



Administrative Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
3. Application Materials



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Dunham Pointe Development LLC (CN605730555) operates Harris County Improvement District No. 13 Wastewater Treatment Plant (RN109251041), a complete mix activated sludge plant with nitrification process. The facility is located at approximately 1.3 miles southeast of the intersection of SH 290 and Mason Road, in Cypress, Harris County, Texas 77433. This application is for a renewal to discharge at an annual average flow of 600,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the

treatment units will include a bar screen, aeration basins, final clarifiers, sludge digesters, and chlorine contact basins.



December 19, 2024

Executive Director
Applications Review and Processing Team (MC148)
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Re: TPDES Renewal Permit Application
Dunham Pointe Development LLC
Harris County Improvement District No. 13 Wastewater Treatment Plant
TCEQ Permit No. WQ001549001

To Whom It May Concern,

On behalf of Dunham Pointe Development LLC, BGE, Inc. is submitting one (1) original and two (2) copies of a Permit Renewal application for the referenced project. This application is enclosed for your review and approval.

Also, enclosed is a copy of the application fee payment in the amount of \$1,615.00, which is being sent under separate cover to the Revenues Section.

Should you have any questions or require additional information, please contact me at jfrankovich@bgeinc.com. I can be reached by phone at (281) 558-8700.

Thank you,

A handwritten signature in black ink that reads "Julia Frankovich". The signature is fluid and cursive, with the first name "Julia" and last name "Frankovich" clearly legible.

Julia Frankovich, P.E.

Enclosures

TPDES Renewal Permit Application

Dunham Pointe Development LLC

Harris County Improvement District No. 13

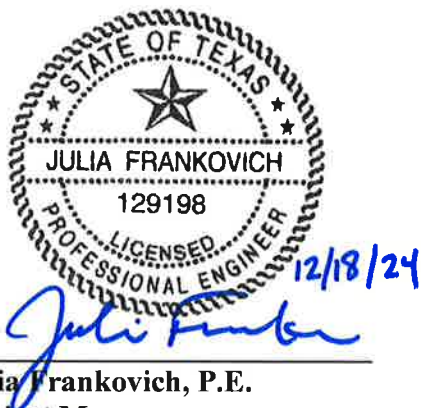
Wastewater Treatment Plant

TCEQ Permit No. WQ0015490001

January 2025

TPDES Renewal Permit Application

Dunham Pointe Development LLC
Harris County Improvement District No. 13
Wastewater Treatment Plant
TCEQ Permit No. WQ0015490001



Julia Frankovich, P.E.
Project Manager
TBPE Registration No. F-1046

BGE Job No. 14076-00



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Dunham Pointe Development LLC

PERMIT NUMBER (If new, leave blank): WQ00 15490001

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Affected Landowners Map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Original Photographs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 2.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Design Calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 26)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input checked="" type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 11603
Check/Money Order Amount: \$1,615.00
Name Printed on Check: BGE, Inc.

EPAY Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

a. Check the box next to the appropriate authorization type.

- ☐ Publicly-Owned Domestic Wastewater
- ☒ Privately-Owned Domestic Wastewater
- ☐ Conventional Wastewater Treatment

b. Check the box next to the appropriate facility status.

- ☒ Active ☐ Inactive

c. Check the box next to the appropriate permit type.

- ☒ TPDES Permit
☐ TLAP
☐ TPDES Permit with TLAP component
☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- | | |
|-----------------------------------------------------------------|-----------------------------------------------------------------|
| <input type="checkbox"/> New | |
| <input type="checkbox"/> Major Amendment <u>with</u> Renewal | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal |
| <input type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input checked="" type="checkbox"/> Renewal without changes | <input type="checkbox"/> Minor Modification of permit |

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 15490001

EPA I.D. (TPDES only): TX 0137219

Expiration Date: 7/2/2025

Section 3. Facility Owner (Applicant) and Co-Applclicant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

Dunham Pointe Development LLC

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: 605730555

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr.

Last Name, First Name: Dunham, Cary

Title: Executive Vice President

Credential: [Click to enter text.](#)

B. **Co-applicant information.** Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

N/A

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at: <http://www15.tceq.texas.gov/crpub/>

CN: N/A

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Provide a brief description of the need for a co-permittee: N/A

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. Attachment 1

Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix: Ms.

Last Name, First Name: Frankovich, Julia

Title: Project Manager

Credential: P.E.

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Rd Ste 400

City, State, Zip Code: Houston, TX 77042

Phone No.: 713-488-8186

E-mail Address: jfrankovich@bgeinc.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Ms.

Last Name, First Name: Hernandez, Shiann

Title: Project Manager

Credential: P.E.

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Rd Ste 400

City, State, Zip Code: Houston, TX 77042

Phone No.: 713-488-8391

E-mail Address: shernandez@bgeinc.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

A. Prefix: Ms.

Last Name, First Name: Frankovich, Julia

Title: Project Manager

Credential: P.E.

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Rd Ste 400

City, State, Zip Code: Houston, TX 77042

Phone No.: 713-488-8186

E-mail Address: jfrankovich@bgeinc.com

B. Prefix: Ms. Last Name, First Name: Hernandez, Shiann
Title: Project Manager Credential: P.E.
Organization Name: BGE, Inc.
Mailing Address: 10777 Westheimer Rd Ste 400 City, State, Zip Code: Houston, TX 77042
Phone No.: 713-488-8391 E-mail Address: shernandez@bgeinc.com

Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits ***in effect on September 1 of each year***. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix: Mr. Last Name, First Name: LaConti, Charlie
Title: Regional Manager Credential: Click to enter text.
Organization Name: Municipal Accounts & Consulting, L.P.
Mailing Address: 1281 Brittmoore Rd City, State, Zip Code: Houston, TX 77043
Phone No.: 713-366-3043 E-mail Address: claconti@municipalaccounts.com

Section 7. DMR/MER Contact Information (Instructions Page 27)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (DMR) (EPA 3320-1) or maintain Monthly Effluent Reports (MER).

Prefix: Mr. Last Name, First Name: Bond, Patrick
Title: Environmental Quality Specialist Credential: Click to enter text.
Organization Name: Inframark, LLC
Mailing Address: 2002 W Grand Pkwy N #100 City, State, Zip Code: Katy, TX 77449
Phone No.: 713-578-4200 E-mail Address: Patrick.Bond@inframark.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Frankovich, Julia
Title: Project Manager Credential: P.E.
Organization Name: BGE, Inc.
Mailing Address: 10777 Westheimer Rd Ste 400 City, State, Zip Code: Houston, TX 77042
Phone No.: 713-488-8186 E-mail Address: jfrankovich@bgeinc.com

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Ms.

Last Name, First Name: Frankovich, Julia

Title: Project Manager

Credential: P.E.

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Rd Ste 400 City, State, Zip Code: Houston, TX 77042

Phone No.: 281-558-8700

E-mail Address: jfrankovich@bgeinc.com

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: Northwest Branch Library

Location within the building: Shelf Reference Area

Physical Address of Building: 11355 Regency Green Dr

City: Cypress

County: Harris

Contact (Last Name, First Name): Cathy Clark

Phone No.: 832-927-5460 Ext.: Click to enter text.

E. Bilingual Notice Requirements

This information **is required** for **new, major amendment, minor amendment or minor modification, and renewal** applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

☐ Yes ☒ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

☐ Yes ☐ No

3. Do the students at these schools attend a bilingual education program at another location?

☐ Yes ☐ No

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

☐ Yes ☐ No

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? [Click to enter text.](#)

F. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

Attachment: 3

G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: N/A

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 109251041

Search the TCEQ's Central Registry at <http://www15.tceq.texas.gov/crpub/> to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

Harris County Improvement District No. 13 Wastewater Treatment Plant

C. Owner of treatment facility: Dunham Pointe Development LLC

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix: Mr.

Last Name, First Name: Dunham, Cary

Title: Executive Vice President

Credential: [Click to enter text.](#)

Organization Name: Dunham Pointe Development LLC

Mailing Address: 1305 Afton St

City, State, Zip Code: Houston, TX 77055

Phone No.: 713-962-9391

E-mail Address: cary@dirtddevelopment.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: [Click to enter text.](#)

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: [Click to enter text.](#)

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?



Yes



No

If **no**, or a new permit application, please give an accurate description:

[Click to enter text.](#)

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?



Yes



No

If **no**, or a new or amendment permit application, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

[Click to enter text.](#)

City nearest the outfall(s): Cypress

County in which the outfalls(s) is/are located: Harris

C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?



