



# Administrative Package Cover Page

**This file contains the following documents:**

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



# Portada de Paquete Administrativo

**Este archivo contiene los siguientes documentos:**

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
  - Inglés
  - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
  - Inglés
  - Idioma alternativo (español)
3. Solicitud original



## 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 Enter 'INDUSTRIAL' or 'DOMESTIC' here 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.*

Harris County Municipal Utility District No. 387 (CN600738421) operates Harris County Municipal Utility District No. 387 Wastewater Treatment Facility (RN103907028), a domestic wastewater treatment facility. The facility is located at 25810 ½ Gosling Road, in Spring, Harris County, Texas 77389. A major amendment to remove Total Dissolved Solids (TDS) limits and monitoring from the permit.

Discharges from the facility are expected to contain CBOD<sub>5</sub>, TSS, Ammonia Nitrogen, TDS, Chloride, E. coli, pH, and DO. Domestic wastewater from residential and commercial development is treated by primary treatment using screening, then activated sludge process with aeration basins and clarifiers, followed by disinfection using chlorination.

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

**AGUAS RESIDUALES** Introduzca 'INDUSTRIALES' o 'DOMÉSTICAS' aquí /**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.*

Harris County Municipal Utility District No. 387 (CN600738421) opera Harris County Municipal Utility District No. 387 Wastewater Treatment Facility (RN103907028, una planta de tratamiento de aguas residuales domésticas . La instalación está ubicada en 25810 ½ Gosling Road, en Spring, Condado de Harris, Texas 77389. Una enmienda importante para eliminar los límites de sólidos disueltos totales (TDS) y el monitoreo del permiso .

Se espera que las descargas de la instalación contengan CBOD5, TSS, nitrógeno amoniacal, TDS, cloruro, E. coli, pH y DO . Aguas residuales domésticas procedentes de desarrollos residenciales y comerciales . está tratado por Tratamiento primario mediante cribado, posterior proceso de lodos activados con tanques de aireación y clarificadores, seguido de desinfección mediante cloración. .

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



## NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT AMENDMENT

PERMIT NO. WQ0014347001

**APPLICATION.** Harris County Municipal Utility District No. 387, 1300 Post Oak Boulevard, Suite 1400, Houston, Texas 77056, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0014347001 (EPA I.D. No. TX0124907) to authorize the removal of the Total Dissolved Solids limits. The domestic wastewater treatment facility is located at 25810 1/2 Gosling Road, near Spring, in Harris County, Texas 77389. The discharge route is from the plant site directly to Spring Creek. TCEQ received this application on June 16, 2025. The permit application will be available for viewing and copying at Lone Star College-Creekside Center, 8747 West New Harmony Trail, The Woodlands, in Harris County, Texas, and at Montgomery County South Regional Library, front desk, 2101 Lake Robbins Drive, The Woodlands, in Montgomery 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=-95.503866,30.137894&level=18>

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

**ADDITIONAL NOTICE.** TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

**PUBLIC COMMENT / PUBLIC MEETING.** You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a



public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

**OPPORTUNITY FOR A CONTESTED CASE HEARING.** After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application. If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing.** A contested case hearing is a legal proceeding similar to a civil trial in state district court.

**TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST:** your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

**MAILING LIST.** If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Search the database using the permit number for this application, which is provided at the top of this notice.

**AGENCY CONTACTS AND INFORMATION.** All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at [www.tceq.texas.gov/goto/pep](http://www.tceq.texas.gov/goto/pep). Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Harris County Municipal Utility District No. 387 at the address stated above or by calling Mr. Kameron Pugh, P.E., Senior Project Manager, IDS Engineering Group, at 713-462-3178.

Issuance Date: July 1, 2025

# Comisión de Calidad Ambiental del Estado de Texas



## AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA MODIFICACION

**PERMISO NO. WQ0014347001**

**SOLICITUD.** Harris County Municipal Utility District No. 387, 1300 Post Oak Boulevard, Suite 1400, Houston, Texas 77056, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0014347001 (EPA I.D. No. TX 0124907) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar La eliminación de los límites de sólidos disueltos totales. La planta está ubicada 25810 1/2 Gosling Road, near the city of Spring en el Condado de Harris, Texas 77389. La ruta de descarga es del sitio de la planta a Spring Creek. La TCEQ recibió esta solicitud el 16 de junio del 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Lone Star College-Creekside Center, recepción, 8747 West New Harmony Trail, The Woodlands, in Harris County, Texas and at Montgomery County South Regional Library, recepción, 2101 Lake Robbins Drive, The Woodlands, in Montgomery County, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

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

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.503866,30.137894&level=18>

**AVISO DE IDIOMA ALTERNATIVO.** El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

**AVISO ADICIONAL.** El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

**COMENTARIO PUBLICO / REUNION PUBLICA.** Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ

realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

**PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS:** su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.**

**LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas

correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

**CONTACTOS E INFORMACIÓN A LA AGENCIA.** Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Harris County Municipal Utility District No. 387 a la dirección indicada arriba o llamando a Sr. Kameron Pugh, P.E., Senior Project Manager, IDS Engineering Group, al 713-462-3178.

Fecha de emisión: 1 de julio de 2025



June 5, 2025

Executive Director  
Applications Review and Processing Team (MC-148)  
Texas Commission on Environmental Quality  
12100 Park 35 Circle  
Austin, Texas 78735

Reference: Harris County Municipal Utility District No. 387 WWTP Discharge Limitations  
TPDES Permit No. WQ0014347001  
IDS Project No. 1414-010-02

Dear Sir or Madam:

I am writing on behalf of Harris County Municipal Utility District No. 387 (the District) concerning TPDES Permit No. WQ0014347001, specifically regarding the Total Dissolved Solids (TDS) limitations currently imposed.

The District is seeking to remove the Total Dissolved Solids (TDS) limits from the permit, supported by a recent Harmonic Means Analysis conducted by the Texas Commission on Environmental Quality (TCEQ). We believe the District has consistently met compliance under the updated standards of the daily maximum and daily average TDS, as evidenced by the past five years of Discharge Monitoring Report (DMR) data (attached to this letter).

We appreciate your consideration of this request and are available to provide any additional information or clarification as needed. Please feel free to contact me directly at 713.462.3178 or via email at [kpugh@idseg.com](mailto:kpugh@idseg.com).

Sincerely,

A handwritten signature in blue ink, appearing to read "Kameron Pugh", is written over a faint, large, light-blue diamond-shaped watermark.

Kameron Pugh, P.E.  
Senior Project Manager

Enclosure:

- Discharge Monitoring Report (DMR) Data (5 years)

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June 5, 2025

Executive Director  
Applications Review and Processing Team (MC-148)  
Texas Commission on Environmental Quality  
12100 Park 35 Circle  
Austin, Texas 78735

Reference: Harris County Municipal Utility District No. 387 WWTP  
TPDES Permit No. WQ0014347001 – Major Amendment Application  
IDS Project No. 1414-010-02

Dear Sir or Madam:

Please find one (1) original and two (2) copies of the TPDES Permit amendment application submitted on behalf of Harris County Municipal Utility District No. 387. An electronic copy of the application has also been submitted via TCEQ's file transfer protocol server (FTP).

One (1) check for the application fee in the amount of \$2,015 has been sent to the Texas Commission on Environmental Quality Financial Administration Division (MC-214). A copy of the checks has been included with the attached package.

If you have any questions, do not hesitate to contact me at [kpugh@idseg.com](mailto:kpugh@idseg.com) or at 832.590.7187.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kameron Pugh", is written over a faint, light blue diamond-shaped watermark.

Kameron Pugh, P.E.  
Senior Project Manager

Enclosures

- TPDES Permit Major Amendment Application

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# TCEQ

## Domestic Wastewater Permit Application Major Amendment

Harris County Municipal Utility District No. 387  
Permit No. WQ0014347-001

IDS Project No. 1414-010-02

June 2025





# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Harris County MUD No. 387

PERMIT NUMBER (If new, leave blank): WQ0014347-001

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 checked="" type="checkbox"/> | <input type="checkbox"/>            | Affected Landowners Map  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| SPIF                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Landowner Disk or Labels | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Core Data Form               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Buffer Zone Map          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Summary of Application (PLS) | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Flow Diagram             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Public Involvement Plan Form | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Site Drawing             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Technical Report 1.0         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Original Photographs     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Technical Report 1.1         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Design Calculations      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Worksheet 2.0                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Solids Management Plan   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Worksheet 2.1                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Water Balance            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Worksheet 3.0                | <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 checked="" type="checkbox"/> | <input 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 type="checkbox"/> |
| ≥1.0 MGD            | \$2,050.00 <input checked="" type="checkbox"/> | \$2,015.00 <input type="checkbox"/> |

Minor Amendment (for any flow) \$150.00 ☐

**Payment Information:**

Mailed      Check/Money Order Number: 220694  
Check/Money Order Amount: \$2,050.00  
Name Printed on Check: IDS ENGINEERING GROUP, 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 Water 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 checked="" type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input type="checkbox"/> Renewal without changes                           | <input type="checkbox"/> Minor Modification of permit           |

e. For amendments or modifications, describe the proposed changes: Remove TDS limits from the existing permit based on historical data (see Attachment No. 17)

f. For existing permits:

Permit Number: WQ00 14347-001

EPA I.D. (TPDES only): TX 0124907

Expiration Date: November 14, 2027

### 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?

Harris County Municipal Utility District No. 387

*(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: 600738421

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: Stephen A. Mills

Title: Board 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?

Click to enter text.

*(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: Click to enter text.

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: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Click to enter text.

### 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 No. 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: Mr.

Last Name, First Name: Pugh, Kameron

Title: Senior Project Manager

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Ste 700 City, State, Zip Code: Houston, Texas, 77040

Phone No.: 713-462-3178

E-mail Address: KPugh@idseg.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr.

Last Name, First Name: Abram, Chad

Title: District Engineer

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Ste 700 City, State, Zip Code: Click to enter text.

Phone No.: 713-462-3178

E-mail Address: CAbram@idseg.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: Mr.

Last Name, First Name: Pugh, Kameron

Title: Senior Project Manager

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Ste 700 City, State, Zip Code: Houston, Texas, 77040

Phone No.: 713-462-3178

E-mail Address: KPugh@idseg.com

B. Prefix: Mr.

Last Name, First Name: Abram, Chad

Title: District Engineer

Credential: P.E.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Ste 700 City, State, Zip Code: Houston, Texas, 77040

Phone No.: 713-462-3178

E-mail Address: CAbram@idseg.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: Smith, Trevor

Title: Bookkeeper

Credential: Click to enter text.

Organization Name: Municipal Accounts & Consulting, LP

Mailing Address: 611 Longmire Rd Suite 1 City, State, Zip Code: Conroe, TX, 77304

Phone No.: 936-756-1644

E-mail Address: tsmith@ 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: Ms.

Last Name, First Name: Young, Susan

Title: Operator

Credential: Click to enter text.

Organization Name: Municipal District Services, LLC

Mailing Address: 406 W Grand Parkway S Suite 260 City, State, Zip Code: Katy, TX, 77494

Phone No.: 281-290-3102

E-mail Address: syoung@mdswater.com

## Section 8. Public Notice Information (Instructions Page 27)

### A. Individual Publishing the Notices

Prefix: Mr.

Last Name, First Name: Kameron Pugh

Title: Senior Project Manager

Credential: Click to enter text.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Suite 700  
77040

City, State, Zip Code: Houston, TX

Phone No.: 713-462-3178

E-mail Address: KPugh@idseg.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: Mr.

Last Name, First Name: Kameron Pugh

Title: Senior Project Manager

Credential: Click to enter text.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Suite 700  
77040

City, State, Zip Code: Houston, TX

Phone No.: 713-462-3178

E-mail Address: KPugh@idseg.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: Montgomery County South Regional Library

Location within the building: Front Desk

Physical Address of Building: 2101 Lake Robbins Drive

City: The Woodlands

County: Montgomery

Contact (Last Name, First Name): Sosa, Steve

Phone No.: 936-522-2699 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? Spanish

#### F. Summary of Application in Plain Language Template

Complete the F. Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS, and include as an attachment.

**Attachment:** Attachment No. 2

#### 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:** Attachment No. 3

### 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 101404309

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 MUD No. 387 Wastewater Treatment Facility

C. Owner of treatment facility: Harris County MUD No. 387

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

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

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: Harris County MUD No. 387

Mailing Address: 1300 Post Oak Blvd., Suite 1400 City, State, Zip Code: Houston, TX, 77056

Phone No.: 713-462-3178 E-mail Address: cabram@idseg.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:** Click to enter text.



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): Spring, TX

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:** Attachment No. 4

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

## Section 11. TLAP Disposal Information (Instructions Page 32)

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

- ☐ Yes      ☐ No

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

N/A

- 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: Firoj Vahora

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: [Click to enter text.](#)

## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: Click to enter text. WA0014347001

Applicant: Click to enter text. Harris County Municipal Utility District No. 387

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): Stephen A. Mills

Signatory title: Board President

Signature: \_\_\_\_\_

(Use blue ink)

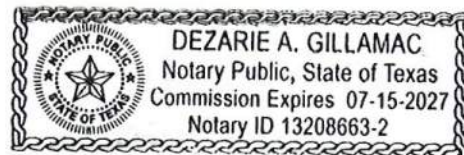
Date: \_\_\_\_\_

Subscribed and Sworn to before me by the said Stephen A. Mills

on this 28th day of May, 20 25.

My commission expires on the 15th day of July, 20 25.

D. Gillamac  
Notary Public



[SEAL]

Harris  
County, Texas

# DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

## Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☒ The applicant's property boundaries
  - ☒ The facility site boundaries within the applicant's property boundaries
  - ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
  - ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
  - ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
  - ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
  - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
  - ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
  - ☐ The property boundaries of all landowners surrounding the effluent disposal site
  - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
  - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. ☒ Indicate by a check mark that the landowners list has also been provided as mailing labels in electronic format (Avery 5160).
- D. Provide the source of the landowners' names and mailing addresses: Harris County Appraisal District and Montgomery Central Appraisal District
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- ☐ Yes      ☒ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

Click to enter text.

## Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided. N/A

- ☐ At least one original photograph of the new or expanded treatment unit location
- ☐ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☐ At least one photograph of the existing/proposed effluent disposal site
- ☐ A plot plan or map showing the location and direction of each photograph

## Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels. **See Attachment No. 8**

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- ☒ Ownership
- ☒ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

- ☐ Yes
- ☒ No

# **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:** Attachment No. 9

# 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 Labels and Cross Reference List ☐ N/A ☒ Yes  
*(See instructions for landowner requirements)*

Electronic Application Submittal ☒ Yes  
*(See application submittal requirements on page 23 of the instructions.)*

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)*

Summary of Application (in Plain Language) ☒ Yes





# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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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 42)

#### A. Existing/Interim I Phase

Design Flow (MGD): 1.5

2-Hr Peak Flow (MGD): 6.0

Estimated construction start date: March 2013

Estimated waste disposal start date: September 2013

#### B. Interim II Phase

Design Flow (MGD): 1.8

2-Hr Peak Flow (MGD): 7.2

Estimated construction start date: January 2018

Estimated waste disposal start date: July 2020

#### C. Final Phase

Design Flow (MGD): 3.0

2-Hr Peak Flow (MGD): 12.0

Estimated construction start date: January 2026

Estimated waste disposal start date: December 2026

#### D. Current Operating Phase: Interim II Phase

Provide the startup date of the facility: August 2020

### Section 2. Treatment Process (Instructions Page 42)

#### 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.**

See Attachment No. 11

## 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) |
|-----------------------|-----------------|------------------------|
| See Attachment No. 12 |                 |                        |
|                       |                 |                        |
|                       |                 |                        |
|                       |                 |                        |
|                       |                 |                        |
|                       |                 |                        |

## C. Process Flow Diagram

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

**Attachment:** Attachment No. 13

## Section 3. Site Information and Drawing (Instructions Page 43)

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

- Latitude: 30.139414
- Longitude: -95.499230

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:** Attachment No. 14

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

The Woodlands Village of Creekside Park. A development primarily for single-family residential, retail, and commercial uses

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 MUD 387 Collection System            | Harris County MUD 387            | Publicly Owned  | 0                 |
| Harris-Montgomery County MUD 386 Collection System | Harris-Montgomery County MUD 386 | Publicly Owned  | 40,000            |
|                                                    |                                  | Choose an item. |                   |
|                                                    |                                  | Choose an item. |                   |

### Section 4. Unbuilt Phases (Instructions Page 44)

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.**

N/A

### Section 5. Closure Plans (Instructions Page 44)

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.

N/A

## Section 6. Permit Specific Requirements (Instructions Page 44)

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: Interim I Phase (6/11/2012). Interim II Phase (11/01/2017)

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.**

N/A

### 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.

N/A

### 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*.

Quarterly progress reports for WET testing

### 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 CT54 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. Attachment No. 15

#### 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 BOD<sub>5</sub> concentration of the sludge, and the design BOD<sub>5</sub> 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 BOD<sub>5</sub> concentration of the septic waste, and the design BOD<sub>5</sub> 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 49)

Is the facility in operation?

☒ Yes ☐

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.

**Table1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities (See DMR data attached for TDS Limit Removal Request Letter – Major Amendment)**

| Pollutant                              | Average Conc. | Max Conc. | No. of Samples | Sample Type | Sample Date/Time |
|----------------------------------------|---------------|-----------|----------------|-------------|------------------|
| CBOD <sub>5</sub> , mg/l               |               |           |                |             |                  |
| Total Suspended Solids, mg/l           |               |           |                |             |                  |
| Ammonia Nitrogen, mg/l                 |               |           |                |             |                  |
| Nitrate Nitrogen, mg/l                 |               |           |                |             |                  |
| Total Kjeldahl Nitrogen, mg/l          |               |           |                |             |                  |
| Sulfate, mg/l                          |               |           |                |             |                  |
| Chloride, mg/l                         |               |           |                |             |                  |
| Total Phosphorus, mg/l                 |               |           |                |             |                  |
| pH, standard units                     |               |           |                |             |                  |
| Dissolved Oxygen*, mg/l                |               |           |                |             |                  |
| Chlorine Residual, mg/l                |               |           |                |             |                  |
| <i>E.coli</i> (CFU/100ml) freshwater   |               |           |                |             |                  |
| Enterococci (CFU/100ml) saltwater      |               |           |                |             |                  |
| Total Dissolved Solids, mg/l           |               |           |                |             |                  |
| Electrical Conductivity, µmohs/cm, †   |               |           |                |             |                  |
| Oil & Grease, mg/l                     |               |           |                |             |                  |
| Alkalinity (CaCO <sub>3</sub> )*, mg/l |               |           |                |             |                  |

\*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 <sub>3</sub> ), mg/l |               |           |                |             |                  |

## Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Municipal District Services, LLC

Facility Operator's License Classification and Level: A

Facility Operator's License Number: OC0000129

## Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 50)

### A. WWTP's Sewage Sludge or Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☒ Design flow  $\geq$  1 MGD
- ☒ Serves  $\geq$  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 Sewage Sludge or 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 ( $\geq 2$  years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: [Click to enter text.](#)

### C. Sewage Sludge or Biosolids Management

Provide information on the *intended* sewage sludge or biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the

permit will authorize all sewage sludge or 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 |
|---------------------|------------------------------------------|-----------------------|--------------------------|----------------------------|------------------------------------|
| Other               | Off-site Third-Party Handler or Preparer | Not Applicable        |                          | 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.                          | 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): Evergro Organic Recycling Inc.

#### D. Disposal site

Disposal site name:

TCEQ permit or registration number: N/A

County where disposal site is located: Click to enter text.

#### E. Transportation method

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

Name of the hauler: Magna-Flow Environmental

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 52)

#### A. Beneficial use authorization

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

☐ Yes ☒ No

If **yes**, are you requesting to continue this authorization to land apply biosolids 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 Biosolids    | <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  $1 \times 10^{-7}$  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 54)

### 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:** N/A

# DOMESTIC WASTEWATER PERMIT APPLICATION

## TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

### Section 1. Justification for Permit (Instructions Page 56)

#### A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

N/A. No additional phases are being requested.

#### B. Regionalization of facilities

For additional guidance, please review [TCEQ's Regionalization Policy for Wastewater Treatment](#)<sup>1</sup>.

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

##### 1. *Municipally incorporated areas*

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☒ No ☐ Not Applicable

If yes, within the city limits of: [Click to enter text.](#)

If yes, attach correspondence from the city.

Attachment: N/A

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: N/A

##### 2. *Utility CCN areas*

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☒ No

<sup>1</sup> <https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater>

If **yes**, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: N/A

### 3. *Nearby WWTPs or collection systems*

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☐ Yes ☒ No

If **yes**, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

Attachment: N/A

If **yes**, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

Attachment: N/A

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

Attachment: N/A

## Section 2. Proposed Organic Loading (Instructions Page 58)

Is this facility in operation?

☒ Yes ☐ No

If **no**, proceed to Item B, Proposed Organic Loading.

If **yes**, provide organic loading information in Item A, Current Organic Loading

### A. Current organic loading

Facility Design Flow (flow being requested in application): 1.5 MGD, 1.8 MGD, 3.0 MGD

Average Influent Organic Strength or BOD<sub>5</sub> Concentration in mg/l: 225.9, 240.6, 249.0

Average Influent Loading (lbs/day = total average flow X average BOD<sub>5</sub> conc. X 8.34):  
2826.3, 4414.2, 6229.0

Provide the source of the average organic strength or BOD<sub>5</sub> concentration.

Commercial and residential use

## B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

**Table 1.1(1) – Design Organic Loading**

| Source                                    | Total Average Flow (MGD) | Influent BOD5 Concentration (mg/l) |
|-------------------------------------------|--------------------------|------------------------------------|
| Municipality                              | N/A                      |                                    |
| Subdivision                               |                          |                                    |
| Trailer park – transient                  |                          |                                    |
| Mobile home park                          |                          |                                    |
| School with cafeteria and showers         |                          |                                    |
| School with cafeteria, no showers         |                          |                                    |
| Recreational park, overnight use          |                          |                                    |
| Recreational park, day use                |                          |                                    |
| Office building or factory                |                          |                                    |
| Motel                                     |                          |                                    |
| Restaurant                                |                          |                                    |
| Hospital                                  |                          |                                    |
| Nursing home                              |                          |                                    |
| Other                                     |                          |                                    |
| TOTAL FLOW from all sources               |                          |                                    |
| AVERAGE BOD <sub>5</sub> from all sources |                          |                                    |

## Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 58)

### A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: E. Coli 63 /100 ml

## B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: E. Coli 63 /100 ml

## C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: E. Coli 63 /100 ml

## D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 1 mg/l after 20 minutes detention time at peak flow

Dechlorination process: 0.2 mg/l

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

## Section 4. Design Calculations (Instructions Page 58)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: N/A – Existing facility/permit

## Section 5. Facility Site (Instructions Page 59)

### A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

☐ Yes ☐ No

If **no**, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

N/A – Existing facility/permit

Provide the source(s) used to determine 100-year frequency flood plain.

[Click to enter text.](#)

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

☐ Yes ☒ No

If **yes**, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

☐ Yes ☐ No

If **yes**, provide the permit number: [Click to enter text.](#)

If **no**, provide the approximate date you anticipate submitting your application to the Corps: [Click to enter text.](#)

#### B. Wind rose

Attach a wind rose: N/A

### Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 59)

#### A. Beneficial use authorization

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☒ No

If **yes**, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: [Click to enter text.](#)

#### B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

- ☐ Sludge Composting
- ☐ Marketing and Distribution of sludge
- ☐ Sludge Surface Disposal or Sludge Monofill

If **any of the above**, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: [Click to enter text.](#)

### Section 7. Sewage Sludge Solids Management Plan (Instructions Page 60)

Attach a solids management plan to the application.

**Attachment:** N/A

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow

- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

# 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 63)

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 63)

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 63)

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 63)

Name of the immediate receiving waters: [Click to enter text.](#)

#### 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.

[Click to enter text.](#)

### 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.

[Click to enter text.](#)

### E. Normal dry weather characteristics

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

[Click to enter text.](#)

Date and time of observation: [Click to enter text.](#)

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☐ No

## Section 5. General Characteristics of the Waterbody (Instructions Page 65)

### 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.

☐ Oil field activities

☐ Urban runoff

☐ Upstream discharges

☐ Agricultural runoff

☐ Septic tanks

☐ Other(s), specify: [Click to enter text.](#)

## 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 type="checkbox"/> Other(s), specify: <a href="#">Click to enter text.</a> |

## 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

# DOMESTIC WASTEWATER PERMIT APPLICATION

## WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

### Section 1. All POTWs (Instructions Page 87)

#### A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs – non-categorical, and Other IUs.

**If there are no users, enter 0 (zero).**

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

#### B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

☐ Yes ☒ No

**If yes**, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

N/A

### C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

☐ Yes ☒ No

If **yes**, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

N/A

### D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2.c. and 2.d. only, and skip Section 3.

If **no to either question above**, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

## Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 87)

### A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

☐ Yes ☐ No

If **yes**, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

**B. Non-substantial modifications**

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

☐ Yes ☐ No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

**C. Effluent parameters above the MAL**

In Table 6.0(1), list all parameters measured above the MAL in the POTW’s effluent monitoring during the last three years. Submit an attachment if necessary.

**Table 6.0(1) – Parameters Above the MAL**

| Pollutant | Concentration | MAL | Units | Date |
|-----------|---------------|-----|-------|------|
|           |               |     |       |      |
|           |               |     |       |      |
|           |               |     |       |      |
|           |               |     |       |      |
|           |               |     |       |      |
|           |               |     |       |      |

**D. Industrial user interruptions**

Has any SIU, CIU, or other IU caused or contributed to any problems (excluding interferences or pass throughs) at your POTW in the past three years?

☐ Yes ☐ No

If **yes**, identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.

Click to enter text.

### Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 88)

#### A. General information

Company Name: N/A

SIC Code: Click to enter text.

Contact name: Click to enter text.

Address: Click to enter text.

City, State, and Zip Code: Click to enter text.

Telephone number: Click to enter text.

Email address: Click to enter text.

#### B. Process information

Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (i.e., process and non-process wastewater).

N/A

#### C. Product and service information

Provide a description of the principal product(s) or services performed.

N/A

#### D. Flow rate information

See the Instructions for definitions of “process” and “non-process wastewater.”

Process Wastewater:

Discharge, in gallons/day: Click to enter text.

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: Click to enter text.

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

#### E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

☐ Yes ☐ No

Is the SIU or CIU subject to categorical pretreatment standards found in *40 CFR Parts 405-471*?

☐ Yes ☐ No

**If subject to categorical pretreatment standards**, indicate the applicable category and subcategory for each categorical process.

Category: Subcategories: [Click to enter text.](#)

[Click or tap here to enter text.](#) [Click to enter text.](#)

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

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

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

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

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

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

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

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

#### F. Industrial user interruptions

Has the SIU or CIU caused or contributed to any problems (e.g., interferences, pass through, odors, corrosion, blockages) at your POTW in the past three years?

