting in elevated test results.

iii. Is your community presently involved in formal planning for treatment facility upgrade?

✓ Check one box. Yes No *If Yes, Please describe:*

The community elected in November 2019 to approve the drawdown of a \$2.1 million CWSRL fund to upgrade the treatment facility. The plans include adding aerators and a new pond that will increase capacity to 8 MGD. It will also improve detention time and overall aeration. Ongoing Construction scheduled for completion in the second quarter of 2022.

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D. Preventive Maintenance

- i. Does your plant have a written plan for preventive maintenance on major equipment items?

√ Check one box.

Yes

No

If Yes, Please describe:

Standard Operational Procedures

- ii. Does this preventive maintenance program depict frequency of intervals, types of lubrication and other preventive maintenance tasks necessary for each piece of equipment?

Yes

No

- iii. Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assured properly?

Yes

No

E. Sewer Use Ordinance

- i. Does your community have a sewer use ordinance that limits or prohibits the discharge of excessive conventional pollutants (BOD, TSS or pH) or toxic substances to the sewer system from industries, commercial users and residences?

√ Check one box.

Yes

No

If Yes, Please describe:

Ordinance is posted for public viewing available on the City of Hammond Website. Copy is attached.

- ii. Has it been necessary to enforce?

√ Check one box.

Yes

No

If Yes, Please describe:

Prarie Foods (formaly Dean Foods), Dairy Processing Plant, and North Oak Hospital

- iii. Any additional comments about your treatment plant or collection system? (Attach additional sheets if necessary.)

Permit #:

LA0032328

POINT CALCULATION TABLE

| | Actual Values | Maximum |
|---|----------------------|----------------|
| Part 1: <i>Influent Flow/Loadings</i> | <u>35</u> | 80 points |
| Part 2: <i>Effluent Quality / Plant Performance</i> | <u>15</u> | 100 points |
| Part 3: <i>Age of WWTF</i> | <u>28</u> | 50 points |
| Part 4: <i>Overflows and Bypasses</i> | <u>50</u> | 100 points |
| Part 5: <i>Ultimate Disposition of Sludge</i> | <u>0</u> | 100 points |
| Part 6: <i>New Development</i> | <u>0</u> | 30 points |
| Part 7: <i>Operator Certification Training</i> | <u>0</u> | 100 points |

TOTAL POINTS:

128

ATTACHMENT 3

SAMPLE MWPP RESOLUTION

Resolved that the village/town/city of Hammond, LA informs the Louisiana Department of Environmental Quality that the following actions were taken by thr City Council of the The City of Hammond.

1. Resolved the Municipal Water Pollution Prevention Environmental Audit Report which is attached to this resolution.
2. Set forth the following actions necessary to maintain permit requirements contained in the Louisiana Pollution Discharge Elimination System (LPDES) permit, number LA0032328.

(Please be specific in listing the actions that will be taken to address the problems identified in the audit report.)

- a. Lift Station Upgrades
- b. Lift Station Additions
- c. Continuing INI & SSESS
- d. Pond and Plant expansion by adding a Lagoon.