Yes



No

If **yes**, indicate by a check mark if:

- ☒ Authorization granted ☐ Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: [Click to enter text.](#)

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: N/A

Section 11. TLAP Disposal Information (Instructions Page 32)

- A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate? N/A

☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

[Click to enter text.](#)

- B. City nearest the disposal site: [Click to enter text.](#)

- C. County in which the disposal site is located: [Click to enter text.](#)

- D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

[Click to enter text.](#)

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: [Click to enter text.](#)

Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

[Click to enter text.](#)

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: [Click to enter text.](#)

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

Section 13. Attachments (Instructions Page 33)

Indicate which attachments are included with the Administrative Report. Check all that apply:

☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: Core Data Form

Section 14. Signature Page (Instructions Page 34)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: WQ0015490001

Applicant: Dunham Pointe Development LLC

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Cary Dunham

Signatory title: Executive Vice President

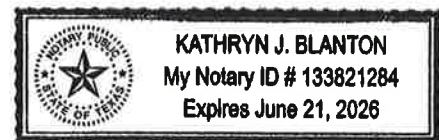
Signature: _____ Date: 12-4-24
(Use blue ink)

Subscribed and Sworn to before me by the said Cary Dunham
on this 4th day of December, 20 24.
My commission expires on the 21st day of June, 20 26.

Kathryn J. Blanton
Notary Public

[SEAL]

Harris
County, Texas



DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: 4

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- **Do Not mail this form with the application form.**
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, Texas 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, Texas 78753

Fee Code: WQP Waste Permit No: WQ0015490001

1. Check or Money Order Number: 116023
2. Check or Money Order Amount: \$1,615.00
3. Date of Check or Money Order: 12/3/2024
4. Name on Check or Money Order: BGE, Inc.

5. APPLICATION INFORMATION

Name of Project or Site: Harris County Improvement District No. 13 Wastewater Treatment Plant

Physical Address of Project or Site: Approximately 1.3 miles southeast of the intersection of SH 290 and Mason Road

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
*(Required for all application types. Must be completed in its entirety and signed.
 Note: Form may be signed by applicant representative.)*

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
*(Full-size map if seeking "New" permit.
 8 ½ x 11 acceptable for Renewals and Amendments)*

Current/Non-Expired, Executed Lease Agreement or Easement ☒ N/A ☐ Yes

Landowners Map ☒ N/A ☐ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☒ N/A ☐ Yes
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☒ N/A ☐ Yes
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 - Blue Ink Preferred ☒ Yes
*(If signature page is not signed by an elected official or principle executive officer,
 a copy of signature authority/delegation letter must be attached)*

Plain Language Summary ☒ Yes



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

Section 1. Permitted or Proposed Flows (Instructions Page 43)

A. Existing/Interim I Phase

Design Flow (MGD): 0.15

2-Hr Peak Flow (MGD): 0.6

Estimated construction start date: 07/2019

Estimated waste disposal start date: 2020

B. Interim II Phase

Design Flow (MGD): 0.3

2-Hr Peak Flow (MGD): 1.20

Estimated construction start date: 7/8/2024

Estimated waste disposal start date: 6/2025

C. Final Phase

Design Flow (MGD): 0.6

2-Hr Peak Flow (MGD): 2.4

Estimated construction start date: 1/2026

Estimated waste disposal start date: 2/2027

D. Current Operating Phase

Provide the startup date of the facility: In Construction for Interim II Phase

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided.**

The facility will utilize a complete mix activated sludge with nitrification process. From the onsite lift station, the flow enters the headworks and flows through a bar screen into the aeration basins, followed by the clarifier. Waste activated sludge from the clarifier is pumped to the digesters. The flow from the clarifier passes through the chlorine disinfection system where it is then discharged into a Harris County Flood Control Ditch, before flowing into Cypress Creek.

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) of each treatment unit, accounting for ***all*** phases of operation.

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Phase I – 0.15 MGD		
Aeration Basin	2	34' x 12' x 13.167'
Clarifier	1	40' Ø x 13.167'
Digester	2	22' x 12' x 13.167'
Chlorine Contact Basin	1	30' x 11' x 10.167'
Phase II – 0.3 MGD		
Aeration Basin	4	34' x 12' x 13.167'
Clarifier	1	40' Ø x 13.167'
Digester	4	22' x 12' x 13.167'
Chlorine Contact Basin	1	30' x 11' x 10.167'
Final Phase – 0.6 MGD		
Aeration Basin	8	34' x 12' x 13.167'
Clarifier	2	40' Ø x 13.167'
Digester	8	22' x 12' x 13.167'
Chlorine Contact Basin	2	30' x 11' x 10.167'

C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction.

Attachment: 5

Section 3. Site Information and Drawing (Instructions Page 44)

Provide the TPDES discharge outfall latitude and longitude. Enter N/A if not applicable.

- Latitude: 29.971214
- Longitude: -95.727305

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: N/A
- Longitude: N/A

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: 6

Provide the name **and** a description of the area served by the treatment facility.

Harris County Improvement District No. 13 and 14.

Collection System Information **for wastewater TPDES permits only**: Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
Harris County Improvement District No. 13 Collection System	Harris County Improvement District No. 13	Publicly Owned	0
Harris County Improvement District No. 14 Collection System	Harris County Improvement District No. 14	Publicly Owned	1,350
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☒ Yes ☐ No

If **yes**, does the existing permit contain a phase that has not been constructed **within five years** of being authorized by the TCEQ?

☒ Yes ☐ No

If **yes**, provide a detailed discussion regarding the continued need for the unbuilt phase. **Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.**

Phase 2 is currently under construction. Construction was delayed due to a slower development timeframe than anticipated. The final phase is expected to begin construction in January 2026.

Section 5. Closure Plans (Instructions Page 45)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

☐ Yes ☒ No

If **yes**, was a closure plan submitted to the TCEQ?

☐ Yes ☐ No

If **yes**, provide a brief description of the closure and the date of plan approval.

Click to enter text.

Section 6. Permit Specific Requirements (Instructions Page 45)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☒ Yes ☐ No

If **yes**, provide the date(s) of approval for each phase: Phase 1 approval letter dated February 23, 2017. Phase 2 approval letter dated January 9, 2023.

Provide information, including dates, on any actions taken to meet a *requirement or provision* pertaining to the submission of a summary transmittal letter. **Provide a copy of an approval letter from the TCEQ, if applicable.**

See Attachment 7 for Phase 1 and Phase 2 approval letters. The final phase will be provided to TCEQ for approval prior to construction.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

Phase 1 was designed to meet the 150' buffer zone requirement. Phase 2, that is currently under construction, was designed to meet the 150' buffer zone requirement. See Attachment 8 for Buffer Zone.

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☐ Yes ☒ No

If **yes**, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

Click to enter text.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☒ No

If **No**, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment

works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

Click to enter text.

3. *Grit disposal*

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☐ Yes ☐ No

If No, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

Click to enter text.

4. *Grease and decanted liquid disposal*

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

Describe how the decant and grease are treated and disposed of after grit separation.

Click to enter text.

E. Stormwater management

1. *Applicability*

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☐ Yes ☒ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☐ Yes ☒ No

If **no** to both of the above, then skip to Subsection F, Other Wastes Received.

2. MSGP coverage

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☐ Yes ☐ No

If **yes**, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

If **no**, do you intend to seek coverage under TXR050000?

☐ Yes ☐ No

3. Conditional exclusion

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

☐ Yes ☐ No

If **yes**, please explain below then proceed to Subsection F, Other Wastes Received:

[Click to enter text.](#)

4. Existing coverage in individual permit

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☐ No

If **yes**, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

[Click to enter text.](#)

5. Zero stormwater discharge

Do you intend to have no discharge of stormwater via use of evaporation or other means?

☐ Yes ☐ No

If **yes**, explain below then skip to Subsection F. Other Wastes Received.

Click to enter text.

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☐ No

If **yes**, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

Click to enter text.

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☒ Yes ☐ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. See [Attachment 9](#)

G. Other wastes received including sludge from other WWTPs and septic waste

1. Acceptance of sludge from other WWTPs

Does or will the facility accept sludge from other treatment plants at the facility site?

☐ Yes ☒ No

If yes, attach sewage sludge solids management plan. See Example 5 of instructions.

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. ***Acceptance of septic waste***

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

If yes, does the facility have a Type V processing unit?

☐ Yes ☐ No

If yes, does the unit have a Municipal Solid Waste permit?

☐ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. ***Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)***

Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?

