



Control Number: 49169



Item Number: 1

Addendum StartPage: 0



Application for Sale, Transfer, or Merger of a Retail Public Utility

Pursuant to Chapter 13.251 of the Texas Water Code

RECEIVED
OCT-4 PM 4:51
PUBLIC UTILITY COMMISSION
FILING CLERK

Docket Number: **49169**

(this number will be assigned by the Public Utility Commission after your application is filed)

7 copies of the application, including the original, along with one copy of the portable electronic storage medium (such as CD or DVD) containing the GIS data shall be filed with

Public Utility Commission of Texas
Attention: Filing Clerk
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326

No later than seven days after filing the application for the boundary change, provide a copy of each paper map and a portable electronic storage medium (such as CD, flash drive or DVD) containing complete and identical data to the portable electronic storage medium submitted above to

Texas Natural Resources Information System
1700 N. Congress Ave, Room B40
Austin, Texas 78701

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Part A – General Information

*RN# *CN# * (PRIOR TCEQ ID numbers)

Please See Attachment 'A'

1. Proposed action of application (check all the boxes that apply):

Sale of All Portion of the Water system(s) under CCN No.:
 Acquisition Sewer system(s) under CCN No.:
 Lease/Rental

Transfer of All Portion of the Certificated water service area – CCN No.:
 Certificated sewer service area – CCN No.:

If only a portion of a system or certificated service area is affected by this transaction, please specify the areas or subdivision involved:

and to:

Obtain a CCN for the transferee (purchaser) – indicate if purchaser will take the seller's CCN
 Amend the transferee's CCN No.:
 Merge or consolidate public utilities
 Cancel CCN of the transferor (seller)

2. Proposed effective date of this transaction:

(Must be at least 120 days after proper notice is provided)

Within 60 days of PUC approval

Part B – Current Service Provider or Seller Information

Questions 3 through 5 apply to the transferor (current service provider or seller)

3. For the current CCN holder or service provider please indicate:

A. Name:

(Individual, Corporation or Other Legal Entity)

who is a(n):of Individual Corporation WSC HOA or POA Other

B. Utility Name (if different than above):

Address: Telephone: (AC)

C. Contact person. Please provide information about the person to be contacted regarding this application. Indicate if this person is the owner, operator, engineer, attorney or accountant.

Name: Title:

Address: Telephone: (AC)

Fax: (713) 647-0277

Email: cthomas@undinellc.com

4. About the last rate increase for the system or facilities being transferred:

A. What was the effective date of the last rate increase?

Undine Texas has not filed a rate case

B. Was notice of this increase provided to the Public Utility Commission of Texas (commission or PUC) or a predecessor regulatory authority?

X No Yes- Application/Docket Number: n/a Date

5. Please provide a list of all customers affected by this transaction who have deposits held by the transferor or seller utility, if any, and include the following information (attach additional sheets if necessary):

| Name and Address of Utility Customer | Date of Deposit | Amount of Deposit | Amount of Unpaid Interest on Deposit |
|--------------------------------------|-----------------|-------------------|--------------------------------------|
| Please See Attachment 'B' | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Part C – Purchaser or Transferee Information

Questions 6 through 16 refer to the transferee or purchaser.

6. For the person or entity acquiring the facilities and/or CCN:

Applicant: Undine Texas Environmental, LLC

(Individual, Corporation, or Other Legal Entity)

Utility Name: Undine Texas Environmental, LLC

(If different than above)

Utility Address: 17681 Telge Rd, Houston, Texas 77429

Fax: (713) 647-0277 Email: cthomas@undinellc.com Telephone (AC): (713) 574-5953

CCN Numbers held prior to the filing of this application: 21019, 20816, 20832, 20627

7. Check the appropriate box and provide information regarding the legal status of the transferee applicant:

Individual

Home or Property Owners Association

X Partnership; attach copy of partnership agreement Please See Attachment 'C'

Corporation; provide charter number as recorded with the Office of the Secretary of State for

Texas:

Non-profit, member owned, member-controlled Cooperative Corporation (Article 1434(a) Water Sewer Service Corporation); provide charter number:

| | |
|--------------------------|---|
| <input type="checkbox"/> | Municipally owned utility District (MUD, SUD, WCID, etc.) |
| <input type="checkbox"/> | County |
| <input type="checkbox"/> | Other (please explain): _____ |

8. If the applicant is an *Individual* or sole proprietorship, provide the following information. If not, skip to the next question.

| | | | |
|-----------------|----|-----------|--|
| Name: | NA | Email: | |
| Address: | NA | | |
| Telephone (AC): | | Fax (AC): | |

9. If the applicant is other than an *Individual*, provide the following information regarding the officers or partners of the legal entity applying for the transfer. You must complete either question 8 or question 9, whichever applies to the transferee applicant. **Please See Attachment 'C'**

| | | | |
|-----------|--|------------------------------|-------|
| •Name: | | Telephone (AC): | |
| Address: | | | |
| Position: | | Ownership % (if applicable): | 0.00% |

| | | | |
|-----------|--|------------------------------|-------|
| •Name: | | Telephone (AC): | |
| Address: | | | |
| Position: | | Ownership % (if applicable): | 0.00% |

| | | | |
|-----------|--|------------------------------|-------|
| •Name: | | Telephone (AC): | |
| Address: | | | |
| Position: | | Ownership % (if applicable): | 0.00% |

| | | | |
|-----------|--|------------------------------|-------|
| •Name: | | Telephone (AC): | |
| Address: | | | |
| Position: | | Ownership % (if applicable): | 0.00% |

| | | | |
|-----------|--|------------------------------|-------|
| •Name: | | Telephone (AC): | |
| Address: | | | |
| Position: | | Ownership % (if applicable): | 0.00% |

| | | | |
|-----------|--|------------------------------|-------|
| •Name: | | Telephone (AC): | |
| Address: | | | |
| Position: | | Ownership % (if applicable): | 0.00% |

- Attach additional sheet(s) if necessary -

Important: • If the applicant is a for-profit corporation, please provide a copy of the corporation's "Certification of Account Status" from the State Comptroller Office. This "Certification of Account Status" can be obtained from: **Please See Attachment 'D'**

Texas Comptroller of Public Accounts

P. O. Box 13528, Capitol Station

Austin, Texas 78711

1-800-252-5555

- If the applicant is an Article 1434a water supply or sewer service corporation or other non-profit corporation, please provide a copy of the Articles of Incorporation and By-Laws.

10. Contact person. Please provide information about the person to be contacted regarding this application. Indicate if this person is the owner, operator, engineer, attorney or accountant.

| | | | |
|--------------------------------|--|-----------------|--------------------------------|
| Name: | Peter T. Gregg | Title: | Partner-Dubois Bryant&Campbell |
| Address: | 303 Colorado, Suite 2300 Austin, Texas 78701 | Telephone (AC): | (512) 457-8000 |
| Fax # | (512) 457-8008 | Email | pgregg@dbclp.com |
| Relationship to the applicant: | Attorney | | |

IF THERE ARE MORE THAN TWO PARTIES INVOLVED IN THIS TRANSACTION, PLEASE ATTACH SHEETS PROVIDING THE INFORMATION REQUIRED IN QUESTION 6 THROUGH QUESTION 10 FOR EACH PARTY

11. Please respond to each of the following questions. Attach additional sheets if necessary.

A. Describe the experience and qualifications of the applicant to provide adequate utility service to the requested area

| |
|---------------------------|
| Please See Attachment 'E' |
|---------------------------|

B. Has the applicant acquiring the CCN or facilities or an affiliated interest of the applicant been under enforcement action by the PUC, TCEQ, Texas Department of Health (TDH), the Office of the Attorney General (OAG) or the Environmental Protection Agency (EPA) in the past for noncompliance with rules, orders or State Statutes? Yes No

If yes, please attach copies of any correspondence with these regulatory agencies concerning these enforcement actions and describe any actions and efforts to comply with those requirements. Attach additional sheets if needed.

| |
|--|
| |
|--|

C. Describe the source and availability of funds required to make the planned or required improvements, if any, to meet minimum requirements of the TCEQ and PUC and ensure continuous and adequate service.

| |
|---|
| Undine Texas Environmental, LLC is funded through equity and/or bank financing. |
|---|

D. Describe the anticipated impact of this transaction on the quality of utility service and explain any anticipated changes in the quality of service.

Undine Texas Environmental, LLC intends to raise the standards of quality for: 1) customer service, 2) customer and regulatory communications, 3) all regulatory compliance issues.

E. How will the transaction serve the public interest?

The public will be better served through Undine Texas Environmental, LLC ownership of water and/or wastewater utilities due to the improvements to utility customer service and the improvements to operations and maintenance. The EPA reports to Congress state that the best possible future for small to midsize privately owned utilities is to be acquired by a larger more responsible provider that possesses the financial, managerial and technical experience to insure the system meets regulatory requirements.

12. Please describe the nature of the proposed transaction:

Undine Texas, LLC will transfer all utility assets listed in Attachment 'A' to Undine Texas Environmental, LLC

13. If the transferee applicant is an Investor Owned Utility (IOU) and will be under the rate jurisdiction of the PUC, please provide the following information. Water supply or sewer service corporations and political subdivisions of the state should mark this section N/A: Please See Attachment 'G'

A.

- Total Purchase Price:
- Total Original Cost (as recorded on books of seller or merging entity):
- Accumulated Depreciation as of the proposed effective date of the transaction:
- Contributions in Aid of Construction:
 - Specific surcharges approved by TCEQ or PUC:
 - Revenues from explicit customer agreements:
 - Developer Contributions (please explain):

None

- Other Contributions (please explain):

None

Total Contributions in Aid of Construction

• Net Book Value:

If the Original Cost or any of the above Items has been established in a rate case proceeding by the PUC, the TWC or the TCEQ, please provide the Application/Docket Number and date:

Application/Docket Number: Date:

If the applicant is not under the rate jurisdiction of the TCEQ, only the purchase price and information related to Contributions in Aid of Construction is required.

Please provide any other information concerning the nature of the transaction you believe should be given consideration if not explained elsewhere in the application.

[attach additional sheet(s) if necessary]:

The public will be better served through Undine Texas Environmental, LLC ownership of wastewater utilities due to the improvements to utility customer service and the improvements to operations and maintenance. The EPA reports to Congress state that the best possible future for small to mid-size privately owned utilities is to be acquired by a larger more responsible provider that possesses the financial, managerial and technical experience to insure the system meets regulatory requirements.

C. Complete the following proposed entries listed below as shown in books of purchasing (or surviving) company. Additional entries may be made; the following are suggested only, and not intended to pose descriptive limitations.

| | |
|------------------------------------|----------------------|
| Utility Plant in Service: | <input type="text"/> |
| Plant Acquisition Adjustment: | <input type="text"/> |
| Extraordinary Loss on Purchase: | <input type="text"/> |
| Accumulated Depreciation of Plant: | <input type="text"/> |
| Cash: | <input type="text"/> |
| Notes Payable: | <input type="text"/> |
| Mortgage Payable: | <input type="text"/> |
| Others (please list): | <input type="text"/> |

As the purchaser, I understand that it is my responsibility in any future rate proceeding to provide written evidence and support for the original cost and installation date of all facilities used and useful for providing utility service.

Purchaser's Initials: Date:

14. Please indicate the proposed effect of this transaction on the rates to be charged to the affected customers:

- All the customers will be charged the same rates as they were charged before the transaction.
- Some All customers will be charged different rates than they were charged before the transaction.

If rates are changing, please explain:

Not Applicable

Applicant is an IOU and intends to file with the commission or municipal regulatory authority an application to change rates of some/all of its customers as a result of this transaction. If so, please explain:

Not Applicable

Other. Please explain:

Not Applicable

15. List all neighboring water and /or sewer utilities, cities, and political subdivisions providing the same service within two (2) miles of area affected by this proposed transaction. This information should be available from the water utility database (WUD) or Applicant's licensed water operator.

Please See Attachment 'H'

16. Financial, Managerial and Technical information for the acquiring entity.

Please See Attachment 'G'

Part D – Historical Financial Information

| HISTORICAL BALANCE SHEETS | CURRENT YEAR (A) | A-1 YEAR | A-2 YEAR | A-3 YEAR | A-4 YEAR | A-5 YEAR |
|--|-------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| CURRENT ASSETS | | | | | | |
| Cash | | | | | | |
| Accounts Receivable | | | | | | |
| Inventories | | | | | | |
| Income Tax Receivable | | | | | | |
| Other | | | | | | |
| Total | | | | | | |
| FIXED ASSETS | | | | | | |
| Land | | | | | | |
| Collection/Distribution System | | | | | | |
| Buildings | | | | | | |
| Equipment | | | | | | |
| Other | | | | | | |
| Less: Accum. Depreciation or Reserves | | | | | | |
| Total | | | | | | |
| TOTAL ASSETS | | | | | | |
| CURRENT LIABILITIES | | | | | | |
| Accounts Payable | | | | | | |
| Notes Payable, Current | | | | | | |
| Accrued Expenses | | | | | | |
| Other | | | | | | |
| TOTAL | | | | | | |
| LONGTERM LIABILITIES | | | | | | |
| Notes Payable, Long-term | | | | | | |
| Other | | | | | | |
| TOTAL LIABILITIES | | | | | | |
| OWNER'S EQUITY | | | | | | |
| Paid in Capital | | | | | | |
| Retained Equity | | | | | | |
| Other | | | | | | |
| Current Period Profit or Loss | | | | | | |
| TOTAL OWNER'S EQUITY | | | | | | |
| TOTAL LIABILITIES AND EQUITY | | | | | | |
| WORKING CAPITAL | | | | | | |
| CURRENT RATIO | | | | | | |
| DEBT TO EQUITY RATIO EQUITY TO TOTAL ASSETS | | | | | | |

Please See Attachment 'G'

| HISTORICAL INCOME STATEMENT | CURRENT YEAR (A) | A-1 YEAR | A-2 YEAR | A-3 YEAR | A-4 YEAR | A-5 YEAR |
|------------------------------------|-------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| METER NUMBER | | | | | | |
| Existing Number of Taps | | | | | | |
| New Taps Per Year | | | | | | |
| Total Meters at Year End | | | | | | |
| METER REVENUE | | | | | | |
| Fees Per Meter | | | | | | |
| Cost Per Meter | | | | | | |
| Operating Revenue Per Meter | | | | | | |
| GROSS WATER REVENUE | | | | | | |
| Fees | | | | | | |
| Other | | | | | | |
| Gross Income | | | | | | |
| OPERATING EXPENSES | | | | | | |
| General & Administrative | | | | | | |
| Interest | | | | | | |
| Other | | | | | | |
| NET INCOME | | | | | | |