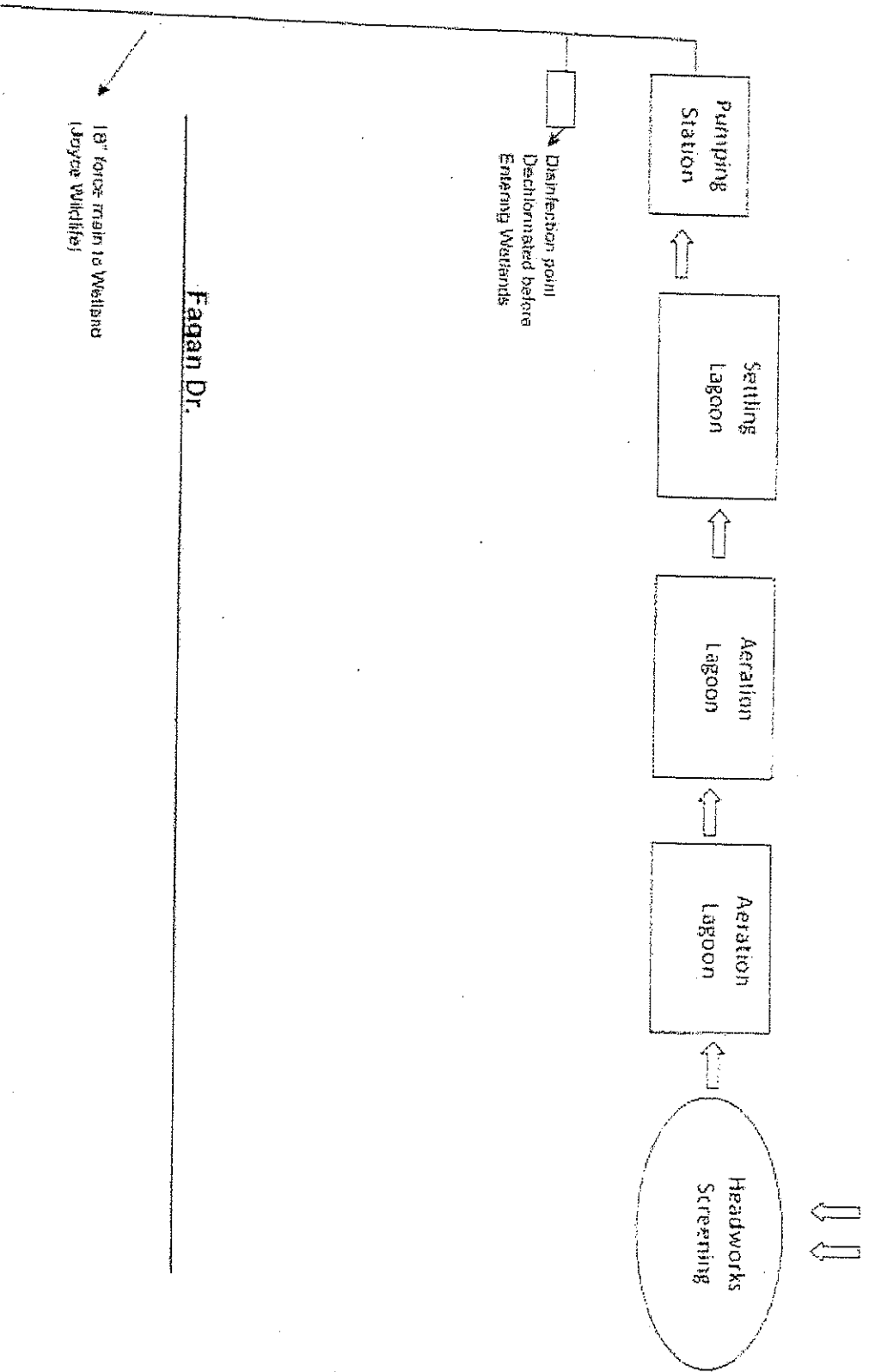
etc..

Passed by a majority/unanimous (circle one) vote of the _____
on _____ (date).

CLERK

TREATMENT PLANT SCHEMATIC

City of Hammond South Slough Wastewater Treatment Plant



ORDINANCE NO. 01- 2822, C.S.

AN ORDINANCE REGULATING THE USE OF PUBLIC AND PRIVATE SEWERS AND DRAINS; WATER SYSTEMS, PRIVATE SEWAGE DISPOSAL, THE INSTALLATION AND COLLECTION OF UTILITIES, AND THE DISCHARGE OF WATERS AND WASTES INTO THE PUBLIC SEWER SYSTEM(S); AND PROVIDING PENALTIES FOR VIOLATIONS THEREOF

Be it ordained and enacted by the Council of the City of Hammond, State of Louisiana as follows:

ARTICLE I

Definitions

Unless the context specifically indicates otherwise, the meaning of terms used in this ordinance shall be as follows:

Annual Bond Principal and Interest Payments, All of those funds that are paid to retire bonded indebtedness and the interest on those bonds that are the liabilities of the Water and Sewer Department.