☐ Yes ☒ No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or

other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☒ Yes ☐ No

If **no**, this section is not applicable. Proceed to Section 8.

If **yes**, provide effluent analysis data for the listed pollutants. **Wastewater treatment facilities** complete Table 1.0(2). **Water treatment facilities** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

Note: The sample date must be within 1 year of application submission.

Table 1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	<2.0	<2.0	1	Grab	11/15/24 8:58 AM
Total Suspended Solids, mg/l	3.1	3.1	1	Grab	11/15/24 8:58 AM
Ammonia Nitrogen, mg/l	<0.1	<0.1	1	Grab	11/15/24 8:58 AM
Nitrate Nitrogen, mg/l	16.4	16.4	1	Grab	11/15/24 8:58 AM
Total Kjeldahl Nitrogen, mg/l	<1.0	<1.0	1	Grab	11/15/24 8:58 AM
Sulfate, mg/l	23.8	23.8	1	Grab	11/15/24 8:58 AM
Chloride, mg/l	248	248	1	Grab	11/15/24 8:58 AM
Total Phosphorus, mg/l	4.68	4.68	1	Grab	11/15/24 8:58 AM
pH, standard units	7.5	7.5	1	Grab	11/15/24 8:58 AM

Dissolved Oxygen*, mg/l	7.3	7.3	1	Grab	11/15/24 8:58 AM
Chlorine Residual, mg/l	1.6	1.6	1	Grab	12/11/24 9:35 AM
<i>E.coli</i> (CFU/100ml) freshwater	1	1	1	Grab	12/11/24 9:35 AM
Enterococci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	824	824	1	Grab	11/15/24 8:58 AM
Electrical Conductivity, µmohs/cm, †	1250	1250	1	Grab	11/15/24 8:58 AM
Oil & Grease, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity (CaCO ₃)*, mg/l	116	116	1	Grab	11/15/24 8:58 AM

*TPDES permits only

†TLAP permits only

Table1.0(3) – Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Juan Olivo

Facility Operator's License Classification and Level: B

Facility Operator's License Number: WW0050212

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☐ Design flow >= 1 MGD
- ☐ Serves >= 10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)

- ☒ Biosolids generator
- ☐ Biosolids end user – land application (onsite)
- ☐ Biosolids end user – surface disposal (onsite)
- ☐ Biosolids end user – incinerator (onsite)

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: [Click to enter text.](#)

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party	Bulk		Choose an item.	Choose an item.

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
	Handler or Preparer				
Other	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Transport to permitted sludge dewatering facility and then disposal at a TCEQ permitted disposal site.

D. Disposal site

Disposal site name: Evergro Organic Recycling Inc.

TCEQ permit or registration number: WQ0005244000

County where disposal site is located: Harris

E. Transportation method

Method of transportation (truck, train, pipe, other): Tanker Truck

Name of the hauler: Magna Flow

Hauler registration number: 21484

Sludge is transported as a:

Liquid ☐ semi-liquid ☒ semi-solid ☐ solid ☐

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

A. Beneficial use authorization

Does the existing permit include authorization for land application of sewage sludge for beneficial use?

☐ Yes ☒ No

If **yes**, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

☐ Yes ☐ No

If **yes**, is the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)** attached to this permit application (see the instructions for details)?

☐ Yes ☐ No

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

Sludge Composting	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Marketing and Distribution of sludge	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

If **yes** to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)** attached to this permit application?

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

If yes, complete the remainder of this section. If no, proceed to Section 12.

A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:
Attachment: [Click to enter text.](#)
- USDA Natural Resources Conservation Service Soil Map:
Attachment: [Click to enter text.](#)
- Federal Emergency Management Map:
Attachment: [Click to enter text.](#)
- Site map:
Attachment: [Click to enter text.](#)

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

Attachment: [Click to enter text.](#)

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

[Click to enter text.](#)

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0*.

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [Click to enter text.](#)

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

Arsenic: [Click to enter text.](#)

Cadmium: [Click to enter text.](#)

Chromium: [Click to enter text.](#)

Copper: [Click to enter text.](#)

Lead: [Click to enter text.](#)

Mercury: [Click to enter text.](#)

Molybdenum: [Click to enter text.](#)

Nickel: [Click to enter text.](#)

Selenium: [Click to enter text.](#)

Zinc: [Click to enter text.](#)

Total PCBs: [Click to enter text.](#)

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [Click to enter text.](#)

Total dry tons stored in the lagoons(s) per 365-day period: [Click to enter text.](#)

Total dry tons stored in the lagoons(s) over the life of the unit: [Click to enter text.](#)

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

☐ Yes ☐ No

If yes, describe the liner below. Please note that a liner is required.

[Click to enter text.](#)

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

[Click to enter text.](#)

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
Attachment: [Click to enter text.](#)
- Copy of the closure plan
Attachment: [Click to enter text.](#)
- Copy of deed recordation for the site
Attachment: [Click to enter text.](#)
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: [Click to enter text.](#)
- Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: [Click to enter text.](#)
- Procedures to prevent the occurrence of nuisance conditions
Attachment: [Click to enter text.](#)

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☐ No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: [Click to enter text.](#)

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☐ Yes ☒ No

If yes, provide the TCEQ authorization number and description of the authorization:

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

Click to enter text.

Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

☐ Yes ☒ No

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

☐ Yes ☒ No

C. Details about wastes received

If **yes** to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment: [Click to enter text.](#)

Section 14. Laboratory Accreditation (Instructions Page 56)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
 - periodically inspected by the TCEQ; or
 - located in another state and is accredited or inspected by that state; or
 - performing work for another company with a unit located in the same site; or
 - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review 30 TAC Chapter 25 for specific requirements.

The following certification statement shall be signed and submitted with every application. See the Signature Page section in the Instructions, for a list of designated representatives who may sign the certification.

CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Cary Dunham

Title: Executive Vice President

Signature: 

Date: 12/17/24

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed to Section 2. If **yes**, provide the following:

Owner of the drinking water supply: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

Attach a USGS map that identifies the location of the intake.

Attachment: [Click to enter text.](#)

Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

If **no**, proceed to Section 3. If **yes**, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: [Click to enter text.](#)

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from outfall(s).

[Click to enter text.](#)

C. Sea grasses

Are there any sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s).

[Click to enter text.](#)

Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☐ Yes ☒ No

If **yes**, this Worksheet is complete.

If **no**, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: HCFC Ditch Unit No. K159-00-00

A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☐ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: Click to enter text.

Average depth of the entire water body, in feet: Click to enter text.

Average depth of water body within a 500-foot radius of discharge point, in feet:
Click to enter text.

- ☒ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: Click to enter text.

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

- ☐ Intermittent - dry for at least one week during most years
- ☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- ☒ Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☒ Personal observation
- ☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

Flow travels through a man-made Harris County Flood Control ditch and then in approximately 2,600 feet, the ditch joins Cypress Creek.

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

☒ Yes ☐ No

If yes, discuss how.

The man-made ditch flows to Cypress Creek.

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

Flowing steadily, normal flows.

Date and time of observation: 12/3/2024 2:00 PM

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

- | | |
|-----------------------------------------------|-------------------------------------------------------------------------|
| <input type="checkbox"/> Oil field activities | <input checked="" type="checkbox"/> Urban runoff |
| <input type="checkbox"/> Upstream discharges | <input type="checkbox"/> Agricultural runoff |
| <input type="checkbox"/> Septic tanks | <input type="checkbox"/> Other(s), specify: <u>Click to enter text.</u> |

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

- | | |
|------------------------------------------------|-----------------------------------------------------------------------------|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities | <input checked="" type="checkbox"/> Other(s), specify: <u>Flood Control</u> |

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

- ☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☒ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored
- ☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- ☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

Harris County Improvement District No. 13
TPDES Permit Renewal Application
List of Attachments

Attachment 1 – Core Data Form

Corresponds to Domestic Administrative Report 1.0, Section 3.C, Page 4

Attachment 2 – USGS Quad Map

Corresponds to Domestic Administrative Report 1.0, Section 13, Page 10 and
Supplemental Permit Information Form Section 5, Page 2