Please See Attachment 'G'

| HISTORICAL EXPENSE DETAIL | CURRENT YEAR (A) | A-1 YEAR | A-2 YEAR | A-3 YEAR | A-4 YEAR | A-5 YEAR |
|--|------------------|----------|----------|----------|----------|----------|
| GENERAL/ADMINISTRATIVE EXPENSES | | | | | | |
| Salaries | | | | | | |
| Office Expense | | | | | | |
| Computer Expense | | | | | | |
| Auto Expense | | | | | | |
| Insurance Expense | | | | | | |
| Telephone Expense | | | | | | |
| Utilities Expense | | | | | | |
| Depreciation Expense | | | | | | |
| Property Taxes | | | | | | |
| Professional Fees | | | | | | |
| Other | | | | | | |
| Total | | | | | | |
| % Increase Per Year | | | | | | |
| OPERATIONAL EXPENSES | | | | | | |
| Salaries | | | | | | |
| Auto Expense | | | | | | |
| Utilities Expense | | | | | | |
| Depreciation Expense | | | | | | |
| Repair & Maintenance | | | | | | |
| Supplies | | | | | | |
| Other | | | | | | |
| Total | | | | | | |
| % Increase Per Year | | | | | | |
| ASSUMPTIONS | | | | | | |
| Interest Rate/Terms | | | | | | |
| Utility Cost/gal. | | | | | | |
| Depreciation Schedule | | | | | | |
| Other | | | | | | |

Please See Attachment 'G'

Part E – Projected Information

PROJECTED BALANCE SHEETS

| | START UP | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | YEAR 5 |
|---------------------------------------|----------|--------|--------|--------|--------|--------|
| CURRENT ASSETS | | | | | | |
| Cash | | | | | | |
| Accounts Receivable | | | | | | |
| Inventories | | | | | | |
| Income Tax Receivable | | | | | | |
| Other | | | | | | |
| Total | | | | | | |
| FIXED ASSETS | | | | | | |
| Land | | | | | | |
| Collection/Distribution System | | | | | | |
| Buildings | | | | | | |
| Equipment | | | | | | |
| Other | | | | | | |
| Less: Accum. Depreciation or Reserves | | | | | | |
| Total | | | | | | |
| TOTAL ASSETS | | | | | | |
| CURRENT LIABILITIES | | | | | | |
| Accounts Payable | | | | | | |
| Notes Payable, Current | | | | | | |
| Accrued Expenses | | | | | | |
| Other | | | | | | |
| Total | | | | | | |
| LONGTERM LIABILITIES | | | | | | |
| Notes Payable, Long-term | | | | | | |
| Other | | | | | | |
| TOTAL LIABILITIES | | | | | | |
| OWNER'S EQUITY | | | | | | |
| Paid in Capital | | | | | | |
| Retained Equity | | | | | | |
| Other | | | | | | |
| Current Period Profit or Loss | | | | | | |
| TOTAL OWNER'S EQUITY | | | | | | |
| TOTAL LIABILITIES AND EQUITY | | | | | | |
| WORKING CAPITAL | | | | | | |
| CURRENT RATIO | | | | | | |
| DEBT TO EQUITY RATIO | | | | | | |
| EQUITY TO TOTAL ASSETS | | | | | | |

Please See Attachment 'G'

PROJECTED INCOME STATEMENT

| | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | YEAR 5 | TOTALS |
|------------------------------------|--------|--------|--------|--------|--------|--------|
| METER NUMBER | | | | | | |
| Existing Number of Taps | | | | | | |
| New Taps Per Year | | | | | | |
| Total Meters at Year End | | | | | | |
| METER REVENUE | | | | | | |
| Fees Per Meter | | | | | | |
| Cost Per Meter | | | | | | |
| Operating Revenue Per Meter | | | | | | |
| GROSS WATER REVENUE | | | | | | |
| Fees | | | | | | |
| Other | | | | | | |
| Gross Income | | | | | | |
| OPERATING EXPENSES | | | | | | |
| General & Administrative | | | | | | |
| Interest | | | | | | |
| Other | | | | | | |
| NET INCOME | | | | | | |

Please See Attachment 'G'

PROJECTED EXPENSE DETAIL

| | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | YEAR 5 | TOTALS |
|--|--------|--------|--------|--------|--------|--------|
| GENERAL/ADMINISTRATIVE EXPENSES | | | | | | |
| Salaries | | | | | | |
| Office Expense | | | | | | |
| Computer Expense | | | | | | |
| Auto Expense | | | | | | |
| Insurance Expense | | | | | | |
| Telephone Expense | | | | | | |
| Utilities Expense | | | | | | |
| Depreciation Expense | | | | | | |
| Property Taxes | | | | | | |
| Professional Fees | | | | | | |
| Other | | | | | | |
| Total | | | | | | |
| % Increase Per Year | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| OPERATIONAL EXPENSES | | | | | | |
| Salaries | | | | | | |
| Auto Expense | | | | | | |
| Utilities Expense | | | | | | |
| Depreciation Expense | | | | | | |
| Repair & Maintenance | | | | | | |
| Supplies | | | | | | |
| Other | | | | | | |
| Total | | | | | | |
| % Increase Per Year | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| ASSUMPTIONS | | | | | | |
| Interest Rate/Terms | | | | | | |
| Utility Cost/gal. | | | | | | |
| Depreciation Schedule | | | | | | |
| Other | | | | | | |

Please See Attachment 'G'

PROJECTED SOURCES AND USES OF CASH STATEMENTS

| | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | YEAR 5 | TOTALS |
|------------------------------------|--------|--------|--------|--------|--------|--------|
| SOURCES OF CASH | | | | | | |
| Net Income | | | | | | |
| Depreciation (If Funded) | | | | | | |
| Loan Proceeds | | | | | | |
| Other | | | | | | |
| Total Sources | | | | | | |
| USES OF CASH | | | | | | |
| Net Loss | | | | | | |
| Principle Portion of Pmts. | | | | | | |
| Fixed Asset Purchase | | | | | | |
| Reserve | | | | | | |
| Other | | | | | | |
| Total Uses | | | | | | |
| NET CASH FLOW | | | | | | |
| DEBT SERVICE COVERAGE | | | | | | |
| Cash Available for Debt | | | | | | |
| SERVICE (CADS) | | | | | | |
| Net Income (Loss) | | | | | | |
| Depreciation, or Reserve Interest | | | | | | |
| Total | | | | | | |
| REQUIRED DEBT SERVICE (RDS) | | | | | | |
| Principle Plus Interest | | | | | | |
| DEBT SERVICE COVERAGE RATIO | | | | | | |
| CADS Divided by RDS | | | | | | |

Part F – TCEQ Public Water or Sewer System Information

Please See Attachment 'H'

Please answer questions 17 through 22 on a different sheet for each physically Distinct system being transferred or acquired.

17. A. For Water Systems. TCEQ Public Water System Identification Number:

Date of last inspection:

B. For Wastewater Systems:

-TCEQ Discharge Permit Number: W Q -
 -Name of Permittee:
 -Date of application to transfer Discharge Permit submitted:
 -Date of application to transfer Discharge Permit approved by TCEQ:

18. A. Are any improvements required to meet TCEQ or PUC standards? Yes No. If yes, please explain:

B. Is there a moratorium on new connections? Yes No. If yes, please explain:

C. Provide details of each required major capital improvement to correct the deficiencies and meet the TCEQ or PUC standards (attach additional sheets if necessary):

| Description of the Required Improvement | Schedule to Complete | Estimated Cost |
|---|----------------------|----------------|
| | | |
| | | |
| | | |

19. Does the system being transferred operate within the city limits of a municipality or within district boundaries? Yes No

If yes, indicate the number of customers within the city limits or district boundaries:
 Water Sewer

Attach copy of franchise agreement or consent letter from the city or district.

20. Do you currently purchase water or sewer treatment capacity from another source? Yes No
 Water Sewer Purchased on a Regular Seasonal Emergency Basis

• Source: _____ % of total supply:

21. List the number of existing connections to be effected by this transaction.

| Water | | Sewer | |
|--------------------------|-----------|-------------------------|--|
| -Non Metered | -2" meter | -Residential Connection | |
| -5/8" or 3/4" meter | -3" meter | -Commercial Connection | |
| -1" meter | -4" meter | -Industrial Connection | |
| -1 1/2" meter | -Other | -Other | |
| Total Water Connections: | | Total Sewer Connections | |

22. Has the system reached 85% of its capacity based on TCEQ's minimum requirements? Yes No
 If yes, please explain what steps are being taken to address the capacity issues:

23. List the name, class, and license number of the operator(s) that will be responsible for the system:

| Name | Class | License# |
|--------------------|-------|----------|
| See Attachment 'J' | | |
| | | |
| | | |

24. Attach the following maps with each copy of the application:

Please See Attachment 'K'

- a. One small scale map clearly showing affected service area with enough detail to accurately locate the area if the application is for the transfer of all or a portion of a CCN.
- b. One large scale map showing the proposed service area boundaries being sold, transferred, or merged and, if available, the existing and proposed facilities. Color coding should be used to differentiate existing from proposed facilities. Facilities and service area boundaries should be shown with such exactness that they can be located on the ground. If transferring area not currently in a CCN or a portion of an existing CCN area please attach the following hard copy maps with each copy of the application:
 1. A general location map delineating the proposed service area with enough detail to accurately locate the proposed area within the county.
 2. A map showing only the proposed area by:
 - i. metes and bounds survey certified by a licensed state or registered professional land surveyor; or
 - ii. projectable digital data with metadata (proposed areas should be in a single record and clearly labeled, data disk should be included); or
 - iii. following verifiable natural and man-made landmarks, or
 - iv. a copy of recorded plat map with metes and bounds.
 3. A written description of the proposed service area.

Part G – Oaths and Notices

OATH FOR SELLER OR FORMER SERVICE PROVIDER

STATE OF Texas

COUNTY OF Harris

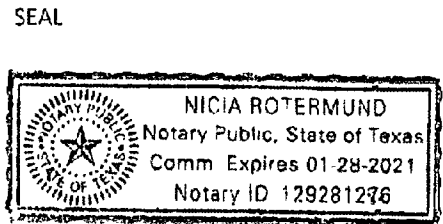
I, Carey A. Thomas, being duly sworn, file this application for sale, lease, rental or merger or consolidation as Vice President and Secretary (*indicate relationship to applicant*) that is, owner, member of partnership, title as officer of corporation, or other authorized representative of applicant; that, in such capacity, I am qualified and authorized to file and verify such application, am personally familiar with the documents filed with this application, and have complied with all the requirements contained in the application; and, that all such statements made and matters set forth therein with respect to applicant are true and correct. Statements about other parties are made on information and belief. I further state that the application is made in good faith and that this application does not duplicate any filing presently before the Commission.

I further state that I have provided to the purchaser or transferee a written disclosure statement about any contributed property as required under Section 13.301(j) and copies of any outstanding Orders of the Texas Commission on Environmental Quality, the Public Utility Commission of Texas, or Attorney General and have also complied with the notice requirements in Section 13.301(k) of the Texas Water Code.

Carey A. Thomas
AFFIANT
(Utility's Authorized Representative)

If the Affiant to this form is any person other than the sole owner, partner, officer of the Applicant, or its attorney, a properly verified Power of Attorney must be enclosed.

SUBSCRIBED AND SWORN TO BEFORE ME, a Notary Public in and for the State of Texas, this day 1st of February, 20 19.



Nicia Rotermund
NOTARY PUBLIC IN AND FOR THE
STATE OF TEXAS

Nicia Rotermund
PRINT OR TYPE NAME OF NOTARY

MY COMMISSION EXPIRES 1-28-2021

One copy of this page must be submitted for each utility involved in this transaction.

OATH FOR PURCHASER OR ACQUIRING ENTITY

STATE OF Texas

COUNTY OF Harris

I, Carey A. Thomas, being duly sworn, file this application for

sale, lease, rental or merger or consolidation as Vice President and Secretary
(indicate relationship to applicant) that is, owner, member of partnership, title as officer of corporation, or other authorized representative of applicant); that, in such capacity, I am qualified and authorized to file and verify such application, am personally familiar with the documents filed with this application, and have complied with all the requirements contained in the application; and, that all such statements made and matters set forth therein with respect to applicant are true and correct. Statements about other parties are made on information and belief. I further state that the application is made in good faith and that this application does not duplicate any filing presently before the Commission.

I am also authorized and do agree to be bound by and comply with any outstanding orders of the Texas Commission on Environmental Quality, the Public Utility Commission of Texas or the Attorney General which have been issued to the system or facilities being acquired and recognize that I will be subject to administrative penalties or other enforcement actions if I do not comply.

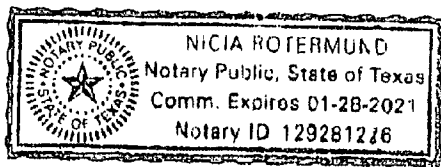
Carey A. Thomas
AFFIANT
(Utility's Authorized Representative)

If the Affiant to this form is any person other than the sole owner, partner, officer of the Applicant, or its attorney, a properly verified Power of Attorney must be enclosed.

Applicant represents that all other parties to this transaction have been furnished copies of this completed application.

SUBSCRIBED AND SWORN TO BEFORE ME, a Notary Public in and for the State of Texas, this
day 1st of February, 2019.

SEAL



Nicia Rotermund
NOTARY PUBLIC IN AND FOR THE
STATE OF TEXAS

Nicia Rotermund
PRINT OR TYPE NAME OF NOTARY

MY COMMISSION EXPIRES

1-28-2021

One copy of this page must be submitted for each utility involved in this transaction.