☐ Yes ☐ No

**If yes**, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

N/A



# Attachments

| <u>Attachment No.</u> | <u>Description</u>                                                                                                    |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|
| 1.                    | Core Data Form (Admin. Report 1.0, Section 3.C)                                                                       |
| 2.                    | PLS – TCEQ Form 20972 (Admin. Report 1.0, Section 8.F)                                                                |
| 3.                    | Public Involvement Plan Form – TCEQ Form 20960 (Admin. Report 1.0, Section 8.G)                                       |
| 4.                    | Authorization to Discharge into HCFCD (Admin. Report 1.0, Section 10.C)                                               |
| 5.                    | USGS 7.5' Quadrangle Map (Admin. Report 1.0, Section 13)                                                              |
| 6.                    | Affected Landowners Map (Admin. Report 1.1, Section 1)                                                                |
| 7.                    | Payment Submittal Form Copy (Admin. Report 1.0, Section 1)                                                            |
| 8.                    | Buffer Zone Map (Admin. Report 1.1, Section 3)                                                                        |
| 9.                    | Supplemental Permit information Form (SPIF)                                                                           |
| 10.                   | USGS 7.5' Quadrangle Map (SPIF, 5)                                                                                    |
| 11.                   | Description of Treatment Process (Tech. Report 1.0, Section 2.A)                                                      |
| 12.                   | Treatment Units (Tech. Report 1.0, Section 2.B)                                                                       |
| 13.                   | Flow Diagrams (Tech. Report 1.0, Section 2.C)                                                                         |
| 14.                   | Site Drawing (Tech. Report 1.0, Section 3)                                                                            |
| 15.                   | Sewage Sludge Solids Management Plan (Tech. Report 1.0, Section 6.F)                                                  |
| 16.                   | Written Statement / Contractual Agreement with Permitted Sludge Processing Facility (Tech. Report. 1.0, Section 9.A.) |
| 17.                   | Proposed Amendment Description (Admin Report 1.0, Section 2.e)                                                        |

## **Attachment No. 1:**

**Core Data Form  
(Admin. Report 1.0, Section 3.C)**



# 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

|                                                                                                                                       |                                                                                       |                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>1. Reason for Submission</b> (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 type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)                                           | <input checked="" type="checkbox"/> Other <b>Major Amendment</b>                      |                                                         |
| <b>2. Customer Reference Number</b> (if issued)                                                                                       | <a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a> | <b>3. Regulated Entity Reference Number</b> (if issued) |
| CN 600738421                                                                                                                          |                                                                                       | RN 103907028                                            |

## SECTION II: Customer Information

|                                                                                                                                                                                                                                                                                                     |                                     |                                                                        |              |                                                                       |                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>4. General Customer Information</b>                                                                                                                                                                                                                                                              |                                     | <b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy) |              |                                                                       |                                                                                |
| <input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership<br><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>                                                                                                     |                                     |                                                                        |              |                                                                       |                                                                                |
| <b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)                                                                                                                                                                                                              |                                     |                                                                        |              | <i>If new Customer, enter previous Customer below:</i>                |                                                                                |
| Harris County Municipal Utility District No. 387                                                                                                                                                                                                                                                    |                                     |                                                                        |              |                                                                       |                                                                                |
| <b>7. TX SOS/CPA Filing Number</b>                                                                                                                                                                                                                                                                  |                                     | <b>8. TX State Tax ID</b> (11 digits)                                  |              | <b>9. Federal Tax ID</b><br>(9 digits)<br><br>20-1877286              | <b>10. DUNS Number</b> (if applicable)                                         |
| <b>11. Type of Customer:</b>                                                                                                                                                                                                                                                                        |                                     | <input 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 checked="" type="checkbox"/> Other                                                                                  |                                     | <input type="checkbox"/> Sole Proprietorship                           |              | <input checked="" type="checkbox"/> Other: Municipal Utility District |                                                                                |
| <b>12. Number of Employees</b>                                                                                                                                                                                                                                                                      |                                     |                                                                        |              | <b>13. Independently Owned and Operated?</b>                          |                                                                                |
| <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 checked="" type="checkbox"/> No   |                                                                                |
| <b>14. Customer Role</b> (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:<br><input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant       |                                     |                                                                        |              |                                                                       |                                                                                |
| <b>15. Mailing Address:</b>                                                                                                                                                                                                                                                                         | 1300 Post Oak Boulevard, Suite 1400 |                                                                        |              |                                                                       |                                                                                |
|                                                                                                                                                                                                                                                                                                     | <b>City</b>                         | Houston                                                                | <b>State</b> | TX                                                                    | <b>ZIP</b> 77056 <b>ZIP + 4</b> 3087                                           |
| <b>16. Country Mailing Information</b> (if outside USA)                                                                                                                                                                                                                                             |                                     |                                                                        |              | <b>17. E-Mail Address</b> (if applicable)                             |                                                                                |
|                                                                                                                                                                                                                                                                                                     |                                     |                                                                        |              | mgpage@sphllp.com                                                     |                                                                                |

|                             |                              |                                       |
|-----------------------------|------------------------------|---------------------------------------|
| <b>18. Telephone Number</b> | <b>19. Extension or Code</b> | <b>20. Fax Number (if applicable)</b> |
| ( 713 ) 462-3178            |                              | (   ) -                               |

## SECTION III: Regulated Entity Information

|                                                                                                                                                                        |                        |        |              |    |            |       |                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|--------------|----|------------|-------|----------------|--|
| <b>21. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected, a new permit application is also required.)                                    |                        |        |              |    |            |       |                |  |
| <input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information |                        |        |              |    |            |       |                |  |
| <i>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).</i>      |                        |        |              |    |            |       |                |  |
| <b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)                                                                  |                        |        |              |    |            |       |                |  |
| Harris County Municipal Utility District No. 387 Wastewater Treatment Plant                                                                                            |                        |        |              |    |            |       |                |  |
| <b>23. Street Address of the Regulated Entity:</b><br><br>(No PO Boxes)                                                                                                | 25810 1/2 Gosling Road |        |              |    |            |       |                |  |
|                                                                                                                                                                        |                        |        |              |    |            |       |                |  |
|                                                                                                                                                                        | <b>City</b>            | Spring | <b>State</b> | TX | <b>ZIP</b> | 77389 | <b>ZIP + 4</b> |  |
| <b>24. County</b>                                                                                                                                                      | Harris                 |        |              |    |            |       |                |  |

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

|                                                                                                                                                                                                                            |                                     |                   |                               |    |              |                                       |                |         |                         |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------|-------------------------------|----|--------------|---------------------------------------|----------------|---------|-------------------------|--|
| <b>25. Description to Physical Location:</b>                                                                                                                                                                               |                                     |                   |                               |    |              |                                       |                |         |                         |  |
| <b>26. Nearest City</b>                                                                                                                                                                                                    |                                     |                   |                               |    | <b>State</b> |                                       |                |         | <b>Nearest ZIP Code</b> |  |
|                                                                                                                                                                                                                            |                                     |                   |                               |    |              |                                       |                |         |                         |  |
| <i>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).</i> |                                     |                   |                               |    |              |                                       |                |         |                         |  |
| <b>27. Latitude (N) In Decimal:</b>                                                                                                                                                                                        |                                     |                   |                               |    |              | <b>28. Longitude (W) In Decimal:</b>  |                |         |                         |  |
| Degrees                                                                                                                                                                                                                    | Minutes                             |                   | Seconds                       |    | Degrees      | Minutes                               |                | Seconds |                         |  |
|                                                                                                                                                                                                                            |                                     |                   |                               |    |              |                                       |                |         |                         |  |
| <b>29. Primary SIC Code</b>                                                                                                                                                                                                | <b>30. Secondary SIC Code</b>       |                   | <b>31. Primary NAICS Code</b> |    |              | <b>32. Secondary NAICS Code</b>       |                |         |                         |  |
| (4 digits)                                                                                                                                                                                                                 | (4 digits)                          |                   | (5 or 6 digits)               |    |              | (5 or 6 digits)                       |                |         |                         |  |
| 4952                                                                                                                                                                                                                       |                                     |                   |                               |    |              |                                       |                |         |                         |  |
| <b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)                                                                                                                      |                                     |                   |                               |    |              |                                       |                |         |                         |  |
| Wastewater Treatment                                                                                                                                                                                                       |                                     |                   |                               |    |              |                                       |                |         |                         |  |
| <b>34. Mailing Address:</b>                                                                                                                                                                                                | 1300 Post Oak Boulevard, Suite 1400 |                   |                               |    |              |                                       |                |         |                         |  |
|                                                                                                                                                                                                                            |                                     |                   |                               |    |              |                                       |                |         |                         |  |
|                                                                                                                                                                                                                            | <b>City</b>                         | Houston           | <b>State</b>                  | TX | <b>ZIP</b>   | 77056                                 | <b>ZIP + 4</b> | 3087    |                         |  |
| <b>35. E-Mail Address:</b>                                                                                                                                                                                                 |                                     | mgpage@sphllp.com |                               |    |              |                                       |                |         |                         |  |
| <b>36. Telephone Number</b>                                                                                                                                                                                                |                                     |                   | <b>37. Extension or Code</b>  |    |              | <b>38. Fax Number (if applicable)</b> |                |         |                         |  |
| ( 713 ) 623-4531                                                                                                                                                                                                           |                                     |                   |                               |    |              | (   ) -                               |                |         |                         |  |

**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.

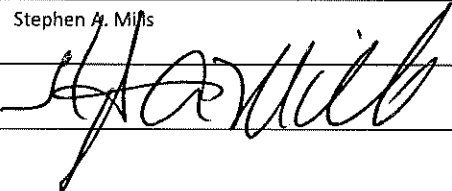
|                                                |                                                |                                                 |                                                  |                                                     |
|------------------------------------------------|------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| <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:                     |
|                                                |                                                |                                                 |                                                  |                                                     |

**SECTION IV: Preparer Information**

|                             |                      |                       |                           |                        |
|-----------------------------|----------------------|-----------------------|---------------------------|------------------------|
| <b>40. Name:</b>            | Kameron Pugh         |                       | <b>41. Title:</b>         | Senior Project Manager |
| <b>42. Telephone Number</b> | <b>43. Ext./Code</b> | <b>44. Fax Number</b> | <b>45. E-Mail Address</b> |                        |
| ( 713 ) 623-4531            |                      | (   ) -               | kpugh@idseg.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.

|                         |                                                                                     |                   |                   |
|-------------------------|-------------------------------------------------------------------------------------|-------------------|-------------------|
| <b>Company:</b>         | Harris County Municipal Utility District No. 387                                    | <b>Job Title:</b> | Board President   |
| <b>Name (In Print):</b> | Stephen A. Mills                                                                    | <b>Phone:</b>     | ( 713 ) 623- 4531 |
| <b>Signature:</b>       |  |                   | <b>Date:</b>      |

## **Attachment No. 2:**

**PLS – TCEQ Form 20972  
(Admin. Report 1.0, Section 8.F)**



## 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 Enter 'INDUSTRIAL' or 'DOMESTIC' here 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.*

Harris County Municipal Utility District No. 387 (CN600738421) operates Harris County Municipal Utility District No. 387 Wastewater Treatment Facility (RN103907028), a domestic wastewater treatment facility. The facility is located at 25810 ½ Gosling Road, in Spring, Harris County, Texas 77389. A major amendment to remove Total Dissolved Solids (TDS) limits and monitoring from the permit.

Discharges from the facility are expected to contain CBOD<sub>5</sub>, TSS, Ammonia Nitrogen, TDS, Chloride, E. coli, pH, and DO. Domestic wastewater from residential and commercial development is treated by primary treatment using screening, then activated sludge process with aeration basins and clarifiers, followed by disinfection using chlorination.

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

**AGUAS RESIDUALES** Introduzca 'INDUSTRIALES' o 'DOMÉSTICAS' aquí /**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.*

Harris County Municipal Utility District No. 387 (CN600738421) opera Harris County Municipal Utility District No. 387 Wastewater Treatment Facility (RN103907028, una planta de tratamiento de aguas residuales domésticas . La instalación está ubicada en 25810 ½ Gosling Road, en Spring, Condado de Harris, Texas 77389. Una enmienda importante para eliminar los límites de sólidos disueltos totales (TDS) y el monitoreo del permiso .

Se espera que las descargas de la instalación contengan CBOD5, TSS, nitrógeno amoniacal, TDS, cloruro, E. coli, pH y DO . Aguas residuales domésticas procedentes de desarrollos residenciales y comerciales . está tratado por Tratamiento primario mediante cribado, posterior proceso de lodos activados con tanques de aireación y clarificadores, seguido de desinfección mediante cloración. .



## **Attachment No. 3:**

**Public Involvement Plan Form – TCEQ Form 20960  
(Admin. Report 1.0, Section 8.G)**



Texas Commission on Environmental Quality

## Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

### Section 1. Preliminary Screening

- ☐ New Permit or Registration Application  
☒ New Activity - modification, registration, amendment, facility, etc. (see instructions)

**If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.**

### Section 2. Secondary Screening

- ☒ Requires public notice,  
☐ Considered to have significant public interest, and  
☒ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary.  
Stop after Section 2 and submit the form.**

- ☒ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

This modification is not expected to impact public health or the environment.

### Section 3. Application Information

#### Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V  
Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire  
☐ Radioactive Material Licensing ☐ Underground Injection Control

#### Water Quality

- ☒ Texas Pollutant Discharge Elimination System (TPDES)  
☐ Texas Land Application Permit (TLAP)  
☐ State Only Concentrated Animal Feeding Operation (CAFO)  
☐ Water Treatment Plant Residuals Disposal Permit  
☐ Class B Biosolids Land Application Permit  
☐ Domestic Septage Land Application Registration

#### Water Rights New Permit

- ☐ New Appropriation of Water  
☐ New or existing reservoir

#### Amendment to an Existing Water Right

- ☐ Add a New Appropriation of Water  
☐ Add a New or Existing Reservoir  
☐ Major Amendment that could affect other water rights or the environment

### Section 4. Plain Language Summary

Provide a brief description of planned activities.

This amendment seeks to remove the Total Dissolved Solids (TDS) limits from the permit, supported by a recent Harmonic Means Analysis conducted by the TCEQ. The facility has consistently met compliance standards, as evidenced by the past five years of Discharge Monitoring Report (DMR) data. Therefore, this modification is not expected to impact public health or the environment.

## Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

**Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.**

Spring

(City)

Harris

(County)

5553.01

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

☐

City

☒

County

☐

Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

82.5%

(b) Per capita income for population near the specified location

\$39,978

(c) Percent of minority population and percent of population by race within the specified location

White alone 67.8%

Black alone 21.1%

American Indian and Alaska Native alone 1.2%

(d) Percent of Linguistically Isolated Households by language within the specified location

44.7%

(e) Languages commonly spoken in area by percentage

English and Spanish

(f) Community and/or Stakeholder Groups

Harris County Communities Meeting

(g) Historic public interest or involvement

historically strong

## Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☒ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☐ No

If Yes, please describe.

**If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.**

(c) Will you provide notice of this application in alternative languages?

☒ Yes ☐ No

**Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.**

If yes, how will you provide notice in alternative languages?

- ☒ Publish in alternative language newspaper  
☐ Posted on Commissioner's Integrated Database Website  
☐ Mailed by TCEQ's Office of the Chief Clerk  
☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

- ☐ TCEQ Regional Office ☐ TCEQ Central Office  
☒ Public Place (specify) **Montgomery County South Regional Library**

## Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

- ☐ Publish in alternative language newspaper  
☐ Posted on Commissioner's Integrated Database Website  
☐ Mailed by TCEQ's Office of the Chief Clerk  
☐ Other (specify)

## **Attachment No. 4:**

**Authorization to Discharge into HCFC  
(Admin. Report 1.0, Section 10.C)**



Harris County  
Flood Control District

9900 Northwest Freeway  
Houston, Texas 77092  
713-684-4000  
[www.hcfcd.org](http://www.hcfcd.org)

May 25, 2012

Ms. Christine Winter, E.I.T.  
Pate Engineers  
13333 Northwest Freeway, Suite 300  
Houston, TX 77040

RE: Wastewater Discharge from H.C.M.U.D. No. 387  
Discharge of 3.0 MGD  
TCEQ Discharge Permit # WQ0014347001  
HCFCD Unit J100-00-00

Dear Ms. Winter:

The Harris County Flood Control District (HCFCD) has received your application for discharge into a Flood Control or County facility. Harris County's waterways are impaired for bacteria (E. coli), therefore HCFCD requests that discharges from H.C.M.U.D. No. 387 be monitored for bacteria (E. coli) with the other required parameters. Also, HCFCD requests a copy of the Draft Permit effluent limits to be forward when received from TCEQ. Your application is being processed and we have no objection at this time to a maximum daily average of 3.0 MGD discharge of treated wastewater into or toward HCFCD Unit J100-00-00, as long as monitoring reports for bacteria (E. coli) and Draft Permit effluent limits are submitted to HCFCD.

Please note that construction plans designed in accordance with Harris County Flood Control District's criteria and other adopted policies must be submitted for review to the Watershed Department.

If you should have any questions or need additional information, please contact our Stormwater Quality Department at 713-684-4177.

Sincerely,

Catherine A. Elliott  
Stormwater Quality Department Manager

CAE:ag

Attachment: Copy of Letter

cc: Mark Sherley  
Rondy Spardella  
TPDES

S:\Environmental\Master Documents (Forms)\NPDES FORMS\12-L5-25pateengrs HCMUD 387 J100-00-00 WWTP Approval Letter.doc

# PATE ENGINEERS

Certified Mail # 2011 0470 0000 6935 9712

May 21, 2012

Ms. Catherine Elliott  
Harris County Flood Control District  
9900 Northwest Freeway  
Houston, TX 77092

MAY 25 2012

Reference: Authorization for Discharge of Treated Effluent  
Harris County MUD No. 387 WWTP  
PATE Job No. 1414-002-00

Dear Ms. Elliott:

Pate Engineers, Inc. is in the process of preparing a wastewater discharge permit application to serve the proposed Harris County Municipal Utility District (MUD) No. 387 Wastewater Treatment Plant, on behalf of Harris County MUD No. 387. The plant will discharge treated domestic municipal wastewater effluent into Spring Creek, Segment No. 1008. Harris County Municipal Utility District No. 387 is making an application to the Texas Commission on Environmental Quality (TCEQ) to discharge in four separate phases: average daily flows of 0.96 MGD, 1.5 MGD, 2.2 MGD and 3.0 MGD for existing phase one, interim phase one, phase two, and final phase respectively. The TCEQ requires proof of authorization to discharge as part of the application process.

Therefore, on behalf of Harris County MUD No. 387, we hereby request in writing, approval to discharge treated domestic wastewater effluent into Spring Creek, Segment No. 1008. Also please find a completed Application for Discharge in a Flood Control or County Facility.

If you have any questions concerning this request, please do not hesitate to contact me via email at [cwinter@pateeng.com](mailto:cwinter@pateeng.com).

Very truly yours,

PATE ENGINEERS, INC.



Christine Winter, E.I.T.  
Design Engineer

Enclosures

Cc: Mr. Chad Abram, P.E. – Pate Engineers, Inc.

**J100-00-00**

**FCDOCID:  
PN4352**

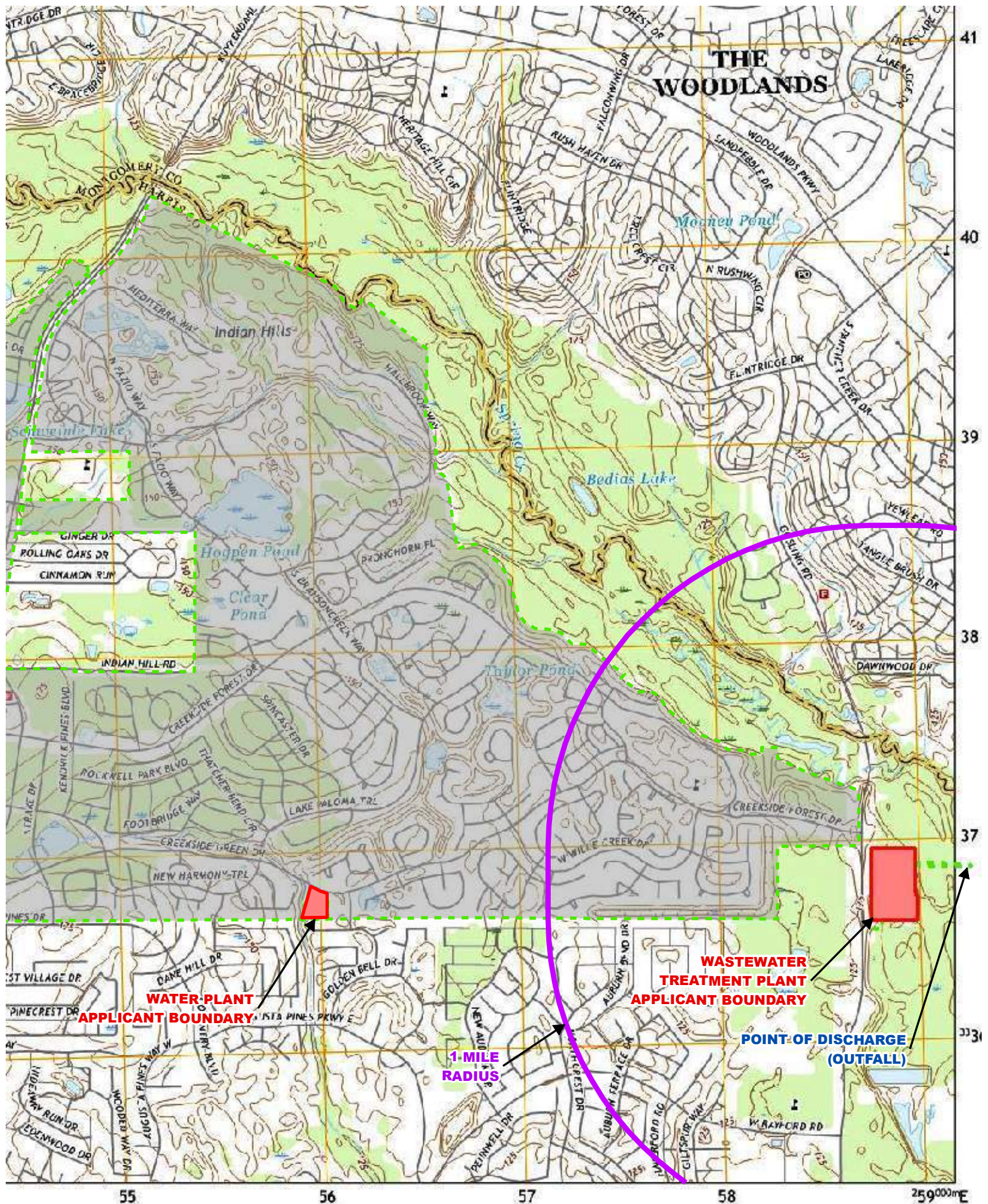
J:\1400\1414\00200 TPDES Amendment\300 ENG REPTS\80 Permit Correspondence\05182012 HCFCF Request for Approval.doc



## **Attachment No. 5:**

**USGS 7.5' Quadrangle Map  
(Admin. Report 1.0, Section 13)**

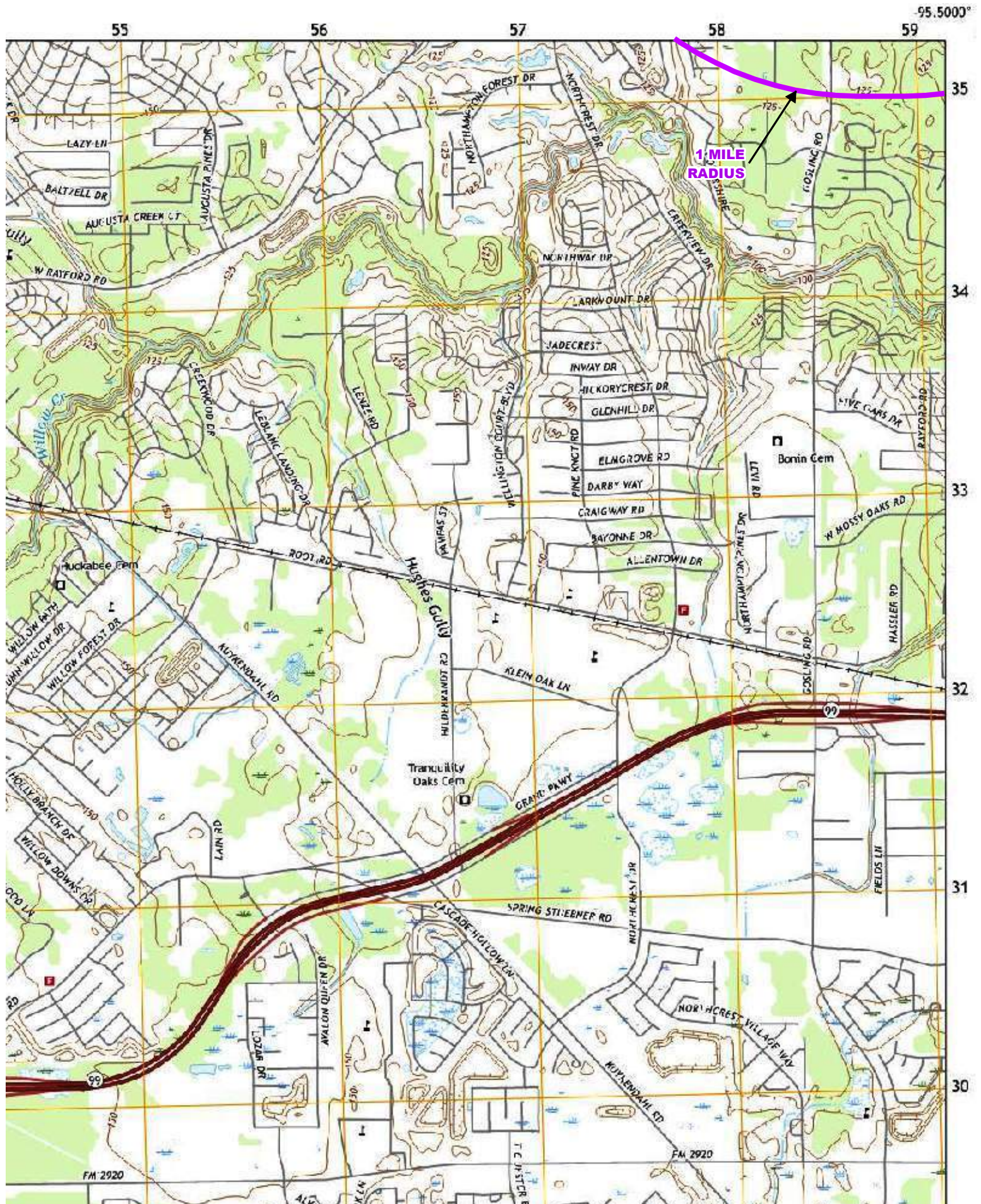




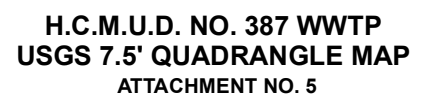








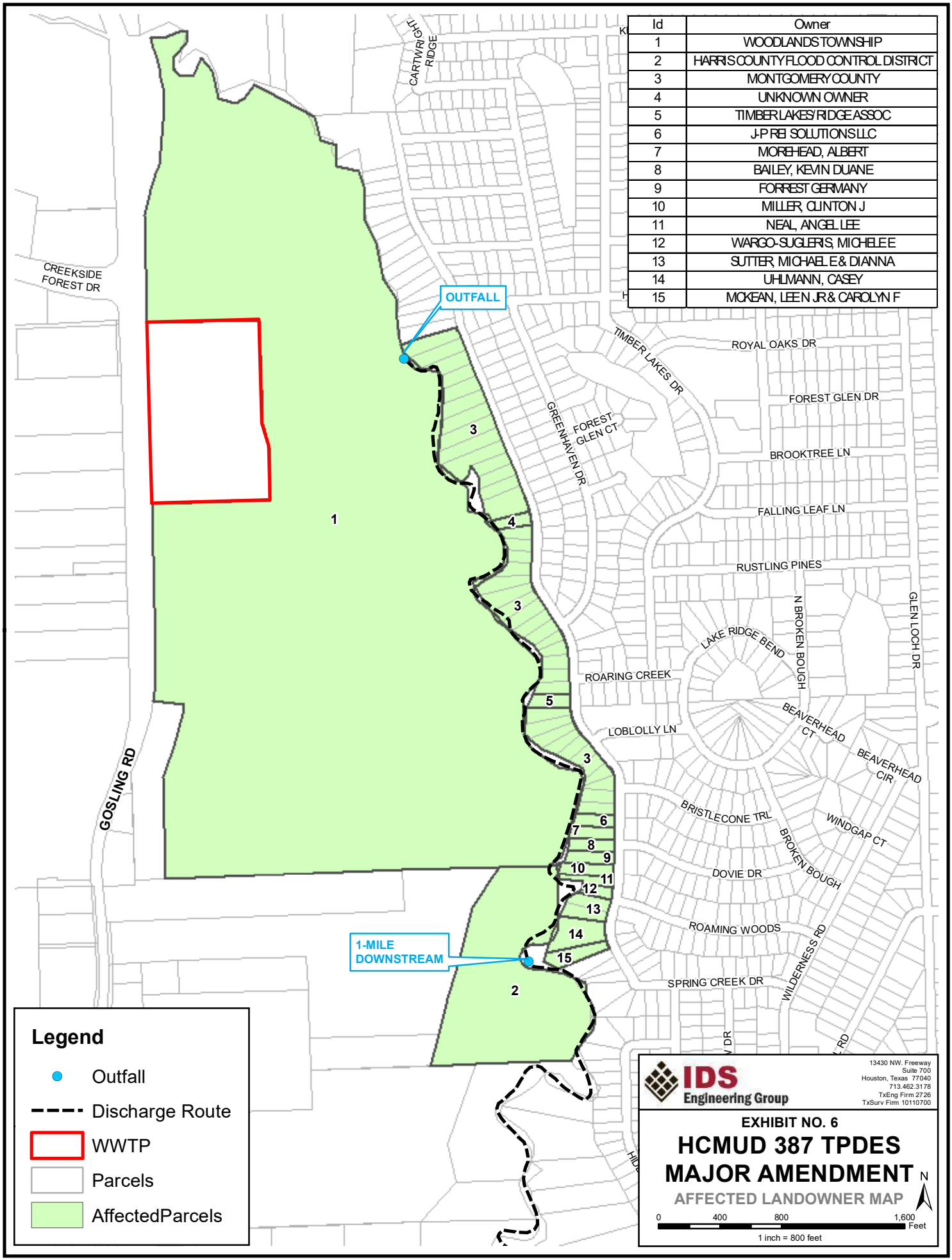






## **Attachment No. 6:**

**Affected Landowners Map  
(Admin. Report 1.1, Section 1)**



| <b>Id</b> | <b>Owner</b>                         | <b>MAddress</b>             | <b>City</b>   | <b>State</b> | <b>Zip</b> |
|-----------|--------------------------------------|-----------------------------|---------------|--------------|------------|
| 1         | WOODLANDS TOWNSHIP                   | WATERWAY PLAZA TWO          | SPRING        | TX           | 77389      |
| 2         | HARRIS COUNTY FLOOD CONTROL DISTRICT | 9900 NORTHWEST FWY          | SPRING        | TX           | 77389      |
| 3         | MONTGOMERY COUNTY                    | 400 N SAN JACINTO ST        | CONROE        | TX           | 77301-2823 |
| 4         | UNKNOWN OWNER                        | UNKNOWN UNKNOWN             |               |              | 77301      |
| 5         | TIMBER LAKES/RIDGE ASSOC             | 25610 TIMBER LAKES DR       | SPRING        | TX           | 77380-1653 |
| 6         | J-P REI SOLUTIONS LLC                | 15201 MASON RD STE 1000-303 | CYPRESS       | TX           | 77433-5932 |
| 7         | MOREHEAD, ALBERT                     | 1511 AVENUE C               | DENTON        | TX           | 76205-694  |
| 8         | BAILEY, KEVIN DUANE                  | 25019 SPRING CREEK DR       | SPRING        | TX           | 77380-2441 |
| 9         | FORREST GERMANY                      | PO BOX 130759               | SPRING        | TX           | 77393-0759 |
| 10        | MILLER, CLINTON J                    | 25011 SPRING CREEK DR       | SPRING        | TX           | 77380-2441 |
| 11        | NEAL, ANGEL LEE                      | 25007 SPRING CREEK DR       | SPRING        | TX           | 77380-2441 |
| 12        | WARGO-SUGLERIS, MICHELE E            | 5927 SANIT LAURENT DR       | AGOURA HILLS  | CA           | 91301-4634 |
| 13        | SUTTER, MICHAEL E & DIANNA           | 24935 SPRING CREEK DR       | SPRING        | TX           | 77380-2439 |
| 14        | UHLMANN, CASEY                       | 24923 SPRING CREEK DR       | SPRING        | TX           | 77380-2439 |
| 15        | MCKEAN, LEE N JR & CAROLYN F         | PO BOX 130250               | THE WOODLANDS | TX           | 77393-0250 |