Apartment, One of two or more self-contained dwelling units under a common roof. Will be billed as a commercial customer if they are served by a common master meter.

Audit Period, Standard fiscal year of operation. This is normally from July 1 of one (1) year until June 30 of the following year, but may be changed upon recommendation of the Independent Auditor and approval by the Council and the State Legislative Auditor.

BOD (denoting Biochemical Oxygen Demand), The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at 20 degrees C, expressed in milligrams per liter.

Bond Reserve Payments, All of those required payments made into funds that are required to be held in reserve to insure payment of the particular Bond issues.

Building Drain, That part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste, and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five (5) feet (1.5 meters) outside the inner face of the building wall.

Building Sewer, The extension from the building drain to the public sewer or other place of disposal.

Calculation Period, The annual operating expenses shall be calculated based on the standard fiscal year of operation. This is normally from July 1 of one (1) year until June 30 the following year, but may be changed upon recommendation the designated Independent Auditor and approval by the Council.

Capital Improvements, Those improvements to the Sewer and Water system that are approved by the Council as part of the annual budget adoption procedure and are part of the normal Five Year Capital Outlay budget. This also includes those items that are purchased or constructed due to unforeseen circumstances or emergencies and were done with the knowledge and consent of the Council.

"CITY", Hammond, LA.

- 10/16/01
- Excursion,** Any variation from the limits imposed by the State DEQ discharge permit for the City of Hammond.
- Gallons Sold,** The total number of gallons of water sold to customers of record and whose consumption was metered and recorded.
- Garbage,** Solid wastes from the domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage, and sale of produce, excluding sewerage.
- Independent Auditor,** That outside auditing firm retained by the Council to perform the annual City audit.
- Industrial Wastes,** The liquid wastes from industrial manufacturing processes trade, or business as distinct from sanitary sewage.
- Natural Outlet,** shall mean any outlet into a watercourse, pond, ditch, lake, or other body of surface or ground water.
- Operating Expenses,** All expenses incurred as a result of the operation of the Sewer and Water Department as determined by generally accepted governmental accounting principals consistent with the intent of this ordinance and reported in the City's annual audited financial statements.
- Permit Limits,** The discharge parameters provided by the State Department of Environmental Quality to the City of Hammond in its discharge permit application.
- Person,** Any individual firm, company, association, society, corporation, or group as defined in Louisiana Civil Code Art 24.
- Ph,** The logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.
- Properly Shredded Garbage,** The wastes from the preparation, cooking, and dispensing food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half (1/2) inch (1.27 centimeters) in any direction.
- Public Sewer,** A sewer in which all owners of abutting properties have equal rights, and is controlled by public authority.
- Residential,** Location where people reside on a permanent basis. Apartment complex will be considered commercial if using a master meter.
- Sanitary Sewer,** A sewer that carries sewage and to which storm, surface, and ground waters are not intentionally admitted.
- Service Line - City maintenance responsibility,** The segment of sewer service line or lateral from the property line cleanout to the sewer main line. If no recognized cleanout exists at or within 2' of the property line/street right-of-way, the City assumes no service line maintenance responsibility.
- Service Line - Customer maintenance responsibility,** The segment of sewer service line or lateral from the customer structure(s) to the sewer main. If a recognized cleanout exists on the service line at or within 2' of the property line/street right-of-way, the customer assumes service line maintenance responsibility from the customer structure(s) to the property line cleanout; the City assumes line maintenance responsibility from the property line cleanout to the sewer main line.
- Sewage,** A combination of the water-carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface and storm waters as may be present.

ARTICLE III

Private Sewage Disposal

SECTION 1: Where a public sanitary or combined sewer is not available under the provisions of Article II, Section 4, the building sewer shall be connected to a private sewage disposal system complying with the provisions of this article, and the requirements of the Parish Sanitarian (Health Department).

SECTION 2: Before commencement of construction of a private sewage disposal system the owner shall first obtain a written permit signed by the Superintendent of the City Sewerage Department. The application for such permit shall be made on a form furnished by the City, which the applicant shall supplement by any plans, specifications, or other information as are deemed necessary by the Superintendent. A permit and inspection fee in accordance with Article VIII herein shall be paid to the City at the time the application is filed.