Notice to Current Customers, Neighboring Systems and Cities

Undine Texas, LLC 'S
(Seller's or Transferor's Name)

NOTICE OF INTENT TO SELL FACILITIES AND TRANSFER CERTIFICATE OF CONVENIENCE AND NECESSITY (CCN) NO 21106 TO Undine Texas Environmental, LLC

(Purchaser's or Transferee's Name)

IN Brazoria COUNTY, TEXAS

To: _____ Date Notice Mailed _____, 20 _____
(Name of Customer, Neighboring System or City)

(Address)

City State Zip

Undine Texas, LLC 17681 Telge Rd Houston Texas 77429
Sellers or Transferors' Name Address City/State/Zip Code

has submitted an application with the Public Utility Commission of Texas to sell facilities and transfer water or sewer (please select) CCN No. 21106 in Brazoria [County Name]

County to:

Undine Texas Environmental, LLC 17681 Telge Rd Houston Texas 77429
Purchasers or Transferee's Name Address City/State/Zip Code

The sale is scheduled to take place as approved by the Commission (V.T.C.A., Water Code §13.301). The transaction and the transfer of the CCN include the following subdivision(s):

Please See Attachment 'I'

The area subject to this transaction is located approximately _____ miles _____ [direction] of downtown _____, [City or Town] Texas, and is generally bounded on the north by _____, on the east by _____, on the south by _____, and on the west by _____

The total area being requested includes approximately _____ acres and serves _____ current customers. This transaction will have the following effect on the current customer's rates and services: This application will not change the customers rates

Affected persons may file written protests and/or request a public hearing within 30 days of this notice.

To request a hearing, you must:

- (1) state your name, mailing address and daytime telephone number;
- (2) state the applicant's name, application number or another recognizable reference to this application;
- (3) include the statement "I/we request a public hearing";
- (4) write a brief description of how you, the persons you represent, or the public interest would be adversely affected by the proposed transaction and transfer of the CCN; and
- (5) state your proposed adjustment to the application or CCN which would satisfy your concerns and cause you to withdraw your request for a hearing.

Only those persons who submit a written request to be notified of a hearing will receive notice if a hearing is scheduled. The Commission will issue the CCN requested in the referenced application unless a hearing is scheduled to consider the transaction. If no protests or requests for hearing are filed during the comment period, the Commission may issue the CCN 30 days after publication of this notice.

Persons who wish to protest or request a hearing on this application should write the:

Filing Clerk
Public Utility Commission of Texas
1701 North Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326

**Se desea informacion en Espanol, puede llamar al
1-888-782-8477**

Utility Representative

Utility Name

Notice to Current Customers, Neighboring Systems, Landowner and Cities

Undine Texas, LLC 'S NOTICE OF INTENT TO SELL FACILITIES TO
 (Seller's or Transferor's Name)

Undine Texas Environmental, LLC AND FOR Undine Texas Environmental, LLC
 (Purchaser's or Transferee's Name) Purchaser's or Transferee's Name)

TO OBTAIN OR AMEND A CERTIFICATE OF CONVENIENCE AND NECESSITY (CCN) IN
Brazoria COUNTY, TEXAS

To: _____ Date Notice Mailed _____, 20____
(Name of Customer, Neighboring System, Landowner or City)

 (Address)

 City State Zip

Undine Texas, LLC 17681 Telge Rd Houston Texas 77429
 Sellers or Transferors' Name Address City/State/Zip Code

has submitted an application with the Public Utility Commission of Texas to sell water or sewer (please select) Facilities in Brazoria [County Name] County to:

Undine Texas Environmental, LLC 17681 Telge Rd Houston Texas 77429
 Purchasers or Transferee's Name Address City/State/Zip Code

The transferee has also requested to obtain/amend a CCN in this application. The sale is scheduled to take place as approved by the Commission (Texas Water Code §13.301). The transaction and the proposed service area include the following subdivision(s):

Please See Attachment 'I'

The area subject to this transaction is located approximately _____ miles _____ [direction] of
 downtown _____, [City or Town] Texas, and is generally bounded on the north by
 _____; on the east by _____
 _____; on the south by _____; and on the west by _____

The total area being requested includes approximately _____ acres and serves _____ current customers.
 This transaction will have the following effect on the current customer's rates and services:
 This application will not change the customers rates

Affected persons may file written protests and/or request a public hearing within 30 days of this notice.

To request a hearing, you must:

- (1) state your name, mailing address and daytime telephone number;
- (2) state the applicant's name, application number or another recognizable reference to this application;
- (3) include the statement "I/we request a public hearing";
- (4) write a brief description of how you, the persons you represent, or the public interest would be adversely affected by the proposed transaction and transfer of the CCN; and
- (5) state your proposed adjustment to the application or CCN which would satisfy your concerns and cause you to withdraw your request for a hearing.

Only those persons who submit a written request to be notified of a hearing will receive notice if a hearing is scheduled. The Commission will issue the CCN requested in the referenced application unless a hearing is scheduled to consider the transaction. If no

protests or requests for hearing are filed during the comment period, the Commission may issue the CCN 30 days after publication of this notice.

Persons who wish to protest or request a hearing on this application should write the:

Filing Clerk
Public Utility Commission of Texas
1701 North Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326

**Se desea informacion en Espanol, puede llamar al
1-888-782-8477**

Utility Representative

Utility Name

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Application for Sale, Transfer, or Merger of a Retail Public Utility

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|---------------------------------------|---|
| Attachment 'A' | CCN Number, Subdivision Name(s), RN Number(s), Current Tariff |
| Attachment 'B' Confidential | Customer Name, Address, and Deposit Information |
| Attachment 'C' Confidential | Limited Liability Company Agreement Undine Texas Environmental, LLC and Organizational Chart |
| Attachment 'D' | Certificate of Account Status |
| Attachment 'E' Confidential | Evidence of Financial, Managerial and Technical, and Capabilities |
| Attachment 'F' Confidential | Written Consents, Bill of Sale and Assignment Agreement, Special Warranty Fee Deed |
| Attachment 'G' Confidential | Financial Information |
| Attachment 'H' | Individual Page 16 & 17 for Each System, and Inspection Reports |
| Attachment 'I' | CCN Maps to be Transferred with this Application, and CCN Descriptions |
| Attachment 'J' | Utilities within 2-Miles |
| Attachment 'K' | Operators Information |
| Attachment 'L' | Wastewater Discharge Permits |

Attachment 'A'

CCN Number, Subdivision Name, RN Number, Current Tariff

Undine Texas, LLC Sewer CCN System Information

Angle Acres Mobil Home Park

| | |
|-----------------|---------------|
| CN | 605397827 |
| CCN | 21106 |
| RN | 101609832 |
| TPDES Permit No | WQ0012420-001 |
| EPA ID Number | TX0088366 |
| Subdivision | Angle Acres |

Beechwood WWTP

| | |
|-----------------|---------------|
| CN | 605397827 |
| CCN | 21106 |
| RN | 101702470 |
| TPDES Permit No | WQ0012113-001 |
| EPA ID Number | TX0079260 |
| Subdivision | Beechwood |



Public Utility Commission of Texas

By These Presents Be It Known To All That
Undine Texas, LLC

having obtained certification to provide sewer utility service for the convenience and necessity of the public, and it having been determined by this Commission that the public convenience and necessity would in fact be advanced by the provision of such service, Undine Texas, LLC is entitled to this

Certificate of Convenience and Necessity No. 21106

to provide continuous and adequate sewer utility service to that service area or those service areas in Brazoria, Fort Bend, and Matagorda Counties as by final Order or Orders duly entered by this Commission, which Order or Orders resulting from Docket No. 46745 are on file at the Commission offices in Austin, Texas; and are matters of official record available for public inspection; and be it known further that these presents do evidence the authority and the duty of the Undine Texas, LLC, to provide such utility service in accordance with the laws of this State and Rules of this Commission, subject only to any power and responsibility of this Commission to revoke or amend this Certificate in whole or in part upon a subsequent showing that the public convenience and necessity would be better served thereby.

Issued at Austin, Texas, this 9TH day of JANUARY 2018.



**SEWER UTILITY TARIFF
Docket Number: 46745**

Undinc Texas, LLC.
(Utility Name)

10913 Metronome Dr.
(Business Address)

Houston, Texas 77043
(City, State, Zip Code)

(713) 574-5953
(Area Code/Telephone)

This tariff is effective for utility operations under the following Certificate of Convenience and Necessity:

21106

This tariff is effective in the following counties:

Brazoria, Fort Bend and Matagorda

This tariff is effective in the following cities or unincorporated towns (if any):

None

This tariff is effective in the following subdivisions or systems:

Angle Acres WWTP - TPDES # 0012420-001

Beechwood WWTP- TPDES # 0012113-001

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The above utility lists the following sections of its tariff (if additional pages are needed for a section, all pages should be numbered consecutively):

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| SECTION 1.0 -- RATE SCHEDULE..... | 2 |
| SECTION 2.0 -- SERVICE RULES AND POLICIES | 4 |
| SECTION 3.0 -- EXTENSION POLICY | 9 |

APPENDIX A -- SAMPLE SERVICE AGREEMENT

SECTION 1.0 -- RATE SCHEDULE

Section 1.01 - Rates

| <u>Meter Size</u> | <u>Monthly Base Rate</u> | <u>Gallorage Charge</u> |
|-------------------|-------------------------------------|--------------------------------|
| All Meters | <u>\$30.00</u> (Includes 0 gallons) | <u>\$3.00</u> per 1000 gallons |

Flat Rate \$47.01 for new service prior to establishment of winter months' average.

Volume charges are determined based on average consumption for winter period which includes The following months: December, January, and February

FORM OF PAYMENT: The utility will accept the following forms of payment:

Check X, Money Order X, Other (specify) Online Payment or Automatic Bank Draft
THE UTILITY MAY REQUIRE EXACT CHANGE FOR PAYMENTS AND MAY REFUSE TO ACCEPT PAYMENTS MADE USING MORE THAN \$1.00 IN SMALL COINS. A WRITTEN RECEIPT WILL BE GIVEN FOR CASH PAYMENTS.

REGULATORY ASSESSMENT..... 1.0%
PUC RULES REQUIRE THE UTILITY TO COLLECT A FEE OF ONE PERCENT OF THE RETAIL MONTHLY BILL AND TO REMIT TO THE TCEQ.

Section 1.02 - Miscellaneous Fees

TAP FEE.....\$600.00
TAP FEE COVERS THE UTILITY'S COSTS FOR MATERIALS AND LABOR TO INSTALL A STANDARD RESIDENTIAL 5/8" or 3/4" METER. AN ADDITIONAL FEE TO COVER UNIQUE COSTS IS PERMITTED IF LISTED ON THIS TARIFF.

TAP FEE (Unique costs)Actual Cost
FOR EXAMPLE, A ROAD BORE FOR CUSTOMERS OUTSIDE OF SUBDIVISIONS OR RESIDENTIAL AREAS.

TAP FEE (Large Connection Tap).....Actual Cost
TAP FEE IS THE UTILITY'S ACTUAL COST FOR MATERIALS AND LABOR FOR METER SIZE INSTALLED.

SECTION 1.0 – RATE SCHEDULE (Continued)

RECONNECTION FEE

THE RECONNECT FEE MUST BE PAID BEFORE SERVICE CAN BE RESTORED TO A CUSTOMER WHO HAS BEEN DISCONNECTED FOR THE FOLLOWING REASONS (OR OTHER REASONS LISTED UNDER SECTION 2.0 OF THIS TARIFF):

- a) Non payment of bill (Maximum \$25.00).....\$25.00
- b) Customer's request that service be disconnected\$50.00

TRANSFER FEE.....\$25.00

THE TRANSFER FEE WILL BE CHARGED FOR CHANGING AN ACCOUNT NAME AT THE SAME SERVICE LOCATION WHEN THE SERVICE IS NOT DISCONNECTED.

LATE CHARGE (EITHER \$5.00 OR 10% OF THE BILL)\$5.00

PUC RULES ALLOW A ONE-TIME PENALTY TO BE CHARGED ON DELINQUENT BILLS. A LATE CHARGE MAY NOT BE APPLIED TO ANY BALANCE TO WHICH THE PENALTY WAS APPLIED IN A PREVIOUS BILLING.

RETURNED CHECK CHARGE\$25.00

RETURNED CHECK CHARGES MUST BE BASED ON THE UTILITY'S DOCUMENTABLE COST.

CUSTOMER DEPOSIT RESIDENTIAL (Maximum \$50).....\$50.00

COMMERCIAL & NON-RESIDENTIAL DEPOSIT 1/6TH OF ESTIMATED ANNUAL BILL

GOVERNMENTAL TESTING, INSPECTION AND COSTS SURCHARGE:

WHEN AUTHORIZED IN WRITING BY PUC AND AFTER NOTICE TO CUSTOMERS, THE UTILITY MAY INCREASE RATES TO RECOVER INCREASED COSTS FOR INSPECTION FEES AND WATER TESTING. [16 TAC 24.21(b)(2)(F)]

LINE EXTENSION AND CONSTRUCTION CHARGES:

REFER TO SECTION 3.0--EXTENSION POLICY FOR TERMS, CONDITIONS, AND CHARGES WHEN NEW CONSTRUCTION IS NECESSARY TO PROVIDE SERVICE.

SECTION 2.0 -- SERVICE RULES AND POLICIES

The utility will have the most current Public Utility Commission of Texas (PUC or Commission) Rules relating to sewer utilities available at its office for reference purposes. The Rules and this tariff shall be available for public inspection and reproduction at a reasonable cost. The latest Rules or Commission approved changes to the Rules supersede any rules or requirements in this tariff.

Section 2.01 - Application for Sewer Service

All applications for service will be made on the utility's standard application or contract form (attached in the Appendix to this tariff), will be signed by the applicant, any required fees (deposits, reconnect, tap, extension fees, etc. as applicable) will be paid and easements, if required, will be granted before service is provided by the utility. A separate application or contract will be made for each service location.

Section 2.02 - Refusal of Service

The utility may decline to serve an applicant until the applicant has complied with the regulations of the regulatory agencies (state and municipal regulations) and for the reasons outlined in the commission rules. In the event that the utility refuses to serve an applicant, the utility will inform the applicant in writing of the basis of its refusal. The utility is also required to inform the applicant that a complaint may be filed with the Commission.