## **Attachment No. 7:**

**Payment Submittal Form Copy  
(Admin. Report 1.0, Section 1)**

# 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: WQ0014347-001**

1. Check or Money Order Number: 220694
2. Check or Money Order Amount: \$2,050.00
3. Date of Check or Money Order: 6/5/2025
4. Name on Check or Money Order: IDS ENGINEERING GROUP, INC.
5. APPLICATION INFORMATION

Name of Project or Site: Harris County MUD No. 387 Wastewater Treatment Plant

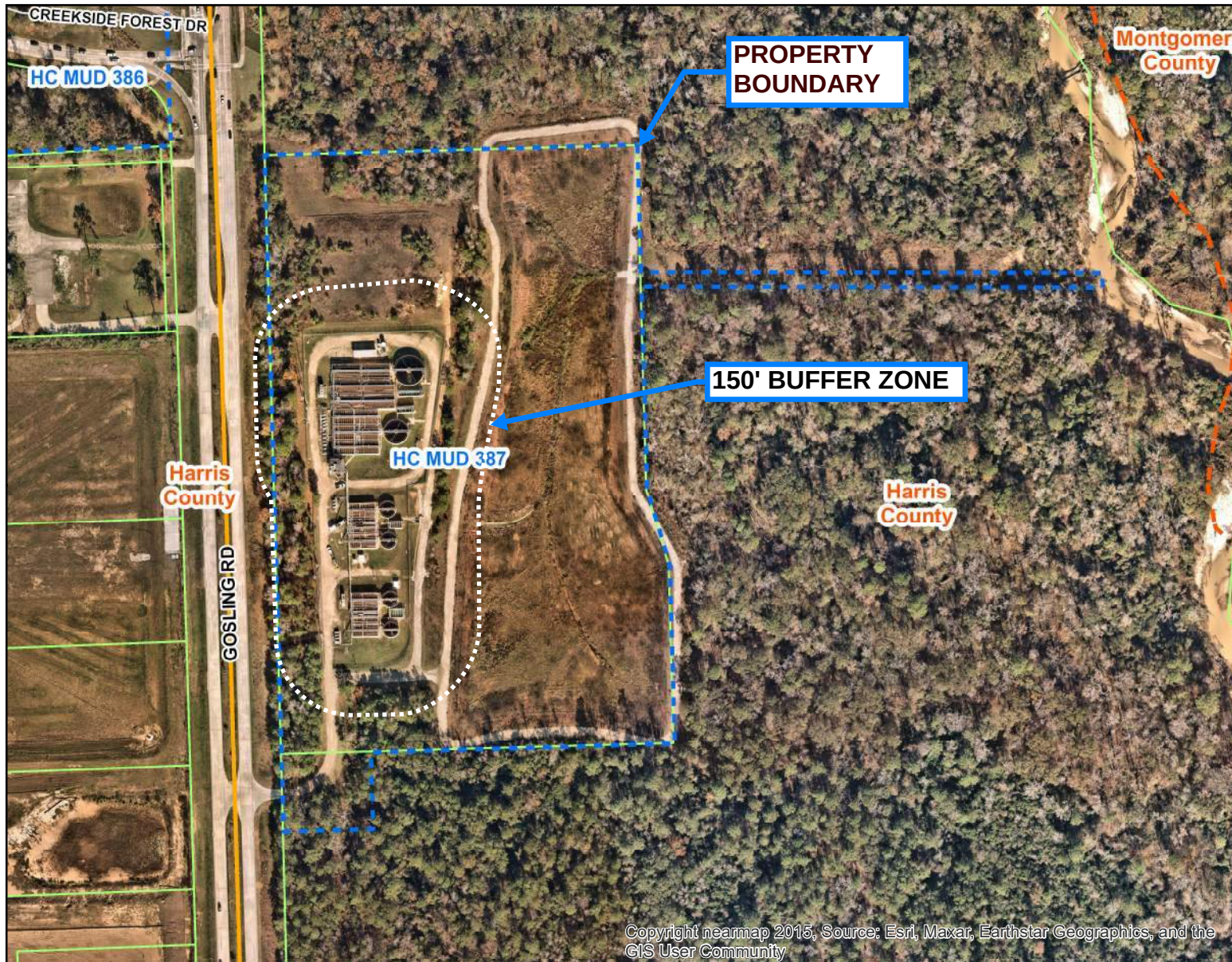
Physical Address of Project or Site: 25810 1/2 Gosling Road, Spring, TX 77389

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**

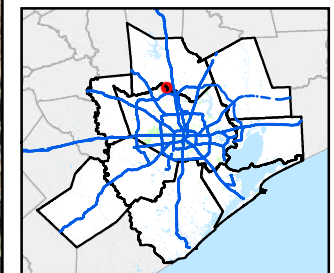
## **Attachment No. 8:**

**Buffer Zone Map  
(Admin. Report 1.1, Section 3)**



**Legend**

- IDS MUDs
- = Freeways
- Major Rds
- Minor Rds
- +— Railroads
- Harris Co  
Parcels (2023-  
04)
- - - County Line
- Low Resolution  
15m Imagery
- High Resolution  
60cm Imagery
- High Resolution  
30cm Imagery
- Citations
- 1.2m Resolution  
Metadata



Copyright nearmap 2015, Source: Esri, Maxar, Earthstar Geographics, and the  
GIS User Community

## Buffer Zone Map

Print Date: 6/5/2025 11:00:18 AM IDS Engineering Group

1 inch = 300 feet



Disclaimer: This web site represents the information that has been made available for the use of this system and does not necessarily include the most complete and/or accurate data. IDS Engineering Group does not warrant its accuracy or completeness. Verification should be done as necessary.

This GIS Exhibit may include copyrighted material (aerial photos) by either NearMap or H-GAC. All Rights Reserved.

## **Attachment No. 9:**

**Supplemental Permit information Form  
(SPIF)**



# 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](mailto:WQ-ARPTeam@tceq.texas.gov) or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Harris County Municipal Utility District No. 387

Permit No. WQ00 14347-001

EPA ID No. TX 0124907

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

25810 ½ Gosling Road, Spring, Tx, 77389

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): Mr.

First and Last Name: Chad Abram

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

Title: District Engineer

Mailing Address: 13430 Northwest Freeway, Suite 700

City, State, Zip Code: Houston, Tx, 77040

Phone No.: 713-462-3178 Ext.:

Fax No.:

E-mail Address: cabram@idseg.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.

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.

Discharge from a 36-inch pipe into Spring, Creek, Segment No. 1008

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):

There are no caves or karst features on the WWTP site. The surface area to be impacted is 6.46 acres

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

There are existing wastewater treatment units at the WWTP site surrounded by grass.

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

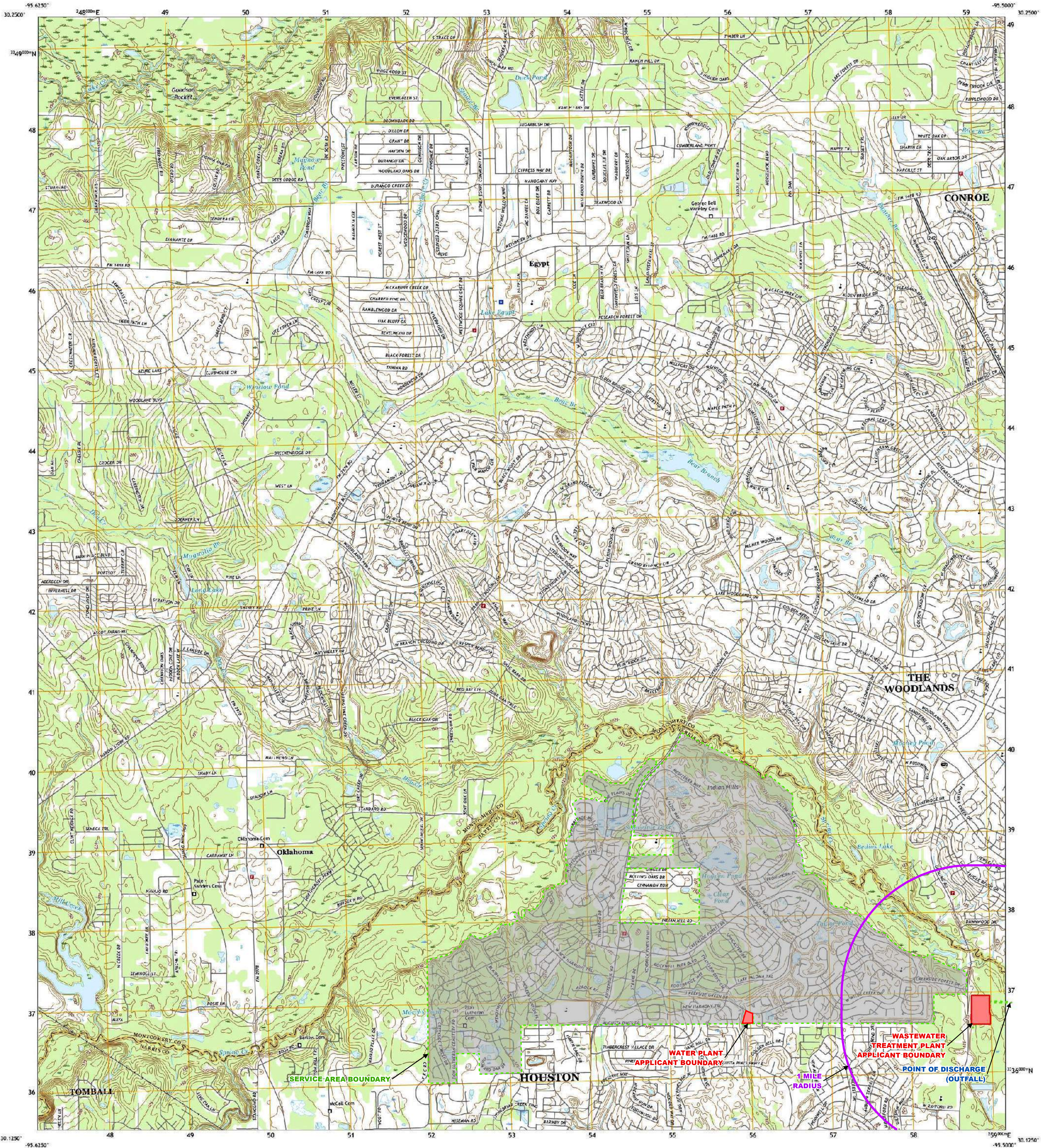
4. Provide a brief history of the property, and name of the architect/builder, if known.

N/A

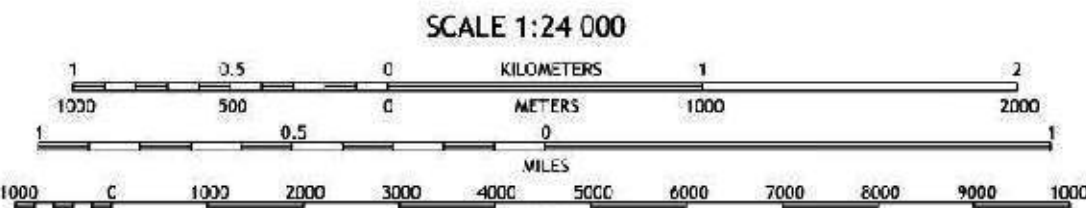
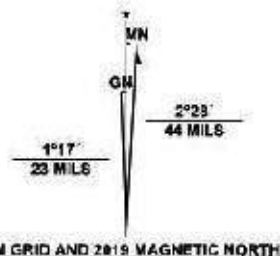
**Attachment No. 10:**

**USGS 7.5' Quadrangle Map  
(SPIF, 5)**

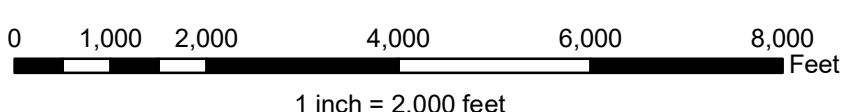




Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84), Projection and  
1 000 meter grid/Universal Transverse Mercator, Zone 15R  
This map is not a legal document. Boundaries may be  
generalized for this map scale. Private lands within government  
reservations may not be shown. Obtain permission before  
entering private lands.  
Image: 2016-11-16, JNIP, September 2016 - November 2016  
Roads: U.S. Census Bureau, 2015 - 2019



| ROAD CLASSIFICATION |                 |
|---------------------|-----------------|
| Expressway          | Local Connector |
| Secondary Hwy       | Local Road      |
| Ramp                | 4WD             |
| Interstate Route    | US Route        |
|                     | State Route     |







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.



SCALE 1:24 000



**ROAD CLASSIFICATION**

Local Connector \_\_\_\_\_

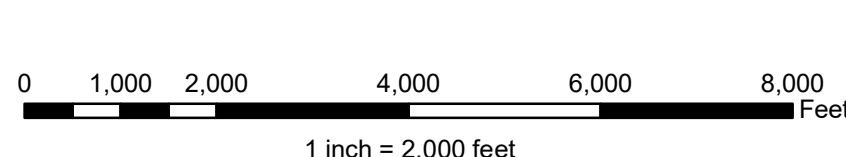
Local Road \_\_\_\_\_

4WD \_\_\_\_\_

Route  US Route  State Route



13430 NW. Freeway  
Suite 700  
Houston, Texas 77040  
713.462.3178  
TxEng Firm 2726  
TxSurv Firm 10110700



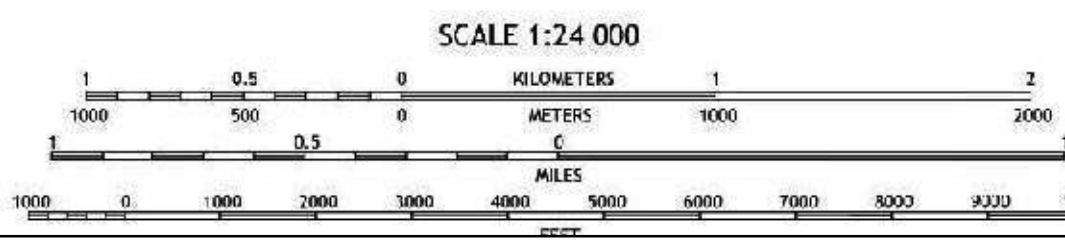
**H.C.M.U.D. NO. 387 WWTP  
USGS 7.5' QUADRANGLE MAP  
ATTACHMENT NO. 10**



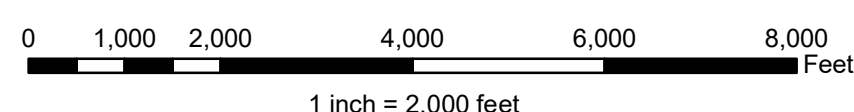


Produced by the United States Geological Survey  
North American datum of 1983 (NAD83)  
World Geodetic system of 1984 (WGS84). Projection and  
1 000 meter grid/Universal Transverse Mercator, Zone 18R  
This map is not a legal document. Boundaries may be  
generalized for this map scale. Private lands with government  
reservations may not be shown. Obtain permission before  
entering private lands.

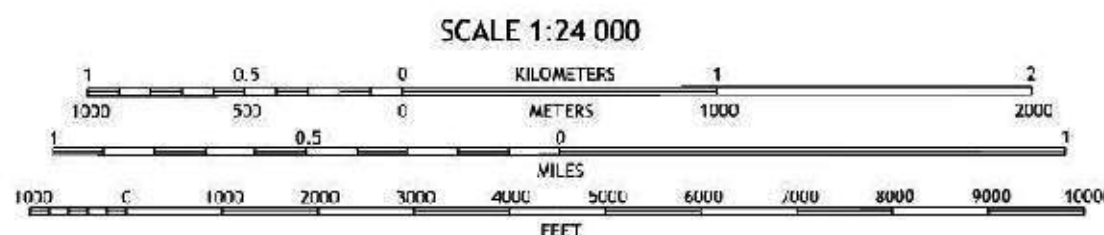
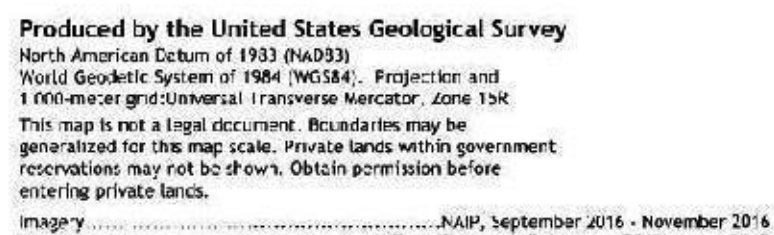
Image: 7/15/2016, 11:15:00 AM, 11/15/2016, 11:15:00 AM, 11/15/2016, 11:15:00 AM



| ROAD CLASSIFICATION |                 |                  |          |
|---------------------|-----------------|------------------|----------|
| Expressway          | Local Connector | Interstate Route | US Route |
| Secondary Hwy       | Local Road      | State Route      |          |
| Railroad            | 4WD             |                  |          |







13430 NW. Freeway  
Suite 700  
Houston, Texas 77040  
713.462.3178  
TxEng Firm 2726  
TxSurv Firm 10110700

**SHEET 4 OF 4**



## **Attachment No. 11:**

**Description of Treatment Process  
(Tech. Report 1.0, Section 2.A)**



## Technical Report 1.0

### 3. Treatment Units

#### a. Description

Existing Phase. Within the existing phase, the first portion totaling 0.96 MGD flow was designed and built under Chapter 317 regulations and the remaining portion totaling 0.54 MGD was designed and built under Chapter 217 regulations. The total permitted flow of the existing phase is 1.5 MGD.

The existing 0.96 MGD treatment facility has been modified to accommodate a centralized headworks with a fine mechanical screen. The existing 0.96 MGD treatment facility has twelve rectangular basins with a total of 47,616 CF aeration volume and a total of 32,256 CF digester volume, four 32-ft diameter clarifiers and two 3,592 CF chlorine contact basins, totaling 7,184 CF, sized for a 20-minute contact time.

The existing 0.54 MGD treatment facility utilizes the centralized headworks with a fine mechanical screen. The existing 0.54 MGD treatment unit has six rectangular basins with a total of 35,328 CF aeration volume and a total of 33,024 CF digester volume, a 48-ft diameter clarifier and a 4,431 CF chlorine contact basin sized for a 20-minute contact time.

Return sludge pumps are provided and sized to produce 75 to 175 percent of average daily flow. Treated effluent flows from the plant to the outfall via a 36-inch pipe. Sludge is disposed by a contract hauler.

The total existing phase aeration volume is 82,944 CF. The total existing phase digester volume is 65,280 CF. There are four 32-ft diameter clarifiers and one 48-ft diameter clarifier. The total existing phase chlorine contact basin volume is 11,615 CF.

ACTIVE / Interim Phase II. With the construction of this phase, the entire plant will be brought into compliance with current regulations under Chapter 217. The existing treatment capacity will be expanded by 0.30 MGD to a total permitted flow of 1.8 MGD. The proposed 0.30 MGD treatment facility will have six rectangular basins with a total of 46,440 CF aeration volume and a total of 43,021 CF digester volume, a 56-ft diameter clarifier and a 5,762 CF chlorine contact basin sized for a 20-minute contact time. Return sludge pumps will be sized to produce 75 to 175 percent of average daily flow. Treated effluent will flow from the plant to the outfall via a 36-inch pipe. Sludge will be disposed by a contract hauler.

The total interim phase II aeration volume will be 129,208 CF. The total interim phase II digester volume will be 108,322 CF. There will be a total of four 32-ft diameter clarifiers, one 48-ft clarifier, and one 56-ft diameter clarifier. The total interim phase II chlorine contact basin volume will be 17,305 CF.

Final Phase. The final phase will comply with current regulations under Chapter 217. The interim phase II will be expanded by 1.20 MGD to a total permitted flow of 3.0 MGD. The proposed 1.20 MGD treatment facility will have six rectangular basins with a total of 75,288 CF aeration volume and a total of 70,678 CF digester volume, two 48-ft diameter clarifiers and a 6,330 CF chlorine contact basin sized for 20-minute contact time. Return sludge pumps will be sized to produce 75 to 175 percent of average daily flow. Treated effluent will flow from the plant to the outfall via a 36-inch pipe. Sludge will be disposed by a contract hauler.

The total final phase aeration volume will be 189,601 CF. The total final phase digester volume will be 176,035 CF. There will be four 32-ft diameter clarifiers and four 48-ft diameter clarifiers. The total final phase chlorine contact basin volume will be 22,376 CF.



## **Attachment No. 12:**

**Treatment Units  
(Tech. Report 1.0, Section 2.B)**

**Technical Report 1.0**  
**3. Treatment Units**  
**b. Dimensions**

**Existing/Interim Phase I -1.5 MGD Flow**

| <b>Basin Type</b>    | <b>Dimensions (length x width x side water depth)</b> |
|----------------------|-------------------------------------------------------|
| 12 - Aeration        | 31' x 12' x 10.67'                                    |
| 4 - Clarifier        | 32' diameter                                          |
| 2 - Chlorine Contact | 25' x 16' x 8.98'                                     |
| 12 - Digester        | 21' x 12' x 10.67'                                    |
| 6 - Aeration         | 46' x 12' x 10.67'                                    |
| 1 - Clarifier        | 48' diameter                                          |
| 1 - Chlorine Contact | 35' x 12' x 10.55'                                    |
| 6 - Digester         | 43' x 12' x 10.67'                                    |

**Current/Interim Phase II – 1.8 MGD Flow**

| <b>Basin Type</b>    | <b>Dimensions (length x width x side water depth)</b> |
|----------------------|-------------------------------------------------------|
| 12 - Aeration        | 31' x 12' x 10.67'                                    |
| 4 - Clarifier        | 32' diameter                                          |
| 2 - Chlorine Contact | 25' x 16' x 8.98'                                     |
| 12 - Digester        | 21' x 12' x 10.67'                                    |
| 6 - Aeration         | 46' x 12' x 10.67'                                    |
| 1 - Clarifier        | 48' diameter                                          |
| 1 - Chlorine Contact | 35' x 12' x 10.55'                                    |
| 6 - Digester         | 43' x 12' x 10.67'                                    |
| 6 - Aeration         | 59' x 12' x 10.67'                                    |
| 1 - Clarifier        | 56' diameter                                          |
| 1 - Chlorine Contact | 47' x 12' x 10.55'                                    |
| 6 - Digester         | 55' x 12' x 10.67'                                    |

**Final Phase – 3.0 MGD Flow**

| <b>Basin Type</b>    | <b>Dimensions (length x width x side water depth)</b> |
|----------------------|-------------------------------------------------------|
| 12 - Aeration        | 31' x 12' x 10.67'                                    |
| 4 - Clarifier        | 32' diameter                                          |
| 2 - Chlorine Contact | 25' x 16' x 8.98'                                     |
| 12 - Digester        | 21' x 12' x 10.67'                                    |
| 6 - Aeration         | 46' x 12' x 10.67'                                    |
| 1 - Clarifier        | 48' diameter                                          |



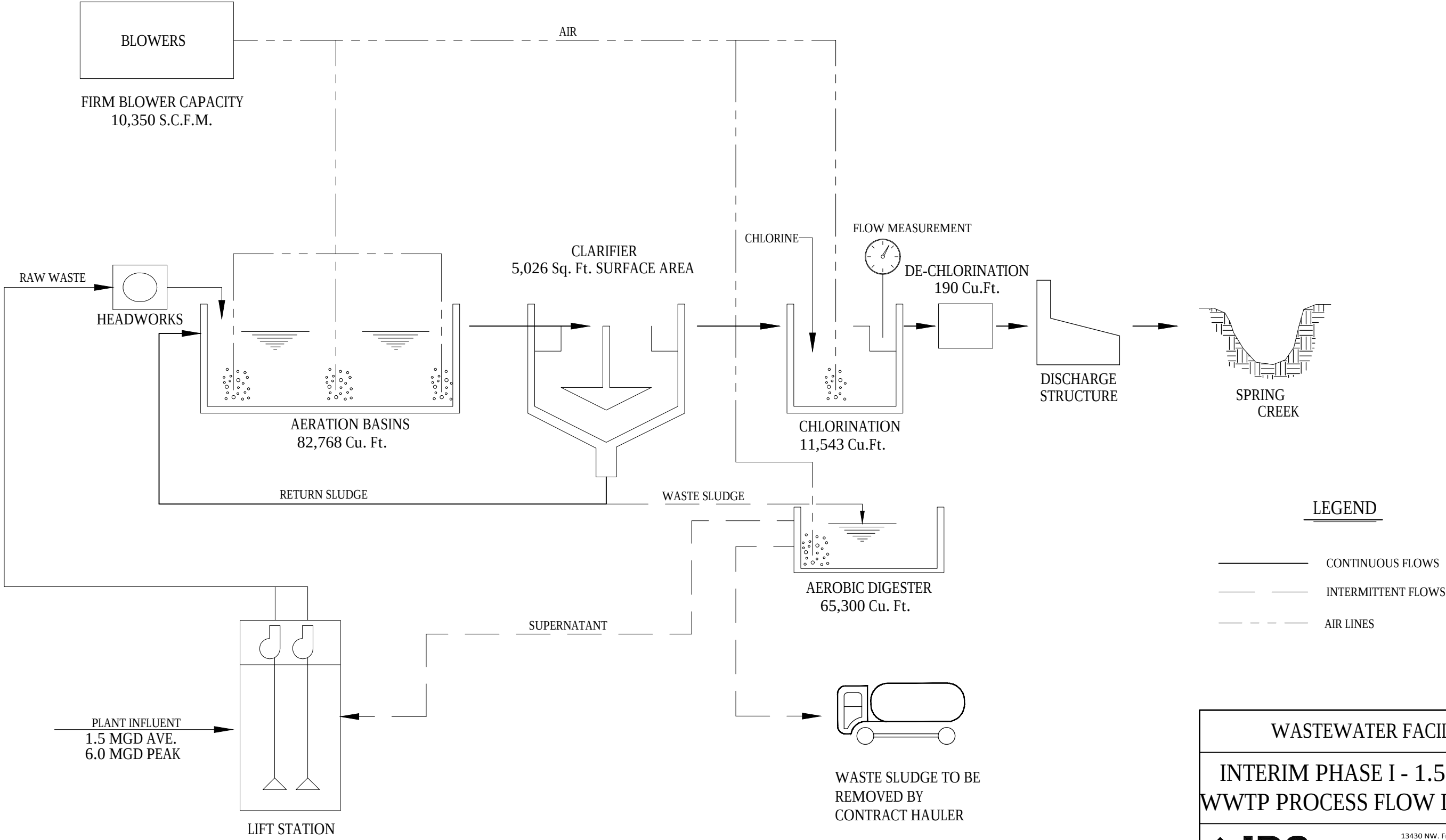
|                             |                           |
|-----------------------------|---------------------------|
| 1 - Chlorine Contact        | 35' x 12' x 10.55'        |
| 6 - Digester                | 43' x 12' x 10.67'        |
| 6 - Aeration                | 59' x 12' x 10.67'        |
| 1 - Clarifier               | 56' diameter              |
| 1 - Chlorine Contact        | 43 x 12' x 10.55'         |
| 6 - Digester                | 55' x 12' x 10.67'        |
| <b>12 - Aeration</b>        | <b>49' x 12' x 10.67'</b> |
| <b>2 - Clarifier</b>        | <b>48' diameter</b>       |
| <b>1 - Chlorine Contact</b> | <b>50' x 12' x 10.55'</b> |
| <b>12 - Digester</b>        | <b>46' x 12' x 10.67'</b> |