Attachment 3 – Plain Language Summary

Corresponds to Domestic Administrative Report 1.0, Section 8.F, Page 7

Attachment 4 – Supplemental Permit Information Form

Corresponds to Domestic Administrative Report 1.0, Page 14

Attachment 5 – Flow Diagrams

Corresponds to Domestic Technical Report 1.0, Section 2.C, Page 2

Attachment 6 – Site Drawing with Service Area

Corresponds to Domestic Technical Report 1.0, Section 3, Page 3

Attachment 7 – Summary Transmittal Letter

Corresponds to Domestic Technical Report 1.0, Section 6.A, Page 4

Attachment 8 – Buffer Zone Exhibit

Corresponds to Domestic Technical Report 1.0, Section 6.B, Page 5

Attachment 9 – Sewage Sludge Solids Management Plan

Corresponds to Domestic Technical Report 1.0, Section 6.F, Page 8

Attachment 1 – Core Data Form

Corresponds to Domestic Administrative Report 1.0, Section 3.C, Page 4



TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 605730555		RN 109251041

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)							
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)									
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>									
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>					
Dunham Pointe Development LLC									
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)				
0802956329		32066456727		802956329					
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited				
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:					
12. Number of Employees				13. Independently Owned and Operated?					
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input type="checkbox"/> Yes <input type="checkbox"/> No					
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following									
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant									
15. Mailing Address:		1305 Afton St							
City		Houston		State	TX	ZIP	77055	ZIP + 4	6940
16. Country Mailing Information (if outside USA)					17. E-Mail Address (if applicable)				
					cary@dirtdevelopment.com				
18. Telephone Number			19. Extension or Code			20. Fax Number (if applicable)			

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity' is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Harris County Improvement District 13 WWTP

23. Street Address of the Regulated Entity:

(No PO Boxes)

City

State

ZIP

ZIP + 4

24. County

Harris

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:

Approximately 1.3 miles southeast of the intersection of SH 290 and Mason Road

26. Nearest City

State

Nearest ZIP Code

Cypress

TX

77433

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:

29.9716

28. Longitude (W) In Decimal:

-95.7280

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

29

58

17.6

-95

43

40.8

29. Primary SIC Code

(4 digits)

30. Secondary SIC Code

(4 digits)

31. Primary NAICS Code

(5 or 6 digits)

32. Secondary NAICS Code

(5 or 6 digits)

4952

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Municipal Wastewater Treatment

34. Mailing Address:

1305 Afton Street

City

Houston

State

TX

ZIP

77055

ZIP + 4

6940

35. E-Mail Address:

cary@dirtddevelopment.com

36. Telephone Number

37. Extension or Code

38. Fax Number *(if applicable)*

(713) 962-9391

(281) 444-6641

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0015490001			

SECTION IV: Preparer Information

40. Name:	Julia Frankovich, P.E.			41. Title:	Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(281) 558-8700		(281) 646-7651	jfrankovich@bgeinc.com		

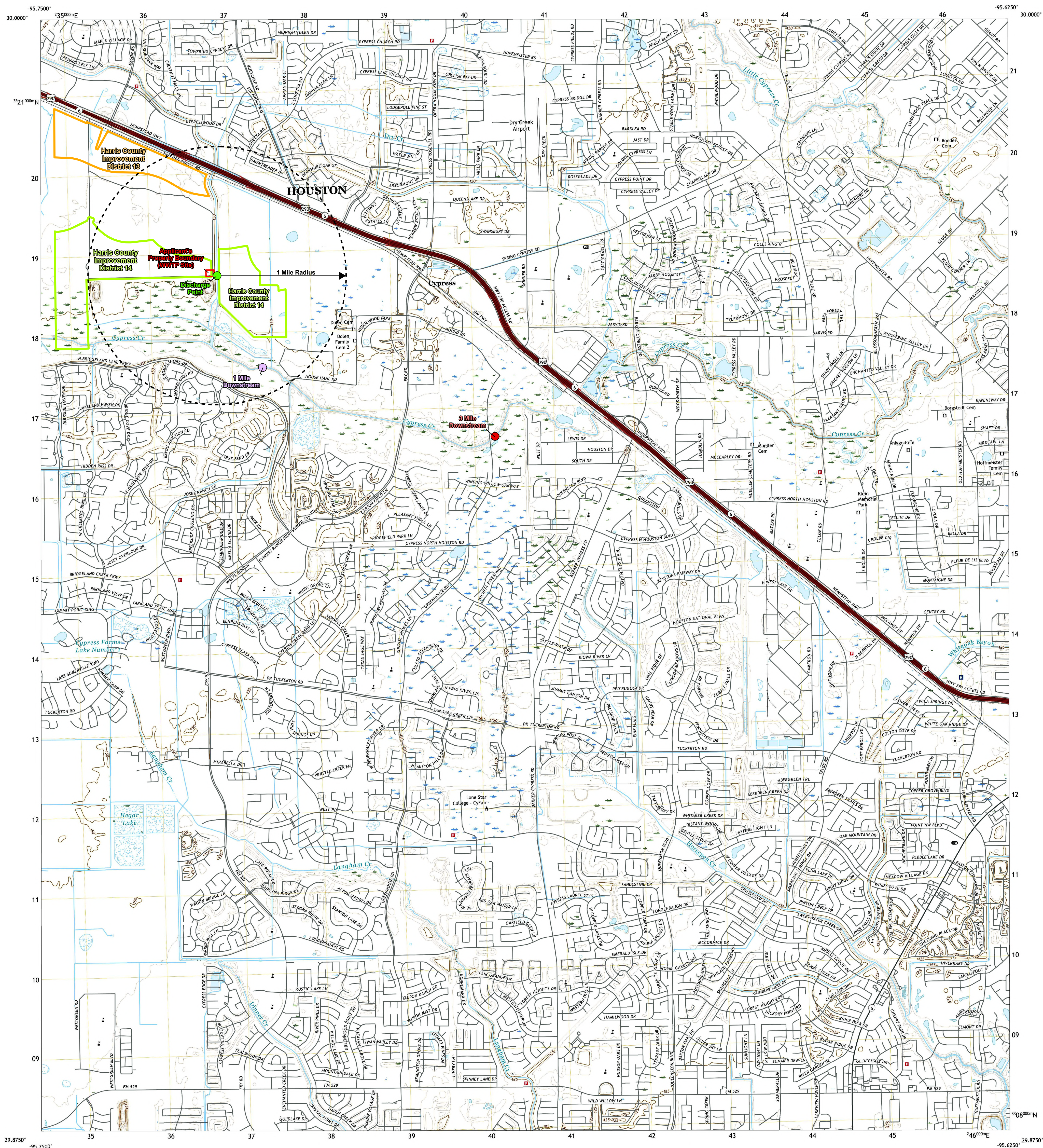
SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Dunham Pointe Development LLC	Job Title:	Executive Vice President	
Name (In Print):	Cary Dunham	Phone:	(713) 962- 9391	
Signature:			Date:	12/17/24

Attachment 2 – USGS Quad Map

Corresponds to Domestic Administrative Report 1.0, Section 13, Page 10 and
Supplemental Permit Information Form Section 5, Page 2

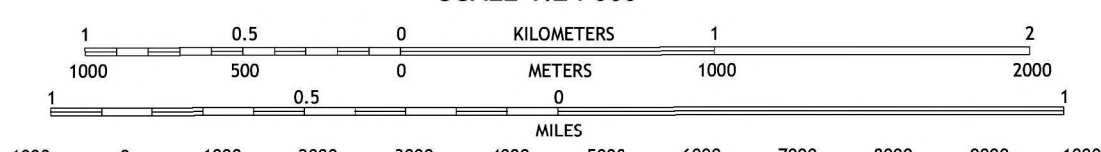


Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 15R
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery.....	NAIP, September 2016 - November 2016
Roads.....	U.S. Census Bureau, 2015 - 2019
Names.....	GNS, 1979 - 2012
Hydrography.....	National Hydrography Dataset, 2002 - 2019
Contours.....	National Elevation Dataset, 2010 - 2019
Boundaries.....	Multiple sources; see metadata file 2019 - 2021
Wetlands.....	FWS Wetlands Inventory Not Available

U.S. National Grid
100,000 - m Square ID
TP
Grid Zone Designation
15R

SCALE 1:24 000



CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program U.S. Topo Product Standard







QUADRANGLE LOCATION




1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

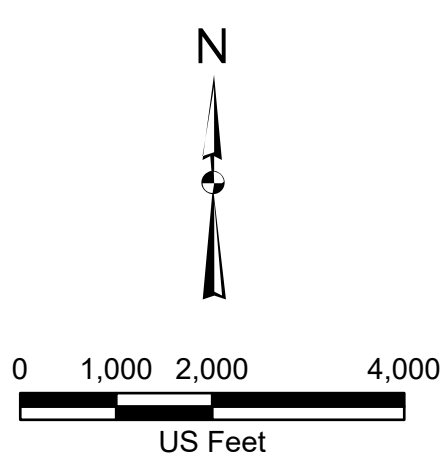
- 1 Hockley
- 2 Rose Hill
- 3 Tomball
- 4 Warren Lake
- 5 Satsuma
- 6 Katy
- 7 Addicks
- 8 Hedwig Village

ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	

 Interstate Route	 US Route	 State Route
--------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------

CYPRESS, TX
2022

Harris County Improvement District
No. 13

BGE, Inc.
10777 Westheimer, Suite 500, Houston TX 77042
Tel: 281-558-8700 Fax: 281-558-9701
www.bgeinc.com

TPDES Renewal Permit Application

USGS Quad Map
Corresponds to Domestic Administrative Report 1.0
Section 13, Page 10 and Supplemental Permit
Information Form Section 5, Page 2

Date: January 2025

Attachment No: 2

Attachment 3 – Plain Language Summary

Corresponds to Domestic Technical Report 1.0, Section 8.F, Page 7



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Dunham Pointe Development LLC (CN605730555) operates Harris County Improvement District No. 13 Wastewater Treatment Plant (RN109251041), a complete mix activated sludge plant with nitrification process. The facility is located at approximately 1.3 miles southeast of the intersection of SH 290 and Mason Road, in Cypress, Harris County, Texas 77433. This application is for a renewal to discharge at an annual average flow of 600,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the

treatment units will include a bar screen, aeration basins, final clarifiers, sludge digesters, and chlorine contact basins.

PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

Dunham Pointe Development LLC (CN605730555) opera Harris County Improvement District No. 13 Wastewater Treatment Plant RN109251041, una planta de lodos activados de mezcla completa con proceso de nitrificación. La instalación está ubicada en aproximadamente 1,3 millas al sureste de la intersección de SH 290 y Mason Road , en Cypress, Condado de Harris, Texas 77433. Esta solicitud es para una renovación para descargar a un flujo promedio anual de 600,000 galones por día de aguas residuales domésticas tratadas .

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD₅), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH₃-N) y Escherichia coli. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7. Análisis de contaminantes del efluente tratado en el paquete de solicitud de permiso. Aguas residuales domésticas. están tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán reja de barras, cuencas de aireación, clarificadores finales, digestores de lodos y cuencas de contacto de cloro.

Attachment 4 – Supplemental Permit Information Form

Corresponds to Domestic Administrative Report 1.0, Page 14

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Dunham Pointe Development LLC

Permit No. WQ00 15490001EPA ID No. TX 0137219

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

The facility is located approximately 1.3 miles southeast of the intersection of State Highway 290 and Mason Road.

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Ms.

First and Last Name: Julia Frankovich

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Project Manager

Mailing Address: 10777 Westheimer Rd Ste 400

City, State, Zip Code: Houston, TX 77042

Phone No.: 713-488-8186 Ext.: Fax No.: 281-646-7651

E-mail Address: jfrankovich@bgeinc.com

2. List the county in which the facility is located: Harris
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

N/A

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

Effluent discharges into Cypress Creek, HCFCD Unit No. K159-00-00.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- ☐ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☒ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

1. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

Approximately 6.5 acres of land has been cleared as part of the first phase of the wastewater treatment plant. No additional land is expected to be impacted.

2. Describe existing disturbances, vegetation, and land use:

Plant site has been cleared of vegetation. Additional treatment units are proposed in cleared areas of the property.

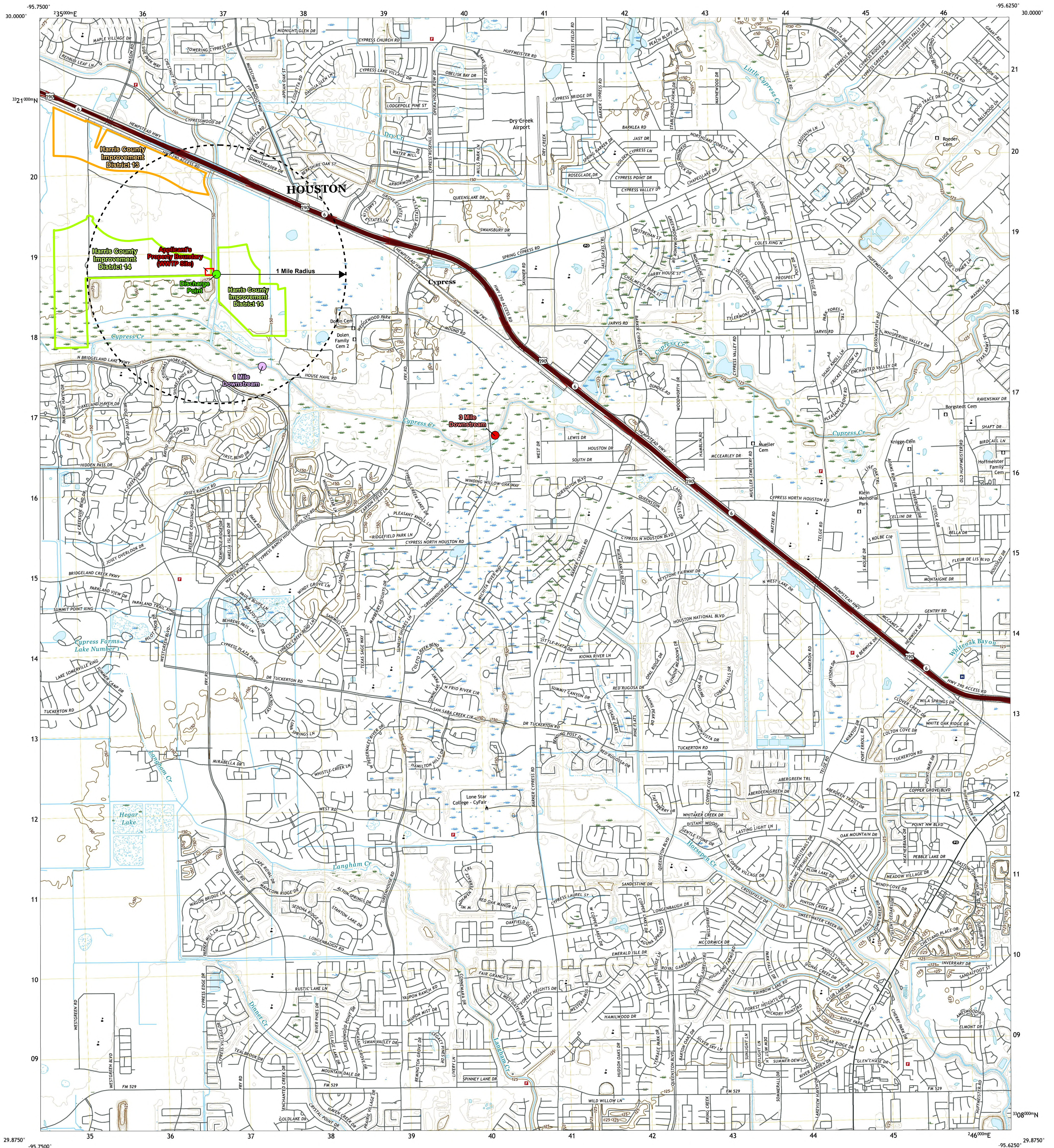
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

3. List construction dates of all buildings and structures on the property:

N/A

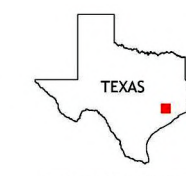
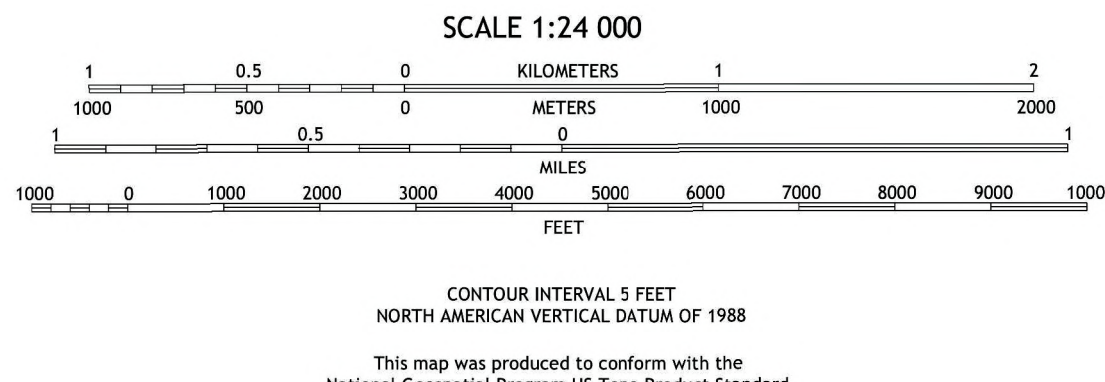
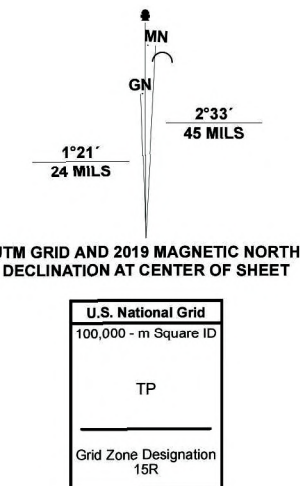
4. Provide a brief history of the property, and name of the architect/builder, if known.