SECTION 3: A permit for a private sewage disposal system shall not become effective until the installation is completed to the satisfaction of the Superintendent. He shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the Superintendent when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within seventy-two (72) hours of the receipt of notice by the Superintendent, or as soon as possible to avoid delay. The Parish Sanitarian may also inspect such facilities.

SECTION 4: The type, capacities, location, and layout of a private sewage disposal system shall comply with all recommendations of the Department of Public Health of the State of Louisiana. No permit shall be issued for any private sewage disposal employing subsurface soil absorption facilities where the area of the lot is less than 15,000 square feet (1,393.5 square meters). No septic tank or cesspool shall be permitted to discharge to any natural drain outlet.

SECTION 5: At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in Article III, Section 4, a direct connection shall be made to the public sewer in compliance with this ordinance, and any septic tanks, cesspools and similar private sewage disposal facilities shall be abandoned and filled with suitable material.

SECTION 6: The owner shall operate and maintain the private sewage disposal facilities in a sanitary manner at all times and at no expense to the City.

SECTION 7: No statement contained in this article shall be construed to interfere with any additional requirements that may be imposed by the health officer of The City or State.

SECTION 8: When a public sewer becomes available, the building sewer shall be connected to said sewer within ninety (90) days and the private sewage disposal system shall be cleaned of sludge and filled with clean bank-run gravel or dirt.

ARTICLE IV

Water & Sewer Connections, Tie-ins

SECTION 1: No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public water or sewer or appurtenance thereof without first obtaining a written permit from the Superintendent. Such connections must be completed to meet City standards and must be inspected by City personnel before covering such connections.

SECTION 2:

"Shall", is mandatory; "May", is permissive.

Slug. Any discharge of water, sewage or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour concentration or flows during normal operation.

Storm Drain, (sometimes termed "storm sewer") shall mean a sewer which carries storm and surface waters and drainage, but excludes sewage and industrial wastes, other than unpolluted cooling water.

Student Count, The sum of the number of student's registered at a particular public or private educational institution for the 9-month school year divided by 12 for the previous audit year. This Count shall be recalculated and changed once a year in September. (Rate differs for SLU)

Superintendent, The Superintendent of Water and Sewage Works of the City of Hammond, or his authorized deputy, agent, or representative.

Total Suspended Solids, Solids that either float on the surface of, or are in suspension in water, sewage, or other liquids, and which are removable by laboratory filtering, expressed in milligrams per liter.

Unit, A single family dwelling, portable buildings, an individual apartment, a separate business entity.

Un-funded Mandated Expenditures, Funds spent pursuant to an order of compliance or other regulation or court order that has been imposed on the City of Hammond by any regulatory agency or body empowered to regulate the operation of the Sewer and Water Department.

Water Only Meter, Meter which is installed for the consumption of water that is not discharged into the sewer system. (Example: lawn sprinkler system)

Watercourse, A channel in which a flow of water occurs, either continuously or intermittently.

ARTICLE II

Use of Public Sewers Required

SECTION 1: It shall be unlawful for any person to place, deposit, or permit to be deposited in any unsanitary manner on public or private property, or in any area under the jurisdiction of said City, any human or animal excrement, garbage, or other putrefied or non-putrefied waste.

SECTION 2: It shall be unlawful to discharge to any natural outlet, or in any area under the jurisdiction of said City, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this ordinance.

SECTION 3: Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool, or other facility intended or used for the disposal of sewage, where public sewer access is available in accordance with State, and Local law (see section 4 of Article II and section 1 of Article III below,).