## **Attachment No. 13:**

**Flow Diagrams  
(Tech. Report 1.0, Section 2.C)**

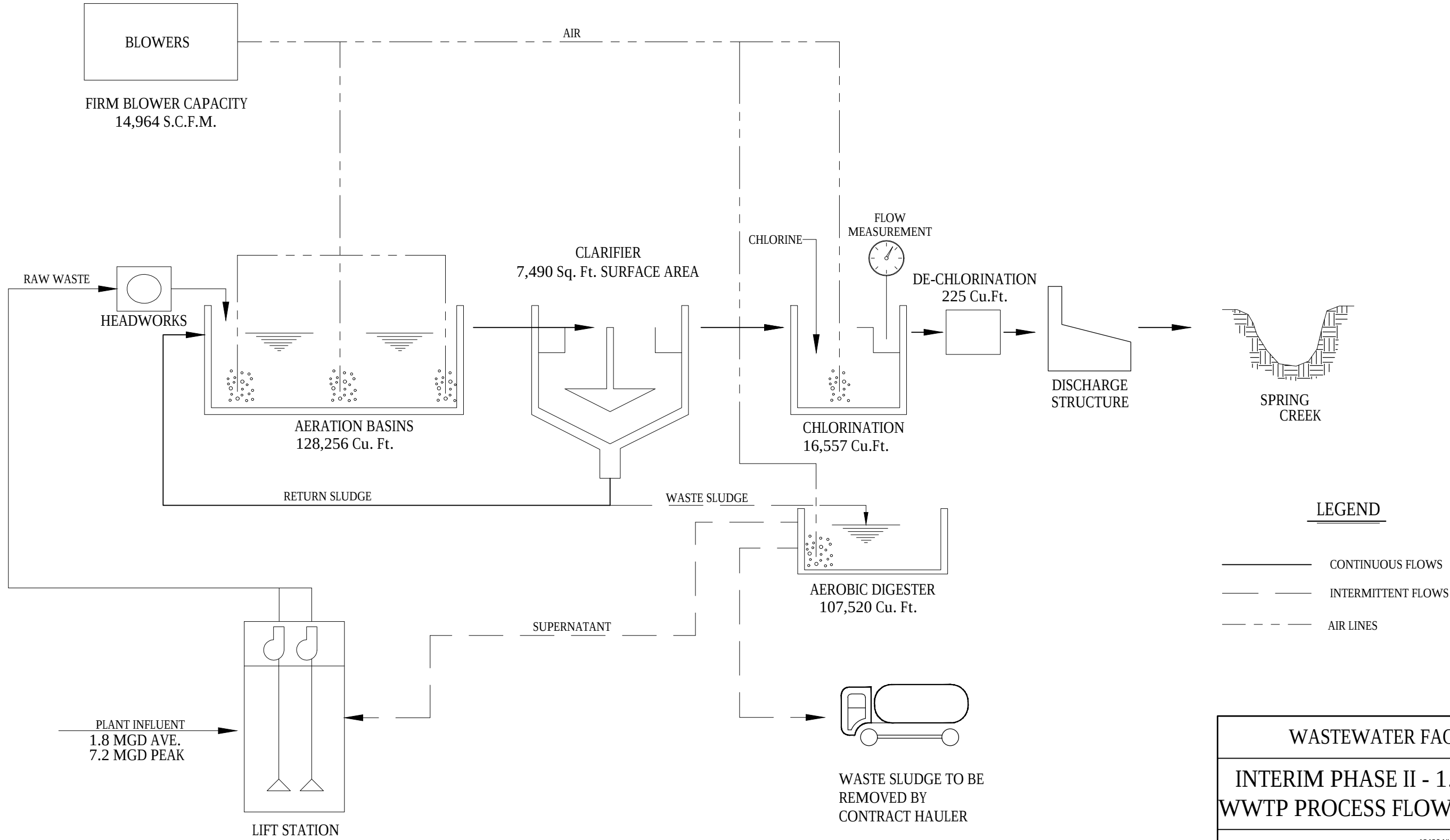


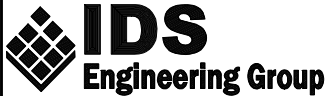
MODE OF TREATMENT  
COMPLETE MIX ACTIVATED SLUDGE  
WITH NITRIFICATION



|                                                           |                                                                                                      |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| WASTEWATER FACILITY                                       |                                                                                                      |
| INTERIM PHASE I - 1.5 M.G.D.<br>WWTP PROCESS FLOW DIAGRAM |                                                                                                      |
|                                                           | 13430 NW. Freeway Suite 700<br>Houston, Tx. 77040<br>713.462.3178<br>TBPE F-002726<br>TBPLS 10110700 |
|                                                           | ATTACHMENT NO. 13<br>JOB NO.: 1414-010-00<br>DATE: MAY 2025                                          |
|                                                           | SHEET 1 OF 3                                                                                         |

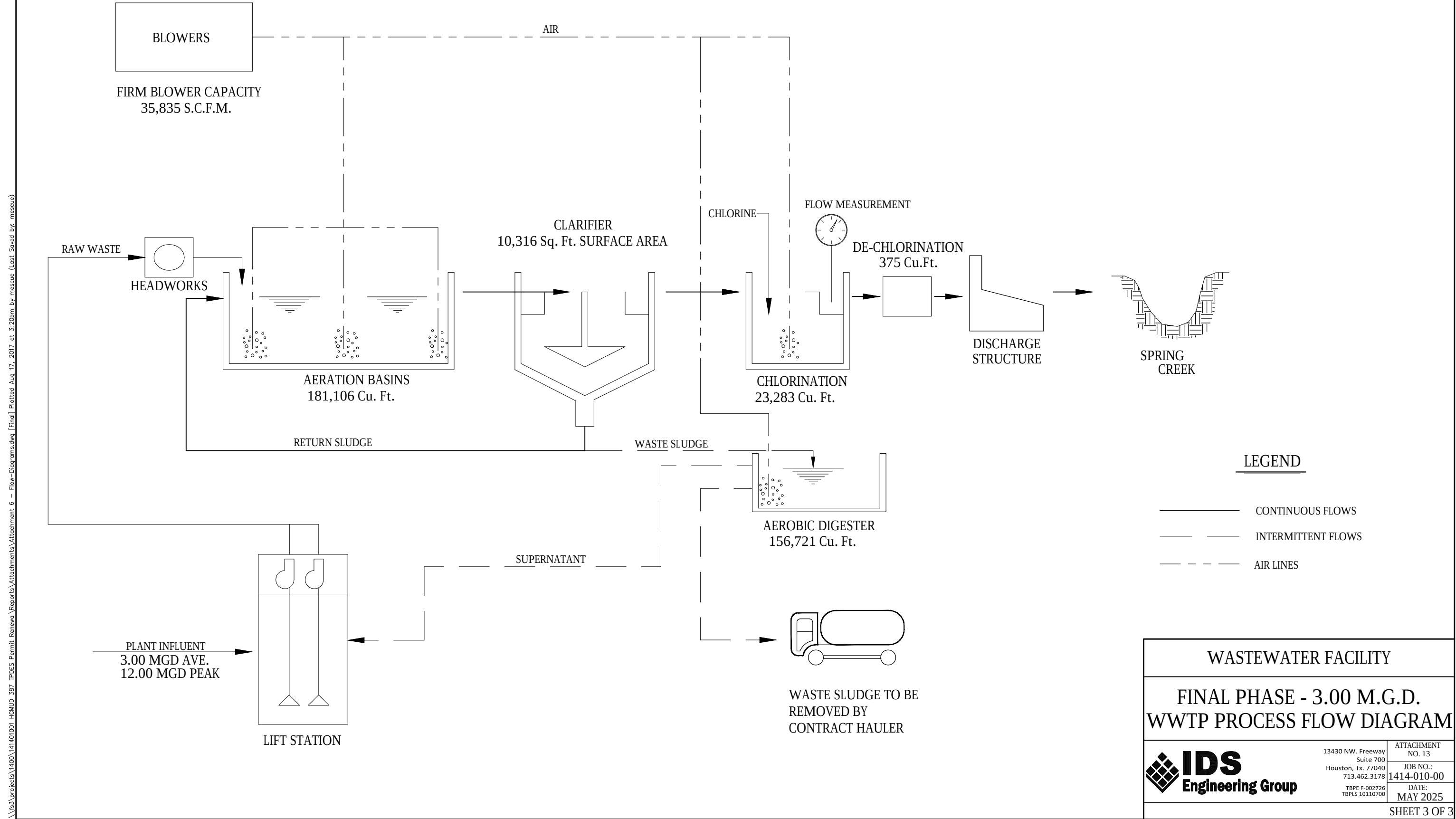
MODE OF TREATMENT  
COMPLETE MIX ACTIVATED SLUDGE  
WITH NITRIFICATION



|                                                                                       |                                                                                                      |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| WASTEWATER FACILITY                                                                   |                                                                                                      |
| INTERIM PHASE II - 1.8 M.G.D.<br>WWTP PROCESS FLOW DIAGRAM                            |                                                                                                      |
|  | 13430 NW. Freeway Suite 700<br>Houston, Tx. 77040<br>713.462.3178<br>TBPE F-002726<br>TBPLS 10110700 |
| ATTACHMENT NO. 13<br>JOB NO.: 1414-010-00<br>DATE: MAY 2025                           | SHEET 2 OF 3                                                                                         |



MODE OF TREATMENT  
COMPLETE MIX ACTIVATED SLUDGE  
WITH NITRIFICATION



## **Attachment No. 14:**

**Site Drawing  
(Tech. Report 1.0, Section 3)**





**ATTACHMENT NO. 14**  
**HCMUD 387**  
**WASTEWATER TREATMENT**  
**PLANT SERVICE AREA MAP**

0 0.125 0.25 0.5 0.75 Miles  
1 inch = 0.56 miles

**SERVICE AREA  
BOUNDARY**

**HARRIS COUNTY  
MUD NO. 386 - 387**

**LIFT STATION  
1A**

**WWTP SITE  
BOUNDARY**

Dry Creek No. 2

Spring Creek

FLINTRIDGE DR

S PANTHER CREEK DR

WOODLANDS PKWY

GOSLING RD

Panther Branch

KUYKENDAHL RD

HUFSMITH RD

W RAYFORD RD

## **Attachment No. 15:**

**Sewage Sludge Solids Management Plan  
(Tech. Report 1.0, Section 6.F)**



### Existing/Interim I Phase - Capacity of Digester 1.5 MGD

The total design flow of the existing phase is 1.5 MGD, however, the first 0.96 MGD design flow was built for an influent concentration of 200 mg/L and the remaining 0.54 MGD design flow was built for an influent concentration of 265 mg/L. Therefore, the digester capacities are calculated in two separate tables and their results combined.

|                                |                                    |
|--------------------------------|------------------------------------|
| Design Flow                    | 0.96 MGD Influent Flow             |
| Minimum Retention Time         | 15 days                            |
| Digester Volume                | 32,256 ft <sup>3</sup>             |
| Digester Dimensions            | 12 @ 12'-0" W x 21'-0" L x 10'-8"D |
| Side Water Depth               | 10.67 ft.                          |
| Digester Sludge Retention Time | 15 days                            |

|                      |                        |            |
|----------------------|------------------------|------------|
| <b>CBOD5 Removal</b> | Influent concentration | 200.0 mg/l |
|                      | Effluent concentration | 10.0 mg/l  |
|                      | Net removal            | 190.0 mg/l |

|                                                  |                  |                 |                 |                 |
|--------------------------------------------------|------------------|-----------------|-----------------|-----------------|
| <b>Solids Generated</b>                          | <b>100% Flow</b> | <b>75% Flow</b> | <b>50% Flow</b> | <b>25% Flow</b> |
| Pounds BOD5/day removed                          | 1521             | 1141            | 761             | 380             |
| Pounds of dry sludge produced*                   | 479              | 359             | 240             | 120             |
| Pounds of wet sludge produced**                  | 31946            | 23959           | 15973           | 7986            |
| Volume of wet sludge produced in gals.           | 3840             | 2880            | 1920            | 960             |
| Volume of wet sludge produced in ft <sup>3</sup> | 513              | 385             | 257             | 128             |
| Days between sludge removal                      | 63               | 84              | 126             | 251             |

|                                |                                   |
|--------------------------------|-----------------------------------|
| Design Flow                    | 0.54 MGD Influent Flow            |
| Minimum Retention Time         | 15 days                           |
| Digester Volume                | 33,024 ft <sup>3</sup>            |
| Digester Dimensions            | 6 @ 12'-0" W x 43'-0" L x 10'-8"D |
| Side Water Depth               | 10.67 ft.                         |
| Digester Sludge Retention Time | 15 days                           |

|                      |                        |            |
|----------------------|------------------------|------------|
| <b>CBOD5 Removal</b> | Influent concentration | 265.0 mg/l |
|                      | Effluent concentration | 10.0 mg/l  |
|                      | Net removal            | 255.0 mg/l |

|                                                  |                  |                 |                 |                 |
|--------------------------------------------------|------------------|-----------------|-----------------|-----------------|
| <b>Solids Generated</b>                          | <b>100% Flow</b> | <b>75% Flow</b> | <b>50% Flow</b> | <b>25% Flow</b> |
| Pounds BOD5/day removed                          | 1148             | 861             | 574             | 287             |
| Pounds of dry sludge produced*                   | 362              | 271             | 181             | 90              |
| Pounds of wet sludge produced**                  | 24117            | 18088           | 12058           | 6029            |
| Volume of wet sludge produced in gals.           | 2899             | 2174            | 1449            | 725             |
| Volume of wet sludge produced in ft <sup>3</sup> | 387              | 291             | 194             | 97              |
| Days between sludge removal                      | 85               | 114             | 170             | 341             |

|                       |                        |
|-----------------------|------------------------|
| Total Design Flow     | 1.50 MGD Influent Flow |
| Total Digester Volume | 65,280 ft <sup>3</sup> |

|                                  |                  |                 |                 |                 |
|----------------------------------|------------------|-----------------|-----------------|-----------------|
| <b>Combined Solids Generated</b> | <b>100% Flow</b> | <b>75% Flow</b> | <b>50% Flow</b> | <b>25% Flow</b> |
| Pounds BOD5/day removed          | 2670             | 2002            | 1335            | 667             |
| Pounds of dry sludge produced*   | 841              | 631             | 420             | 210             |
| Pounds of wet sludge produced**  | 56062            | 42047           | 28031           | 14016           |

Technical Report 1.0

SLUDGE MANAGEMENT PLAN - Harris County Municipal Utility District No. 387

|                                                  |                  |                 |                 |                 |
|--------------------------------------------------|------------------|-----------------|-----------------|-----------------|
| Volume of wet sludge produced in gals.           | <b>6738</b>      | <b>5054</b>     | <b>3369</b>     | <b>1685</b>     |
| Volume of wet sludge produced in ft <sup>3</sup> | <b>901</b>       | <b>676</b>      | <b>450</b>      | <b>225</b>      |
| Removal Schedule (days)                          | <b>100% Flow</b> | <b>75% Flow</b> | <b>50% Flow</b> | <b>25% Flow</b> |
| Days between sludge removal                      | <b>72</b>        | <b>97</b>       | <b>145</b>      | <b>290</b>      |

MLSS operating range = 3000 mg/l

The sludge is wasted from the clarifier to the aerobic digester. At the digester the sludge is further processed to achieve sludge stabilization.

Following stabilization the sludge is periodically removed from the digester and hauled offsite by a registered hauler to a registered site.

\*Assuming 0.315 pounds of dry sludge produced per pound of BOD5 removed.

\*\*Assuming 1.5% solids.



### Interim II Phase - Capacity of Digester 1.8 MGD

|                                |                                    |
|--------------------------------|------------------------------------|
| Design Flow                    | 1.80 MGD Influent Flow             |
| Minimum Retention Time         | 15 days                            |
| Digester Volume                | 108,322 ft <sup>3</sup>            |
| Digester Dimensions            | 12 @ 12'-0" W x 21'-0" L x 10'-8"D |
| Digester Dimensions            | 12 @ 12'-0" W x 31'-0" L x 10'-8"D |
| Digester Dimensions            | 6 @ 12'-0" W x 43'-0" L x 10'-8" D |
| Digester Dimensions            | 6 @ 12'-0" W x 55'-0" L x 10'-8" D |
| Side Water Depth               | 10.67 ft.                          |
| Digester Sludge Retention Time | 15 days                            |

|                      |                        |            |
|----------------------|------------------------|------------|
| <b>CBOD5 Removal</b> | Influent concentration | 265.0 mg/l |
|                      | Effluent concentration | 10.0 mg/l  |
|                      | Net removal            | 255.0 mg/l |

| <b>Solids Generated</b>                          | <b>100% Flow</b> | <b>75% Flow</b> | <b>50% Flow</b> | <b>25% Flow</b> |
|--------------------------------------------------|------------------|-----------------|-----------------|-----------------|
| Pounds BOD5/day removed                          | 3828             | 2871            | 1914            | 957             |
| Pounds of dry sludge produced*                   | 1206             | 904             | 603             | 301             |
| Pounds of wet sludge produced**                  | 80389            | 60292           | 40195           | 20097           |
| Volume of wet sludge produced in gals.           | 9662             | 7247            | 4831            | 2416            |
| Volume of wet sludge produced in ft <sup>3</sup> | 1292             | 969             | 646             | 323             |

\*Assuming 0.315 pounds of dry sludge produced per pound of BOD5 removed.

\*\*Assuming 1.5% solids.

MLSS operating range = 3000 mg/l

The sludge is wasted from the clarifier to the aerobic digester. At the digester the sludge is further processed to achieve sludge stabilization.

| <b>Removal Schedule (days)</b> | <b>100% Flow</b> | <b>75% Flow</b> | <b>50% Flow</b> | <b>25% Flow</b> |
|--------------------------------|------------------|-----------------|-----------------|-----------------|
| Days between sludge removal    | 84               | 112             | 168             | 335             |

Following stabilization the sludge is periodically removed from the digester and hauled offsite by a registered hauler to a registered site.

### Final Phase - Capacity of Digester 3.0 MGD

|                                |                                     |
|--------------------------------|-------------------------------------|
| Design Flow                    | 3.00 MGD Influent Flow              |
| Minimum Retention Time         | 15 days                             |
| Digester Volume                | 178,978 ft <sup>3</sup>             |
| Digester Dimensions            | 12 @ 12'-0" W x 21'-0" L x 10'-8" D |
| Digester Dimensions            | 12 @ 12'-0" W x 31'-0" L x 10'-8" D |
| Digester Dimensions            | 6 @ 12'-0" W x 43'-0" L x 10'-8" D  |
| Digester Dimensions            | 6 @ 12'-0" W x 55'-0" L x 10'-8" D  |
| Digester Dimensions            | 12 @ 12'-0" W x 46'-0" L x 10'-8" D |
| Side Water Depth               | 10.67 ft.                           |
| Digester Sludge Retention Time | 15 days                             |

|                      |                        |            |
|----------------------|------------------------|------------|
| <b>CBOD5 Removal</b> | Influent concentration | 265.0 mg/l |
|                      | Effluent concentration | 10.0 mg/l  |
|                      | Net removal            | 255.0 mg/l |

| <b>Solids Generated</b>                          | <b>100% Flow</b> | <b>75% Flow</b> | <b>50% Flow</b> | <b>25% Flow</b> |
|--------------------------------------------------|------------------|-----------------|-----------------|-----------------|
| Pounds BOD5/day removed                          | 6380             | 4785            | 3190            | 1595            |
| Pounds of dry sludge produced*                   | 2010             | 1507            | 1005            | 502             |
| Pounds of wet sludge produced**                  | 133982           | 100487          | 66991           | 33496           |
| Volume of wet sludge produced in gals.           | 16104            | 12078           | 8052            | 4026            |
| Volume of wet sludge produced in ft <sup>3</sup> | 2153             | 1614            | 1076            | 538             |

\*Assuming 0.315 pounds of dry sludge produced per pound of BOD5 removed.

\*\*Assuming 1.5% solids.

MLSS operating range = 3000 mg/l

The sludge is wasted from the clarifier to the aerobic digester. At the digester the sludge is further processed to achieve sludge stabilization.

| <b>Removal Schedule (days)</b> | <b>100% Flow</b> | <b>75% Flow</b> | <b>50% Flow</b> | <b>25% Flow</b> |
|--------------------------------|------------------|-----------------|-----------------|-----------------|
| Days between sludge removal    | 83               | 111             | 166             | 333             |

Following stabilization the sludge is periodically removed from the digester and hauled offsite by a registered hauler to a registered site.



## **Attachment No. 16:**

**Written Statement / Contractual Agreement with Permitted  
Sludge Processing Facility  
(Tech. Report. 1.0, Section 9.A.)**



May 14, 2012

Mr. David Ross  
Pate Engineers  
13333 Northwest Freeway, Suite 300  
Houston, TX 77040

RE: Harris County Municipal Utility District No. 387 WWTP  
Permit Application

Dear Mr. Ross:

The attached information is to be used for the referenced WWTP permit application. Sludge from the Harris County Municipal Utility District No. 387 WWTP may be transported to the Richey Road MUD WWTP as outlined in the attached "TRS Enviroganics' Houston Area Regional Biosolids Management Plan." A letter from Richey Road MUD confirming our agreement with the District is enclosed.

As an alternative to transporting biosolids to Richey Road MUD, we also transport biosolids directly to one of our land application farms. The list of Houston area farms is attached. The permit should allow for either method of sludge disposal.

Please note that TRS Enviroganics' TCEQ Transporter Number is 23777. Feel free to contact me at (713) 316-5050 if you have any questions.

Sincerely,

Cindy Carden  
General Manager/Municipal Sales

Enclosures



**RICHEY ROAD MUNICIPAL UTILITY DISTRICT**  
**1001 McKinney, Suite 1000**  
**Houston, Texas 77002-6424**  
**(713) 237-1221**

May 10, 2012

Texas Commission on Environmental Quality  
Permits Division  
P.O. Box 13087  
Austin, TX 78711-3087

RE: Harris County Municipal Utility District No. 387 WWTP  
Permit Application

To Whom It May Concern:

This letter serves as notice to the Texas Commission on Environmental Quality ("TCEQ") that Richey Road Municipal Utility District, TCEQ Permit No. TPDES 0012378-002 (the "District"), acknowledges the receipt of sludge generated from the Harris County Municipal Utility District No. 387 WWTP.

The District and TRS Envirogenics have entered into an agreement. This agreement allows TRS Envirogenics to bring sludge from municipal wastewater treatment plants to the District's wastewater treatment facility for dewatering (TCEQ Processing Permit No. WQ0004810-000). The District reserves the right to terminate this agreement with TRS Envirogenics, which permits the processing of sludge at the District's facility, to reject sludge from a Generator that does not comply with the agreement, and to refuse to accept sludge from any generator because of quality, quantity or other reasons.

Sincerely,



Dennis Cain  
President  
Richey Road M.U.D. Board of Directors



Cindy Carden  
General Manager/Municipal Sales  
TRS Envirogenics

cc: Alan Petrov, Johnson Radcliffe Petrov & Bobbitt

## TRS Enviroganics, Inc.

### Permitted Beneficial Land Application Farm Sites Houston Area

| Landowner                               | TCEQ Permit # | Longitude  | Latitude   | County  | Location                                            | Usable Acres |
|-----------------------------------------|---------------|------------|------------|---------|-----------------------------------------------------|--------------|
| Barbra Look<br>(water & wastewater)     | WQ0004462000  | 96 Deg 5"  | 30 Deg 4"  | Waller  | 4.8 mi. W. of interstr. of Hwy 290 and Hwy. 6       | 1,350.00     |
| James Henderson<br>(water & wastewater) | WQ0004460000  | 94 Deg 30' | 30 Deg 33' | Liberty | 1 mi S of intersection of Hwy 90 and FM 1009        | 2,000.00     |
| Susan Cardwell<br>(water & wastewater)  | WQ0004501000  | 96 Deg 5'  | 30 Deg 6'  | Waller  | 0.2 mi. W of intersection of FM 359 & Pierceall Rd. | 115.00       |
|                                         |               |            |            |         |                                                     | 3,465.00     |

TCEQ Transporter Registration Number for TRS Enviroganics

23777

Richey Road MUD Wastewater Treatment Plant (sludge transfer and dewatering)

TPDES Permit Number 12378-002

TRS Enviroganics and Richey Road MUD Processing Permit

TCEQ Permit Number WQ0004810000





## **REGIONAL BIOSOLIDS MANAGEMENT PLAN**

Terra Renewal provides biosolids removal services for over 325 wastewater treatment plants throughout the Houston area. The regionalization of the sludge/biosolids management has resulted in cost effective disposal options for the wastewater treatment plants while maintaining the highest level of environmental compliance available. Terra Renewal liquid transports over 70,000,000 gallons of wastewater treatment residuals annually. Over 110,000 CY of cake biosolids are transported in end dumps and roll off boxes.

### **LIQUID MUNICIPAL SEWAGE SLUDGE**

Liquid municipal sludges that are transported to the Richey Road MUD WWTP Processing Facility (TCEQ Processing Permit No. WQ0004810-000) are dewatered and transported to a co-disposal landfill. Sludges that have passed the required testing for compliance with USEPA 40 CFR 503 and TCEQ 30 TAC 312 beneficial land application requirements may also be transported directly to a permitted beneficial land application farm.

### **CAKE BIOSOLIDS**

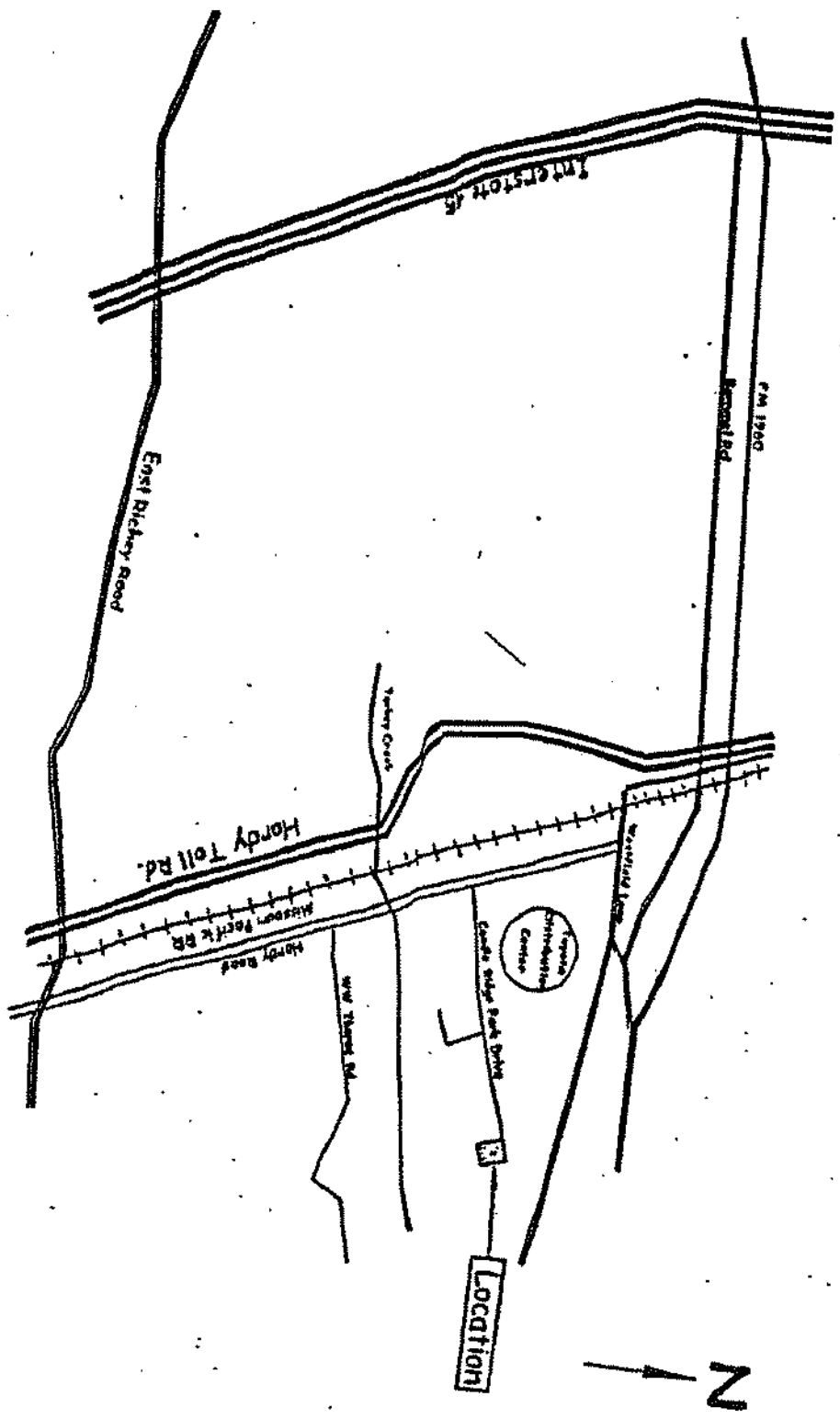
Cake biosolids are generated from municipal wastewater treatment plants with dewatering facilities. These facilities include belt presses, centrifuges, and drying beds. Land application is the preferred disposal method if biosolids meet USEPA 40 CFR Part 503 metals levels and Class B requirements. If site conditions do not allow for land application or biosolids do not meet USEPA CFR Part 503 Table 1 or Class B requirements, the biosolids may be landfilled.

### **LAND APPLICATION**

Terra Renewal utilizes farms in various locations surrounding the greater Houston area. All farms are owned by the farmer or rancher and the biosolids program is used to enhance the agricultural activities. Terra Renewal operates the biosolids beneficial land application program for each farm utilized. Site restrictions required by Texas Commission on Environmental Quality 30 TAC 312 rules, the USEPA 40 CFR Part 503 regulations, and those outlined in the land application site permit issued by the Texas Commission on Environmental Quality are followed at the farms.

**Richey Road M.U.D. WWTP Processing Facility**  
**TCEQ Permit No: TPDES 0012378-002**  
**USEPA Permit No.: TX0087319**

Location: (Long: 95 Deg 23' 30" W, Lat: 30 Deg 00' 43" N)  
 From Intersection of East Richey Road and Hardy Road, turn north,  
 Drive approximately 0.9 miles to Condie Ridge Park Drive, just before  
 the Texas Distribution Center. Turn right and proceed to end of road.  
 Facility will be on right.





SCHWARTZ, PAGE & HARDING, L.L.P.