N/A



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 15R
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

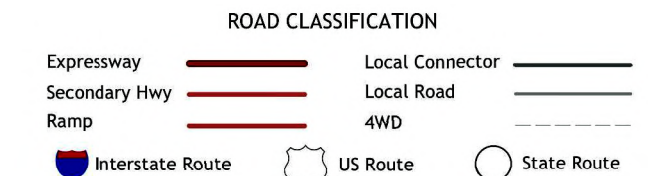
Imagery.....NAP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2019
Names.....GNS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2010
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available



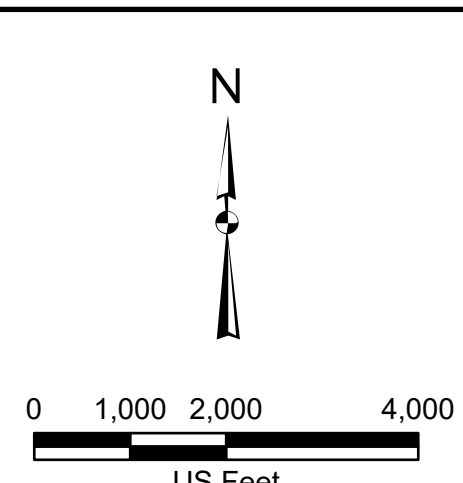
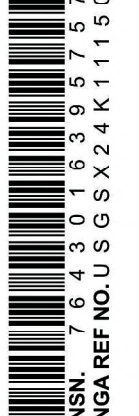
1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

1 Hockley
2 Rose Hill
3 Tomball
4 Warren Lake
5 Sattuma
6 Katy
7 Addicks
8 Hedwig Village



CYPRESS, TX
2022



**Harris County Improvement District
No. 13**

BGE, Inc.
10777 Westheimer, Suite 500, Houston TX 77042
Tel: 281-558-8700 Fax: 281-558-8701
www.bgeinc.com

TPDES Renewal Permit Application

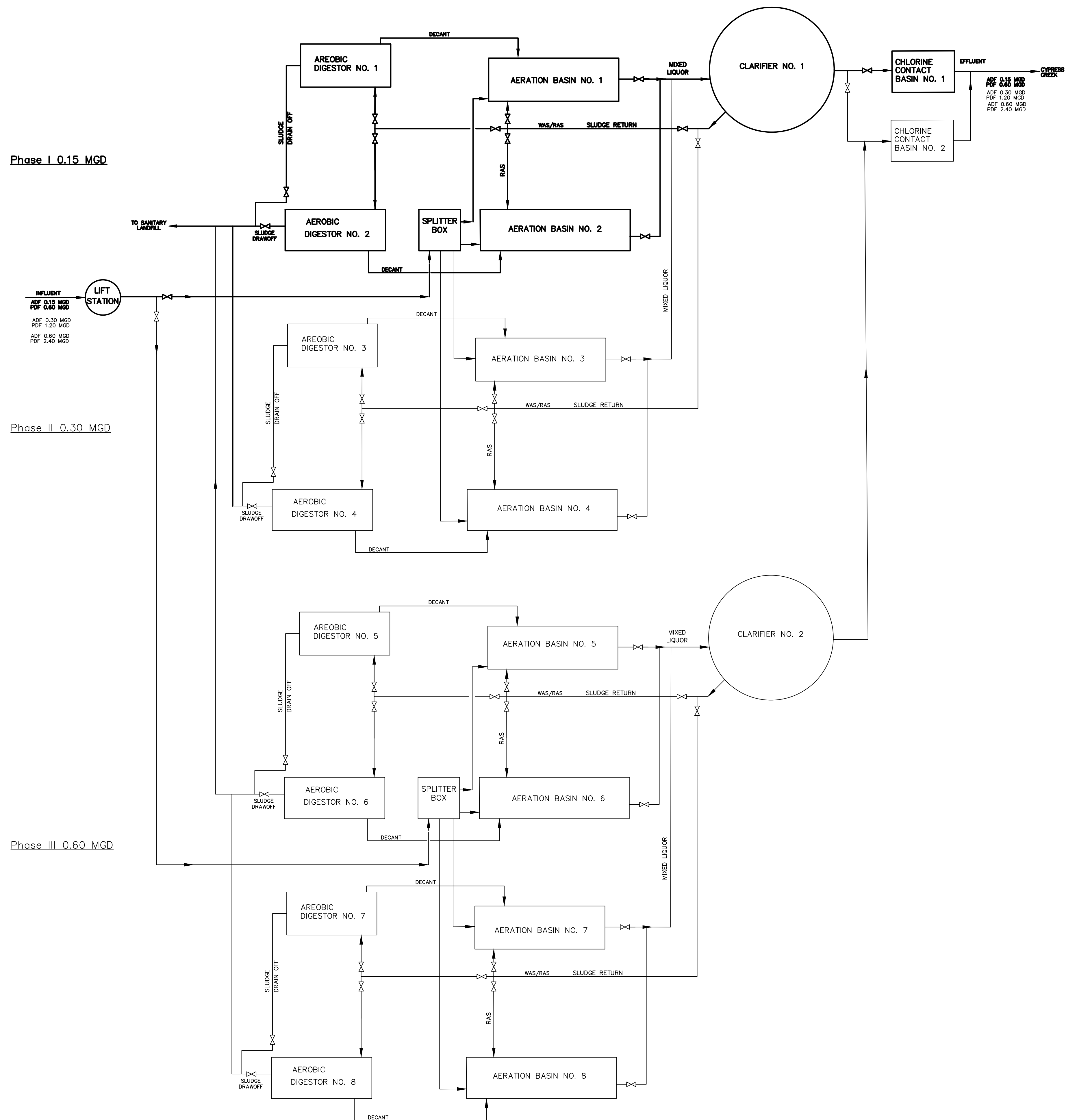
USGS Quad Map
Corresponds to Domestic Administrative Report 1.0
Section 13, Page 10 and Supplemental Permit
Information Form Section 5, Page 2

Date: January 2025 Attachment No: 2

Attachment 5 – Flow Diagrams

Corresponds to Domestic Technical Report 1.0, Section 2.C, Page 2

C:\00014076-00\PM\01_CADD\05_Exhibits\A1_5_Flow_Diagram.dwg-Layout1 Plotted Dec 16, 2024 at 10:19am by tsburpant | Session #33-44-22



HARRIS COUNTY IMPROVEMENT DISTRICT NO. 13

BGE, Inc.
10777 Westheimer, Suite 400, Houston, TX 77042
Tel: 281-558-8700 • www.bgeinc.com
TBPE Registration No. F-1046

TDPS RENEWAL PERMIT APPLICATION

FLOW DIAGRAM ULTIMATE 0.6 MGD
CORRESPONDS TO DOMESTIC TECHNICAL
REPORT 1.0, ITEM 2.C, PAGE 2

DATE:
JANUARY 2025

PROJECT #:
14076

EXHIBIT:
5

Attachment 6 – Site Drawing with Service Area

Corresponds to Domestic Technical Report 1.0, Section 3, Page 3

Attachment 7 – Summary Transmittal Letter

Corresponds to Domestic Technical Report 1.0, Section 6.A, Page 4

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 9, 2023

Aaron, Orozco, P.E.
BGE, Inc.
10777 Westheimer Road, Suite 400
Houston, Texas 77042

Re: Harris County Improvement District 13
Harris County Improvement District No. 13 WWTP Phase Two - 0.30 MGD
Permit No. WQ0015490-001
WWPR Log No. 1122/073
CN605730555, RN109251041
Harris County

Dear Mr. Orozco:

TCEQ received the project summary transmittal letter dated November 14, 2022.