SECTION 4: The owner of all houses, buildings, or properties used for human occupancy, employment, recreation, or other purposes, situated within the City and abutting on any street, alley, or right-of-way in which there is now located or to be located a public sewer,

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Permit: When it is necessary or advisable to break or cut into any of such mains for the purpose of making connections thereto, such work shall be done only by a qualified plumbing contractor qualified to follow such occupation under the laws of the state, and before doing so such qualified plumbing contractor shall make written application to the City of Hammond for permission, to make such connection, specifying in such application for whom he is making such connection, the exact place where same is to be made; the date and time when he intends to do such work, and stipulating therein that he will be liable to the City for any loss or damage that may be occasioned by his negligence or lack of skill in performing the contemplated connection. After receipt of such application, the mayor, after investigating into the proposed work and the qualifications of the applicant as a qualified plumbing contractor, if he is satisfied that the work is regular and that the applicant is a qualified plumbing contractor, shall issue a permit to him, authorizing him to perform such work at the time and as specified in the application.

Street Repair: For water or sewers lines located within the limits of paved streets or intersections, for which tapping of said lines by qualified plumbing contractors requires the removal of portions of street paving, either asphalt or concrete surfaces, qualified plumbing contractors shall at their own expense first remove existing street surfaces in a neat fashion such that the existing pavement is removed a width 12" wider on each side of the trench or excavation to be made to reach the sewer. Upon completion of the sewer or water tap and inspection of said work by the City's Sewer Superintendent, the qualified plumbing contractor shall backfill the entire excavation within the street and to a distance of five (5') feet beyond the street surface with clean granular material (sand), and the top 12" to be crushed limestone.

The contractor shall be charged a fee of \$10 per square foot for all pavement replacement, to be accomplished in the City.

For water or sewer lines located outside of existing street surfaces, but on the opposite side of the street from which service is desired the qualified plumbing contractor shall at his own expense bore under the street from pits located no closer than five (5') feet from the edge of existing streets. Should the sewer be located so near the street that a portion of street surface must be cut, the plumbing contractor shall repair excavation the same as outlined above for excavation into streets. The plumbing contractor shall be required to protect any excavations by timber sheeting if deemed necessary by the Sewer Superintendent to minimize the width and extent of excavations. Exhibit "A" "Street Repair Details, Water and Sewer Tap-ins" is attached and made a part hereby of this ordinance.

SECTION 3: There shall be two (2) classes of building sewer permits: (a) for residential and commercial service, and (b) for service to establishments producing industrial wastes. In either case, the owner or his agent shall make application on a special form furnished by the City. The permit application shall be supplemented by any plan, specifications, or other information considered pertinent in the judgment of the Superintendent. A permit and inspection fee for a residential or commercial building sewer permit and for an industrial building sewer permit shall be paid to the City at the time the application is filed. (See fees in Article IX, Section 3).

SECTION 4: All costs and expense incident to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify the City from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.

SECTION 5: A separate and independent building sewer and water line and tap shall be provided for every building; except where a building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, courtyard, or driveway. The building sewer from the front building may be extended to the rear building and the whole considered as one building sewer.

SECTION 6: Old building sewer and water lines may be used in connection with new buildings only when they are found to be in good condition.

SECTION 9: No person shall make connection of roof downspouts, exterior foundation drains, swimming pool drains, car wash drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain, which in turn is connected directly or indirectly to a public sanitary sewer.

SECTION 10: The connection of the building sewer or water tap into the public sewer or water line shall conform to the requirements of the building and plumbing code or other applicable rules and regulations of the City. All such connections shall be made gastight and watertight. Any deviation from the prescribed procedures and materials must be approved by the Superintendent before installation.

SECTION 11: The applicant for the building sewer and water permit shall notify the Superintendent when the building sewer and water is ready for inspection and connection to the public water or sewer system. The connection shall be made under the supervision of the Superintendent or his representative.

SECTION 12: Responsibility for tie-in, maintenance, and repair, or existing sewer service laterals shall be by the customer. At the customer's option, the City may assume maintenance responsibility of the service line from the sewer main line to the property line/right-of-way line, provided the customer properly installs a sewer cleanout at or within 2' of the property line. Acceptance by the City of said installation and resulting transfer of maintenance responsibility of the service line segment located within a public right-of-way shall be determined by compliance with the specifications as described in Section 4 through 11 of this article. It shall be the responsibility of the City Sewer Superintendent to keep a written log of the location(s) of clean-out(s) accepted by the City.