ATTORNEYS AT LAW

1300 POST OAK BOULEVARD

SUITE 1400

HOUSTON, TEXAS 77056

WWW.SPHLLP.COM

TELEPHONE (713) 623-4531  
TELECOPIER (713) 623-6143

JOSEPH M. SCHWARTZ  
PETER T. HARDING  
ABRAHAM I. RUBINSKY  
MARTHA T. BERSCH  
HOWARD M. COHEN  
SPENCER W. CREED  
CHRISTOPHER T. SKINNER  
DANIEL S. RINGOLD  
MITCHELL G. PAGE  
BRYAN T. YEATES

CHRISTINA J. COLE  
MATTHEW R. REED  
WILLIAM D. STAFFORD  
TRAVIS M. HEDGPETH  
GINA FREE  
JOHN H. EICHELBERGER  
DIANA MILLER  
RICK L. BARKER

July 12, 2017

Ms. Rebecca Marcucci  
Vice President  
Municipal District Services, LLC  
406 West Grand Parkway South  
Suite 260  
Katy, Texas 77494

Re: Harris County Municipal Utility District No. 387 (the "District")

Dear Rebecca:

Enclosed for your records is one (1) fully executed original of the Consent to Assumption of Agreement By and Among the District, Magna-Flow International, Inc. and Municipal District Services, L.L.C., entered into as of April 26, 2017.

Sincerely,

SCHWARTZ, PAGE & HARDING, L.L.P.

  
Julie Kime, Paralegal

Enclosure

CONSENT TO ASSUMPTION OF AGREEMENT  
BY AND AMONG  
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 387,  
MAGNA-FLOW INTERNATIONAL, INC., AND  
MUNICIPAL DISTRICT SERVICES, L.L.C.

This Consent to Assumption is entered into effective this 26<sup>th</sup> day of April, 2017, by and among HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 387, a political subdivision of the State of Texas (the "District"), MAGNA-FLOW INTERNATIONAL, INC. (d/b/a MANGA-FLOW ENVIRONMENTAL), a Texas corporation ("Magna-Flow"), and MUNICIPAL DISTRICT SERVICES, L.L.C., a Texas limited liability company ("MDS").

WITNESSETH:

WHEREAS, the District, Sludge-Net Dewatering Systems, Inc. (d/b/a Enviro Sludge Solutions), a Texas corporation ("Sludge Manager"), and MDS entered into that certain Sludge Management Agreement, dated effective May 23, 2013, as amended by the First Amendment to Sludge Management Agreement, dated effective January 27, 2016, for the collection, transportation, processing, disposal and control of the District's sewage waste (the "Sludge-Net Agreement"); and

WHEREAS, Manga-Flow entered into an agreement with Sludge Manager to acquire certain assets and operations of the Sludge Manager effective as of March 17, 2017, including Sludge Manager's right, title, interest and obligations in and to the Sludge-Net Agreement;

WHEREAS, the District, Magna-Flow, and MDS entered into that certain Sludge Management Agreement, dated effective March 1, 2009, for the collection, transportation, processing, disposal and control of the District's sewage waste (the "Magna-Flow Agreement"); and

WHEREAS, the District, Magna-Flow and MDS are desirous of affirming the Sludge-Net Agreement and the assumption of same by Magna-Flow.

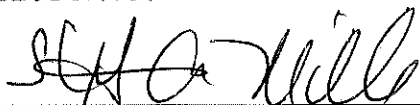
NOW THEREFORE, for and in consideration of the mutual covenants and agreements herein contained and contained in the Sludge-Net Agreement, the District, Magna-Flow and MDS hereby (a) confirm and agree that the facts set forth in the recitals hereof are true and correct and made a part hereof, (b) acknowledge and affirm the effectiveness of the Sludge-Net Agreement and of the assumption by Magna-Flow of the Sludge-Net Agreement and of all obligations, duties, rights, titles and interests of Sludge Manager thereunder, all in accordance with the terms, provisions, stipulations and conditions of the Sludge-Net Agreement, and (c) acknowledge and affirm that this Consent to Assumption in no way affects the effectiveness of the Manga-Flow Agreement or Magna-Flow's obligations, duties, rights, titles and interests thereunder.



IN WITNESS WHEREOF, the District, Magna-Flow and MDS have each executed this Consent to Assumption in multiple originals by and through their duly authorized officers, on the date specified herein.

[SIGNATURES COMMENCE ON FOLLOWING PAGE]

HARRIS COUNTY MUNICIPAL UTILITY  
DISTRICT NO. 387

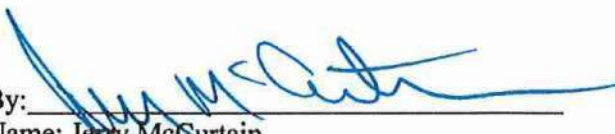
By:   
Name: Stephen A. Mills  
Title: President, Board of Directors



MUNICIPAL DISTRICT SERVICES, L.L.C.,  
a Texas limited liability company

By:   
Name: Rebecca Marcucci  
Title: Vice President

MAGNA-FLOW INTERNATIONAL, INC.  
(d/b/a Manga-Flow Environmental),  
a Texas corporation

By:   
Name: Jerry McCurtain  
Title: Vice President



## **Attachment No. 17:**

**Proposed Amendment Description  
(Admin Report 1.0, Section 2.e)**

## Attachment 17

### Administrative Report 1.0, Section 2.e

#### Description of Proposed Changes to Permit by Amendment

The purpose of this amendment is to remove the Total Dissolved Solids (TDS) limits and monitoring in all phases up to and including the Final Phase for TPDES Permit WQ0014347001. TDS limits were initially added to this permit in 2012. Based on new information on the harmonic mean streamflow calculations for the receiving waters of Spring Creek that was not available at the time the TDS limit was introduced, the TDS limit should now be removed for the reasons set forth herein.

33 U.S.C. § 1342(o)(2)(B)(i) provides that a permit's modified effluent limitations may be less stringent if "information is available which was not available at the time of permit issuance . . . and which would have justified the application of a less stringent effluent limitation at the time of permit issuance."



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM I PHASE

January 2020

| TX0124907 |         | Grab Samples  |         |         |       |            | Grab Samples |           |      | Composite Samples |      |       |      |          |        |            | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|-----------|---------|---------------|---------|---------|-------|------------|--------------|-----------|------|-------------------|------|-------|------|----------|--------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |       | TCR mg/l   | Flow MGD     | DO        | pH   | E. coli           | TSS  | NH3-N | CBOD | Chloride | TDS    | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |       | <0.1       | 1.500        | mg/L      | S.U. | CFU/ml            | mg/l | mg/l  | mg/l | mg/l     | mg/l   | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Final | Total Flow | 4.0          | 6.5 - 9.0 | 63   |                   | 15   | 3     | 10   | Report   | Report | NA         | 188     | 38      | 125     | Report   | Report  | Day |          |
| 1         | 0.754   | 3.03          | 3.14    | 3.32    | 0.01  | 0.840      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 1   | 0        |
| 2         | 0.788   | 2.20          | 2.41    | 2.70    | 0.01  | 0.906      | 8.9          | 7.6       |      |                   | 1.0  | 0.1   | 2.0  | 73       | 524    | 320        | 6.57    | 0.66    | 13.14   | 480      | 3444    | 2   | 0.1      |
| 3         | 0.892   | 2.72          | 2.13    | 3.02    | 0.02  | 1.214      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 3   | 3        |
| 4         | 0.871   | 3.29          | 3.08    | 2.99    | 0.02  | 0.366      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 4   | 0.25     |
| 5         | 0.787   | 3.23          | 3.13    | 3.02    | 0.02  | 0.841      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 5   | 0        |
| 6         | 0.813   | 2.90          | 3.41    | 2.25    | 0.03  | 0.852      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 6   | 0        |
| 7         | 0.849   | 3.22          | 2.92    | Offline | 0.02  | 0.902      | 9.1          | 7.8       |      |                   | 1.0  | 0.2   | 2.4  | 72       | 524    | 350        | 7.08    | 1.42    | 16.99   | 510      | 3710    | 7   | 0        |
| 8         | 0.868   | 2.93          | 2.30    | Offline | 0.03  | 0.853      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 8   | 0        |
| 9         | 0.896   | 3.30          | 2.12    | Offline | 0.01  | 0.965      | 9.1          | 7.7       | 156  |                   | 1.3  | 0.6   | 2.0  | 75       | 480    | 372        | 9.71    | 4.48    | 14.95   | 560      | 3587    | 9   | 0        |
| 10        | 0.933   | 3.00          | 2.69    | Offline | 0.02  | 0.880      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 10  | 0        |
| 11        | 0.848   | 3.42          | 2.90    | Offline | 0.01  | 1.184      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 11  | 0        |
| 12        | 0.719   | 3.10          | 2.55    | Offline | 0.02  | 0.913      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 12  | 0.25     |
| 13        | 0.844   | 2.92          | 2.41    | Offline | 0.01  | 0.651      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 13  | 0        |
| 14        | 0.944   | 2.70          | 2.95    | Offline | 0.01  | 1.034      | 9.4          | 7.6       |      |                   | 1.0  | 0.1   | 2.0  | 60       | 492    | 296        | 7.87    | 0.79    | 15.75   | 472      | 3873    | 14  | 0        |
| 15        | 0.831   | 2.11          | 2.82    | Offline | 0.03  | 0.636      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 15  | 0        |
| 16        | 0.851   | 2.41          | 2.90    | Offline | 0.01  | 0.821      | 8.3          | 7.8       |      |                   | 1.0  | 0.1   | 2.0  | 60       | 400    | 302        | 7.10    | 0.71    | 14.19   | 426      | 2839    | 16  | 0        |
| 17        | 0.817   | 2.80          | 2.41    | Offline | 0.03  | 0.731      |              |           | 2    |                   |      |       |      |          |        |            |         |         |         |          |         | 17  | 0.1      |
| 18        | 0.802   | 2.52          | 2.69    | Offline | 0.02  | 0.715      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 18  | 0        |
| 19        | 0.733   | 2.71          | 2.52    | Offline | 0.01  | 1.101      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 19  | 0.5      |
| 20        | 0.715   | 2.39          | 2.11    | Offline | 0.03  | 0.677      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 20  | 0        |
| 21        | 0.997   | 2.20          | 2.34    | Offline | 0.02  | 0.808      | 9.2          | 7.7       |      |                   | 1.0  | 0.1   | 2.0  | 70       | 448    | 314        | 8.31    | 0.83    | 16.63   | 582      | 3725    | 21  | 0        |
| 22        | 0.805   | 2.50          | 2.80    | Offline | 0.02  | 0.889      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 22  | 0        |
| 23        | 0.852   | 2.21          | 2.39    | Offline | 0.04  | 0.922      | 9.3          | 7.6       | 2    |                   | 1.0  | 0.1   | 2.0  | 66       | 448    | 288        | 7.11    | 0.71    | 14.21   | 469      | 3183    | 23  | 1        |
| 24        | 0.833   | 2.85          | 2.10    | Offline | 0.02  | 0.394      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 24  | 0        |
| 25        | 0.606   | 3.09          | 2.70    | 2.10    | 0.04  | 0.741      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 25  | 0        |
| 26        | 0.667   | 3.40          | 2.30    | 2.71    | 0.03  | 0.553      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 26  | 0        |
| 27        | 0.418   | 2.91          | 2.67    | 2.25    | 0.02  | 1.120      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 27  | 0        |
| 28        | 0.798   | 3.41          | 2.12    | 2.80    | 0.01  | 0.962      | 8.8          | 7.6       |      |                   | 1.0  | 0.1   | 2.0  | 67       | 480    | 286        | 6.66    | 0.67    | 13.31   | 446      | 3195    | 28  | 0        |
| 29        | 0.832   | 2.08          | 2.80    | 2.41    | 0.03  | 0.714      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 29  | 0        |
| 30        | 0.923   | 2.81          | 2.41    | 2.12    | 0.01  | 0.742      | 8.4          | 7.4       | 2    |                   | 1.0  | 0.1   | 2.0  | 66       | 420    | 290        | 7.70    | 0.77    | 15.40   | 508      | 3233    | 30  | 0        |
| 31        | 0.757   | 3.10          | 2.32    | 2.50    | 0.05  | 0.701      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 31  | 0        |

|     |       |      |  |  |      |       |     |     |      |      |       |      |      |     |  |      |      |       |     |      |
|-----|-------|------|--|--|------|-------|-----|-----|------|------|-------|------|------|-----|--|------|------|-------|-----|------|
|     |       |      |  |  |      |       |     |     | 7.57 | 1.23 | 14.95 | 495  | 3421 |     |  |      |      |       |     |      |
| AVG | 0.827 |      |  |  |      | 0.827 |     |     | 6    | 1.03 | 0.17  | 2.04 | 68   | 468 |  |      |      |       |     |      |
| MIN | 0.418 | 2.08 |  |  |      | 0.366 | 8.3 | 7.4 | 2    | 1.0  | 0.1   | 2.0  | 60   | 400 |  | 6.57 | 0.66 | 13.14 | 426 | 2839 |
| MAX | 0.997 | 3.42 |  |  | 0.05 | 1.214 |     | 7.8 | 156  | 1.3  | 0.6   | 2.4  | 75   | 524 |  | 9.71 | 4.48 | 16.99 | 582 | 3873 |

2-Hour Peak Flow,  
<4,167 GPM:

1,250

Reading 1/1/2020 410946  
Reading 2/1/2020 436574  
# of days 31  
Daily Average Flow= 0.8267 MGD

|         |       |       |       |       |       |       |       |       |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly | 01/20 | 0.827 | 04/19 | 0.831 | 07/19 | 0.753 | 10/19 | 0.792 |
| Average | 02/19 | 0.765 | 05/19 | 0.870 | 08/19 | 0.796 | 11/19 | 0.801 |
| Flows   | 03/19 | 0.731 | 06/19 | 0.827 | 09/19 | 0.835 | 12/19 | 0.795 |

Annual Average Flow: 0.802

Total 5.2

Reading 2/1/2019 142896  
Reading 2/1/2020 436574  
Total  
Annual Average Flow: 0.805 MGD  
Capacity: 55%

Plant 3 was offline from January 7, 2020 to January 24, 2020 for inspection.

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

February 2020

| TX0124907 |         | Grab Samples  |         |         |          |            | Grab Samples |           |         |      | Composite Samples |      |          |        |            |         |         |         |          |         |     |      |          |
|-----------|---------|---------------|---------|---------|----------|------------|--------------|-----------|---------|------|-------------------|------|----------|--------|------------|---------|---------|---------|----------|---------|-----|------|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS  | NH3-N             | CBOD | Chloride | TDS    | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     |      | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         | <0.1     | 1.500      | mg/L         | S.U.      | CFU/ml  | mg/l | mg/l              | mg/l | mg/l     | mg/l   | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     |      | Inches   |
| Permit    | MGD     | Plant 1       | Plant 2 | Plant 3 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15   | 3                 | 10   | Report   | Report | NA         | 188     | 38      | 125     | Report   | Report  | Day |      |          |
| 1         | 0.757   | 3.52          | 2.84    | 2.74    | 0.01     | 0.797      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 1   | 0    |          |
| 2         | 0.793   | 3.70          | 2.55    | 2.52    | 0.02     | 1.087      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 2   | 0    |          |
| 3         | 0.839   | 2.81          | 2.80    | 2.41    | 0.01     | 0.645      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 3   | 0    |          |
| 4         | 0.839   | 2.42          | 3.11    | 3.12    | 0.01     | 0.946      | 8.7          | 7.6       |         | 1.0  | 0.1               | 2.0  | 69       | 496    | 294        | 7.00    | 0.70    | 13.99   | 483      | 3471    | 4   | 0    |          |
| 5         | 0.795   | 3.10          | 2.90    | 2.90    | 0.02     | 0.746      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 5   | 0    |          |
| 6         | 0.366   | 2.95          | 3.29    | 2.71    | 0.01     | 0.869      | 9.0          | 7.8       | 2       | 1.0  | 0.1               | 2.0  | 67       | 488    | 288        | 3.05    | 0.31    | 6.10    | 205      | 1490    | 6   | 0    |          |
| 7         | 0.429   | 2.71          | 2.92    | 2.85    | 0.01     | 0.619      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 7   | 0    |          |
| 8         | 0.618   | 2.82          | 3.11    | 2.79    | 0.02     | 0.799      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 8   | 0    |          |
| 9         | 0.615   | 2.89          | 3.02    | 2.71    | 0.01     | 0.917      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 9   | 0    |          |
| 10        | 0.334   | 2.41          | 2.91    | 3.00    | 0.01     | 1.064      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 10  | 0    |          |
| 11        | 1.045   | 2.80          | Offline | 2.05    | 0.02     | 0.881      | 8.8          | 7.6       |         | 1.0  | 0.1               | 2.0  | 69       | 508    | 284        | 8.72    | 0.87    | 17.43   | 601      | 4427    | 11  | 0.25 |          |
| 12        | 1.090   | 2.12          | Offline | 2.91    | 0.02     | 0.824      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 12  | 0.25 |          |
| 13        | 0.803   | 2.41          | Offline | 1.92    | 0.01     | 0.771      | 7.9          | 7.3       | 2       | 1.4  | 0.1               | 2.0  | 69       | 480    | 290        | 9.38    | 0.67    | 13.39   | 462      | 3215    | 13  | 0    |          |
| 14        | 0.765   | 2.10          | Offline | 2.39    | 0.01     | 0.685      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 14  | 0    |          |
| 15        | 0.818   | 3.22          | Offline | 3.50    | 0.03     | 0.815      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 15  | 0    |          |
| 16        | 0.786   | 3.13          | Offline | 3.22    | 0.03     | 0.830      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 16  | 0    |          |
| 17        | 0.796   | 2.91          | Offline | 3.01    | 0.02     | 0.906      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 17  | 0    |          |
| 18        | 0.846   | 2.39          | Offline | 2.71    | 0.01     | 0.742      | 8.8          | 7.3       |         | 1.0  | 0.1               | 2.0  | 69       | 472    | 280        | 7.06    | 0.71    | 14.11   | 487      | 3330    | 18  | 0    |          |
| 19        | 0.775   | 2.30          | 2.75    | 2.30    | 0.02     | 0.650      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 19  | 0.25 |          |
| 20        | 0.658   | 2.70          | 3.00    | 2.82    | 0.01     | 0.750      | 8.7          | 7.4       | 2       | 1.0  | 0.1               | 2.0  | 71       | 456    | 300        | 5.49    | 0.55    | 10.98   | 390      | 2502    | 20  | 0.25 |          |
| 21        | 0.766   | 2.35          | 3.71    | 2.41    | 0.02     | 0.677      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 21  | 0    |          |
| 22        | 0.753   | 2.82          | 3.52    | 2.73    | 0.01     | 0.794      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 22  | 0    |          |
| 23        | 0.753   | 3.10          | 3.15    | 2.52    | 0.02     | 0.984      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 23  | 0    |          |
| 24        | 0.836   | 3.71          | 2.91    | 2.30    | 0.01     | 0.822      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 24  | 0.5  |          |
| 25        | 0.844   | 2.39          | 2.40    | 2.82    | 0.01     | 0.684      | 10.2         | 7.3       | 10      | 1.0  | 0.1               | 2.0  | 71       | 588    | 294        | 7.04    | 0.70    | 14.08   | 500      | 4139    | 25  | 0    |          |
| 26        | 0.782   | 2.13          | 2.92    | 2.39    | 0.02     | 0.907      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 26  | 0    |          |
| 27        | 0.767   | 2.31          | 3.27    | 2.41    | 0.01     | 0.607      | 8.3          | 7.2       |         | 1.3  | 0.1               | 2.0  | 72       | 548    | 298        | 8.32    | 0.64    | 12.79   | 461      | 3505    | 27  | 0    |          |
| 28        | 0.742   | 2.14          | 2.71    | 3.00    | 0.03     | 0.783      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 28  | 0    |          |
| 29        | 0.814   | 2.23          | 2.89    | 2.82    | 0.02     | 0.794      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 29  | 0    |          |
| 30        |         |               |         |         |          |            |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 30  |      |          |
| 31        |         |               |         |         |          |            |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 31  |      |          |

|     |       |      |  |  |      |       |     |     |    |      |      |       |     |      |  |      |      |       |     |      |  |      |  |
|-----|-------|------|--|--|------|-------|-----|-----|----|------|------|-------|-----|------|--|------|------|-------|-----|------|--|------|--|
|     |       |      |  |  |      |       |     |     |    | 7.00 | 0.64 | 12.86 | 448 | 3260 |  |      |      |       |     |      |  |      |  |
| AVG | 0.807 |      |  |  |      | 0.807 |     |     | 3  | 1.09 | 0.10 | 2.00  | 70  | 505  |  |      |      |       |     |      |  |      |  |
| MIN | 0.334 | 1.92 |  |  |      | 0.607 | 7.9 | 7.2 | 2  | 1.0  | 0.1  | 2.0   | 67  | 456  |  | 3.05 | 0.31 | 6.10  | 205 | 1490 |  | 0.00 |  |
| MAX | 1.090 | 3.71 |  |  | 0.03 | 1.087 |     | 7.8 | 10 | 1.4  | 0.1  | 2.0   | 72  | 588  |  | 9.38 | 0.87 | 17.43 | 601 | 4427 |  | 0.50 |  |

2-Hour Peak  
Flow, <4,167  
GPM:  
  
1,667

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/20 | 0.827 | 04/19 | 0.831 | 07/19 | 0.753 | 10/19 | 0.792 |
| Average              | 02/20 | 0.807 | 05/19 | 0.870 | 08/19 | 0.796 | 11/19 | 0.801 |
| Flows                | 03/19 | 0.731 | 06/19 | 0.827 | 09/19 | 0.835 | 12/19 | 0.795 |
| Annual Average Flow: |       |       |       |       |       |       | 0.805 |       |

Total 1.5

Reading 2/1/2020 436574  
Reading 3/1/2020 459969

Reading 3/1/2019 164323  
Reading 3/1/2020 459969

Plant 2 was offline from February 11-18, 2020  
for inspection.

# of days 29  
Daily Average Flow= 0.8067

Annual Average Flow: 0.810 MGD  
Capacity: 54%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

March 2020

| TX0124907 |         | Grab Samples  |         |         |          |            |      | Grab Samples |         |      | Composite Samples |      |          |        |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|----------|------------|------|--------------|---------|------|-------------------|------|----------|--------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         | TCR mg/l | Flow MGD   | DO   | pH           | E. coli | TSS  | NH3-N             | CBOD | Chloride | TDS    | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         | <0.1     | 1.500      | mg/L | S.U.         | CFU/ml  | mg/l | mg/l              | mg/l | mg/l     | mg/l   | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Final    | Total Flow | 4.0  | 6.5 - 9.0    | 63      | 15   | 3                 | 10   | Report   | Report | NA         | 188     | 38      | 125     | Report   | Report  | Day |          |
| 1         | 0.774   | 2.32          | 2.82    | 2.91    | 0.02     | 0.862      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 1   | 0        |
| 2         | 0.839   | 2.09          | 3.11    | 3.11    | 0.01     | 0.896      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 2   | 0        |
| 3         | 0.898   | 2.70          | 3.30    | 3.50    | 0.03     | 0.865      | 8.3  | 7.4          |         | 1.0  | 0.1               | 2.0  | 72       | 660    | 292        | 7.49    | 0.75    | 14.98   | 539      | 4943    | 3   | 0        |
| 4         | 0.832   | 2.12          | 3.01    | 3.31    | 0.01     | 0.854      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 4   | 0.25     |
| 5         | 0.843   | 2.49          | 2.28    | 2.67    | 0.02     | 0.796      | 7.8  | 7.5          | 2       | 1.0  | 0.1               | 2.0  | 79       | 476    | 286        | 7.03    | 0.70    | 14.06   | 555      | 3347    | 5   | 0        |
| 6         | 0.826   | 2.72          | 2.72    | 2.10    | 0.01     | 0.762      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 6   | 0        |
| 7         | 0.815   | 3.00          | 3.39    | 3.11    | 0.02     | 1.062      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 7   | 0        |
| 8         | 0.775   | 3.00          | 3.39    | 3.11    | 0.01     | 0.489      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 8   | 0        |
| 9         | 0.785   | 2.31          | 2.91    | 2.42    | 0.01     | 0.821      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 9   | 0        |
| 10        | 0.691   | 3.72          | 3.31    | 2.94    | 0.02     | 0.592      | 9.2  | 7.5          | 57      | 1.0  | 0.1               | 2.0  | 71       | 512    | 302        | 5.76    | 0.58    | 11.53   | 409      | 2951    | 10  | 0        |
| 11        | 0.640   | 3.13          | 3.86    | 2.11    | 0.03     | 0.551      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 11  | 0        |
| 12        | 0.649   | 3.34          | 3.81    | 1.75    | 0.05     | 0.847      | 8.1  | 7.7          |         | 2.6  | 2.7               | 3.5  | 142      | 644    | 284        | 14.07   | 14.61   | 18.94   | 769      | 3486    | 12  | 0        |
| 13        | 0.750   | 2.98          | 3.18    | 2.25    | 0.02     | 0.700      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 13  | 0        |
| 14        | 0.750   | 3.15          | 3.52    | 3.70    | 0.02     | 0.843      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 14  | 0        |
| 15        | 0.827   | 3.42          | 3.34    | 3.42    | 0.01     | 0.968      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 15  | 0        |
| 16        | 0.874   | 3.21          | 3.70    | 2.91    | 0.03     | 0.771      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 16  | 0        |
| 17        | 0.854   | 3.11          | 3.89    | 2.99    | 0.01     | 1.050      | 8.7  | 7.4          | 2       | 1.0  | 0.1               | 2.0  | 65       | 552    | 300        | 7.12    | 0.71    | 14.24   | 463      | 3932    | 17  | 0        |
| 18        | 0.919   | 3.39          | 3.81    | 2.92    | 0.02     | 0.777      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 18  | 0        |
| 19        | 0.866   | 3.00          | 2.98    | 3.07    | 0.01     | 0.985      | 8.3  | 7.4          |         | 1.0  | 0.5               | 2.0  | 70       | 500    | 294        | 7.22    | 3.61    | 14.44   | 506      | 3611    | 19  | 0        |
| 20        | 0.916   | 3.20          | 3.30    | 2.99    | 0.01     | 1.358      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 20  | 0.2      |
| 21        | 0.840   | 3.20          | 3.30    | 2.99    | 0.01     | 0.799      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 21  | 1.7      |
| 22        | 0.767   | 3.12          | 3.31    | 3.51    | 0.01     | 0.674      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 22  | 0.3      |
| 23        | 0.946   | 2.79          | 3.71    | 3.10    | 0.02     | 0.904      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 23  | 0.25     |
| 24        | 0.902   | 2.90          | 3.82    | 3.27    | 0.01     | 0.968      | 8.7  | 7.4          | 2       | 1.0  | 0.1               | 2.0  | 68       | 488    | 294        | 7.52    | 0.75    | 15.05   | 512      | 3671    | 24  | 0        |
| 25        | 0.936   | 2.69          | 3.70    | 3.01    | 0.02     | 0.887      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 25  | 0        |
| 26        | 0.923   | 3.01          | 3.41    | 2.70    | 0.01     | 0.900      | 8.5  | 8.2          |         | 1.0  | 0.1               | 2.0  | 61       | 524    | 290        | 7.70    | 0.77    | 15.40   | 470      | 4034    | 26  | 0        |
| 27        | 0.891   | 2.90          | 3.75    | 2.91    | 0.02     | 0.877      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 27  | 0        |
| 28        | 0.716   | 2.81          | 3.59    | 3.00    | 0.02     | 0.909      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 28  | 0        |
| 29        | 0.551   | 2.98          | 3.37    | 2.79    | 0.02     | 0.885      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 29  | 0        |
| 30        | 0.874   | 2.70          | 3.79    | 2.30    | 0.01     | 0.862      |      |              |         |      |                   |      |          |        |            |         |         |         |          |         | 30  | 0.28     |
| 31        | 0.871   | 2.88          | 3.40    | 2.71    | 0.01     | 0.918      | 8.2  | 7.3          | 19      | 1.0  | 0.1               | 2.0  | 60       | 512    | 300        | 7.26    | 0.73    | 14.53   | 436      | 3719    | 31  | 0.25     |

|     |       |      |  |  |      |       |     |     |    |      |      |       |     |      |  |       |       |       |     |      |  |      |
|-----|-------|------|--|--|------|-------|-----|-----|----|------|------|-------|-----|------|--|-------|-------|-------|-----|------|--|------|
|     |       |      |  |  |      |       |     |     |    | 7.91 | 2.58 | 14.80 | 518 | 3744 |  |       |       |       |     |      |  |      |
| AVG | 0.853 |      |  |  |      | 0.853 |     |     | 6  | 1.18 | 0.43 | 2.17  | 76  | 541  |  |       |       |       |     |      |  |      |
| MIN | 0.551 | 1.75 |  |  |      | 0.489 | 7.8 | 7.3 | 2  | 1.0  | 0.1  | 2.0   | 60  | 476  |  | 5.76  | 0.58  | 11.53 | 409 | 2951 |  | 0.00 |
| MAX | 0.946 | 3.89 |  |  | 0.05 | 1.358 |     | 8.2 | 57 | 2.6  | 2.7  | 3.5   | 142 | 660  |  | 14.07 | 14.61 | 18.94 | 769 | 4943 |  | 1.70 |

2-Hour Peak Flow,  
<4,167 GPM:

1,250

Reading 3/1/2020 459969

Reading 4/1/2020 486401

# of days

Daily Average Flow= 0.8526

Monthly Average Flows

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 01/20 | 0.827 | 04/19 | 0.831 | 07/19 | 0.753 | 10/19 | 0.792 |
| 02/20 | 0.807 | 05/19 | 0.870 | 08/19 | 0.796 | 11/19 | 0.801 |
| 03/20 | 0.853 | 06/19 | 0.827 | 09/19 | 0.835 | 12/19 | 0.795 |

Annual Average Flow: 0.816

Total 3.23

Reading 4/1/2019 186999

Reading 4/1/2020 486401

Annual Average Flow: 0.820 MGD

Capacity: 57%



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

April 2020

| TX0124907 |         | Grab Samples  |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |          |        |  |
|-----------|---------|---------------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|----------|--------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     | Rainfall |        |  |
|           | Flow    | 1.0 - 4.0     |         |         |       | <0.1       | 1.500    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |          | Inches |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | Report   | NA   | 188        | 38      | 125     | Report  | Report   | Day     |          |        |  |
| 1         | 0.893   | 3.52          | 3.72    | 2.89    | 0.02  | 0.814      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 1       | 0        |        |  |
| 2         | 0.842   | 3.10          | 3.81    | 2.41    | 0.03  | 0.918      | 7.8      | 7.7          |      | 1.0     | 1.4               | 2.0   | 71     | 496      | 308  | 7.02       | 9.83    | 14.04   | 499     | 3483     | 2       | 0        |        |  |
| 3         | 0.890   | 3.42          | 3.58    | 2.00    | 0.01  | 1.199      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 3       | 0        |        |  |
| 4         | 0.893   | 3.42          | 3.48    | 3.30    | 0.01  | 0.908      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 4       | 1        |        |  |
| 5         | 0.946   | 3.41          | 3.52    | 3.31    | 0.01  | 0.632      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0.2      |        |  |
| 6         | 0.912   | 3.10          | 3.70    | 2.90    | 0.03  | 0.897      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       | 0        |        |  |
| 7         | 0.918   | 2.91          | 3.15    | 2.45    | 0.04  | 1.059      | 8.7      | 7.3          | 172  | 1.0     | 0.1               | 2.0   | 61     | 448      | 274  | 7.66       | 0.77    | 15.31   | 467     | 3430     | 7       | 0        |        |  |
| 8         | 0.912   | 3.71          | 3.69    | 2.00    | 0.02  | 0.846      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 8       | 0        |        |  |
| 9         | 0.969   | 2.70          | 3.01    | 2.71    | 0.01  | 0.881      | 8.1      | 7.8          |      | 1.0     | 0.1               | 2.0   | 60     | 452      | 410  | 8.08       | 0.81    | 16.16   | 485     | 3653     | 9       | 0        |        |  |
| 10        | 0.910   | 3.12          | 3.52    | 3.14    | 0.02  | 0.985      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 10      | 0        |        |  |
| 11        | 0.735   | 3.01          | 3.09    | 2.82    | 0.02  | 0.974      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 11      | 0        |        |  |
| 12        | 0.909   | 3.19          | 3.20    | 2.71    | 0.02  | 0.881      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0.1      |        |  |
| 13        | 0.929   | 2.70          | 3.05    | 2.92    | 0.01  | 0.904      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0        |        |  |
| 14        | 0.920   | 2.42          | 2.91    | 2.50    | 0.03  | 0.927      | 10.7     | 7.3          |      | 1.0     | 0.1               | 2.0   | 68     | 428      | 350  | 7.67       | 0.77    | 15.35   | 522     | 3284     | 14      | 0        |        |  |
| 15        | 0.932   | 2.91          | 3.39    | 2.41    | 0.01  | 0.922      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 15      | 0        |        |  |
| 16        | 0.927   | 3.00          | 3.69    | 2.80    | 0.01  | 0.867      | 7.9      | 8.1          | 2    | 1.0     | 0.1               | 2.0   | 67     | 480      | 308  | 7.73       | 0.77    | 15.46   | 518     | 3711     | 16      | 0        |        |  |
| 17        | 0.867   | 2.83          | 3.82    | 1.88    | 0.03  | 1.087      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 17      | 0        |        |  |
| 18        | 0.803   | 3.15          | 3.11    | 3.12    | 0.01  | 0.838      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      | 0        |        |  |
| 19        | 0.877   | 3.51          | 3.52    | 3.51    | 0.01  | 0.768      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 0.4      |        |  |
| 20        | 0.982   | 3.28          | 2.90    | 2.92    | 0.03  | 0.850      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      | 0.5      |        |  |
| 21        | 0.862   | 3.40          | 3.42    | 2.81    | 0.02  | 1.015      | 7.6      | 7.3          | 597  | 1.0     | 0.1               | 2.0   | 68     | 480      | 306  | 7.19       | 0.72    | 14.38   | 489     | 3451     | 21      | 0        |        |  |
| 22        | 0.876   | 3.01          | 3.82    | 2.39    | 0.01  | 0.723      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 22      | 0        |        |  |
| 23        | 0.853   | 2.64          | 3.30    | 2.92    | 0.03  | 0.826      | 8.0      | 7.8          | 2    | 1.0     | 0.1               | 2.0   | 68     | 392      | 306  | 7.11       | 0.71    | 14.23   | 484     | 2789     | 23      | 0        |        |  |
| 24        | 0.842   | 2.85          | 3.74    | 2.70    | 0.02  | 0.859      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 24      | 0        |        |  |
| 25        | 0.843   | 3.32          | 3.52    | 3.13    | 0.01  | 0.860      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 25      | 0        |        |  |
| 26        | 0.843   | 3.10          | 3.30    | 2.90    | 0.02  | 0.940      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      | 0        |        |  |
| 27        | 0.879   | 3.69          | 3.82    | 3.00    | 0.03  | 0.933      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      | 0        |        |  |
| 28        | 0.882   | 3.41          | 3.71    | 3.21    | 0.02  | 1.116      | 9.6      | 7.4          | 2    | 1.0     | 0.1               | 2.0   | 68     | 516      | 308  | 7.36       | 0.74    | 14.71   | 500     | 3796     | 28      | 0        |        |  |
| 29        | 0.959   | 3.80          | 3.40    | 2.91    | 0.04  | 0.756      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 29      | 1.25     |        |  |
| 30        | 0.999   | 3.68          | 3.71    | 3.00    | 0.01  | 0.855      | 7.7      | 7.8          |      | 1.0     | 0.1               | 2.0   | 68     | 524      | 308  | 8.33       | 0.83    | 16.66   | 567     | 4366     | 30      | 0        |        |  |
| 31        |         |               |         |         |       |            |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 31      |          |        |  |

|     |       |      |  |  |  |       |       |     |     |      |      |       |     |      |  |      |      |       |     |      |  |      |
|-----|-------|------|--|--|--|-------|-------|-----|-----|------|------|-------|-----|------|--|------|------|-------|-----|------|--|------|
|     |       |      |  |  |  |       |       |     |     | 7.57 | 1.77 | 15.15 | 503 | 3551 |  |      |      |       |     |      |  |      |
| AVG | 0.901 |      |  |  |  | 0.901 |       |     | 15  | 1.00 | 0.24 | 2.00  | 67  | 468  |  |      |      |       |     |      |  |      |
| MIN | 0.735 | 1.88 |  |  |  | 0.632 | 7.6   | 7.3 | 2   | 1.0  | 0.1  | 2.0   | 60  | 392  |  | 7.02 | 0.71 | 14.04 | 467 | 2789 |  | 0.00 |
| MAX | 0.999 | 3.82 |  |  |  | 0.04  | 1.199 | 8.1 | 597 | 1.0  | 1.4  | 2.0   | 71  | 524  |  | 8.33 | 9.83 | 16.66 | 567 | 4366 |  | 1.25 |

2-Hour Peak Flow,  
<4,167 GPM:

1,375

Reading 4/1/2020 486401  
Reading 5/1/2020 513441  
# of days 30  
Daily Average Flow= 0.9013333

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/20 | 0.827 | 04/20 | 0.901 | 07/19 | 0.753 | 10/19 | 0.792 |
| Average              | 02/20 | 0.807 | 05/19 | 0.870 | 08/19 | 0.796 | 11/19 | 0.801 |
| Flows                | 03/20 | 0.853 | 06/19 | 0.827 | 09/19 | 0.835 | 12/19 | 0.795 |
| Annual Average Flow: |       |       |       |       |       |       | 0.821 |       |

Reading 5/1/2019 211939  
Reading 5/1/2020 513441  
Annual Average Flow: 0.826 MGD  
Capacity: 60%  
\*Used daily average flow for plant 1 from 7/12-7/18 when the flow meter stopped working.  
(0.144 MGD)  
New flow meter installed 8/1/18 for final flow.

Total 3.45

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

May 2020

| TX0124907 |         | Grab Samples  |         |         |       |            | Grab Samples |           |      | Composite Samples |      |       |      |          |        |            |         |         |         |          |         |      |          |
|-----------|---------|---------------|---------|---------|-------|------------|--------------|-----------|------|-------------------|------|-------|------|----------|--------|------------|---------|---------|---------|----------|---------|------|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |       | TCR mg/l   | Flow MGD     | DO        | pH   | E. coli           | TSS  | NH3-N | CBOD | Chloride | TDS    | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |       | <0.1       | 1.500        | mg/L      | S.U. | CFU/ml            | mg/l | mg/l  | mg/l | mg/l     | mg/l   | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Final | Total Flow | 4.0          | 6.5 - 9.0 | 63   |                   | 15   | 3     | 10   | Report   | Report | NA         | 188     | 38      | 125     | Report   | Report  | Day  |          |
| 1         | 0.855   | 3.20          | 3.79    | 2.87    | 0.02  | 0.853      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 1    | 0        |
| 2         | 0.851   | 3.39          | 3.61    | 3.09    | 0.03  | 0.926      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 2    | 0        |
| 3         | 0.885   | 3.11          | 3.50    | 3.21    | 0.02  | 0.901      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 3    | 0        |
| 4         | 0.928   | 3.70          | 3.81    | 2.92    | 0.01  | 0.930      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 4    | 0        |
| 5         | 0.932   | 3.12          | 3.40    | 2.80    | 0.04  | 0.909      | 8.3          | 7.7       | 2    | 1.0               | 0.1  | 2.0   | 69   | 480      | 318    | 7.77       | 0.78    | 15.55   | 536     | 3731     | 5       | 0    |          |
| 6         | 0.903   | 3.79          | 3.82    | 2.92    | 0.02  | 0.868      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 6    | 0.5      |
| 7         | 0.885   | 3.88          | 3.79    | 3.20    | 0.03  | 0.986      | 7.8          | 7.6       |      | 1.0               | 0.1  | 2.0   | 69   | 472      | 320    | 7.38       | 0.74    | 14.76   | 509     | 3484     | 7       | 0    |          |
| 8         | 0.953   | 3.63          | 3.70    | 2.71    | 0.01  | 1.139      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 8    | 0        |
| 9         | 0.892   | 3.52          | 3.43    | 3.42    | 0.01  | 0.892      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 9    | 0        |
| 10        | 0.871   | 3.52          | 3.53    | 3.52    | 0.01  | 0.597      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 10   | 0        |
| 11        | 0.871   | 3.60          | 3.81    | 3.09    | 0.02  | 0.910      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 11   | 0        |
| 12        | 0.870   | 3.41          | 3.22    | 2.91    | 0.03  | 1.014      | 9.7          |           | 2    | 1.0               | 0.1  | 2.0   | 68   | 492      | 274    | 7.26       | 0.73    | 14.51   | 493     | 3570     | 12      | 0    |          |
| 13        | 0.984   | 3.10          | 3.87    | 3.30    | 0.01  | 0.927      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 13   | 0.25     |
| 14        | 0.934   | 3.45          | 3.71    | 3.09    | 0.02  | 1.048      | 8.1          | 8.4       |      | 1.0               | 0.1  | 3.2   | 67   | 460      | 320    | 7.79       | 0.78    | 24.93   | 522     | 3583     | 14      | 0    |          |
| 15        | 1.038   | 3.71          | 3.79    | 3.22    | 0.02  | 0.921      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 15   | 0        |
| 16        | 0.961   | 3.52          | 3.70    | 3.34    | 0.01  | 0.943      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 16   | 0.5      |
| 17        | 0.961   | 3.74          | 3.92    | 3.13    | 0.02  | 0.954      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 17   | 0        |
| 18        | 0.922   | 3.41          | 3.41    | 2.91    | 0.01  | 0.810      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 18   | 0        |
| 19        | 0.868   | 3.12          | 3.71    | 3.20    | 0.03  | 0.952      | 9.2          | 7.4       | 2    | 1.0               | 0.1  | 3.1   | 73   | 468      | 322    | 7.24       | 0.72    | 22.44   | 528     | 3388     | 19      | 0    |          |
| 20        | 0.900   | 3.51          | 3.40    | 3.51    | 0.02  | 0.971      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 20   | 0        |
| 21        | 0.961   | 3.15          | 3.85    | 3.12    | 0.01  | 0.912      | 7.8          | 8.5       |      | 1.0               | 0.1  | 2.0   | 72   | 444      | 270    | 8.01       | 0.80    | 16.03   | 577     | 3559     | 21      | 0    |          |
| 22        | 0.915   | 3.40          | 3.51    | 3.29    | 0.01  | 0.902      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 22   | 0        |
| 23        | 0.916   | 3.09          | 3.70    | 3.21    | 0.02  | 0.915      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 23   | 0        |
| 24        | 0.911   | 3.31          | 3.53    | 3.40    | 0.01  | 0.977      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 24   | 0        |
| 25        | 1.037   | 3.52          | 3.74    | 3.12    | 0.02  | 1.045      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 25   | 1.25     |
| 26        | 0.932   | 3.11          | 3.31    | 2.91    | 0.01  | 0.959      | 8.7          | 7.4       | 2    | 1.0               | 0.1  | 2.5   | 70   | 472      | 300    | 7.77       | 0.78    | 19.43   | 544     | 3669     | 26      | 1    |          |
| 27        | 1.011   | 3.41          | 3.70    | 2.79    | 0.03  | 1.020      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 27   | 0        |
| 28        | 1.004   | 3.20          | 3.01    | 3.02    | 0.01  | 1.066      | 7.8          | 8.7       |      | 1.0               | 0.1  | 2.0   | 70   | 500      | 306    | 8.37       | 0.84    | 16.75   | 586     | 4187     | 28      | 1.25 |          |
| 29        | 0.994   | 2.91          | 3.69    | 3.31    | 0.03  | 1.159      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 29   | 0        |
| 30        | 0.898   | 3.12          | 3.50    | 3.42    | 0.01  | 0.678      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 30   | 0        |
| 31        | 0.917   | 3.53          | 3.52    | 3.52    | 0.03  | 0.811      |              |           |      |                   |      |       |      |          |        |            |         |         |         |          |         | 31   | 0        |

| Daily Average loading (lbs/day) |       |      |  |  |  |       |       |     | 7.70 | 0.77 | 18.05 | 537 | 3646 |     |  |      |      |       |     |      |
|---------------------------------|-------|------|--|--|--|-------|-------|-----|------|------|-------|-----|------|-----|--|------|------|-------|-----|------|
| AVG                             | 0.932 |      |  |  |  | 0.932 |       | 2   | 1.00 | 0.10 | 2.35  | 70  | 474  |     |  |      |      |       |     |      |
| MIN                             | 0.851 | 2.71 |  |  |  | 0.597 | 7.8   | 7.4 | 2    | 1.0  | 0.1   | 2.0 | 67   | 444 |  | 7.24 | 0.72 | 14.51 | 493 | 3388 |
| MAX                             | 1.038 | 3.92 |  |  |  | 0.04  | 1.159 | 8.7 | 2    | 1.0  | 0.1   | 3.2 | 73   | 500 |  | 8.37 | 0.84 | 24.93 | 586 | 4187 |

|      |
|------|
|      |
|      |
| 0.00 |
| 1.25 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><4,167 GPM: |
| 1,458                            |

Reading 5/1/2020 513441  
Reading 6/1/2020 542336  
# of days 31  
Daily Average Flow= 0.932097

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/20 | 0.827 | 04/20 | 0.901 | 07/19 | 0.753 | 10/19 | 0.792 |
|                             | 02/20 | 0.807 | 05/20 | 0.932 | 08/19 | 0.796 | 11/19 | 0.801 |
|                             | 03/20 | 0.853 | 06/19 | 0.827 | 09/19 | 0.835 | 12/19 | 0.795 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.827 |       |

Reading 6/1/2019 238899  
Reading 6/1/2020 542336  
Annual Average Flow: 0.831 MGD  
Capacity: 62%

TOTAL 4.75

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

June 2020

| TX0124907 |         | Grab Samples  |         |         |          |            | Grab Samples |           |         |      | Composite Samples |      |          |        |            |  | TSS     | NH3-N   | CBOD    | Chloride | TDS     | Rainfall |          |
|-----------|---------|---------------|---------|---------|----------|------------|--------------|-----------|---------|------|-------------------|------|----------|--------|------------|--|---------|---------|---------|----------|---------|----------|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS  | NH3-N             | CBOD | Chloride | TDS    | Alkalinity |  | TSS     | NH3-N   | CBOD    | Chloride | TDS     |          | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         | <0.1     | 1.500      | mg/L         | S.U.      | CFU/ml  | mg/l | mg/l              | mg/l | mg/l     | mg/l   | mg/l       |  | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |          | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15   | 3                 | 10   | Report   | Report | NA         |  | 188     | 38      | 125     | Report   | Report  | Day      |          |
| 1         | 0.936   | 2.91          | 3.11    | 3.20    | 0.02     | 0.907      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 1        | 0        |
| 2         | 0.901   | 2.42          | 2.90    | 2.88    | 0.01     | 0.975      | 8.7          | 7.4       | 2       | 1.0  | 0.1               | 2.0  | 71       | 480    | 296        |  | 7.51    | 0.75    | 15.03   | 534      | 3607    | 2        | 0        |
| 3         | 0.941   | 2.91          | 3.81    | 3.10    | 0.04     | 1.093      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 3        | 0        |
| 4         | 1.100   | 2.70          | 3.10    | 2.81    | 0.02     | 1.013      | 7.6          | 7.6       |         | 1.0  | 0.5               | 2.0  | 73       | 504    | 302        |  | 9.17    | 4.59    | 18.35   | 670      | 4624    | 4        | 1.5      |
| 5         | 0.989   | 2.94          | 3.72    | 2.90    | 0.01     | 0.895      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 5        | 0        |
| 6         | 0.989   | 3.15          | 3.40    | 3.12    | 0.02     | 0.942      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 6        | 0        |
| 7         | 0.933   | 3.34          | 3.72    | 3.30    | 0.02     | 1.004      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 7        | 0        |
| 8         | 0.949   | 3.00          | 3.11    | 2.91    | 0.01     | 0.909      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 8        | 0        |
| 9         | 0.945   | 3.54          | 2.90    | 3.24    | 0.02     | 1.005      | 7.8          | 7.6       | 2       | 1.0  | 0.1               | 2.0  | 72       | 468    | 302        |  | 7.88    | 0.79    | 15.76   | 567      | 3688    | 9        | 0        |
| 10        | 0.995   | 3.21          | 3.42    | 2.80    | 0.03     | 0.922      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 10       | 0        |
| 11        | 0.952   | 3.40          | 3.79    | 2.92    | 0.02     | 1.055      | 7.1          | 7.4       |         | 1.0  | 0.1               | 2.0  | 71       | 424    | 310        |  | 7.94    | 0.79    | 15.88   | 564      | 3366    | 11       | 0        |
| 12        | 0.961   | 3.82          | 2.91    | 2.92    | 0.01     | 0.845      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 12       | 0        |
| 13        | 0.917   | 3.61          | 3.12    | 3.01    | 0.01     | 0.886      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 13       | 0        |
| 14        | 0.883   | 3.69          | 3.30    | 3.02    | 0.02     | 0.880      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 14       | 0        |
| 15        | 0.901   | 3.20          | 3.52    | 3.41    | 0.04     | 0.920      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 15       | 0        |
| 16        | 0.885   | 3.41          | 3.10    | 3.20    | 0.05     | 0.884      | 8.2          | 7.3       | 2       | 1.0  | 0.1               | 2.0  | 73       | 472    | 298        |  | 7.38    | 0.74    | 14.76   | 539      | 3484    | 16       | 0        |
| 17        | 0.912   | 2.92          | 3.69    | 3.51    | 0.03     | 0.941      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 17       | 0        |
| 18        | 0.955   | 3.20          | 3.61    | 3.12    | 0.01     | 0.929      | 7.9          | 7.9       |         | 1.0  | 0.1               | 2.0  | 71       | 492    | 286        |  | 7.96    | 0.80    | 15.93   | 565      | 3919    | 18       | 0        |
| 19        | 0.923   | 3.12          | 3.41    | 3.41    | 0.02     | 1.363      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 19       | 0        |
| 20        | 0.923   | 3.52          | 3.51    | 3.51    | 0.01     | 0.812      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 20       | 0        |
| 21        | 0.925   | 3.52          | 3.51    | 3.41    | 0.01     | 0.708      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 21       | 0        |
| 22        | 0.953   | 3.11          | 3.00    | 3.10    | 0.02     | 1.051      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 22       | 0.5      |
| 23        | 1.039   | 2.90          | 3.17    | 3.73    | 0.04     | 1.087      | 7.7          | 7.2       | 2       | 1.0  | 0.1               | 2.0  | 71       | 440    | 300        |  | 8.67    | 0.87    | 17.33   | 615      | 3813    | 23       | 1.5      |
| 24        | 0.911   | 3.31          | 2.81    | 2.91    | 0.03     | 1.149      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 24       | 2.5      |
| 25        | 1.232   | 3.12          | 2.99    | 2.70    | 0.01     | 1.146      | 8.1          | 7.9       |         | 1.0  | 0.1               | 2.0  | 70       | 480    | 300        |  | 10.27   | 1.03    | 20.55   | 719      | 4932    | 25       | 2.5      |
| 26        | 1.192   | 3.71          | 2.93    | 3.19    | 0.02     | 0.857      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 26       | 0.5      |
| 27        | 1.191   | 3.52          | 3.30    | 3.52    | 0.01     | 0.962      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 27       | 0        |
| 28        | 0.964   | 3.74          | 3.12    | 3.30    | 0.02     | 1.239      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 28       | 0        |
| 29        | 0.977   | 3.21          | 2.90    | 2.91    | 0.03     | 0.709      |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 29       | 0.2      |
| 30        | 0.926   | 3.52          | 3.42    | 3.12    | 0.02     | 0.952      | 7.8          | 7.6       | 2       | 1.0  | 0.1               | 2.0  | 66       | 504    | 290        |  | 7.72    | 0.77    | 15.45   | 510      | 3892    | 30       | 0        |
| 31        |         |               |         |         |          |            |              |           |         |      |                   |      |          |        |            |  |         |         |         |          |         | 31       |          |

|     |       |      |  |  |      |       |     |     |   |      |      |       |     |      |  |  |       |      |       |     |      |      |
|-----|-------|------|--|--|------|-------|-----|-----|---|------|------|-------|-----|------|--|--|-------|------|-------|-----|------|------|
|     |       |      |  |  |      |       |     |     |   | 8.28 | 1.24 | 16.56 | 587 | 3925 |  |  |       |      |       |     |      |      |
| AVG | 0.968 |      |  |  |      | 0.968 |     |     | 2 | 1.00 | 0.14 | 2.00  | 71  | 474  |  |  |       |      |       |     |      |      |
| MIN | 0.883 | 2.42 |  |  |      | 0.708 | 7.1 | 7.2 | 2 | 1.0  | 0.1  | 2.0   | 66  | 424  |  |  | 7.38  | 0.74 | 14.76 | 510 | 3366 | 0.00 |
| MAX | 1.232 | 3.82 |  |  | 0.05 | 1.363 |     | 7.9 | 2 | 1.0  | 0.5  | 2.0   | 73  | 504  |  |  | 10.27 | 4.59 | 20.55 | 719 | 4932 | 2.50 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><4,167 GPM: |
| 1,833                            |

Reading 6/1/2020 542336

Reading 7/1/2020 571376

# of days 30

Daily Average Flow= 0.968

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/20 | 0.827 | 04/20 | 0.901 | 07/19 | 0.753 | 10/19 | 0.792 |
|                             | 02/20 | 0.807 | 05/20 | 0.932 | 08/19 | 0.796 | 11/19 | 0.801 |
|                             | 03/20 | 0.853 | 06/20 | 0.968 | 09/19 | 0.835 | 12/19 | 0.795 |

Annual Average Flow: 0.838

Reading 7/1/2019 263704

Reading 7/1/2020 571376

Total:

Annual Average Flow: 0.843 MGD

Capacity: 65%

Total 9.2



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

July 2020

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         | Composite Samples |       |      |          |        |            | TSS     | NH3-N   | CBOD    | Chloride | TDS     | Rainfall |        |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|-------------------|-------|------|----------|--------|------------|---------|---------|---------|----------|---------|----------|--------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS    | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |          |        |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.500      | mg/L         | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l   | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |          | Inches |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | Report | NA         | 188     | 38      | 125     | Report   | Report  | Day      |        |
| 1         | 0.949   | 3.10          | 3.81    | 2.92    |         | 0.01     | 0.927      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 1        | 0      |
| 2         | 0.954   | 3.71          | 3.73    | 3.30    |         | 0.03     | 0.894      | 7.8          | 7.5       |         | 1.0               | 0.1   | 2.0  | 64       | 476    | 290        | 7.96    | 0.80    | 15.91   | 509      | 3787    | 2        | 0      |
| 3         | 0.917   | 3.52          | 3.80    | 3.52    |         | 0.02     | 0.971      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 3        | 0      |
| 4         | 0.968   | 3.41          | 3.71    | 3.32    |         | 0.02     | 0.918      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 4        | 0      |
| 5         | 0.914   | 3.49          | 3.72    | 3.41    |         | 0.03     | 1.013      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 5        | 0      |
| 6         | 0.945   | 3.50          | 3.30    | 2.89    |         | 0.01     | 0.906      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 6        | 0      |
| 7         | 0.931   | 3.21          | 3.71    | 3.52    |         | 0.02     | 0.991      | 8.8          | 7.6       | 2       | 1.0               | 0.1   | 2.0  | 67       | 524    | 284        | 7.76    | 0.78    | 15.53   | 520      | 4069    | 7        | 0      |
| 8         | 0.975   | 3.83          | 3.77    | 3.00    |         | 0.01     | 1.302      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 8        | 0      |
| 9         | 0.971   | 3.92          | 3.98    | 3.98    |         | 0.05     | 0.773      | 8.1          | 7.4       |         | 1.0               | 0.1   | 2.0  | 66       | 468    | 302        | 8.10    | 0.81    | 16.20   | 534      | 3790    | 9        | 0      |
| 10        | 0.995   | 3.87          | 3.74    | 3.79    |         | 0.06     | 1.106      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 10       | 0      |
| 11        | 0.930   | 3.54          | 3.52    | 3.61    |         | 0.01     | 0.950      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 11       | 0      |
| 12        | 0.978   | 3.54          | 3.52    | 3.51    |         | 0.01     | 0.806      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 12       | 0      |
| 13        | 0.994   | 3.70          | 3.71    | 3.10    |         | 0.02     | 0.513      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 13       | 0      |
| 14        | 0.639   | 3.32          | 3.82    | 2.92    |         | 0.03     | 1.004      | 7.8          | 7.4       | 2       | 1.0               | 0.1   | 2.0  | 71       | 496    | 304        | 5.33    | 0.53    | 10.66   | 378      | 2643    | 14       | 0      |
| 15        | 0.957   | 3.75          | 3.91    | 3.11    | 2.83    | 0.01     | 1.111      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 15       | 0      |
| 16        | 0.955   | 3.70          | 3.69    | 2.95    | 3.79    | 0.01     | 0.715      | 7.8          | 7.8       |         | 1.4               | 0.1   | 2.0  | 66       | 464    | 292        | 11.15   | 0.80    | 15.93   | 526      | 3696    | 16       | 0      |
| 17        | 0.919   | 3.52          | 3.80    | 3.80    | 2.31    | 0.04     | 0.950      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 17       | 0      |
| 18        | 0.919   | 3.80          | 3.73    | 3.52    | 1.95    | 0.02     | 0.939      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 18       | 0      |
| 19        | 0.931   | 3.72          | 3.55    | 3.70    | 2.23    | 0.01     | 0.974      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 19       | 0      |
| 20        | 0.967   | 3.11          | 3.12    | 3.82    | 2.39    | 0.02     | 0.954      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 20       | 0      |
| 21        | 0.954   | 3.68          | 3.80    | 3.59    | 2.71    | 0.01     | 0.963      | 8.2          | 7.4       | 2       | 1.0               | 0.1   | 2.0  | 70       | 452    | 290        | 7.96    | 0.80    | 15.91   | 557      | 3596    | 21       | 0      |
| 22        | 0.971   | 3.85          | 3.22    | 3.80    | 3.30    | 0.03     | 0.935      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 22       | 0      |
| 23        | 0.919   | 3.79          | 3.74    | 3.41    | 3.72    | 0.01     | 0.957      | 7.2          | 7.7       |         | 1.0               | 0.1   | 2.0  | 70       | 460    | 296        | 7.66    | 0.77    | 15.33   | 537      | 3526    | 23       | 0.5    |
| 24        | 0.874   | 3.61          | 3.75    | 3.79    | 3.31    | 0.03     | 0.902      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 24       | 0      |
| 25        | 0.984   | 3.70          | 3.62    | 3.61    | 3.79    | 0.02     | 0.979      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 25       | 0      |
| 26        | 0.976   | 3.69          | 3.81    | 3.70    | 3.62    | 0.01     | 1.187      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 26       | 0.7    |
| 27        | 1.211   | 3.82          | 3.20    | 3.30    | 3.01    | 0.04     | 0.988      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 27       | 2      |
| 28        | 0.977   | 3.79          | 3.72    | 3.42    | 3.20    | 0.01     | 0.971      | 7.7          | 7.4       | 2       | 1.0               | 0.1   | 2.5  | 75       | 484    | 300        | 8.15    | 0.81    | 20.37   | 611      | 3944    | 28       | 0      |
| 29        | 0.960   | 3.42          | 3.80    | 3.11    | 2.92    | 0.02     | 0.934      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 29       | 0      |
| 30        | 0.937   | 3.70          | 3.71    | 3.20    | 3.01    | 0.01     | 0.911      | 7.5          | 7.8       |         | 1.0               | 0.2   | 2.0  | 73       | 472    | 282        | 7.81    | 1.56    | 15.63   | 570      | 3688    | 30       | 0      |
| 31        | 0.828   | 3.22          | 3.42    | 3.41    | 2.87    | 0.02     | 1.299      |              |           |         |                   |       |      |          |        |            |         |         |         |          |         | 31       | 0      |

|     |       |      |  |  |  |      |       |     |     |   |      |      |       |     |      |  |       |      |       |     |      |  |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|---|------|------|-------|-----|------|--|-------|------|-------|-----|------|--|------|
|     |       |      |  |  |  |      |       |     |     |   | 7.99 | 0.85 | 15.72 | 527 | 3638 |  |       |      |       |     |      |  |      |
| AVG | 0.959 |      |  |  |  |      | 0.959 |     |     | 2 | 1.04 | 0.11 | 2.06  | 69  | 477  |  |       |      |       |     |      |  |      |
| MIN | 0.639 | 1.95 |  |  |  |      | 0.513 | 7.2 | 7.4 | 2 | 1.0  | 0.1  | 2.0   | 64  | 452  |  | 5.33  | 0.53 | 10.66 | 378 | 2643 |  | 0.00 |
| MAX | 1.211 | 3.98 |  |  |  | 0.06 | 1.302 |     | 7.8 | 2 | 1.4  | 0.2  | 2.5   | 75  | 524  |  | 11.15 | 1.56 | 20.37 | 611 | 4069 |  | 2.00 |

|                                     |
|-------------------------------------|
| 2-Hour Peak<br>Flow, <4,167<br>GPM: |
| 2,833                               |

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/20 | 0.827 | 04/20 | 0.901 | 07/20 | 0.959 | 10/19 | 0.792 |
| Average              | 02/20 | 0.807 | 05/20 | 0.932 | 08/19 | 0.796 | 11/19 | 0.801 |
| Flows                | 03/20 | 0.853 | 06/20 | 0.968 | 09/19 | 0.835 | 12/19 | 0.795 |
| Annual Average Flow: |       |       |       |       |       |       | 0.856 |       |

Total 3.2

Reading 7/1/2020 571376  
Reading 8/1/2020 601119  
# of days 31  
Daily Average Flow= 0.959452 MGD

Reading 8/1/2019 287999  
Reading 8/1/2020 601119  
Total:  
Annual Average Flow: 0.858 MGD  
Capacity: 64%

Plant 4 placed online July 13, 2020.