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(e), 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 conditionally approved for construction. The condition of this approval is that the chlorine contact basin contain baffles to ensure the required 20-minute detention time.**

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.

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

Aaron, Orozco, P.E.

Page 2

January 9, 2023

waste discharge requirements authorized in a permit by the TCEQ. Certain specific items which shall be addressed in the engineering report are discussed in §217.10. Additionally, the engineering report must include all constants, graphs, equations, and calculations needed to show substantial compliance with Chapter 217.

No variances of any 30 TAC Chapter 217 requirements were requested or granted as part of this project review. 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.

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.

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) 239-1372.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul A. Brochi", with a long horizontal flourish extending to the right.

Paul A. Brochi, P.E.

Wastewater Permits Section (MC 148)

Water Quality Division

Texas Commission on Environmental Quality

PAB/tc

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 23, 2017

KEITH P. KARNOSKI, P.E.
BROWN & GAY ENGINEERS
10777 WESTHEIMER ROAD, SUITE 400
HOUSTON, TX 77077

Re: MASON WESTGREEN, LP
HARRIS COUNTY IMPROVEMENT DISTRICT NO. 13 WASTEWATER TREATMENT
PLANT PHASE 1
Permit No. WQ0015490001
WWPR Log No. 0217/075
CN603358250, RN109251041
HARRIS County

Dear MR. KARNOSKI:

We have received the project summary transmittal letter dated February 2, 2017.

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 not 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.

- 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,

KEITH P. KARNOSKI, P.E.

Page 2

February 23, 2017

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)(1)-(10).

- 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.
- 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.
- 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) 239-4924.

Sincerely,



Mark D. Hall, P.E.

Wastewater Permits Section (MC 148)

Water Quality Division

Texas Commission on Environmental Quality

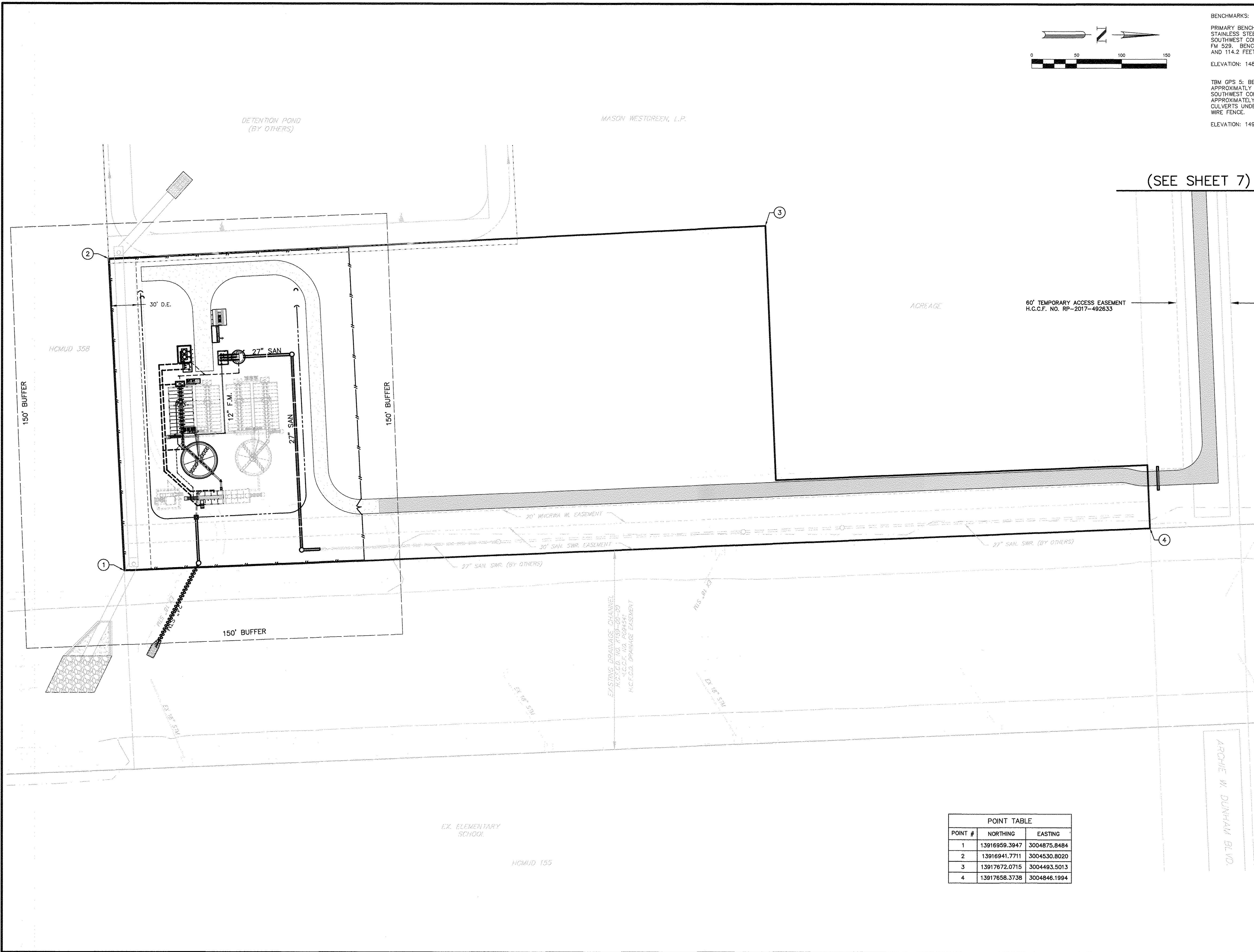
MDH/tc

cc: TCEQ, Region 12 Office

Attachment 8 – Buffer Zone Exhibit

Corresponds to Domestic Technical Report 1.0, Section 6.B, Page 5

BGE, INC.
X:\Districts\Harris\WTP_PHL_015K02_4115_03_CADD\01_ConstructionPlans\01_Sheets\04115_POINT_LAYOUT.dwg Dec 13, 2017 2:09pm amg/pln



BENCHMARKS:

PRIMARY BENCHMARK: FLOODPLAIN RM 200120- BENCHMARK IS A STAINLESS STEEL ROD INSIDE OF ALUMINUM SLEEVE LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF KATY-HOCKLEY ROAD AND FM 529. BENCHMARK IS 43- FEET SOUTH OF THE CENTERLINE OF FM 529 AND 114.2 FEET WEST OF THE CENTERLINE OF KATY-HOCKLEY ROAD.

ELEVATION: 148.90 FEET NAVD-88, 2001 ADJUSTMENT

TBM GPS 5: BENCHMARK IS A TXDOT ALUMINUM DISK SET IN CONCRETE APPROXIMATELY 1-FOOT BELOW NATURAL GROUND LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF FM 539 AND PEEK ROAD APPROXIMATELY 49.5 FEET SOUTHWEST OF THE WEST END OF 2 CONCRETE CULVERTS UNDER PEEK ROAD AND 19.4 FEET NORTHEAST OF A BARBED WIRE FENCE.

ELEVATION: 149.37 FEET NAVD-88, 2001 ADJUSTMENT

(SEE SHEET 7)

REV. NO.	DATE	DESCRIPTION	P.E. APPR.
△			
△			
△			

BGE, Inc.
10777 Westheimer, Suite 400
Houston, TX 77042
Tel: 281-558-8700 • www.bgeinc.com
TBPE Registration No. F-1046

Keith P. Karnoski
Brown & Goy Engineers, Inc.
F-1046

HARRIS COUNTY IMPROVEMENT
DISTRICT NO. 13

WASTEWATER TREATMENT
PLANT PHASE 1
(0.15 MGD CAPACITY)

POINT LAYOUT

DATE:	DECEMBER 2017	DESIGNED BY:	D.S.
		DRAWN BY:	B.P.