Section 2.03 - Fees and Charges & Easements Required Before Service Can Be Connected

(A) Customer Deposits

If a residential applicant cannot establish credit to the satisfaction of the utility, the applicant may be required to pay a deposit as provided for in Section 1.02 - Miscellaneous Fees of this tariff. The utility will keep records of the deposit and credit interest in accordance with the commission rules.

Residential applicants 65 years of age or older may not be required to pay deposits unless the applicant has an outstanding account balance with the utility or another water or sewer utility which accrued within the last two years.

Nonresidential applicants who cannot establish credit to the satisfaction of the utility may be required to make a deposit that does not exceed an amount equivalent to one-sixth of the estimated annual billings.

Refund of deposit - If service is not connected, or after disconnection of service, the utility will promptly refund the customer's deposit plus accrued interest or the balance, if any, in excess of the unpaid bills for service furnished. The utility may refund the residential customer's deposit at any time prior to termination of utility service but must refund the deposit plus interest for any residential customer who has paid 18 consecutive billings without being delinquent.

SECTION 2.0 -- SERVICE RULES AND POLICIES (Continued)

(B) Tap or Reconnect Fees

A new customer requesting service at a location where service has not previously been provided must pay a tap fee as provided in Section 1. A customer requesting service where service has previously been provided must pay a reconnect fee as provided in Section 1. Any applicant or existing customer required to pay for any costs not specifically set forth in the rate schedule pages of this tariff shall be given a written explanation of such costs prior to request for payment and/or commencement of construction. If the applicant or existing customer does not believe that these costs are reasonable or necessary, the applicant or existing customer shall be informed of their right to appeal such costs to the commission or such other regulatory authority having jurisdiction over the utility's rates in that portion of the utility's service area in which the applicant's or existing customer's property (ies) is located.

Fees in addition to the regular tap fee may be charged to cover unique costs not normally incurred as permitted by P.U.C. SUBST. R. 24.86(a)(1)(C) if they are listed on this approved tariff. For example, a road bore for customers outside a subdivision or residential area could be considered a unique cost.

(C) Easement Requirement

Where recorded public utility easements on the service applicant's property do not exist or public road right-of-way easements are not available to access the applicant's property, the utility may require the applicant to provide it with a permanent recorded public utility easement on and across the applicant's real property sufficient to provide service to that applicant. Such easement(s) shall not be used for the construction of production, storage, transmission or pressure facilities unless they are needed for adequate service to that applicant.

Section 2.04 - Utility Response to Applications for Service

After the applicant has met all the requirements, conditions and regulations for service, the utility will install tap and utility cut-off and/or take all necessary actions to initiate service. The utility will serve each qualified applicant for service within 5 working days unless line extensions or new facilities are required. If construction is required to fill the order and if it cannot be completed within 30 days, the utility will provide the applicant with a written explanation of the construction required and an expected date of service.

Except for good cause where service has previously been provided, service will be reconnected within one working day after the applicant has met the requirements for reconnection.

Section 2.05 - Customer Responsibility

The customer will be responsible for furnishing and laying the necessary customer service pipe from the tap location to the place of consumption. Customers will not be allowed to use the utility's cutoff.

SECTION 2.0 -- SERVICE RULES AND POLICIES (Continued)

Section 2.06 Access to Customer's Premises

All customers or service applicants shall provide access to utility cutoffs at all times reasonably necessary to conduct ordinary utility business and after normal business hours as needed to protect and preserve the integrity of the public drinking water supply.

Section 2.07 - Back Flow Prevention Devices

No water connection shall be made to any establishment where an actual or potential contamination or system hazard exists without an approved air gap or mechanical backflow prevention assembly. The air gap or backflow prevention assembly shall be installed in accordance with the American Water Works Association (AWWA) standards C510, C511 and AWWA Manual M14 or the University Of Southern California Manual Of Cross-Connection Control, current edition. The backflow assembly installation by a licensed plumber shall occur at the customer's expense.

The back flow assembly shall be tested upon installation by a recognized prevention assembly tester and certified to be operating within specifications. Back flow prevention assemblies which are installed to provide protection against high health hazards must be tested and certified to be operating within specifications at least annually by a recognized back flow prevention device tester. The maintenance and testing of the back flow assembly shall occur at the customer's expense.

Section 2.10 - Billing

(A) Regular Billing

Bills from the utility will be mailed monthly unless otherwise authorized by the Commission. The due date of bills for utility service will be at least sixteen (16) days from the date of issuance. The postmark on the bill or, if there is no postmark on the bill, the recorded date of mailing by the utility will constitute proof of the date of issuance. Payment for utility service is delinquent if full payment, including late fees and the regulatory assessment, is not received at the utility or the utility's authorized payment agency by 5:00 p.m. on the due date. If the due date falls on a holiday or weekend, the due date for payment purposes will be the next workday after the due date.

(B) Late Fees

A late penalty of either \$5.00 or 10.0% will be charged on bills received after the due date. The penalty on delinquent bills will not be applied to any balance to which the penalty was applied in a previous billing. The utility must maintain a record of the date of mailing to charge the late penalty.

(C) Information on Bill

Each bill will provide all information required by the commission rules. For each of the systems it operates, the utility will maintain and note on the monthly bill a local or toll-free telephone number (or numbers) to which customers can direct questions about their utility service.

SECTION 2.0 -- SERVICE RULES AND POLICIES (Continued)

(D) Prorated Bills

If service is interrupted or seriously impaired for 24 consecutive hours or more, the utility will prorate the monthly base bill in proportion to the time service was not available to reflect this loss of service.

Section 2.11- Payments

All payments for utility service shall be delivered or mailed to the utility's business office. If the business office fails to receive payment prior to the time of noticed disconnection for non-payment of a delinquent account, service will be terminated as scheduled. Utility service crews shall not be allowed to collect payments on customer accounts in the field.

Payment of an account by any means that has been dishonored and returned by the payer or payee's bank shall be deemed to be delinquent. All returned payments must be redeemed with cash or valid money order. If a customer has two returned payments within a twelve month period, the customer shall be required to pay a deposit if one has not already been paid.

Section 2.12 - Service Disconnection

(A) With Notice

Utility service may be disconnected if the bill has not been paid in full by the date listed on the termination notice. The termination date must be at least 10 days after the notice is mailed or hand delivered.

The utility is encouraged to offer a deferred payment plan to a customer who cannot pay an outstanding bill in full and is willing to pay the balance in reasonable installments. However, a customer's utility service may be disconnected if a bill has not been paid or a deferred payment agreement entered into within 26 days from the date of issuance of a bill and if proper notice of termination has been given.

Notice of termination must be a separate mailing or hand delivery in accordance with the commission rules.

(B) Without Notice

Utility service may also be disconnected without notice for reasons as described in the commission rules.

Section 2.13 - Reconnection of Service

Utility personnel must be available during normal business hours to accept payments on the day service is disconnected and the following day unless service was disconnected at the customer's request or due to a hazardous condition.

Service will be reconnected within 24 hours after the past due bill, reconnect fees and any other outstanding charges are paid or the conditions which caused service to be disconnected are corrected.

SECTION 2.0 -- SERVICE RULES AND POLICIES (Continued)

Section 2.14 - Service Interruptions

The utility will make all reasonable efforts to prevent interruptions of service. If interruptions occur, the utility will re-establish service within the shortest possible time. Except for momentary interruptions due to automatic equipment operations, the utility will keep a complete record of all interruptions, both emergency and scheduled and will notify the Commission in writing of any service interruptions affecting the entire system or any major division of the system lasting more than four hours. The notice will explain the cause of the interruptions.

Section 2.15 - Quality of Service

The utility will plan, furnish, and maintain and operate production, treatment, storage, transmission, and collection facilities of sufficient size and capacity to provide continuous and adequate service for all reasonable consumer uses and to treat sewage and discharge effluent of the quality required by its discharge permit issued by the Texas Commission of Environmental Quality (TCEQ). Unless otherwise authorized by the TCEQ, the utility will maintain facilities as described in the TCEQ's rules.

Section 2.16 - Customer Complaints and Disputes

If a customer or applicant for service lodges a complaint, the utility will promptly make a suitable investigation and advise the complainant of the results. Service will not be disconnected pending completion of the investigation. If the complainant is dissatisfied with the utility's response, the utility must advise the complainant that he has recourse through the commission's complaint process. Pending resolution of a complaint, the commission may require continuation or restoration of service.

The utility will maintain a record of all complaints which shows the name and address of the complainant, the date and nature of the complaint and the adjustment or disposition thereof, for a period of two years after the final settlement of the complaint.

In the event of a dispute between a customer and a utility regarding any bill for utility service, the utility will conduct an investigation and report the results to the customer. If the dispute is not resolved, the utility will inform the customer that a complaint may be filed with the Commission.

Section 2.17 - Customer Liability

Customer shall be liable for any damage or injury to utility-owned property shown to be caused by the customer.

SECTION 3.0 -- EXTENSION POLICY

Section 3.01 - Standard Extension Requirements

Line Extension and Construction Charges: No Contribution in Aid of Construction may be required of any customers except as provided for in this approved extension policy.

The utility is not required to extend service to any applicant outside of its certified service area and will only do so under terms and conditions mutually agreeable to the utility and the applicant, in compliance with commission rules and policies, and upon extension of the utility's certified service area boundaries by the commission.

The applicant for service will be given an itemized statement of the costs, options such as rebates to the customer, sharing of construction costs between the utility and the customer, or sharing of costs between the customer and other applicants prior to beginning construction.

Section 3.02 - Costs Utilities and Service Applicants Shall Bear

Within its certified area, the utility will pay the cost of the first 200 feet of any water main or distribution line necessary to extend service to an individual residential customer within a platted subdivision.

However, if the residential customer requesting service purchased the property after the developer was notified in writing of the need to provide facilities to the utility, the utility may charge for the first 200 feet. The utility must also be able to document that the developer of the subdivision refused to provide facilities compatible with the utility's facilities in accordance with the utility's approved extension policy after receiving a written request from the utility.

Residential customers will be charged the equivalent of the costs of extending service to their property from the nearest collection line even if that line does not have adequate capacity to serve the customer. However, if the customer places unique, non-standard service demands upon the system, the customer may be charged the additional cost of extending service to and throughout their property, including the cost of all necessary transmission and storage facilities necessary to meet the service demands anticipated to be created by that property.

Unless an exception is granted by the PUC, the residential service applicant shall not be required to pay for costs of main extensions greater than 6" in diameter for gravity wastewater lines.

Exceptions may be granted by the PUC if

- adequate service cannot be provided to the applicant using the maximum line sizes listed due to distance or elevation, in which case, it shall be the utility's burden to justify that a larger diameter pipe is required for adequate service;
- or larger minimum line sizes are required under subdivision platting requirements or building codes of municipalities within whose corporate limits or extraterritorial jurisdiction the point of use is located; or the residential service applicant is located outside the CCN service area.

SECTION 3.0 -- EXTENSION POLICY (Continued)

If an exception is granted, the utility shall establish a proportional cost plan for the specific extension or a rebate plan which may be limited to seven years to return the portion of the applicant's costs for oversizing as new customers are added to ensure that future applicants for service on the line pay at least as much as the initial service applicant.

For purposes of determining the costs that service applicants shall pay, commercial customers with service demands greater than residential customer demands in the certified area, industrial, and wholesale customers shall be treated as developers.

If an applicant requires service other than the standard service provided by the utility, such applicant will be required to pay all expenses incurred by the utility in excess of the expenses that would be incurred in providing the standard service and connection beyond 200 feet and throughout his property including the cost of all necessary transmission facilities.

The utility will bear the full cost of any over-sizing of sewer mains necessary to serve other customers in the immediate area. The individual residential customer shall not be charged for any additional treatment facilities. Contributions in aid of construction of individual residential customers for production, storage, treatment or transmission facilities unless otherwise approved by the Commission under this specific extension policy.

Section 3.03 - Contributions in Aid of Construction

Developers may be required to provide contributions in aid of construction in amounts sufficient to furnish the development with all facilities necessary to provide for reasonable local demand requirements and to comply with TCEQ minimum design criteria for facilities used in the production, collection, transmission, pumping, or treatment of sewage or TCEQ minimum requirements. For purposes of this subsection, a developer is one who subdivides or requests more than two meters on a piece of property. Commercial, industrial, and wholesale customers will be treated as developers.

Any applicant who places unique or non-standard service demands on the system may be required to provide contributions in aid of construction for the actual costs of any additional facilities required to maintain compliance with the TCEQ minimum design criteria for water production, treatment, pumping, storage and transmission.

Any service extension to a subdivision (recorded or unrecorded) may be subject to the provisions and restrictions of 16 TAC 2486(d). When a developer wishes to extend the system to prepare to service multiple new connections, the charge shall be the cost of such extension, plus a pro-rata charge for facilities which must be committed to such extension compliant with the TCEQ minimum design criteria. As provided by 16 TAC 24.85(e)(3), for purposes of this section, commercial, industrial, and wholesale customers shall be treated as developers.

SECTION 3.0 -- EXTENSION POLICY (Continued)

A utility may only charge a developer standby fees for unrecovered costs of facilities committed to a developer's property under the following circumstances:

- Under a contract and only in accordance with the terms of the contract; or
- if service is not being provided to a lot or lots within two years after installation of facilities necessary to provide service to the lots has been completed and if the standby fees are included on the utilities approved tariff after a rate change application has been filed. The fees cannot be billed to the developer or collected until the standby fees have been approved by the commission or executive director.
- For purposes of this section, a manufactured housing rental community can only be charged standby fees under a contract or if the utility installs the facilities necessary to provide individually metered service to each of the rental lots or spaces in the community.

Section 3.04 - Appealing Connection Costs

The imposition of additional extension costs or charges as provided by Sections 3.0 - Extension Policy of this tariff shall be subject to appeal as provided in this tariff, commission rules, or the rules of such other regulatory authority as may have jurisdiction over the utility's rates and services. Any applicant required to pay for any costs not specifically set forth in the rate schedule pages of this tariff shall be given a written explanation of such costs prior to payment and/or commencement of construction. If the applicant does not believe that these costs are reasonable or necessary, the applicant shall be informed of the right to appeal such costs to the commission or such other regulatory authority having jurisdiction over the utility's rates in that portion of the utility's service area in which the applicant's property(ies) is located.