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

August 2020

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         |      | Composite Samples |      |          |        |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|------|-------------------|------|----------|--------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS  | NH3-N             | CBOD | Chloride | TDS    | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l | mg/l              | mg/l | mg/l     | mg/l   | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15   | 3                 | 10   | Report   | Report | NA         | 188     | 38      | 125     | Report   | Report  | Day |          |
| 1         | 0.945   | 3.22          | 3.22    | 3.51    | 2.89    | 0.01     | 0.923      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 1   | 0.4      |
| 2         | 0.932   | 3.33          | 3.41    | 3.32    | 2.90    | 0.01     | 0.602      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 2   | 0        |
| 3         | 0.956   | 3.71          | 3.70    | 3.12    | 3.11    | 0.03     | 0.937      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 3   | 0        |
| 4         | 0.927   | 3.42          | 3.51    | 2.90    | 3.48    | 0.02     | 0.953      | 7.8          | 7.4       | 2       | 1.0  | 0.1               | 2.0  | 76       | 492    | 300        | 7.73    | 0.77    | 15.46   | 588      | 3804    | 4   | 0        |
| 5         | 0.957   | 3.82          | 3.71    | 3.01    | 3.11    | 0.01     | 0.916      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 5   | 0        |
| 6         | 0.972   | 3.85          | 3.79    | 3.12    | 3.30    | 0.02     | 0.967      | 7.7          | 7.8       |         | 1.0  | 0.1               | 2.0  | 76       | 496    | 312        | 8.11    | 0.81    | 16.21   | 616      | 4021    | 6   | 0        |
| 7         | 0.882   | 3.70          | 3.21    | 3.40    | 3.42    | 0.04     | 0.799      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 7   | 0        |
| 8         | 0.911   | 3.90          | 3.52    | 3.74    | 3.50    | 0.02     | 1.138      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 8   | 0        |
| 9         | 0.902   | 3.52          | 3.75    | 3.52    | 3.32    | 0.01     | 0.715      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 9   | 0        |
| 10        | 0.933   | 3.81          | 3.78    | 3.11    | 3.72    | 0.04     | 0.891      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 10  | 0        |
| 11        | 0.889   | 3.12          | 3.21    | 3.50    | 3.65    | 0.05     | 0.916      | 7.6          | 7.3       | 2       | 1.0  | 0.1               | 2.0  | 76       | 524    | 294        | 7.41    | 0.74    | 14.83   | 563      | 3885    | 11  | 0        |
| 12        | 0.919   | 3.72          | 3.44    | 3.12    | 2.91    | 0.06     | 0.923      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 12  | 0        |
| 13        | 0.915   | 3.52          | 3.52    | 2.91    | 3.40    | 0.05     | 0.869      | 7.8          | 7.8       |         | 1.0  | 0.1               | 2.0  | 75       | 480    | 260        | 7.63    | 0.76    | 15.26   | 572      | 3663    | 13  | 0        |
| 14        | 0.885   | 3.62          | 3.21    | 3.30    | 3.02    | 0.01     | 0.928      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 14  | 0        |
| 15        | 0.886   | 3.31          | 3.41    | 3.12    | 3.21    | 0.02     | 0.881      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 15  | 0        |
| 16        | 0.741   | 3.42          | 3.33    | 3.31    | 3.12    | 0.02     | 1.084      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 16  | 0        |
| 17        | 0.956   | 3.72          | 3.54    | 3.70    | 3.40    | 0.03     | 0.887      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 17  | 0.5      |
| 18        | 1.038   | 3.33          | 3.21    | 3.41    | 2.91    | 0.04     | 1.113      | 7.6          | 7.3       | 2       | 1.0  | 0.1               | 2.0  | 70       | 496    | 316        | 8.66    | 0.87    | 17.31   | 606      | 4294    | 18  | 0        |
| 19        | 0.974   | 3.62          | 3.53    | 3.52    | 3.24    | 0.05     | 0.841      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 19  | 0        |
| 20        | 0.987   | 3.40          | 3.81    | 3.31    | 3.62    | 0.01     | 0.829      | 7.8          | 7.9       |         | 1.0  | 0.1               | 2.0  | 74       | 548    | 290        | 8.23    | 0.82    | 16.46   | 609      | 4511    | 20  | 0        |
| 21        | 0.832   | 3.80          | 3.44    | 3.42    | 3.50    | 0.06     | 1.208      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 21  | 0        |
| 22        | 0.861   | 3.32          | 3.33    | 3.32    | 3.33    | 0.01     | 0.816      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 22  | 0        |
| 23        | 0.879   | 3.31          | 3.34    | 3.32    | 3.31    | 0.01     | 0.591      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 23  | 0        |
| 24        | 0.880   | 3.70          | 3.81    | 3.70    | 2.91    | 0.03     | 0.867      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 24  | 0        |
| 25        | 0.866   | 3.42          | 3.60    | 3.81    | 3.23    | 0.01     | 0.897      | 7.9          | 7.3       | 2       | 1.0  | 0.1               | 2.0  | 74       | 444    | 274        | 7.22    | 0.72    | 14.44   | 534      | 3207    | 25  | 0        |
| 26        | 0.879   | 3.80          | 3.21    | 3.12    | 3.72    | 0.04     | 1.050      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 26  | 0        |
| 27        | 0.978   | 3.63          | 3.72    | 3.10    | 3.21    | 0.03     | 0.803      | 8.1          | 7.7       |         | 1.0  | 0.1               | 2.0  | 75       | 428    | 328        | 8.16    | 0.82    | 16.31   | 612      | 3491    | 27  | 0        |
| 28        | 0.882   | 3.31          | 3.22    | 3.10    | 3.44    | 0.01     | 0.922      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 28  | 0        |
| 29        | 0.882   | 3.80          | 3.70    | 3.52    | 3.75    | 0.02     | 1.247      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 29  | 1        |
| 30        | 0.910   | 3.73          | 3.52    | 3.34    | 3.32    | 0.01     | 0.615      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 30  | 0        |
| 31        | 0.925   | 3.41          | 3.82    | 3.21    | 3.82    | 0.02     | 0.914      |              |           |         |      |                   |      |          |        |            |         |         |         |          |         | 31  | 0        |

|     |       |      |  |  |  |      |       |     |     |   |      |      |       |     |      |  |      |      |       |     |      |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|---|------|------|-------|-----|------|--|------|------|-------|-----|------|------|
|     |       |      |  |  |  |      |       |     |     |   | 7.89 | 0.79 | 15.79 | 588 | 3859 |  |      |      |       |     |      |      |
| AVG | 0.905 |      |  |  |  |      | 0.905 |     |     | 2 | 1.00 | 0.10 | 2.00  | 75  | 489  |  |      |      |       |     |      |      |
| MIN | 0.741 | 2.89 |  |  |  |      | 0.591 | 7.6 | 7.3 | 2 | 1.0  | 0.1  | 2.0   | 70  | 428  |  | 7.22 | 0.72 | 14.44 | 534 | 3207 | 0.00 |
| MAX | 1.038 | 3.90 |  |  |  | 0.06 | 1.247 |     | 7.9 | 2 | 1.0  | 0.1  | 2.0   | 76  | 548  |  | 8.66 | 0.87 | 17.31 | 616 | 4511 | 1.00 |

2-Hour Peak Flow,  
<4,167 GPM:

1,611

Reading 8/1/2020 601119

Reading 9/1/2020 629161

# of days 31

Daily Average Flow= 0.90458

Monthly

01/20 0.827

04/20 0.901

07/20 0.959

10/19 0.792

Average

02/20 0.807

05/20 0.932

08/20 0.905

11/19 0.801

Flows

03/20 0.853

06/20 0.968

09/19 0.835

12/19 0.795

Annual Average Flow: 0.865

Reading 9/1/2019 312661

Reading 9/1/2020 629161

Total:

Annual Average Flow: 0.867 MGD

Capacity: 0%

Total 1.9

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

September 2020

| TX0124907 |         | Grab Samples  |         |         |         |          |            |      | Grab Samples |         | Composite Samples |       |      |          |        |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|------------|------|--------------|---------|-------------------|-------|------|----------|--------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO   | pH           | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS    | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | >1.0          |         |         |         | <0.1     | 1.800      | mg/L | S.U.         | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l   | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0  | 6.5 - 9.0    | 63      | 15                | 3     | 10   | Report   | Report | NA         | 225     | 45      | 150     | Report   | Report  | Day |          |
| 1         | 0.879   | 3.21          | 3.71    | 3.02    | 3.41    | 0.01     | 1.027      | 7.6  | 7.3          | 2       | 1.0               | 0.1   | 2.0  | 74       | 540    | 294        | 7.33    | 0.73    | 14.66   | 542      | 3959    | 1   | 0        |
| 2         | 0.947   | 3.81          | 3.40    | 3.52    | 3.50    | 0.03     | 0.832      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 2   | 0        |
| 3         | 0.939   | 3.41          | 3.62    | 3.11    | 2.87    | 0.05     | 0.877      | 7.4  | 7.8          |         | 1.0               | 0.1   | 2.0  | 74       | 450    | 294        | 7.83    | 0.78    | 15.66   | 580      | 3524    | 3   | 0        |
| 4         | 0.882   | 3.62          | 3.71    | 3.12    | 3.21    | 0.01     | 0.919      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 4   | 0        |
| 5         | 0.930   | 3.51          | 3.42    | 3.31    | 3.09    | 0.02     | 0.874      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 5   | 1        |
| 6         | 0.881   | 3.32          | 3.51    | 3.22    | 3.21    | 0.02     | 0.864      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 6   | 0.1      |
| 7         | 0.872   | 3.41          | 3.21    | 3.00    | 2.90    | 0.03     | 0.971      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 7   | 0        |
| 8         | 0.949   | 3.70          | 3.82    | 3.51    | 3.41    | 0.01     | 1.082      | 7.6  | 7.8          | 2       | 1.0               | 0.1   | 2.0  | 73       | 524    | 286        | 7.91    | 0.79    | 15.83   | 578      | 4147    | 8   | 0        |
| 9         | 0.923   | 3.84          | 3.80    | 3.11    | 3.50    | 0.02     | 1.067      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 9   | 0        |
| 10        | 1.039   | 3.81          | 3.72    | 3.42    | 3.31    | 0.05     | 0.721      | 8.0  | 7.6          |         | 1.0               | 0.1   | 2.0  | 70       | 556    | 296        | 8.67    | 0.87    | 17.33   | 607      | 4818    | 10  | 0.5      |
| 11        | 0.927   | 3.72          | 3.61    | 3.10    | 3.11    | 0.04     | 1.271      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 11  | 0        |
| 12        | 0.928   | 3.52          | 3.53    | 3.21    | 3.11    | 0.01     | 0.859      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 12  | 0        |
| 13        | 0.906   | 3.53          | 3.53    | 3.51    | 3.53    | 0.01     | 0.687      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 13  | 0        |
| 14        | 0.967   | 2.88          | 3.40    | 3.40    | 3.41    | 0.05     | 0.928      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 14  | 0        |
| 15        | 0.913   | 3.41          | 3.71    | 3.82    | 3.12    | 0.02     | 0.933      | 7.8  | 7.6          | 2       | 2.0               | 0.1   | 2.0  | 70       | 472    | 302        | 15.23   | 0.76    | 15.23   | 533      | 3594    | 15  | 0        |
| 16        | 0.939   | 3.19          | 3.52    | 3.72    | 3.41    | 0.04     | 0.885      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 16  | 0        |
| 17        | 0.912   | 3.71          | 3.34    | 3.05    | 3.70    | 0.01     | 1.087      | 7.3  | 7.6          |         | 1.0               | 0.1   | 2.0  | 69       | 424    | 294        | 7.61    | 0.76    | 15.21   | 525      | 3225    | 17  | 0.1      |
| 18        | 0.908   | 3.20          | 3.70    | 3.70    | 3.23    | 0.03     | 0.662      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 18  | 0        |
| 19        | 0.908   | 2.92          | 3.83    | 3.90    | 3.72    | 0.02     | 0.849      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 19  | 0        |
| 20        | 0.859   | 3.10          | 3.92    | 3.72    | 3.90    | 0.03     | 0.957      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 20  | 0        |
| 21        | 0.908   | 3.71          | 3.60    | 3.11    | 3.82    | 0.05     | 0.919      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 21  | 0.5      |
| 22        | 0.922   | 3.11          | 3.30    | 2.90    | 3.11    | 0.01     | 1.246      | 7.4  | 7.3          | 2       | 1.0               | 0.1   | 2.0  | 71       | 624    | 292        | 7.69    | 0.77    | 15.38   | 546      | 4798    | 22  | 1.5      |
| 23        | 1.137   | 3.70          | 3.81    | 3.11    | 3.40    | 0.02     | 0.932      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 23  | 2.5      |
| 24        | 1.072   | 3.41          | 3.65    | 3.42    | 3.14    | 0.03     | 1.109      | 7.7  | 7.8          |         | 1.0               | 0.1   | 2.0  | 73       | 392    | 288        | 8.94    | 0.89    | 17.88   | 653      | 3505    | 24  | 0        |
| 25        | 0.935   | 3.71          | 3.70    | 3.29    | 3.32    | 0.02     | 0.766      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 25  | 0        |
| 26        | 0.902   | 3.19          | 3.52    | 3.00    | 3.41    | 0.03     | 0.909      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 26  | 0        |
| 27        | 0.910   | 3.40          | 3.61    | 3.39    | 3.23    | 0.01     | 0.983      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 27  | 0        |
| 28        | 0.973   | 3.81          | 3.84    | 3.31    | 3.32    | 0.05     | 1.047      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 28  | 0.25     |
| 29        | 1.043   | 3.42          | 3.41    | 3.10    | 3.01    | 0.04     | 0.952      | 9.3  | 7.5          | 2       | 1.0               | 0.1   | 2.0  | 72       | 460    | 282        | 8.70    | 0.87    | 17.40   | 626      | 4001    | 29  | 0        |
| 30        | 1.002   | 3.15          | 3.69    | 3.51    | 3.40    | 0.03     | 0.862      |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 30  | 0        |
| 31        | 0.863   |               |         |         |         |          |            |      |              |         |                   |       |      |          |        |            |         |         |         |          |         | 31  |          |

|     |       |      |  |  |  |      |       |     |     |   |      |      |       |     |      |  |       |      |       |     |      |  |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|---|------|------|-------|-----|------|--|-------|------|-------|-----|------|--|------|
|     |       |      |  |  |  |      |       |     |     |   | 8.88 | 0.80 | 16.06 | 577 | 3952 |  |       |      |       |     |      |  |      |
| AVG | 0.936 |      |  |  |  |      | 0.936 |     |     | 2 | 1.11 | 0.10 | 2.00  | 72  | 494  |  |       |      |       |     |      |  |      |
| MIN | 0.859 | 2.87 |  |  |  |      | 0.662 | 7.3 | 7.3 | 2 | 1.0  | 0.1  | 2.0   | 69  | 392  |  | 7.33  | 0.73 | 14.66 | 525 | 3225 |  | 0.00 |
| MAX | 1.137 | 3.92 |  |  |  | 0.05 | 1.271 |     | 7.8 | 2 | 2.0  | 0.1  | 2.0   | 74  | 624  |  | 15.23 | 0.89 | 17.88 | 653 | 4818 |  | 2.50 |

2-Hour Peak Flow,  
<4,167 GPM:

1,667

Reading 9/1/2020 629161

Reading 10/1/2020 657238

# of days 30

Daily Average Flow= 0.936

|                      |       |           |       |           |       |       |       |       |
|----------------------|-------|-----------|-------|-----------|-------|-------|-------|-------|
| Monthly              | 01/20 | 0.827     | 04/20 | 0.901     | 07/20 | 0.959 | 10/19 | 0.792 |
| Average              | 02/20 | 0.807     | 05/20 | 0.932     | 08/20 | 0.905 | 11/19 | 0.801 |
| Flows                | 03/20 | 0.853     | 06/20 | 0.968     | 09/20 | 0.936 | 12/19 | 0.795 |
| Annual Average Flow: |       |           |       |           |       |       | 0.873 |       |
| Reading              |       | 10/1/2019 |       | 337703    |       |       |       |       |
| Reading              |       | 10/1/2020 |       | 657238    |       |       |       |       |
| Annual Average Flow: |       |           |       | 0.875 MGD |       |       |       |       |
| Capacity:            |       |           |       | 62%       |       |       |       |       |

Total 6.45



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

October 2020

| TX0124907 |         | Grab Samples  |         |         |         |          | Grab Samples |      |           |         | Composite Samples |       |      |          |        |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|--------------|------|-----------|---------|-------------------|-------|------|----------|--------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD     | DO   | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS    | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | >1.0          |         |         |         | <0.1     | 1.800        | mg/L | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l   | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow   | 4.0  | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | Report | NA         | 225     | 45      | 150     | Report   | Report  | Day |          |
| 1         | 0.863   | 3.81          | 3.80    | 3.70    | 3.12    | 0.06     | 0.918        | 7.2  | 7.9       |         | 1.0               | 0.1   | 2.0  | 72       | 400    | 288        | 7.20    | 0.72    | 14.39   | 518      | 2879    | 1   | 0        |
| 2         | 0.829   | 3.32          | 3.62    | 3.15    | 3.68    | 0.01     | 0.971        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 2   | 0        |
| 3         | 0.790   | 3.33          | 3.41    | 3.32    | 3.16    | 0.01     | 0.775        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 3   | 0        |
| 4         | 0.807   | 3.44          | 3.33    | 3.34    | 3.05    | 0.01     | 0.890        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 4   | 0        |
| 5         | 0.871   | 3.21          | 3.52    | 3.23    | 3.24    | 0.01     | 0.604        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 5   | 0        |
| 6         | 0.863   | 3.01          | 3.70    | 3.50    | 3.40    | 0.03     | 0.859        | 10.2 | 7.3       | 2       | 1.0               | 0.1   | 2.0  | 70       | 456    | 296        | 7.20    | 0.72    | 14.39   | 504      | 3282    | 6   | 0        |
| 7         | 0.830   | 3.70          | 3.32    | 3.72    | 3.05    | 0.05     | 0.894        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 7   | 0        |
| 8         | 0.885   | 3.43          | 3.51    | 3.39    | 3.20    | 0.01     | 0.842        | 7.4  | 8.0       |         | 1.0               | 0.1   | 2.0  | 77       | 464    | 290        | 7.38    | 0.74    | 14.76   | 568      | 3425    | 8   | 0        |
| 9         | 0.866   | 3.72          | 3.40    | 3.81    | 3.71    | 0.02     | 0.861        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 9   | 0        |
| 10        | 0.888   | 3.50          | 3.12    | 3.90    | 3.62    | 0.02     | 0.774        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 10  | 0        |
| 11        | 0.724   | 3.14          | 2.93    | 3.82    | 3.40    | 0.01     | 0.935        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 11  | 0        |
| 12        | 0.906   | 3.61          | 3.52    | 3.42    | 3.21    | 0.05     | 1.091        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 12  | 0        |
| 13        | 0.890   | 3.10          | 3.41    | 3.71    | 3.72    | 0.02     | 0.682        | 8.2  | 7.4       | 2       | 1.0               | 0.2   | 2.0  | 71       | 492    | 288        | 7.42    | 1.48    | 14.85   | 527      | 3652    | 13  | 0        |
| 14        | 0.884   | 3.51          | 3.82    | 3.43    | 3.41    | 0.06     | 0.884        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 14  | 0        |
| 15        | 0.844   | 3.65          | 3.73    | 3.75    | 3.46    | 0.01     | 1.106        | 8.8  | 7.7       |         | 1.0               | 0.1   | 2.0  | 69       | 468    | 300        | 7.04    | 0.70    | 14.08   | 486      | 3294    | 15  | 0        |
| 16        | 0.897   | 3.42          | 3.31    | 3.61    | 3.81    | 0.03     | 0.636        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 16  | 2        |
| 17        | 0.921   | 3.21          | 3.42    | 3.54    | 3.59    | 0.02     | 0.813        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 17  | 0        |
| 18        | 0.806   | 3.29          | 3.51    | 3.42    | 3.51    | 0.02     | 0.950        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 18  | 0        |
| 19        | 0.907   | 3.47          | 3.32    | 3.30    | 2.95    | 0.04     | 0.964        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 19  | 0        |
| 20        | 0.952   | 3.82          | 3.44    | 3.69    | 3.31    | 0.02     | 0.953        | 7.8  | 7.3       | 2       | 1.0               | 0.1   | 2.0  | 70       | 456    | 288        | 7.94    | 0.79    | 15.88   | 556      | 3620    | 20  | 0.25     |
| 21        | 0.974   | 3.41          | 3.11    | 3.41    | 3.72    | 0.01     | 0.892        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 21  | 0        |
| 22        | 0.955   | 3.22          | 3.20    | 3.80    | 3.41    | 0.02     | 1.061        | 7.5  | 7.1       |         | 1.0               | 0.1   | 2.0  | 69       | 396    | 290        | 7.96    | 0.80    | 15.93   | 550      | 3154    | 22  | 0        |
| 23        | 0.946   | 3.78          | 3.71    | 3.71    | 3.72    | 0.04     | 1.146        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 23  | 0        |
| 24        | 0.767   | 3.42          | 3.33    | 3.52    | 3.53    | 0.01     | 0.792        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 24  | 0.4      |
| 25        | 0.750   | 3.51          | 3.51    | 3.71    | 3.62    | 0.01     | 0.560        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 25  | 0        |
| 26        | 0.873   | 3.84          | 3.85    | 3.12    | 3.41    | 0.02     | 0.904        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 26  | 0        |
| 27        | 0.863   | 3.61          | 3.31    | 3.31    | 3.50    | 0.02     | 0.836        | 8.7  | 7.5       | 2       | 1.5               | 0.1   | 2.0  | 69       | 432    | 278        | 10.80   | 0.72    | 14.39   | 497      | 3109    | 27  | 0        |
| 28        | 0.853   | 3.90          | 3.78    | 3.62    | 3.09    | 0.05     | 0.821        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 28  | 0.25     |
| 29        | 0.849   | 3.82          | 3.70    | 3.11    | 3.30    | 0.04     | 0.860        | 9.2  | 8.0       |         | 1.0               | 0.1   | 2.0  | 73       | 420    | 282        | 7.08    | 0.71    | 14.16   | 517      | 2974    | 29  | 0        |
| 30        | 0.865   | 3.72          | 3.35    | 3.40    | 3.01    | 0.01     | 1.009        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 30  | 0        |
| 31        | 0.825   | 3.50          | 3.72    | 3.52    | 3.34    | 0.02     | 0.631        |      |           |         |                   |       |      |          |        |            |         |         |         |          |         | 31  | 0        |

|     |       |      |  |  |  |      |       |     |     |   |      |      |       |     |      |  |       |      |       |     |      |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|---|------|------|-------|-----|------|--|-------|------|-------|-----|------|------|
|     |       |      |  |  |  |      |       |     |     |   | 7.78 | 0.82 | 14.76 | 525 | 3266 |  |       |      |       |     |      |      |
| AVG | 0.868 |      |  |  |  |      | 0.868 |     |     | 2 | 1.06 | 0.11 | 2.00  | 71  | 443  |  |       |      |       |     |      |      |
| MIN | 0.724 | 2.93 |  |  |  |      | 0.560 | 7.2 | 7.1 | 2 | 1.0  | 0.1  | 2.0   | 69  | 396  |  | 7.04  | 0.70 | 14.08 | 486 | 2879 | 0.00 |
| MAX | 0.974 | 3.90 |  |  |  | 0.06 | 1.146 |     | 8.0 | 2 | 1.5  | 0.2  | 2.0   | 77  | 492  |  | 10.80 | 1.48 | 15.93 | 568 | 3652 | 2.00 |

2-Hour Peak Flow,  
<4,167 GPM:  
  
1,333

Reading 10/1/2020 657238  
Reading 11/1/2020 684152  
Reading  
# of days 31  
Daily Average Flow= 0.868

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/20 | 0.827 | 04/20 | 0.901 | 07/20 | 0.959 | 10/20 | 0.868 |
| Average              | 02/20 | 0.807 | 05/20 | 0.932 | 08/20 | 0.905 | 11/19 | 0.801 |
| Flows                | 03/20 | 0.853 | 06/20 | 0.968 | 09/20 | 0.936 | 12/19 | 0.795 |
| Annual Average Flow: |       |       |       |       |       |       | 0.879 |       |

Reading 11/1/2019 362263  
Reading 11/1/2020 684152  
Total  
Annual Average Flow: 0.882 MGD  
Capacity: 0%