JOB NUMBER: 4115-00

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

WATER	TRAFFIC AND TRANSPORTATION
WASTEWATER	STORM WATER QUALITY
STORM	FACILITIES
STREET & BRIDGE	

FILE NO: FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE

1"=50'

SHEET No: 8 OF 42



POINT TABLE		
POINT #	NORTHING	EASTING
1	13916959.3947	3004875.8484
2	13916941.7711	3004530.8020
3	13917672.0715	3004493.5013
4	13917658.3738	3004846.1994

Attachment 9 – Sewage Sludge Solids Management Plan

Corresponds to Domestic Technical Report 1.0, Section 6.F, Page 8

Attachment 9 – Sewage Sludge Solids Management Plan

Domestic Technical Report 1.0, Section 6.F, Page 9

1. Dimensions of all sewage sludge treatment units

Phase I: 0.15 mgd – digestion
2 – 22 ft. x 12 ft. x 13.167 ft.
6,952 cu. ft. total capacity

Phase II: 0.30 mgd – digestion
4 – 22 ft. x 12 ft. x 13.167 ft.
13,904 cu. ft. total capacity

Phase III: 0.60 mgd – digestion
8 – 22 ft. x 12 ft. x 13.167 ft.
27,809 cu. ft. total capacity

Influent BOD Concentration = 250 mg/L

2. Calculation of solids generated at Q, 0.25Q, 0.5Q, 0.75Q

Phase I: 0.15 mgd

Solids Generated	100% flow	75% flow	50% flow	25% flow
Pounds Influent BOD ₅	313	235	156	78
Pounds of digested dry sludge produced*	109	82	55	27
Pounds of wet sludge produced	5,473	4,105	2,737	1,368
Gallons of wet sludge produced	656	492	328	164

*Assuming 0.35 pounds of digested dry sludge produced per pound of influent BOD₅ at average temperatures and 2.0% solids concentration in the digester.

Phase II: 0.30 mgd

Solids Generated	100% flow	75% flow	50% flow	25% flow
Pounds Influent BOD ₅	626	469	313	156
Pounds of digested dry sludge produced*	219	164	109	55
Pounds of wet sludge produced	10,946	8,210	5,473	2,737
Gallons of wet sludge produced	1,313	984	656	328

Phase III: **0.60 mgd**

Solids Generated	100% flow	75% flow	50% flow	25% flow
Pounds Influent BOD ₅	1,251	938	626	313
Pounds of digested dry sludge produced*	438	328	219	109
Pounds of wet sludge produced	21,893	16,419	10,946	5,473
Gallons of wet sludge produced	2,625	1,969	1,313	656

3. Operating Range for mixed liquor suspended solids (MLSS) in the treatment process are:

The plant will be operated in the single-stage nitrification mode. The expected operating range for the MLSS will be 2,000 to 3,000 mg/l.

4. Description of procedure and method of solids removal:

After organic reduction and sludge stabilization occurs in the digesters, sludge will be removed by a TCEQ registered hauler to a permitted sludge dewatering facility. Following dewatering, sludge will be transported by a TCEQ registered hauler to a registered disposal site.

5. Identification and ownership of disposal site:

The sludge will be transported by Magna Flow Environmental (TCEQ Transporter Permit No. 21484). The sludge will be dewatered at Mount Houston Road Municipal Utility District (Permit No. WQ0011154001) located approximately 1.3 miles northwest of the intersection of State Highway 249 and Veterans Memorial Drive, Houston, Texas. The dewatered sludge will be disposed at Evergro Organic Recycling Inc. located at 12470 Sralla Road in Crosby, Texas 77532 (Permit No. WQ005244000).

Rainee Trevino

From: Rainee Trevino
Sent: Tuesday, January 7, 2025 3:57 PM
To: Julia Frankovich
Cc: Shiann Hernandez
Subject: RE: Application to Renew Permit No. WQ0015490001- Notice of Deficiency Letter

My apologies,

I did not mention in my previous email below that the paper copy has been received.

Regards,

Rainee Trevino

Water Quality Division | ARP Team
Texas Commission on Environmental Quality
512-239-4324



From: Rainee Trevino
Sent: Tuesday, January 7, 2025 8:16 AM
To: Julia Frankovich <JFrankovich@bgeinc.com>
Cc: Shiann Hernandez <SHernandez@bgeinc.com>
Subject: RE: Application to Renew Permit No. WQ0015490001- Notice of Deficiency Letter

Good morning,

The payment has been verified. I will review the response today.

Regards,

Rainee Trevino

Water Quality Division | ARP Team
Texas Commission on Environmental Quality
512-239-4324



From: Julia Frankovich <JFrankovich@bgeinc.com>
Sent: Monday, January 6, 2025 3:06 PM
To: Raine Trevino <Raine.Trevino@tceq.texas.gov>
Cc: Shiann Hernandez <SHernandez@bgeinc.com>
Subject: Re: Application to Renew Permit No. WQ0015490001- Notice of Deficiency Letter

Good afternoon,

We have reviewed the Notice of Deficiency Letter. I've attached a response document to the comments. Have the check and hard copies of the application still not been located?

Best Regards,

Julia Frankovich

BGE, Inc.

+1 (713) 488-8186

From: Raine Trevino <Raine.Trevino@tceq.texas.gov>
Sent: Friday, December 27, 2024 4:56 PM
To: Julia Frankovich <JFrankovich@bgeinc.com>
Cc: Shiann Hernandez <SHernandez@bgeinc.com>
Subject: Application to Renew Permit No. WQ0015490001- Notice of Deficiency Letter

Some people who received this message don't often get email from raine.trevino@tceq.texas.gov.
[Learn why this is important](#)

Dear Ms. Frankovich,

The attached Notice of Deficiency letter sent on December 27, 2024, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by January 10, 2025.

Regards,

Raine Trevino

Water Quality Division | ARP Team

Texas Commission on Environmental Quality

512-239-4324





January 6, 2025

Texas Commission on Environmental Quality (TCEQ)
12100 Park 35 Circle
Austin, Texas 78735

Attn: Ms. Rainee Trevino
Applications Review and Processing Team (MC-148)
Water Quality Division
Texas Commission of Environmental Quality

Re: TPDES Permit Renewal Application
Harris County Improvement District No. 13 Wastewater Treatment Plant
TCEQ Permit No. WQ0015490001

Dear Ms. Trevino:

We received your memo dated December 27, 2024 with comments for the referenced Harris County Improvement District No. 13 Permit Renewal (Permit No. WQ0015490001). The following are our proposed resolutions to each comment:

1. **Administrative Report 1.0, Section 1:** The application indicates that a processing fee of \$1,615.00 was submitted. However, we are currently unable to verify the payment has been received. If payment has not been submitted, please submit payment to: TCEQ, Revenue Section (MC214), P.O. Box 13087, Austin, Texas 78711-3088.

Response: The original check and cover letter were sent by UPS Next Day Air on December 19, 2024 and arrived at 12100 Park 35 Circle, Cashiers Office MC-214 at 1:41 PM on Friday, December 20, 2024. A copy of the UPS delivery information is provided with this letter.

2. Our records indicate that an original paper copy of the application has not been received. The original paper copy and e-copy are both required. Please submit the original paper copy of the application by:

The regular mailing address is:

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Processing Team (MC148)
P.O. Box 13087
Austin, Texas 78711-3087

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BGE, Inc. · 10777 Westheimer Road, Suite 400 · Houston, Texas 77042 · 281-558-8700 · www.bgeinc.com

The hand delivery address is:

Texas Commission on Environmental Quality
Applications Review and Processing Team
Building F, Room 2101
12100 Park 35 Circle
Austin, Texas 78753

The express mail address is:

Executive Director
Applications Review and Processing Team (MC148)
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Response: The original permit application and two copies were sent by UPS Next Day Air on December 19, 2024 and arrived at 12100 Park 35 Circle at 1:41 PM on Friday, December 20, 2024. A copy of the UPS delivery information is provided with this letter.

3. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Dunham Pointe Development LLC, 1305 Afton Street, Houston, Texas 77055, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015490001 (EPA I.D. No. TX0137219) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 600,000 gallons per day. The domestic wastewater treatment facility is located approximately 1.3 miles southeast of the intersection of Mason Road and State Highway 290, in the city of Cypress, in Harris County, Texas 77433. The discharge route is from the plant site to Harris County Flood Control Ditch (HCFCD), thence to Cypress Creek. TCEQ received this application on December 19, 2024. The permit application will be available for viewing and copying at Northwest Branch Library, Shelf Reference Area, 11355 Regency Green Drive, Cypress, in Harris County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.729166,29.972222&level=18>

Further information may also be obtained from Dunham Pointe Development LLC at the address stated above or by calling Ms. Julia Frankovich, P.E., BGE, Inc., at 281-558-8700.

Response: No errors were found in the above text.

Ms. Raine Trevino
January 6, 2025
Page 3

Should you have any questions or require additional information, please contact me at jfrankovich@bgeinc.com. I can be reached by phone at 713-488-8186.

Thank you,

A handwritten signature in black ink that reads "Julia Frankovich". The signature is written in a cursive style with a large, stylized "J" and "F".

Julia Frankovich, P.E.
Project Manager

Enclosures