Section 3.05 - Applying for Service

The utility will provide a written service application form to the applicant for each request for service received by the utility's business offices. A separate application shall be required for each potential service location if more than one service connection is desired by any individual applicant. Service application forms will be available at the utility's business office during normal weekday business hours. Service applications will be sent by prepaid first class United States mail to the address provided by the applicant upon request. Completed applications should be returned by hand delivery in case there are questions which might delay fulfilling the service request. Completed service applications may be submitted by mail if hand delivery is not possible.

Docket No. 46745

SECTION 3.0 -- EXTENSION POLICY (Continued)

Where a new tap or service connection is required, the service applicant shall be required to submit a written service application and request that a tap be made. A diagram, map, plat, or written metes and bounds description of precisely where the applicant desires each tap or service connection is to be made and, if necessary, where the meter is to be installed, along the applicant's property line may also be required with the tap request. The actual point of connection and meter installation must be readily accessible to utility personnel for inspection, servicing, and meter reading while being reasonably secure from damage by vehicles and mowers. If the utility has more than one main adjacent to the service applicant's property, the tap or service connection will be made to the utility's nearest service main with adequate capacity to service the applicant's full potential service demand. Beyond the initial 200 feet, the customer shall bear only the equivalent cost of extending from the nearest main. If the tap or service connection cannot be made at the applicant's desired location, it will be made at another location mutually acceptable to the applicant and the utility. If no agreement on location can be made, the applicant may refer the matter to the commission for resolution.

Section 3.06 - Qualified Service Applicant

A "qualified service applicant" is an applicant who has: (1) met all of the utility's requirements for service contained in this tariff, commission rules and/or order, (2) has made payment or made arrangement for payment of tap fees, (3) has provided all easements and rights-of-way required to provide service to the requested location, (4) delivered an executed customer service inspection certificate to the Utility, if applicable, and (5) has executed a customer service application for each location to which service is being requested.

The utility shall serve each qualified service applicant within its certified service area as soon as practical after receiving a completed service application. All service requests will be fulfilled within the time limits prescribed by commission rules once the applicant has met all conditions precedent to achieving "qualified service applicant" status. If a service request cannot be fulfilled within the required period, the applicant shall be notified in writing of the delay, its cause and the anticipated date that service will be available. The commission service dates shall not become applicable until the service applicant has met all conditions precedent to becoming a qualified service applicant as defined by commission rules.

Section 3.07 - Developer Requirements

As a condition of service to a new subdivision, the utility shall require a developer (as defined by PUC rule) to provide permanent recorded public utility easements as a condition of service to any location within the developer's property.

APPENDIX A -- SAMPLE SERVICE AGREEMENT
From TCEQ Rules, 30 TAC Chapter 290.47(b), Appendix B
SERVICE AGREEMENT

- I. **PURPOSE.** The NAME OF SEWER SYSTEM is responsible for protecting the drinking water supply from contamination or pollution which could result from improper private water distribution system construction or configuration. The purpose of this service agreement is to notify each customer of the restrictions which are in place to provide this protection. The utility enforces these restrictions to ensure the public health and welfare. Each customer must sign this agreement before the NAME OF SEWER SYSTEM will begin service. In addition, when service to an existing connection has been suspended or terminated, the sewer system will not re-establish service unless it has a signed copy of this agreement.
- II. **RESTRICTIONS.** The following unacceptable practices are prohibited by State regulations.
- A. No direct connection between the public drinking water supply and a potential source of contamination is permitted. Potential sources of contamination shall be isolated from the public water system by an air-gap or an appropriate backflow prevention device.
 - B. No cross-connection between the public drinking water supply and a private water system is permitted. These potential threats to the public drinking water supply shall be eliminated at the service connection by the installation of an air-gap or a reduced pressure-zone backflow prevention device.
 - C. No connection which allows water to be returned to the public drinking water supply is permitted.
 - D. No pipe or pipe fitting which contains more than 8.0% lead may be used for the installation or repair of plumbing at any connection which provides water for human use.
 - E. No solder or flux which contains more than 0.2% lead can be used for the installation or repair of plumbing at any connection which provides water for human use.
- III. **SERVICE AGREEMENT.** The following are the terms of the service agreement between the NAME OF SEWER SYSTEM (the Sewer System) and NAME OF CUSTOMER (the Customer).
- A. The Sewer System will maintain a copy of this agreement as long as the Customer and/or the premises are connected to the Sewer System.
 - B. The Customer shall allow his property to be inspected for possible cross-connections and other potential contamination hazards. These inspections shall be conducted by the Sewer System or its designated agent prior to initiating new water service; when there is reason to believe that cross-connections or other potential contamination hazards exist; or after any major changes to the private water distribution facilities. The inspections shall be conducted during the Sewer System's normal business hours.
 - C. The Sewer System shall notify the Customer in writing of any cross-connection or other potential contamination hazard which has been identified during the initial inspection or the periodic reinspection.
 - D. The Customer shall immediately remove or adequately isolate any potential cross-connections or other potential contamination hazards on his premises.
 - E. The Customer shall, at his expense, properly install, test, and maintain any backflow prevention device required by the Sewer System. Copies of all testing and maintenance records shall be provided to the Sewer System.
- IV. **ENFORCEMENT.** If the Customer fails to comply with the terms of the Service Agreement, the Sewer System shall, at its option, either terminate service or properly install, test, and maintain an appropriate backflow prevention device at the service connection. Any expenses associated with the enforcement of this agreement shall be billed to the Customer.

CUSTOMER'S SIGNATURE: _____
DATE: _____

Attachment 'B'

Confidential

Customer Name, Address and Deposit Information

CONFIDENTIAL

DOCKET NO.:

STYLE: Application of Undine Texas, LLC and Undine Texas Environmental, LLC for Sale, Transfer, or Merger of a Retail Public Utility

SUBMITTING PARTY: Undine Texas, LLC

BRIEF DESCRIPTION OF CONTENTS: Attachment B – Customer Name, Address, and Deposit Information

BATE STAMP OR SEQUENTIAL PAGE NUMBER RANGE: 43 TO 45

ENVELOPE #: 1 OF 1

ADDITIONAL INFORMATION REQUIRED BY PROTECTIVE ORDER:

DATE SUBMITTED TO COMMISSION: February 4, 2019

Attachment 'C'

Confidential

Limited Liability Company Agreement Undine Texas
Environmental, LLC and Organizational Chart

CONFIDENTIAL

DOCKET NO.:

STYLE: Application of Undine Texas, LLC and Undine Texas Environmental, LLC for Sale, Transfer, or Merger of a Retail Public Utility

SUBMITTING PARTY: Undine Texas, LLC

BRIEF DESCRIPTION OF CONTENTS: Attachment C - Limited Liability Company Agreement Undine Texas Environmental, LLC and Organizational Chart

BATE STAMP OR SEQUENTIAL PAGE NUMBER RANGE: 47 TO 52

ENVELOPE #: 1 OF 1

ADDITIONAL INFORMATION REQUIRED BY PROTECTIVE ORDER:

DATE SUBMITTED TO COMMISSION: February 4, 2019

Attachment 'D'

Certificate of Account Status



Office of the Secretary of State

Certificate of Fact

The undersigned, as Secretary of State of Texas, does hereby certify that the document, Certificate of Formation for Undine Texas Environmental, L.L.C (file number 801768069), a Domestic Limited Liability Company (LLC), was filed in this office on April 15, 2013.

It is further certified that the entity status in Texas is in existence.

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on August 03, 2017.



A handwritten signature in black ink, appearing to read "Rolando B. Pablos".

Rolando B. Pablos
Secretary of State

Attachment 'E'

Confidential

Evidence of Financial, Managerial and Technical Capabilities

CONFIDENTIAL

DOCKET NO.:

STYLE: Application of Undine Texas, LLC and Undine Texas Environmental, LLC for Sale, Transfer, or Merger of a Retail Public Utility

SUBMITTING PARTY: Undine Texas, LLC

BRIEF DESCRIPTION OF CONTENTS: Attachment E - Evidence of Financial, Managerial and Technical Capabilities

BATE STAMP OR SEQUENTIAL PAGE NUMBER RANGE: 56 TO 56

ENVELOPE #: 1 OF 1

ADDITIONAL INFORMATION REQUIRED BY PROTECTIVE ORDER:

DATE SUBMITTED TO COMMISSION: February 4, 2019

Attachment 'F'

Confidential

Written Consents, Bill of Sale and Assignment Agreement,
Special Warranty Fee Deed

CONFIDENTIAL

DOCKET NO.:

STYLE: Application of Undine Texas, LLC and Undine Texas Environmental, LLC for Sale, Transfer, or Merger of a Retail Public Utility

SUBMITTING PARTY: Undine Texas, LLC

BRIEF DESCRIPTION OF CONTENTS: Attachment F - Written Consents, Bill of Sale and Assignment Agreement, Special Warranty Fee Deed

BATE STAMP OR SEQUENTIAL PAGE NUMBER RANGE: 58 TO 73

ENVELOPE #: 1 OF 1

ADDITIONAL INFORMATION REQUIRED BY PROTECTIVE ORDER:

DATE SUBMITTED TO COMMISSION: February 4, 2019

Attachment 'G'

Confidential

Financial Information

CONFIDENTIAL

DOCKET NO.:

STYLE: Application of Undine Texas, LLC and Undine Texas Environmental, LLC for Sale, Transfer, or Merger of a Retail Public Utility

SUBMITTING PARTY: Undine Texas, LLC

BRIEF DESCRIPTION OF CONTENTS: Attachment G - Financial Information

BATE STAMP OR SEQUENTIAL PAGE NUMBER RANGE: 75 TO 83

ENVELOPE #: 1 OF 1

ADDITIONAL INFORMATION REQUIRED BY PROTECTIVE ORDER:

DATE SUBMITTED TO COMMISSION: February 4, 2019

Attachment 'H'

Individual Page 16 & 17 for Each System, and Inspection
Reports

Part F – TCEQ Public Water or Sewer System Information

H1 Angle Acres

Please answer questions 17 through 22 on a different sheet for each physically Distinct system being transferred or acquired.

17. A. For Water Systems. TCEQ Public Water System Identification Number:

Date of last inspection:

B. For Wastewater Systems:

Please See Attachment 'L'

-TCEQ Discharge Permit Number: W Q -

-Name of Permittee:

-Date of application to transfer Discharge Permit submitted:

-Date of application to transfer Discharge Permit approved by TCEQ:

18. A. Are any improvements required to meet TCEQ or PUC standards? Yes No. If yes, please explain:

New facility has been constructed to rectify deficiencies noted in the last inspection.

B. Is there a moratorium on new connections? Yes No. If yes, please explain:

C. Provide details of each required major capital improvement to correct the deficiencies and meet the TCEQ or PUC standards (attach additional sheets if necessary):

| Description of the Required Improvement | Schedule to Complete | Estimated Cost |
|---|----------------------|----------------|
| | | |
| | | |
| | | |

19. Does the system being transferred operate within the city limits of a municipality or within district boundaries? Yes No

If yes, indicate the number of customers within the city limits or district boundaries:
 Water Sewer

Attach copy of franchise agreement or consent letter from the city or district.

20. Do you currently purchase water or sewer treatment capacity from another source? Yes No
 Water Sewer Purchased on a Regular Seasonal Emergency Basis

• Source: % of total supply:

21. List the number of existing connections to be effected by this transaction.

| Water | | Sewer | |
|--------------------------|-----------|-------------------------|----|
| -Non Metered | -2" meter | -Residential Connection | 45 |
| -5/8" or 3/4" meter | -3" meter | -Commercial Connection | |
| -1" meter | -4" meter | -Industrial Connection | |
| -1 1/2" meter | -Other | -Other | |
| Total Water Connections: | | Total Sewer Connections | 45 |

22. Has the system reached 85% of its capacity based on TCEQ's minimum requirements? Yes No
 If yes, please explain what steps are being taken to address the capacity issues:

23. List the name, class, and license number of the operator(s) that will be responsible for the system:

| Name | Class | License# |
|--------------------|-------|----------|
| See Attachment 'K' | | |
| | | |
| | | |
| | | |
| | | |

24. Attach the following maps with each copy of the application: Please See Attachment 'I'

- a. One small scale map clearly showing affected service area with enough detail to accurately locate the area if the application is for the transfer of all or a portion of a CCN.
- b. One large scale map showing the proposed service area boundaries being sold, transferred, or merged and, if available, the existing and proposed facilities. Color coding should be used to differentiate existing from proposed facilities. Facilities and service area boundaries should be shown with such exactness that they can be located on the ground. If transferring area not currently in a CCN or a portion of an existing CCN area please attach the following hard copy maps with each copy of the application:
 1. A general location map delineating the proposed service area with enough detail to accurately locate the proposed area within the county.
 2. A map showing only the proposed area by:
 - i. metes and bounds survey certified by a licensed state or registered professional land surveyor; or
 - ii. projectable digital data with metadata (proposed areas should be in a single record and clearly labeled, data disk should be included); or
 - iii. following verifiable natural and man-made landmarks, or
 - iv. a copy of recorded plat map with metes and bounds.
 3. A written description of the proposed service area.