ARTICLE V

Use of the Public Sewers & Water

SECTION 1: No person shall discharge or cause to be discharged any storm water, surface water, ground water, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process water to any sanitary sewer.

SECTION 2: Storm water and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as combined sewers or storm sewers, or to a natural outlet approved by the Superintendent. Industrial cooling water or unpolluted process waters may be discharged, on approval of the Superintendent, to a storm sewer, combined sewer, or natural outlet.

SECTION 3: No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:

- (a) Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas.
- (b) Any waters or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or in interaction with other wastes to injure or interfere with the sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard to the receiving waters of the sewage treatment plant, including but not limited to cyanides in excess of two (2) mg/l as CN in the wastes as discharged to the public sewer.
- (c) Any waters or wastes having a pH lower than 5.5, or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the sewage works.
- (d) Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the

sewers, nature of the sewage treatment process, capacity of the sewage treatment process, degree of treat ability of wastes in the sewage treatment plant, and other pertinent factors.

The substances prohibited are:

- (a) Any liquid or vapor having a temperature higher than one hundred fifty (150 degrees F) (65 degrees C).
- (b) Any water or waste containing fats, wax, grease, or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two (32) and one hundred fifty (150 degrees F) (0 and 65 degrees C).
- (c) Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three-fourths (3/4) horsepower (0.76 hp metric) or greater shall be subject to the review and approval of the Superintendent.
- (d) Any waters or wastes containing strong acid iron pickling wastes, or concentrated plating solutions whether neutralized or not.
- (e) Any waters or wastes containing iron, chromium, copper, zinc, mercury, and similar objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such degree that any material received in the composite sewage at the sewage treatment works exceeds the limits established by the Superintendent for such materials.
- (f) Any waters or wastes containing phenols or other taste or odor producing substances, in such concentration exceeding limits which may be established by the Superintendent as necessary, after treatment of the composite sewage, to meet the requirements of the state, federal, other public agencies of the jurisdiction for such discharge to the receiving waters.
- (g) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Superintendent in compliance with applicable state or federal regulations.
- (h) Any waters or wastes having a pH in excess of 9.5.
- (i) Materials that exert or cause:
 - 1) Unusual concentrations of inert suspended solids (such as but not limited to, Fullers earth, lime slurries, and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate),
 - 2) Excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions),
 - 3) Unusual BOD, chemical oxygen demand ammonia concentration, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works in the determination of the Superintendent.
 - 4) Unusual volume of flow or concentration of wastes constituting "slugs" as defined herein.
- (j) Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.

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- (b) Require pretreatment to an acceptable condition for discharging to the public sewers,
 - (c) Require control over the quantities and rates of discharge, and/or
 - (d) Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges under the provisions of Section 10 of this article.

If the Superintendent permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the Superintendent and subject to the requirements of all applicable codes, ordinances, and laws.

SECTION 6: Grease, oil, and sand interceptors shall be provided when, in the judgment of the Superintendent, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand, or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the Superintendent, and shall be located as to be readily and easily accessible for cleaning and inspection.

SECTION 7: Where preliminary treatment or flow-equalizing facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense.

SECTION 8: For buildings within Zones "L", and "H", and if otherwise required by the Superintendent, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling, and measurement of the wastes. Such manhole, when required, shall be accessible and safely located, and shall be constructed in accordance with plans approved by the Superintendent. The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times.

SECTION 9: All measurements, tests, and analyses of the characteristics of water and wastes to which reference is made in this ordinance shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", published by the American Public Health Association, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb, and property. (The particular analyses involved will determine whether a twenty-four (24) hours composite of all outfalls of a premise is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and total suspended solids analyses are obtained from twenty-four (24) hour composites of all outfalls whereas pH's are determined from periodic grab samples.)

SECTION 10: No statement contained in this article shall be construed as preventing any special agreement or arrangement between the City and any industrial concern whereby, an industrial waste of unusual strength or character may be accepted by the City for treatment, subject to payment therefore, by the industrial concern.

ARTICLE VI