TCEQ EXIT INTERVIEW FORM: Potential Violations and/or Records Requested

| | | | | | |
|----------------------------|---------------------------------|-----------------------------|---|--------------------------------------|----------------|
| Regulated Entity/Site Name | ORBIT SYSTEMS, ANGLE ACRES WWTP | | | TCEQ and ID No. RN No. (optional) | W00012420-001 |
| Investigation Type | CC1 | Contact Made In-House (Y/N) | Y | Purpose of Investigation | COMPLIANCE |
| Regulated Entity/Contact | PEGGY PAUL | | | Telephone No. | (979) 292-5165 |
| Title | PRESIDENT/OPERATOR | | | Date Contacted | MAY 15, 2015 |
| | | | | Date Faxed | |

NOTICE: The information provided in this form is intended to provide clarity to issues that have arisen during the investigation process between the TCEQ and the regulated entity named above and *does not represent final TCEQ findings related to violations.* Any potential or alleged violations discovered after the date on this form will be communicated by telephone to the regulated entity representative prior to the issuance of a notice of violation or enforcement. Conclusions drawn from this investigation, including additional violations or potential violations discovered (if any) during the course of this investigation, will be documented in a final investigation report.

| Issue | | For Records Request: identify the necessary records, the company contact and date due to the agency. For Alleged and Potential Violation issues: include the rule in question with the clearly described potential problem. Other type of issues: fully describe. | |
|-------|------|--|--|
| No. | Type | Rule Citation (if known) | Description of Issue |
| 1 | O | | Extensive rust all over the plant - plan underway to replace plant |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

¹Issue Type Can Be One or More of: AV (Alleged Violation), PV (Potential Violation), O (Other), or RR (Records Request)

| | | |
|---|------------------------------|--|
| Did the TCEQ document the regulated entity named above operating without proper authorization? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Did the investigator advise the regulated entity representative that continued operation is not authorized? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Document Acknowledgment. Signature on this document establishes only that the regulated entity (company) representative received a copy of this document and associated continuation pages on the date noted. If contact was made by telephone, document will be faxed to regulated entity; therefore, signature not required.

| | | | |
|---|-----------------------------|--|------------------------|
| <i>Investigator Name (Signed & Printed)</i> Investigator Name (Signed & Printed) | <i>Date</i> MAY 20, 2015 | <i>Regulated Entity Representative Name (Signed & Printed)</i> Peggy Paul | <i>Date</i> 5/20/15 |
|---|-----------------------------|--|------------------------|

If you have questions about any information on this form, please contact your local TCEQ Regional Office. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512-239-3282.

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niemann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 26, 2015

Carl L. Brassow, P.E.
Active Water Solutions, LLC
100 Waugh Drive, Suite 400
Houston, Texas 77007

Re: Orbit Systems, Inc.
Angle Acres WWTP
Permit No. WQ0012420-001
WWPR Log No. 1015/071
CN 600625198, RN 101609832
Brazoria County

Dear Mr. Brassow:

We have received the project summary transmittal letter dated October 23, 2015.

The rules which regulate the design, installation and testing of domestic wastewater projects are found in 30 TAC, Chapter 217, of the Texas Commission on Environmental Quality (TCEQ) rules titled, Design Criteria for Wastewater Systems.

Section 217.6(d), relating to case-by-case reviews, states in part that upon submittal of a summary transmittal letter, the executive director may approve of the project without reviewing a complete set of plans and specifications.

Under the authority of §217.6(e) a technical review of complete plans and specifications is not required. However, the project proposed in the summary transmittal letter is approved for construction. Please note, that this conditional approval does not relieve the applicant of any responsibilities to obtain all other necessary permits or authorizations, such as wastewater treatment permit or other authorization as required by Chapter 26 of the Texas Water Code. Below are provisions of the Chapter 217 regulations, which must be met as a condition of approval. These items are provided as a reminder. If you have already met these requirements, please disregard this additional notice.

1. You must keep certain materials on file for the life of the project and provide them to TCEQ upon request. These materials include an engineering report, test results, a summary transmittal letter, and the final version of the project plans and specifications. These materials shall be prepared and sealed by a Professional Engineer licensed in the State of Texas and must show substantial compliance with Chapter 217. All plans and specifications must conform to any waste discharge requirements authorized in a permit by the TCEQ. Certain specific items which shall be addressed in the engineering report are discussed in §217.6(c). Additionally, the engineering report must include all constants, graphs,

Carl L. Brassow, P.E.
Page 2
October 26, 2015

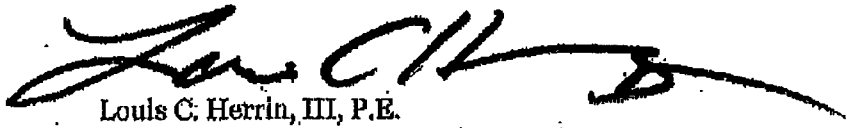
equations, and calculations needed to show substantial compliance with Chapter 217. The items which shall be included in the summary transmittal letter are addressed in §217.6(c)(x)-(10).

2. Any deviations from Chapter 217 shall be disclosed in the summary transmittal letter and the technical justifications for those deviations shall be provided in the engineering report. Any deviations from Chapter 217 shall be based on the best professional judgement of the licensed professional engineer sealing the materials and the engineer's judgement that the design would not result in a threat to public health or the environment.
3. Any variance from a Chapter 217 requirement disclosed in your summary transmittal letter is approved. If in the future, additional variances from the Chapter 217 requirements are desired for the project, each variance must be requested in writing by the design engineer. Then, the TCEQ will consider granting a written approval to the variance from the rules for the specific project and the specific circumstances.
4. Within 60 days of the completion of construction, an appointed engineer shall notify both the Wastewater Permits Section of the TCEQ and the appropriate Region Office of the date of completion. The engineer shall also provide written certification that all construction, materials, and equipment were substantially in accordance with the approved project, the rules of the TCEQ, and any change orders filed with the TCEQ. All notifications, certifications, and change orders must include the signed and dated seal of a Professional Engineer licensed in the State of Texas.

This approval does not mean that future projects will be approved without a complete plans and specifications review. The TCEQ will provide a notification of intent to review whenever a project is to undergo a complete plans and specifications review. Please be reminded of 30 TAC §217.7(a) of the rules which states, "Approval given by the executive director or other authorized review authority does not relieve an owner of any liability or responsibility with respect to designing, constructing, or operating a collection system or treatment facility in accordance with applicable commission rules and the associated wastewater permit".

If you have any questions or if we can be of any further assistance, please call me at (512) 239-4552.

Sincerely,



Louis C. Herrin, III, P.E.
Wastewater Permits Section (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

LCH/kwm

cc: TCEQ, Region 12 Office

Part F – TCEQ Public Water or Sewer System Information

H2 Beechwood

Please answer questions 17 through 22 on a different sheet for each physically Distinct system being transferred or acquired.

17. A. For Water Systems. TCEQ Public Water System Identification Number:

Date of last inspection:

B. For Wastewater Systems:

Please See Attachment 'L'

-TCEQ Discharge Permit Number: W Q -

-Name of Permittee:

-Date of application to transfer Discharge Permit submitted:

-Date of application to transfer Discharge Permit approved by TCEQ:

18. A. Are any improvements required to meet TCEQ or PUC standards? Yes No. If yes, please explain:

B. Is there a moratorium on new connections? Yes No. If yes, please explain:

C. Provide details of each required major capital improvement to correct the deficiencies and meet the TCEQ or PUC standards (attach additional sheets if necessary):

| Description of the Required Improvement | Schedule to Complete | Estimated Cost |
|---|----------------------|----------------|
| | | |
| | | |
| | | |

19. Does the system being transferred operate within the city limits of a municipality or within district boundaries? Yes No

If yes, indicate the number of customers within the city limits or district boundaries:
 Water Sewer

Attach copy of franchise agreement or consent letter from the city or district.

20. Do you currently purchase water or sewer treatment capacity from another source? Yes No
 Water Sewer Purchased on a Regular Seasonal Emergency Basis

• Source: _____ % of total supply:

21. List the number of existing connections to be effected by this transaction.

| Water | | Sewer | |
|--------------------------|--|-------------------------|-------------------------|
| -Non Metered | | -2" meter | -Residential Connection |
| -5/8" or 3/4" meter | | -3" meter | -Commercial Connection |
| -1" meter | | -4" meter | -Industrial Connection |
| -1 1/2" meter | | -Other | -Other |
| Total Water Connections: | | Total Sewer Connections | |
| | | | 133 |

22. Has the system reached 85% of its capacity based on TCEQ's minimum requirements? Yes No
 If yes, please explain what steps are being taken to address the capacity issues:

23. List the name, class, and license number of the operator(s) that will be responsible for the system:

| Name | Class | License# |
|--------------------|-------|----------|
| See Attachment 'K' | | |
| | | |
| | | |
| | | |

24. Attach the following maps with each copy of the application:

- a. One small scale map clearly showing affected service area with enough detail to accurately locate the area if the application is for the transfer of all or a portion of a CCN.
- b. One large scale map showing the proposed service area boundaries being sold, transferred, or merged and, if available, the existing and proposed facilities. Color coding should be used to differentiate existing from proposed facilities. Facilities and service area boundaries should be shown with such exactness that they can be located on the ground. If transferring area not currently in a CCN or a portion of an existing CCN area please attach the following hard copy maps with each copy of the application:
 1. A general location map delineating the proposed service area with enough detail to accurately locate the proposed area within the county.
 2. A map showing only the proposed area by:
 - i. metes and bounds survey certified by a licensed state or registered professional land surveyor; or
 - ii. projectable digital data with metadata (proposed areas should be in a single record and clearly labeled, data disk should be included); or
 - iii. following verifiable natural and man-made landmarks, or
 - iv. a copy of recorded plat map with metes and bounds.
 3. A written description of the proposed service area.

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 15, 2015

Ms. Peggy Paul, President
Orbit Systems, Inc.
1302 Airline North
Kosharou, Texas 77583

Re: Compliance Evaluation Investigation at:
The Orbit Systems, Inc., Beechwood Wastewater Treatment Facility located at 7132 Green Tree Drive, approximately 0.5 mile west of State Highway 288B, and approximately 2800 feet southwest of the intersection of State Highway 288B and Beechwood Drive, and approximately 3.5 miles north of the City of Angleton (Brazoria County), Texas.
TCEQ ID No.: WQ0012113-001, EPA ID No.: TX0079260

Dear Ms. Paul:

On May 20, 2015, Mr. Nwachukwu Sam Okonkwo and Ms. Becky Costigan of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with applicable requirements for water quality. No violations are being alleged as a result of the investigation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Nwachukwu Sam Okonkwo in the Houston Region Office at 713-767-3692.

Sincerely,

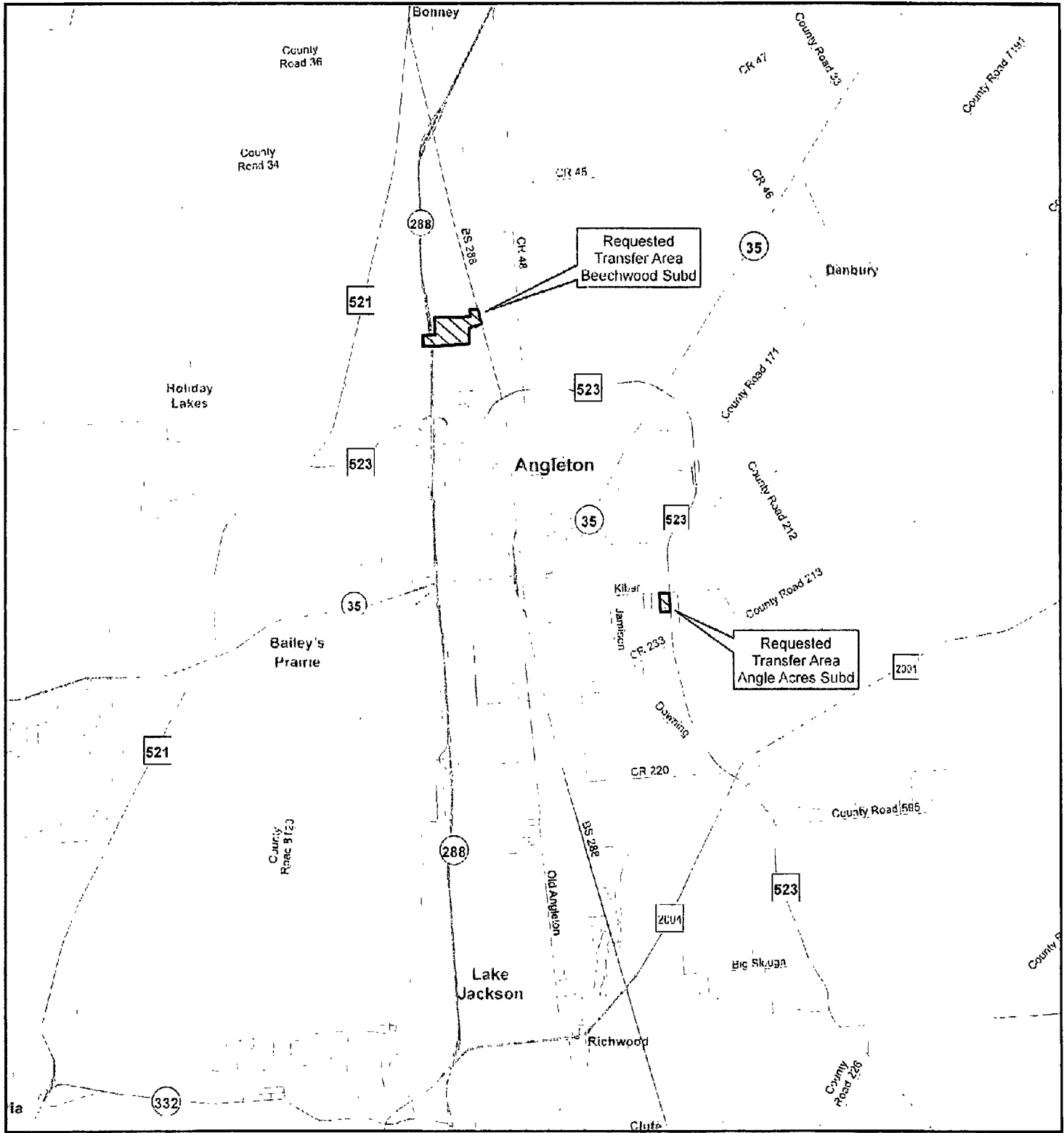
A handwritten signature in black ink, appearing to read "BSS" followed by a stylized flourish.

Barbara S. Sullivan
Team Leader
Water Quality Management
Region 12 Houston

BSS/NSO/ci

Attachment 'I'


**CCN Maps to be Transferred with this Application and CCN
Descriptions**

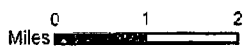


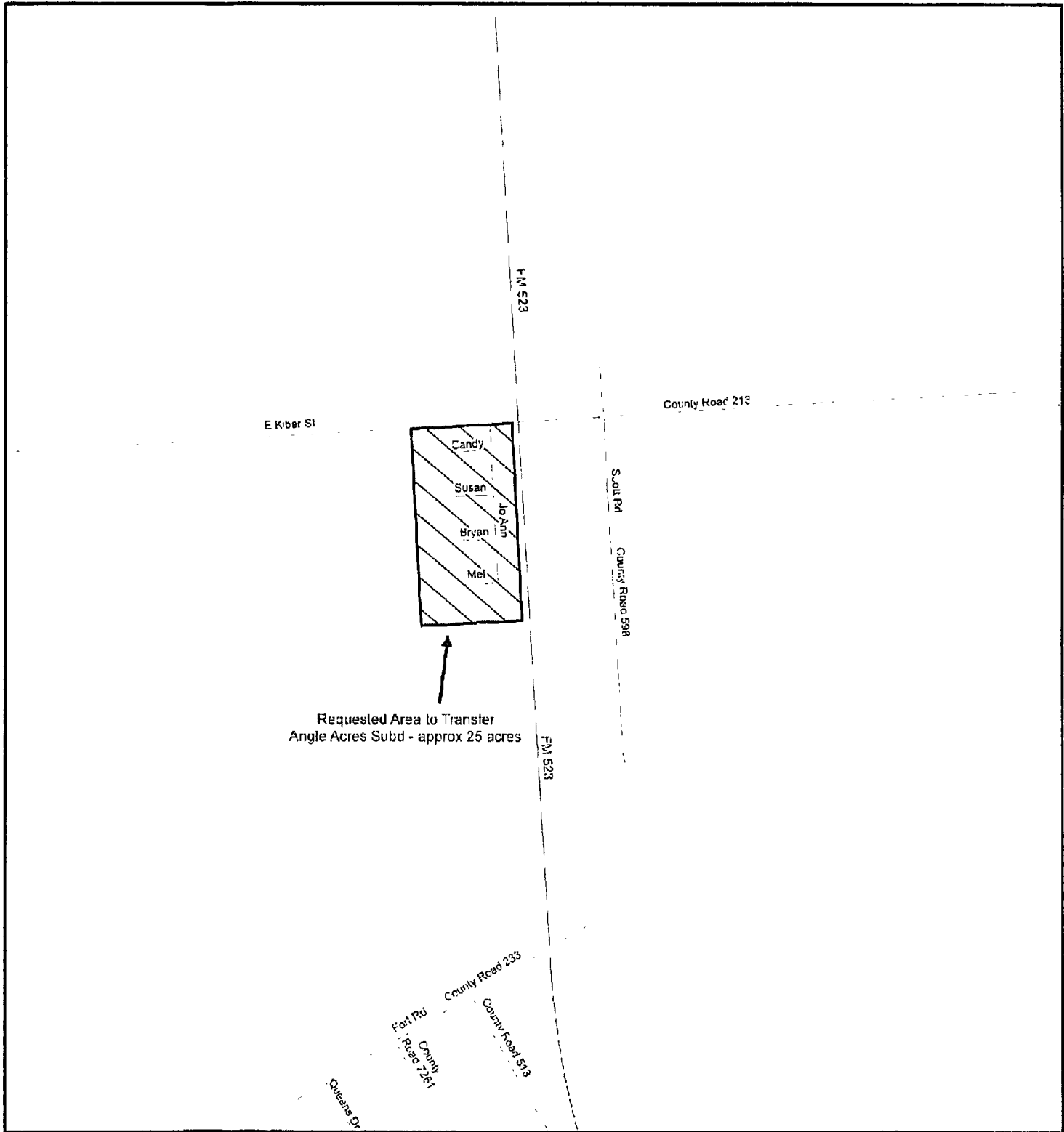
General Location

Undine Texas Environmental LLC
 Application to Transfer Undine Texas, LLC, CCN No. 21106
 in Brazoria County

Requested Sewer CCN Service Areas to Transfer

 CCN 21106 - Undine Texas, LLC

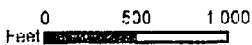





Requested Area to Transfer
 Angle Acres Subd - approx 25 acres

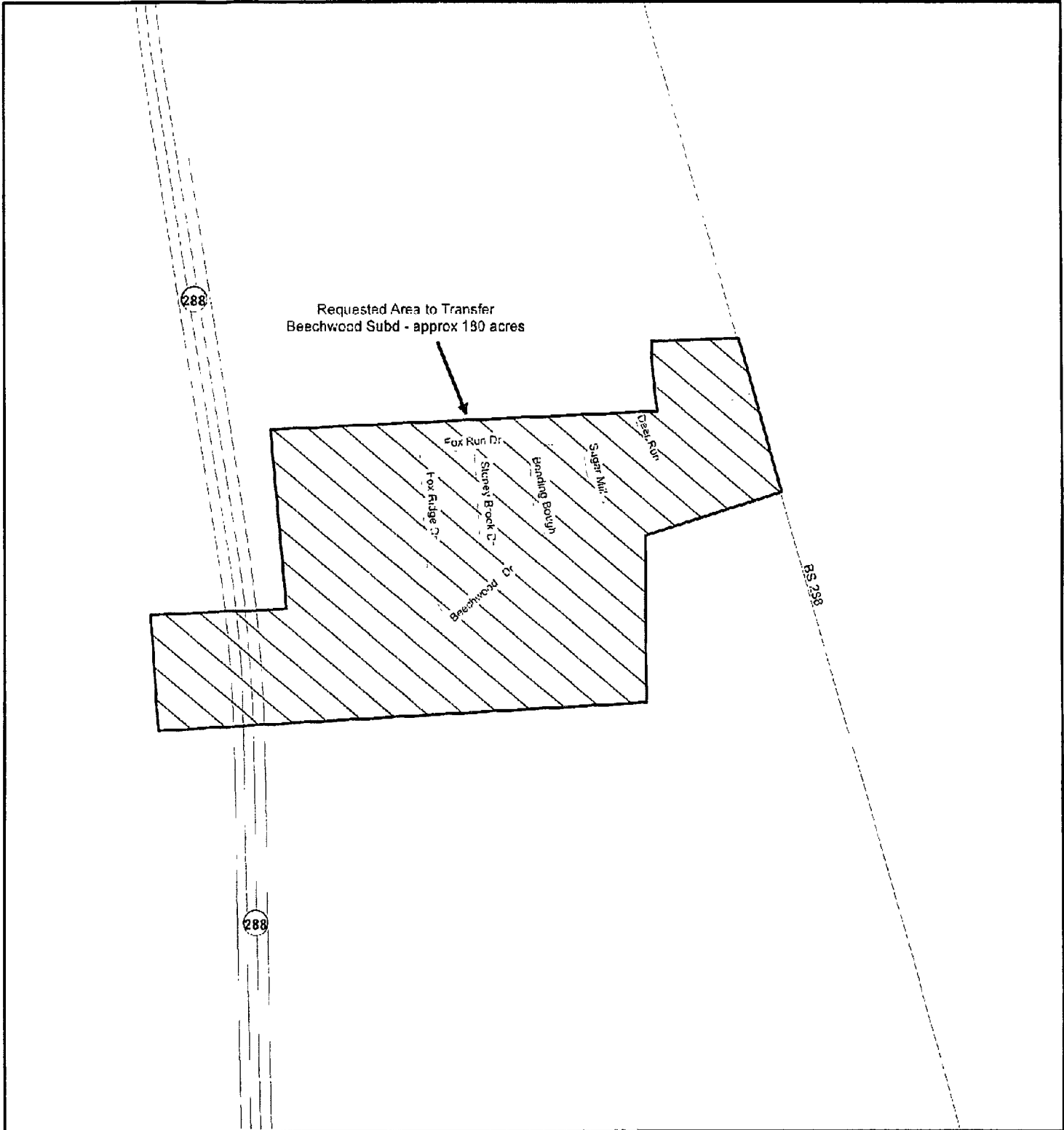
Angle Acres Subdivision Detail Map

Undine Texas Environmental, LLC
 Application to Transfer Undine Texas, LLC. CCN No. 21106
 in Brazoria County



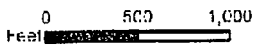
Requested Sewer CCN Service Area to Transfer

 CCN 21106 - Undine Texas, LLC




Beechwood Subdivision Detail Map

Undine Texas Environmental, LLC
 Application to Transfer Undine Texas, LLC. CCN No. 21106
 in Brazoria County



Requested Sewer CCN Service Area to Transfer

 CCN 21106 - Undine Texas, LLC

Undine Texas, LLC STM CCN 21106 to Undine Texas Environmental, LLC

Requested Area Overlaps

Angle Acres Subdivision - approx. 25 acres

| | |
|-----------|---|
| County | Brazoria |
| City | none |
| ETJ | Angleton |
| CCN | None |
| Districts | Angleton Drainage District Port Freeport West Brazoria County Drainage District |
| GCD | Brazoria County Groundwater Conservation District |

Beechwood Subdivision – approx. 180 acres

| | |
|-----------|---|
| County | Brazoria |
| City | none |
| ETJ | Angleton |
| CCN | none |
| Districts | Port Freeport West Brazoria County Drainage District |
| GCD | Brazoria County Groundwater Conservation District |

Descriptions

The total acreage of the requested area is approximately: 25

Number of customer connections in the requested area: 22

Affected subdivision: Angle Acres

The closest city or town center: Angleton

Approximate mileage to closest city or town center: 2 miles

The requested area is generally bounded on the North by: E. Kiber Street

on the East by: FM 523

on the South by: Fort Rd (CR 233)

on the West by: Jamison Rd (CR 428)

The total acreage of the requested area is approximately: 180

Number of customer connections in the requested area: 97

Affected subdivision: Beechwood

The closest city or town center: Angleton

Approximate mileage to closest city or town center: 3.5 miles

The requested area is generally bounded on the North by: FM 45

on the East by: SH 288 Business

on the South by: CR 339

on the West by: FM 521

Attachment 'J'

Utilities within 2-Miles

Undine Texas Environmental, LLC STM, CCN 21106

Utility Name- 2 mile Notice

CCN#

Street

City

State

Zip

Angle Acres Subd

| | | | | |
|--|-----------------------------------|---------------|----|-------|
| City of Angleton | 121 S. Velasco | Angleton | TX | 77515 |
| Angleton Drainage District | PO Box 2469 | Angleton | TX | 77516 |
| Port Freeport | 200 W 2nd St | Freeport | TX | 77541 |
| West Brazoria County Drainage District | PO Box 288 | West Columbia | TX | 77486 |
| Brazoria County GCD | 111 E Locust St Bldg A-29 Ste 140 | Angleton | TX | 77515 |
| Brazoria County Judge L.M. Sebesta, Jr | 111 E Locust St | Angleton | TX | 77515 |

Ranchwood Subd

| | | | | |
|--|-----------------------------------|---------------|----|-------|
| City of Angleton | 121 S. Velasco | Angleton | TX | 77515 |
| Angleton Drainage District | PO Box 2469 | Angleton | TX | 77516 |
| Brazoria County Drainage District 5 | PO Box 1 | Rosbaron | TX | 77583 |
| Brazoria County MUD 12 | 1300 Post Oak Blvd Ste 1400 | Houston | TX | 77056 |
| Brazoria County MUD 13 | 1300 Post Oak Blvd Ste 1400 | Houston | TX | 77056 |
| Brazoria County MUD 14 | 1300 Post Oak Blvd Ste 1400 | Houston | TX | 77056 |
| Port Freeport | 200 W 2nd St | Freeport | TX | 77541 |
| Rancho Isabella MUD | 1001 Fannin St Ste 2300 | Houston | TX | 77002 |
| West Brazoria County Drainage District | PO Box 288 | West Columbia | TX | 77486 |
| Brazoria County GCD | 111 E Locust St Bldg A-29 Ste 140 | Angleton | TX | 77515 |
| Brazoria County Judge L.M. Sebesta, Jr | 111 E Locust St | Angleton | TX | 77515 |

Attachment 'K'

Operators Information

Operator's Information:

All Personnel listed below are employed by Utility Partners as Full-Time employees.

Licensed Operators:

- Licensed operators check their assigned facilities on a schedule dedicated to the permit of the site.
- The licensed operator will run any process control, check residuals, pressure, housekeeping, maintenance, or necessary adjustments to keep the facility within compliance.
- If the scope of work is questionable, an immediate supervisor will be notified for further instruction.

Operator-In-Training & Field Technician:

- If an Operator-In-Training is utilized, it is strictly when a licensed operator is on-site. No facility checks or adjustments are made by unlicensed personnel.
- If an Operator-In-Training is in the field (non-facility related work) without a licensed operator and happens to come across an issue, they will immediately contact the operator of the facility or an immediate supervisor to report their findings and get a licensed operator on-site to rectify the situation.

Chris Oliver

Director of Operations

A Water – WO0005854 – Exp 11/21/2020

A Wastewater – WW0004190 – Exp 10/08/2019

Samuel Etta

Operator

D Water – WO0038710 – Exp 07/13/2019

D Wastewater – WW0055283 – Exp 04/27/2019

Michael Gonzales

Operations Manager

C Water – WG0016613 – Exp 05/30/2020

C Wastewater – WW0057885 – Exp 05/12/2020

CSI – CI0010345 – Exp 05/30/2020

Brittini Cole

Operator

D Water – WO0041081 – Exp 10/09/2020

Daniel Burchfield

Operator

D Water – WO0042264 – Exp 05/07/2021

Justin Gonzales

Operator

D Water – WO0043729 – Exp 01/18/2022

Damon Kirby

Field Technician

No licenses

Attachment 'L'

Wastewater Discharge Permits and Transfer Applications

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



TRANSFER OF

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PERMIT NO. WQ0012420001

EPA I.D. No. TX0088366

FROM: Undine Texas, LLC

TO: Undine Texas Environmental, LLC

Ownership of the facilities covered by the above-referenced permit issued September 10, 2015, has changed. That part of the signature page pertaining to the name and mailing address of the permit holder is hereby changed so that the same shall hereinafter be and read as follows:

"Undine Texas Environmental, LLC
10913 Metronome Drive
Houston, Texas 77043"

The transferee is financially responsible for the proper maintenance and operation of the facility so as to comply with the terms and conditions of the permit. The failure to operate the facility in accordance with the terms and conditions of the permit may be good cause for revocation of the permit.

This transfer is in accordance with 30 Texas Administrative Code Section 305.64.

This order is part of the permit and should be attached there to.

Issued Date: August 9, 2018

Stephanie Bergman Perkins

For The Commission

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niemiann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 27, 2017

Mr. Jeff Goebel
Undine Texas, LLC
10913 Metronome Drive
Houston, Texas 77043

Re: Transfer of Permit No. WQ0012420001 (EPA I.D. No. TX0088366) (KN101609832)
Undine Texas, LLC (CN605397827)

Dear Mr. Goebel:

Enclosed is a copy of an order transferring the above referenced permit which was previously issued by the Commission to Orbit Systems, Inc. This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality. This document is part of the affected permit and should be incorporated therein.

Should you need additional information, please contact Lisa Iroanya of the Texas Commission on Environmental Quality, Water Quality Division, Water Quality Division Support Section (MC148) at (512) 239-4418.

Sincerely,

A handwritten signature in black ink, appearing to read "Deirdre Sheppard".

Deirdre Sheppard, Manager (MC148)
Applications Review and Processing Team
Water Quality Division Support Section
Water Quality Division

DS/h

Enclosure

cc: TCEQ Region 12, Water Program Manager

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



TRANSFER OF
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PERMIT NO. WQ0012420001

EPA I.D. No. TX0088366

FROM: Orbit System, Inc.

TO: Undine Texas, LLC

Ownership of the facilities covered by the above-referenced permit issued September 10, 2015, has changed. That part of the signature page pertaining to the name and mailing address of the permit holder is hereby changed so that the same shall hereinafter be and read as follows:

"Undine Texas, LLC.
10913 Metronome Drive
Houston, Texas 77043"

The transferee is financially responsible for the proper maintenance and operation of the facility so as to comply with the terms and conditions of the permit. The failure to operate the facility in accordance with the terms and conditions of the permit may be good cause for revocation of the permit.

This transfer is in accordance with 30 Texas Administrative Code Section 305.64.

This order is part of the permit and should be attached there to.

Issued Date: September 21, 2017

A handwritten signature in black ink, appearing to read "R. A. Hylleberg".

For the Commission



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
 P.O. Box 13087
 Austin, Texas 78711-3087

TPDES PERMIT NO. WQ0012420001
 [For TCEQ office use only - EPA I.D.
 No. TX0088366]

This minor amendment supersedes and replaces TPDES Permit No. WQ0012420001 issued on September 11, 2013, and is issued pursuant to 30 TAC § 306.62(c)(2).

PERMIT TO DISCHARGE WASTES
 under provisions of
 Section 402 of the Clean Water Act
 and Chapter 26 of the Texas Water Code

Orbit Systems, Inc.

whose mailing address is

1302 Airline North
 Rosharon, Texas 77583

is authorized to treat and discharge wastes from the Angle Acres Wastewater Treatment Facility, SIC Code 6515

located at 120 County Road 547C, Angleton, on the southwest quadrant of the intersection of County Road 213 and County Road 547, approximately two miles east of the City of Angleton, in Brazoria County, Texas 77515

to a roadside ditch; thence to a Brazoria County Drainage Ditch; thence to a tidal channel; thence to Bastrop Bayou Tidal in Segment No. 1109 of the San Jacinto-Brazos Coastal Basin

only according to effluent limitations, monitoring requirements and other conditions set forth in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the TCEQ. The issuance of this permit does not grant to the permittee the right to use private or public property for conveyance of wastewater along the discharge route described in this permit. This includes, but is not limited to, property belonging to any individual, partnership, corporation, or other entity. Neither does this permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This permit shall expire at midnight, September 01, 2018.

ISSUED DATE: September 10, 2015


 For the Commission

RECEIVED
 OCT 19 2015
 TCEQ
 CENTRAL FILE ROOM

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the date of issuance and lasting through the date of expiration the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.0175 million gallons per day (MGD), nor shall the average discharge during any two-hour period (2-hour peak) exceed 24 gallons per minute (gpm).

| <u>Effluent Characteristic</u> | <u>Discharge Limitations</u> | | | | <u>Min. Self-Monitoring Requirements</u> | |
|------------------------------------|------------------------------|-------------------|-------------------|---------------------|--|---------------|
| | Daily Avg mg/l (lbs/day) | 7-day Avg mg/l | Daily Max mg/l | Single Grab mg/l | Report Daily Avg. & Max. Single Grab Measurement Frequency | Sample Type |
| Flow, MGD | Report | N/A | Report | N/A | Five/week | Instantaneous |
| Biochemical Oxygen Demand (5-day) | 20 (2.9) | 30 | 45 | 65 | One/week | Grab |
| Total Suspended Solids | 20 (2.9) | 30 | 45 | 65 | One/week | Grab |
| <i>E. coli</i> , CFU or MPN/100 ml | 126 | N/A | N/A | 399 | One/quarter | Grab |

2. The effluent shall contain a chlorine residual of at least 1.0 mg/l and shall not exceed a chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored five times per week by grab sample. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

DEFINITIONS AND STANDARD PERMIT CONDITIONS

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC § 305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§ 5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§ 361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in TWC § 26.001 and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

1. Flow Measurements

- a. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with one million gallons per day or greater permitted flow.
- b. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.
- c. Daily maximum flow - the highest total flow for any 24-hour period in a calendar month.
- d. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.
- e. 2-hour peak flow (domestic wastewater treatment plants) - the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.
- f. Maximum 2-hour peak flow (domestic wastewater treatment plants) - the highest 2-hour peak flow for any 24-hour period in a calendar month.

2. Concentration Measurements

- a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.
 - i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.

- ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.
- b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.
- c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.
- d. Daily discharge - the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day.

The daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily discharge determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.

- e. Bacteria concentration (*E. coli* or Enterococci) - Colony Forming Units (CFU) or Most Probable Number (MPN) of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the n th root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or, computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substituted value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.
 - f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD x Concentration, mg/l x 8.34).
 - g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.
3. Sample Type
- a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (b).

- b. Grab sample - an individual sample collected in less than 15 minutes.
4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation and/or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.
5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.
6. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

Monitoring results shall be provided at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting in accordance with 30 TAC §§ 319.4 - 319.12. Unless otherwise specified, a monthly effluent report shall be submitted each month, to the Enforcement Division (MC 224), by the 20th day of the following month for each discharge which is described by this permit whether or not a discharge is made for that month. Monitoring results must be reported on an approved self-report form that is signed and certified as required by Monitoring and Reporting Requirements No. 10.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act (CWA); TWC §§ 26, 27, and 28; and THSC § 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

- a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§ 319.11 - 319.12. Measurements, tests, and calculations shall be accurately accomplished in a representative manner.
- b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC § 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.

- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR § 264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.
- c. Records of monitoring activities shall include the following:
 - i. date, time and place of sample or measurement;
 - ii. identity of individual who collected the sample or made the measurement.
 - iii. date and time of analysis;
 - iv. identity of the individual and laboratory who performed the analysis;
 - v. the technique or method of analysis; and
 - vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site and/or shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later

than 14 days following each schedule date to the Regional Office and the Enforcement Division (MC 224).

7. Noncompliance Notification

- a. In accordance with 30 TAC § 305.125(9) any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
 - b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
 - i. Unauthorized discharges as defined in Permit Condition 2(g).
 - ii. Any unanticipated bypass that exceeds any effluent limitation in the permit.
 - iii. Violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.
 - c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
 - d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.
8. In accordance with the procedures described in 30 TAC §§ 35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.

9. Changes in Discharges of Toxic Substances

All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the Regional Office, orally or by facsimile transmission within 24 hours, and both the Regional Office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D,

Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

- i. One hundred micrograms per liter (100 µg/L);
 - ii. Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. The level established by the TCEQ.
- b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
- i. Five hundred micrograms per liter (500 µg/L);
 - ii. One milligram per liter (1 mg/L) for antimony;
 - iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. The level established by the TCEQ.

10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

11. All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Executive Director of the following:

- a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to CWA § 301 or § 306 if it were directly discharging those pollutants;
- b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and
- c. For the purpose of this paragraph, adequate notice shall include information on:
 - i. The quality and quantity of effluent introduced into the POTW; and
 - ii. Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

PERMIT CONDITIONS

1. General

- a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.
- b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:
 - i. Violation of any terms or conditions of this permit;
 - ii. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - iii. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

- a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.
- b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment, revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.
- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.
- e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.

- f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§ 305.62 and 305.66 and TWC§ 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.
- h. In accordance with 30 TAC § 305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility which does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.
- i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under TWC §§ 7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA § 402, or any requirement imposed in a pretreatment program approved under the CWA §§ 402 (a)(3) or 402 (b)(8).

3. Inspections and Entry

- a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC § 361.
- b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC § 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment and/or Renewal

- a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
 - i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC § 305.534 (relating to New Sources and New Dischargers); or
 - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9;
 - iii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
- c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
- d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
- e. In accordance with the TWC § 26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.
- f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA § 307(a) for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be

modified or revoked and reissued to conform to the toxic effluent standard or prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA § 307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Permit Transfer

- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC.148) of the Water Quality Division.
- b. A permit may be transferred only according to the provisions of 30 TAC § 305.64 (relating to Transfer of Permits) and 30 TAC § 50.139 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

This permit does not authorize any activity of hazardous waste storage, processing, or disposal that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Relationship to Water Rights

Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to TWC Chapter 11.

8. Property Rights

A permit does not convey any property rights of any sort, or any exclusive privilege.

9. Permit Enforceability

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

10. Relationship to Permit Application

The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

11. Notice of Bankruptcy

- a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:

- i. the permittee;
 - ii. an entity (as that term is defined in 11 USC, § 101(14)) controlling the permittee or listing the permit or permittee as property of the estate; or
 - iii. an affiliate (as that term is defined in 11 USC, § 101(2)) of the permittee.
- b. This notification must indicate:
- i. the name of the permittee and the permit number(s);
 - ii. the bankruptcy court in which the petition for bankruptcy was filed; and
 - iii. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§ 319.21 - 319.29 concerning the discharge of certain hazardous metals.
3. Domestic wastewater treatment facilities shall comply with the following provisions:
 - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
 - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment and/or other treatment unit regulated by this permit.
4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, and/or retention of inadequately treated wastewater.

5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.
6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under TWC § 7.302(b)(6).
7. Documentation

For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other information specified as not confidential in 30 TAC §§ 1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words confidential business information on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCRQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

8. Facilities that generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.
 - a. Whenever flow measurements for any domestic sewage treatment facility reach 75% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90% of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75% of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 169) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

- b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.
 - c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.
9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
 10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.
 11. Facilities that generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:
 - a. Any solid waste, as defined in 30 TAC § 335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
 - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
 - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC § 335.8(b)(1), to the Environmental Cleanup Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.

- d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Registration, Review, and Reporting Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC § 335.5.
- e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
- f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC § 335 and must include the following, as it pertains to wastewater treatment and discharge:
 - i. Volume of waste and date(s) generated from treatment process;
 - ii. Volume of waste disposed of on-site or shipped off-site;
 - iii. Date(s) of disposal;
 - iv. Identity of hauler or transporter;
 - v. Location of disposal site; and
 - vi. Method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

12. For industrial facilities to which the requirements of 30 TAC § 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC § 361.

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SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site or co-disposal landfill. **The disposal of sludge by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of sludge. This provision does not authorize land application of Class A or Class AB Sewage Sludge. This provision does not authorize the permittee to land apply sludge on property owned, leased or under the direct control of the permittee.**

SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC § 912 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.
2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.
3. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

B. Testing Requirements

1. Sewage sludge shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division and the Regional Director (MC Region 12) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Registration, Review, and Reporting Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 12) and the Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year.

2. Sewage sludge shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C.

TABLE 1

| <u>Pollutant</u> | <u>Ceiling Concentration</u> (Milligrams per kilogram)* |
|------------------|--|
| Arsenic | 75 |
| Cadmium | 85 |
| Chromium | 3000 |
| Copper | 4300 |
| Lead | 840 |
| Mercury | 57 |
| Molybdenum | 75 |
| Nickel | 420 |
| PCBs | 49 |
| Selenium | 100 |
| Zinc | 7500 |

* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B pathogen requirements.

- a. For sewage sludge to be classified as Class A with respect to pathogens, the density of fecal coliform in the sewage sludge be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met.

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(2)(A) for specific information.

Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion.

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

- b. For sewage sludge to be classified as Class AB with respect to pathogens, the density of fecal coliform in the sewage sludge be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met.

Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%.

Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information.

Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

- c. Sewage sludge that meets the requirements of Class AB sewage sludge may be classified a Class A sewage sludge if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.
- d. Three alternatives are available to demonstrate compliance with Class B criteria for sewage sludge.

Alternative 1

- i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.
- ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;
- ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;
- iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and
- v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

- ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;
- iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and
- v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition, the following site restrictions must be met if Class B sludge is land applied:

- i. Food crops with harvested parts that touch the sewage sludge/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of sewage sludge.
- ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of sewage sludge when the sewage sludge remains on the land surface for 4 months or longer prior to incorporation into the soil.
- iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of sewage sludge when the sewage sludge remains on the land surface for less than 4 months prior to incorporation into the soil.
- iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of sewage sludge.
- v. Animals shall not be allowed to graze on the land for 30 days after application of sewage sludge.
- vi. Turf grown on land where sewage sludge is applied shall not be harvested for 1 year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn.
- vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of sewage sludge.

viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of sewage sludge.

ix. Land application of sludge shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.

4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.

Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.

Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.

Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.

Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.

Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.

Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

- Alternative 9 -
- i. Sewage sludge shall be injected below the surface of the land.
 - ii. No significant amount of the sewage sludge shall be present on the land surface within one hour after the sewage sludge is injected.
 - iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the sewage sludge shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

- Alternative 10 -
- i. Sewage sludge applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
 - ii. When sewage sludge that is incorporated into the soil is Class A or Class AB with respect to pathogens, the sewage sludge shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test - once during the term of this permit
 PCBs - once during the term of this permit

All metal constituents and fecal coliform or Salmonella sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

| <u>Amount of sewage sludge (*) metric tons per 365-day period</u> | <u>Monitoring Frequency</u> |
|---|-----------------------------|
| 0 to less than 290 | Once/Year |
| 290 to less than 1,500 | Once/Quarter |
| 1,500 to less than 15,000 | Once/Two Months |
| 15,000 or greater | Once/Month |

(*) *The amount of bulk sewage sludge applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7