Total 2.9

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

November 2020

| TX0124907 |         | Grab Samples  |         |         |         |          | Grab Samples |      |           | Composite Samples |      |       |      |          |        |            |         |         |         |          |         |          |        |
|-----------|---------|---------------|---------|---------|---------|----------|--------------|------|-----------|-------------------|------|-------|------|----------|--------|------------|---------|---------|---------|----------|---------|----------|--------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD     | DO   | pH        | E. coli           | TSS  | NH3-N | CBOD | Chloride | TDS    | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     | Rainfall |        |
|           | Flow    | >1.0          |         |         |         | <0.1     | 1.800        | mg/L | S.U.      | CFU/ml            | mg/l | mg/l  | mg/l | mg/l     | mg/l   | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |          | Inches |
| Permit    | MGD     | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow   | 4.0  | 6.5 - 9.0 | 63                | 15   | 3     | 10   | Report   | Report | NA         | 225     | 45      | 150     | Report   | Report  | Day      |        |
| 1         | 0.825   | 3.90          | 3.80    | 3.40    | 3.22    | 0.01     | 0.916        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 1        | 0      |
| 2         | 0.855   | 3.81          | 3.71    | 3.11    | 3.51    | 0.02     | 0.842        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 2        | 0      |
| 3         | 0.859   | 3.82          | 3.61    | 3.68    | 3.40    | 0.06     | 0.885        | 8.2  | 7.5       | 2                 | 1.0  | 0.1   | 2.0  | 73       | 500    | 282        | 7.16    | 0.72    | 14.33   | 523      | 3582    | 3        | 0      |
| 4         | 0.850   | 3.71          | 3.52    | 3.32    | 3.32    | 0.09     | 0.811        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 4        | 0      |
| 5         | 0.829   | 3.42          | 3.19    | 3.51    | 3.11    | 0.02     | 0.828        | 8.8  | 7.6       |                   | 1.0  | 0.1   | 2.0  | 73       | 604    | 284        | 6.91    | 0.69    | 13.83   | 505      | 4176    | 5        | 0      |
| 6         | 0.821   | 3.82          | 3.51    | 3.20    | 3.52    | 0.01     | 0.823        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 6        | 0      |
| 7         | 0.851   | 3.61          | 3.60    | 3.42    | 3.31    | 0.02     | 0.844        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 7        | 0      |
| 8         | 0.845   | 3.72          | 3.41    | 3.30    | 3.50    | 0.02     | 0.926        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 8        | 0      |
| 9         | 0.880   | 3.81          | 3.72    | 3.54    | 3.36    | 0.06     | 0.922        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 9        | 0      |
| 10        | 0.898   | 3.62          | 3.79    | 3.36    | 3.72    | 0.04     | 1.047        | 8.8  | 7.3       | 2                 | 1.0  | 0.1   | 2.0  | 73       | 432    | 368        | 7.49    | 0.75    | 14.98   | 547      | 3235    | 10       | 0      |
| 11        | 0.945   | 3.90          | 3.62    | 3.71    | 3.10    | 0.01     | 0.873        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 11       | 0      |
| 12        | 0.950   | 3.81          | 3.76    | 3.41    | 3.71    | 0.03     | 0.881        | 8.7  | 7.9       |                   | 1.0  | 0.1   | 2.0  | 72       | 548    | 284        | 7.92    | 0.79    | 15.85   | 570      | 4342    | 12       | 0      |
| 13        | 0.888   | 3.81          | 3.72    | 3.70    | 3.12    | 0.01     | 1.140        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 13       | 0      |
| 14        | 0.876   | 3.52          | 3.41    | 3.42    | 3.13    | 0.01     | 0.894        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 14       | 0      |
| 15        | 0.889   | 3.53          | 3.40    | 3.41    | 3.21    | 0.01     | 0.555        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 15       | 0      |
| 16        | 0.887   | 3.81          | 3.82    | 3.10    | 3.51    | 0.02     | 0.889        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 16       | 0      |
| 17        | 0.790   | 3.72          | 3.79    | 3.72    | 3.33    | 0.05     | 1.076        | 8.8  | 7.6       | 2                 | 1.0  | 0.2   | 2.0  | 84       | 464    | 288        | 6.59    | 1.32    | 13.18   | 553      | 3057    | 17       | 0      |
| 18        | 0.916   | 3.10          | 3.41    | 3.83    | 3.39    | 0.02     | 0.705        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 18       | 0      |
| 19        | 0.847   | 3.82          | 3.70    | 3.30    | 3.71    | 0.03     | 0.747        | 9.6  | 7.8       |                   | 1.0  | 0.2   | 2.0  | 77       | 490    | 282        | 7.06    | 1.41    | 14.13   | 544      | 3461    | 19       | 0      |
| 20        | 0.848   | 3.40          | 3.67    | 3.21    | 3.40    | 0.04     | 0.845        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 20       | 0      |
| 21        | 0.848   | 3.83          | 2.92    | 3.62    | 3.14    | 0.02     | 0.842        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 21       | 0      |
| 22        | 0.845   | 3.64          | 3.50    | 3.40    | 3.70    | 0.03     | 0.864        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 22       | 0      |
| 23        | 0.838   | 3.44          | 3.44    | 3.22    | 3.35    | 0.05     | 0.829        | 8.2  | 7.7       | 2                 | 1.0  | 0.1   | 2.0  | 72       | 448    | 284        | 6.99    | 0.70    | 13.98   | 503      | 3131    | 23       | 0      |
| 24        | 0.826   | 3.52          | 3.62    | 3.51    | 3.79    | 0.05     | 0.928        | 8.2  | 7.3       |                   | 1.0  | 0.1   | 2.0  | 70       | 424    | 280        | 6.89    | 0.69    | 13.78   | 482      | 2921    | 24       | 0      |
| 25        | 0.910   | 3.43          | 3.71    | 3.70    | 3.72    | 0.02     | 0.868        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 25       | 0      |
| 26        | 0.898   | 3.74          | 3.52    | 3.82    | 3.10    | 0.01     | 0.920        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 26       | 0      |
| 27        | 0.898   | 3.52          | 3.74    | 3.70    | 3.53    | 0.02     | 0.918        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 27       | 0      |
| 28        | 0.895   | 3.42          | 3.63    | 3.71    | 3.60    | 0.02     | 1.279        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 28       | 0      |
| 29        | 0.949   | 3.51          | 3.42    | 3.82    | 3.51    | 0.02     | 0.644        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 29       | 0.9    |
| 30        | 0.942   | 3.80          | 3.71    | 3.60    | 3.12    | 0.05     | 0.915        |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 30       | 0      |
| 31        | 0.899   |               |         |         |         |          |              |      |           |                   |      |       |      |          |        |            |         |         |         |          |         | 31       |        |

|     |       |      |  |  |  |      |       |     |     |   |      |      |       |     |      |  |      |      |       |     |      |  |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|---|------|------|-------|-----|------|--|------|------|-------|-----|------|--|------|
|     |       |      |  |  |  |      |       |     |     |   | 7.13 | 0.88 | 14.26 | 528 | 3488 |  |      |      |       |     |      |  |      |
| AVG | 0.882 |      |  |  |  |      | 0.882 |     |     | 2 | 1.00 | 0.13 | 2.00  | 74  | 489  |  |      |      |       |     |      |  |      |
| MIN | 0.790 | 2.92 |  |  |  |      | 0.555 | 8.2 | 7.3 | 2 | 1.0  | 0.1  | 2.0   | 70  | 424  |  | 6.59 | 0.69 | 13.18 | 482 | 2921 |  | 0.00 |
| MAX | 0.950 | 3.90 |  |  |  | 0.09 | 1.279 |     | 7.9 | 2 | 1.0  | 0.2  | 2.0   | 84  | 604  |  | 7.92 | 1.41 | 15.85 | 570 | 4342 |  | 0.90 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><4,167 GPM: |
| 1,292                            |

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/20 | 0.827 | 04/20 | 0.901 | 07/20 | 0.959 | 10/20 | 0.868 |
| Average              | 02/20 | 0.807 | 05/20 | 0.932 | 08/20 | 0.905 | 11/20 | 0.882 |
| Flows                | 03/20 | 0.853 | 06/20 | 0.968 | 09/20 | 0.936 | 12/19 | 0.795 |
| Annual Average Flow: |       |       |       |       |       |       | 0.886 |       |

Total 0.9

Reading 11/1/2020 684152  
Reading 12/1/2020 710608  
# of days 30  
Daily Average Flow= 0.8819

Reading 12/1/2019 386289  
Reading 12/1/2020 710608  
Total  
Annual Average Flow: 0.889 MGD  
Capacity: 49%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

December 2020

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |      |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | Report   | NA   | 225        | 45      | 150     | Report  | Report   | Day     |      |          |  |
| 1         | 0.899   | 3.85          | 3.81    | 3.22    | 3.73    | 0.03  | 0.948      | 8.2      | 7.6          | 10   | 1.0     | 0.1               | 2.0   | 71     | 472      | 276  | 7.50       | 0.75    | 15.00   | 532     | 3539     | 1       | 0    |          |  |
| 2         | 0.917   | 3.70          | 3.52    | 3.31    | 3.44    | 0.01  | 1.031      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 2       | 1    |          |  |
| 3         | 1.014   | 3.79          | 3.40    | 3.71    | 3.31    | 0.02  | 0.862      | 8.3      | 7.9          |      | 1.0     | 0.2               | 2.0   | 71     | 436      | 282  | 8.46       | 1.69    | 16.91   | 600     | 3687     | 3       | 0.5  |          |  |
| 4         | 0.924   | 3.71          | 3.71    | 3.20    | 3.72    | 0.03  | 0.835      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 4       | 0    |          |  |
| 5         | 0.640   | 3.60          | 3.52    | 3.41    | 3.11    | 0.02  | 1.164      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0    |          |  |
| 6         | 0.859   | 3.60          | 3.52    | 3.41    | 3.02    | 0.02  | 0.619      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       | 0    |          |  |
| 7         | 0.889   | 3.01          | 3.57    | 3.50    | 3.72    | 0.03  | 0.900      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0    |          |  |
| 8         | 0.893   | 3.13          | 3.29    | 3.82    | 3.40    | 0.01  | 0.936      | 8.2      | 7.3          | 15   | 1.0     | 0.1               | 2.0   | 66     | 456      | 288  | 7.45       | 0.74    | 14.90   | 492     | 3396     | 8       | 0    |          |  |
| 9         | 0.881   | 3.32          | 3.70    | 3.41    | 3.52    | 0.02  | 0.808      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 9       | 0    |          |  |
| 10        | 0.859   | 3.11          | 3.41    | 3.60    | 3.30    | 0.04  | 0.872      | 7.1      | 7.4          |      | 1.0     | 0.1               | 2.0   | 69     | 432      | 290  | 7.16       | 0.72    | 14.33   | 494     | 3095     | 10      | 0    |          |  |
| 11        | 0.869   | 3.44          | 3.52    | 3.31    | 3.63    | 0.01  | 0.815      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 11      | 0    |          |  |
| 12        | 0.884   | 3.72          | 3.40    | 3.70    | 3.52    | 0.02  | 0.846      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0.5  |          |  |
| 13        | 0.866   | 3.50          | 3.13    | 3.52    | 3.70    | 0.01  | 0.933      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0    |          |  |
| 14        | 0.860   | 3.82          | 2.31    | 3.11    | 3.81    | 0.03  | 0.861      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      | 0.5  |          |  |
| 15        | 0.832   | 3.73          | 3.73    | 3.40    | 3.73    | 0.01  | 0.997      | 8.9      | 8.0          | 4    | 1.0     | 0.1               | 2.0   | 69     | 488      | 288  | 6.94       | 0.69    | 13.88   | 479     | 3386     | 15      | 0.25 |          |  |
| 16        | 0.869   | 3.81          | 3.40    | 3.62    | 3.40    | 0.02  | 0.719      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 16      | 0    |          |  |
| 17        | 0.869   | 3.64          | 3.71    | 3.20    | 3.65    | 0.01  | 0.966      | 8.8      | 7.8          |      | 1.0     | 0.1               | 2.0   | 68     | 424      | 296  | 7.25       | 0.72    | 14.49   | 493     | 3073     | 17      | 0    |          |  |
| 18        | 0.921   | 3.72          | 3.62    | 3.51    | 3.31    | 0.01  | 0.888      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      | 0    |          |  |
| 19        | 0.909   | 3.81          | 3.69    | 3.32    | 3.42    | 0.02  | 0.951      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 0    |          |  |
| 20        | 0.952   | 3.63          | 3.51    | 3.42    | 3.53    | 0.01  | 0.880      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      | 1.1  |          |  |
| 21        | 0.861   | 3.54          | 3.40    | 3.71    | 3.51    | 0.02  | 0.922      | 9.2      | 7.6          |      | 1.0     | 0.1               | 2.0   | 71     | 484      | 298  | 7.18       | 0.72    | 14.36   | 510     | 3475     | 21      | 0    |          |  |
| 22        | 0.861   | 3.72          | 3.82    | 3.50    | 3.70    | 0.03  | 0.984      | 8.2      | 7.6          | 2    | 1.0     | 0.1               | 2.0   | 69     | 460      | 312  | 7.18       | 0.72    | 14.36   | 495     | 3303     | 22      | 0    |          |  |
| 23        | 0.909   | 3.90          | 3.75    | 3.41    | 3.42    | 0.04  | 0.882      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 23      | 0    |          |  |
| 24        | 0.909   | 3.74          | 3.53    | 3.12    | 3.70    | 0.02  | 0.934      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 24      | 0.25 |          |  |
| 25        | 0.884   | 3.90          | 3.84    | 3.70    | 3.52    | 0.02  | 1.205      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 25      | 0    |          |  |
| 26        | 0.955   | 3.61          | 3.72    | 3.61    | 3.52    | 0.03  | 0.861      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      | 0    |          |  |
| 27        | 0.862   | 3.71          | 3.72    | 3.59    | 3.62    | 0.03  | 0.799      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      | 0    |          |  |
| 28        | 0.878   | 3.32          | 3.64    | 3.71    | 3.82    | 0.03  | 0.814      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 28      | 0    |          |  |
| 29        | 0.921   | 3.55          | 3.43    | 3.81    | 3.74    | 0.04  | 0.836      | 8.6      | 8.0          | 2    | 1.0     | 0.1               | 2.0   | 71     | 486      | 308  | 7.68       | 0.77    | 15.36   | 545     | 3733     | 29      | 0    |          |  |
| 30        | 0.978   | 3.38          | 3.67    | 3.85    | 3.67    | 0.02  | 1.070      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 30      | 0    |          |  |
| 31        | 0.978   | 3.48          | 3.77    | 3.49    | 3.54    | 0.05  | 1.006      | 7.9      | 7.9          |      | 1.6     | 3.2               | 2.0   | 160    | 688      | 302  | 13.05      | 26.10   | 16.31   | 1305    | 5612     | 31      | 1.2  |          |  |

|     |       |      |  |  |  |  |       |       |     |    |      |      |       |     |      |  |       |       |       |      |      |  |      |
|-----|-------|------|--|--|--|--|-------|-------|-----|----|------|------|-------|-----|------|--|-------|-------|-------|------|------|--|------|
|     |       |      |  |  |  |  |       |       |     |    | 7.98 | 3.36 | 14.99 | 595 | 3630 |  |       |       |       |      |      |  |      |
| AVG | 0.908 |      |  |  |  |  | 0.908 |       |     | 5  | 1.06 | 0.42 | 2.00  | 79  | 483  |  |       |       |       |      |      |  |      |
| MIN | 0.640 | 2.31 |  |  |  |  | 0.619 | 7.1   | 7.3 | 2  | 1.0  | 0.1  | 2.0   | 66  | 424  |  | 6.94  | 0.69  | 13.88 | 479  | 3073 |  | 0.00 |
| MAX | 1.014 | 3.90 |  |  |  |  | 0.05  | 1.205 | 8.0 | 15 | 1.6  | 3.2  | 2.0   | 160 | 688  |  | 13.05 | 26.10 | 16.91 | 1305 | 5612 |  | 1.20 |

2-Hour Peak Flow,  
<4,167 GPM:

1,500

Reading 12/1/2020 710608

Reading 1/1/2020 738752

# of days 31

Daily Average Flow= 0.9079

Monthly

01/20 0.827

04/20 0.901

07/20 0.959

10/20 0.868

Average

02/20 0.807

05/20 0.932

08/20 0.905

11/20 0.882

Flows

03/20 0.853

06/20 0.968

09/20 0.936

12/20 0.908

Annual Average Flow: 0.896

Reading 1/1/2020 410946

Reading 1/1/2020 738752

Total

Annual Average Flow: 0.898 MGD

Capacity: 0%

Total 5.3



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM I PHASE

January 2021

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         | Composite Samples |       |      |          |      |            | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|-------------------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 0.752   | 3.74          | 3.53    | 3.70    | 3.82    | 0.02     | 0.860      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 1   | 0.5      |
| 2         | 0.768   | 3.64          | 3.72    | 3.83    | 3.60    | 0.03     | 1.264      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 2   | 0        |
| 3         | 0.792   | 3.72          | 3.84    | 3.55    | 3.44    | 0.02     | 0.733      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 3   | 0        |
| 4         | 0.899   | 3.51          | 3.09    | 3.10    | 3.71    | 0.05     | 0.796      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 4   | 0        |
| 5         | 0.890   | 3.40          | 3.75    | 3.31    | 3.82    | 0.04     | 1.000      | 8.7          | 7.9       | 2       | 1.0               | 0.5   | 2.0  | 77       | 476  | 294        | 7.42    | 3.71    | 14.85   | 572      | 3533    | 5   | 0        |
| 6         | 0.925   | 3.81          | 3.72    | 3.42    | 3.58    | 0.01     | 0.908      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 6   | 0        |
| 7         | 1.000   | 3.72          | 3.80    | 3.10    | 3.30    | 0.03     | 0.866      | 8.4          | 8.0       |         | 1.0               | 0.1   | 2.0  | 70       | 428  | 306        | 8.34    | 0.83    | 16.68   | 584      | 3570    | 7   | 0.5      |
| 8         | 0.860   | 3.80          | 3.42    | 3.42    | 3.65    | 0.05     | 0.988      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 8   | 0        |
| 9         | 0.901   | 3.71          | 3.50    | 3.31    | 3.39    | 0.03     | 0.988      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 9   | 0        |
| 10        | 0.957   | 3.62          | 3.71    | 3.42    | 3.70    | 0.02     | 0.937      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 10  | 0.5      |
| 11        | 1.032   | 3.63          | 3.62    | 3.30    | 3.61    | 0.03     | 0.931      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 11  | 0.75     |
| 12        | 0.960   | 3.71          | 3.73    | 3.81    | 3.42    | 0.02     | 1.085      | 8.5          | 8.1       | 2       | 1.0               | 0.1   | 2.0  | 64       | 436  | 316        | 8.01    | 0.80    | 16.01   | 512      | 3491    | 12  | 0        |
| 13        | 0.921   | 3.86          | 3.12    | 3.41    | 3.33    | 0.04     | 0.723      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 13  | 0        |
| 14        | 0.889   | 1.69          | 3.61    | 3.80    | 3.71    | 0.05     | 0.964      | 8.0          | 7.8       |         | 1.0               | 0.1   | 2.0  | 69       | 532  | 294        | 7.41    | 0.74    | 14.83   | 512      | 3944    | 14  | 0        |
| 15        | 0.885   | 1.97          | 3.40    | 3.52    | 3.18    | 0.02     | 1.066      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 15  | 0        |
| 16        | 0.851   | 2.03          | 3.22    | 3.42    | 3.10    | 0.02     | 0.861      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 16  | 0        |
| 17        | 0.868   | 2.22          | 3.32    | 3.42    | 3.21    | 0.03     | 0.587      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 17  | 0        |
| 18        | 0.885   | 1.31          | 3.38    | 3.60    | 3.52    | 0.05     | 0.895      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 18  | 0        |
| 19        | 0.881   | 1.47          | 2.81    | 2.91    | 3.60    | 0.03     | 0.951      | 8.6          | 7.9       | 2       | 1.0               | 0.1   | 2.0  | 71       | 440  | 296        | 7.35    | 0.73    | 14.70   | 522      | 3233    | 19  | 0        |
| 20        | 0.911   | 1.39          | 3.39    | 3.81    | 3.41    | 0.02     | 0.841      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 20  | 0        |
| 21        | 0.885   | 2.02          | 3.32    | 3.50    | 3.22    | 0.01     | 0.943      | 8.3          | 7.6       |         | 1.0               | 0.1   | 2.0  | 72       | 428  | 284        | 7.38    | 0.74    | 14.76   | 531      | 3159    | 21  | 0        |
| 22        | 0.889   | 2.29          | 3.51    | 3.72    | 3.31    | 0.06     | 0.787      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 22  | 0        |
| 23        | 0.889   | 2.64          | 3.42    | 3.70    | 3.53    | 0.03     | 0.884      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 23  | 0        |
| 24        | 0.888   | 2.42          | 3.13    | 3.82    | 3.71    | 0.02     | 0.969      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 24  | 0        |
| 25        | 0.922   | 3.13          | 3.20    | 3.20    | 3.29    | 0.01     | 0.872      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 25  | 0        |
| 26        | 0.893   | 3.72          | 3.52    | 3.45    | 3.12    | 0.03     | 0.893      | 8.6          | 8.0       | 2       | 1.0               | 0.1   | 2.0  | 71       | 452  | 290        | 7.45    | 0.74    | 14.90   | 529      | 3366    | 26  | 0        |
| 27        | 0.878   | 3.34          | 3.73    | 3.40    | 3.51    | 0.04     | 0.884      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 27  | 0        |
| 28        | 0.893   | 3.01          | 3.81    | 3.28    | 3.29    | 0.03     | 0.876      | 9.4          | 7.8       |         | 1.0               | 0.1   | 2.0  | 71       | 444  | 290        | 7.45    | 0.74    | 14.90   | 529      | 3307    | 28  | 0        |
| 29        | 0.871   | 2.79          | 3.64    | 3.60    | 3.81    | 0.06     | 0.852      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 29  | 0        |
| 30        | 0.893   | 2.91          | 3.72    | 3.49    | 3.60    | 0.03     | 0.884      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 30  | 0        |
| 31        | 0.878   | 3.20          | 3.63    | 3.31    | 3.52    | 0.03     | 0.977      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 31  | 0        |

|     |       |      |  |  |  |      |       |     |     |   |      |      |       |     |      |     |      |      |       |     |      |  |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|---|------|------|-------|-----|------|-----|------|------|-------|-----|------|--|------|
|     |       |      |  |  |  |      |       |     |     |   | 7.60 | 1.13 | 15.20 | 536 | 3450 |     |      |      |       |     |      |  |      |
| AVG | 0.905 |      |  |  |  |      | 0.905 |     |     | 2 | 1.00 | 0.15 | 2.00  | 71  | 455  | 296 |      |      |       |     |      |  |      |
| MIN | 0.752 | 1.31 |  |  |  | 0.01 | 0.587 | 8.6 | 7.9 | 2 | 1.0  | 0.1  | 2.0   | 64  | 428  | 284 | 7.35 | 0.73 | 14.70 | 512 | 3159 |  | 0.00 |
| MAX | 1.032 | 3.86 |  |  |  | 0.06 | 1.264 |     | 7.6 | 2 | 1.0  | 0.5  | 2.0   | 77  | 532  | 316 | 8.34 | 3.71 | 16.68 | 584 | 3944 |  | 0.75 |

2-Hour Peak Flow,  
<5,000 GPM:

1,375

Reading 1/1/2021 738752  
Reading 2/1/2021 766817  
# of days 31  
Daily Average Flow= 0.9053 MGD

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/21 | 0.905 | 04/20 | 0.901 | 07/20 | 0.959 | 10/20 | 0.868 |
|                             | 02/20 | 0.807 | 05/20 | 0.932 | 08/20 | 0.905 | 11/20 | 0.882 |
|                             | 03/20 | 0.853 | 06/20 | 0.968 | 09/20 | 0.936 | 12/20 | 0.908 |
| Annual Average Flow:        |       |       |       |       |       |       |       | 0.902 |

Total 2.25

Reading 2/1/2020 436574  
Reading 2/1/2021 766817  
Total  
Annual Average Flow: 0.905 MGD  
Capacity: 50%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

February 2021

| TX0124907 |         | Grab Samples  |         |         |         |          |            |      | Grab Samples |         |      | Composite Samples |      |          |      |            |         |         |         |          |         |     |          |  |  |
|-----------|---------|---------------|---------|---------|---------|----------|------------|------|--------------|---------|------|-------------------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|--|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO   | pH           | E. coli | TSS  | NH3-N             | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |  |  |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L | S.U.         | CFU/ml  | mg/l | mg/l              | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |  |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0  | 6.5 - 9.0    | 63      | 15   | 3                 | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | Report  | Day |          |  |  |
| 1         | 0.925   | 1.32          | 3.79    | 3.71    | 3.22    | 0.06     | 0.886      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 1   | 0        |  |  |
| 2         | 1.000   | 3.80          | 3.70    | 3.39    | 3.61    | 0.05     | 0.931      | 8.6  | 8.0          |         | 1.0  | 0.1               | 2.0  | 70       | 448  | 276        | 8.34    | 0.83    | 16.68   | 584      | 3736    | 2   | 0        |  |  |
| 3         | 0.860   | 2.92          | 3.51    | 3.72    | 3.41    | 0.03     | 0.839      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 3   | 0        |  |  |
| 4         | 0.901   | 3.79          | 3.72    | 3.51    | 3.50    | 0.04     | 0.881      | 8.6  | 7.7          | 2       | 1.1  | 0.5               | 2.7  | 158      | 740  | 272        | 8.27    | 3.76    | 20.29   | 1187     | 5561    | 4   | 0        |  |  |
| 5         | 0.957   | 2.91          | 3.62    | 3.25    | 3.42    | 0.02     | 1.220      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 5   | 0        |  |  |
| 6         | 1.032   | 3.22          | 3.43    | 3.29    | 3.42    | 0.01     | 0.901      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 6   | 0        |  |  |
| 7         | 0.960   | 3.13          | 3.42    | 3.08    | 3.41    | 0.01     | 0.578      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 7   | 0        |  |  |
| 8         | 0.922   | 2.08          | 3.72    | 3.20    | 3.60    | 0.02     | 0.976      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 8   | 0        |  |  |
| 9         | 0.889   | 2.31          | 3.50    | 3.41    | 3.22    | 0.04     | 1.235      | 8.6  | 7.5          |         | 1.0  | 0.1               | 2.2  | 63       | 472  | 292        | 7.41    | 0.74    | 16.31   | 467      | 3500    | 9   | 0        |  |  |
| 10        | 0.888   | 2.19          | 3.75    | 3.50    | 3.72    | 0.01     | 0.992      |      |              | 2       |      |                   |      |          |      |            |         |         |         |          |         | 10  | 0        |  |  |
| 11        | 0.851   | 3.43          | 3.59    | 3.71    | 3.41    | 0.03     | 0.700      | 9.1  | 7.7          |         | 1.7  | 0.1               | 3.8  | 148      | 752  | 282        | 12.07   | 0.71    | 26.97   | 1050     | 5337    | 11  | 0.5      |  |  |
| 12        | 0.868   | 3.81          | 3.81    | 3.42    | 3.82    | 0.02     | 0.825      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 12  | 0.5      |  |  |
| 13        | 0.868   | 3.60          | 3.52    | 3.60    | 3.53    | 0.01     | 0.853      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 13  | 0        |  |  |
| 14        | 0.778   | 3.33          | 3.60    | 3.69    | 3.45    | 0.02     | 0.878      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 14  | 0.25     |  |  |
| 15        | 0.793   | 3.41          | 3.61    | 3.50    | 3.42    | 0.02     | 1.601      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 15  | 0.2      |  |  |
| 16        | 1.146   | 3.10          | 3.12    | 3.09    | 3.30    | 0.01     | 2.389      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 16  | 0.2      |  |  |
| 17        | 1.197   | 1.91          | 3.41    | 3.41    | 3.21    | 0.02     | 1.310      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 17  | 1        |  |  |
| 18        | 1.847   | 1.93          | 1.99    | 3.71    | 3.82    | 0.03     | 1.527      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 18  | 0.5      |  |  |
| 19        | 1.541   | 2.82          | 3.81    | 3.22    | 3.32    | 0.08     | 1.370      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 19  | 0        |  |  |
| 20        | 1.541   | 3.14          | 3.70    | 3.53    | 3.70    | 0.02     | 1.145      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 20  | 0        |  |  |
| 21        | 1.534   | 2.93          | 3.52    | 3.32    | 3.53    | 0.03     | 0.998      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 21  | 0        |  |  |
| 22        | 0.977   | 1.48          | 3.63    | 3.85    | 3.12    | 0.01     | 1.012      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 22  | 0        |  |  |
| 23        | 0.943   | 1.91          | 3.40    | 3.40    | 3.51    | 0.02     | 0.961      | 6.9  | 7.5          | 5       | 1.5  | 0.1               | 2.0  | 69       | 488  | 288        | 11.80   | 0.79    | 15.73   | 543      | 3838    | 23  | 0        |  |  |
| 24        | 0.967   | 1.80          | 3.71    | 3.52    | 3.40    | 0.06     | 1.210      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 24  | 0        |  |  |
| 25        | 0.986   | 1.53          | 3.49    | 3.71    | 3.12    | 0.08     | 0.741      | 8.2  | 7.4          |         | 1.0  | 0.1               | 2.7  | 74       | 452  | 268        | 8.22    | 0.82    | 22.20   | 609      | 3717    | 25  | 0        |  |  |
| 26        | 0.986   | 3.71          | 3.83    | 3.11    | 3.19    | 0.02     | 1.329      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 26  | 0        |  |  |
| 27        | 0.993   | 3.03          | 3.72    | 3.32    | 3.31    | 0.01     | 0.972      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 27  | 0        |  |  |
| 28        | 0.993   | 3.12          | 3.62    | 3.20    | 3.13    | 0.01     | 0.916      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 28  | 0        |  |  |
| 29        |         |               |         |         |         |          |            |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 29  |          |  |  |
| 30        |         |               |         |         |         |          |            |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 30  |          |  |  |
| 31        |         |               |         |         |         |          |            |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 31  |          |  |  |

|     |       |      |  |  |  |      |       |     |     |   |      |      |       |     |      |  |       |      |       |      |      |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|---|------|------|-------|-----|------|--|-------|------|-------|------|------|------|
|     |       |      |  |  |  |      |       |     |     |   | 9.35 | 1.28 | 19.70 | 740 | 4281 |  |       |      |       |      |      |      |
| AVG | 1.078 |      |  |  |  |      | 1.078 |     |     | 3 | 1.22 | 0.17 | 2.57  | 97  | 559  |  |       |      |       |      |      |      |
| MIN | 0.778 | 1.32 |  |  |  |      | 0.578 | 6.9 | 7.4 | 2 | 1.0  | 0.1  | 2.0   | 63  | 448  |  | 7.41  | 0.71 | 15.73 | 467  | 3500 | 0.00 |
| MAX | 1.847 | 3.85 |  |  |  | 0.08 | 2.389 |     | 8.0 | 5 | 1.7  | 0.5  | 3.8   | 158 | 752  |  | 12.07 | 3.76 | 26.97 | 1187 | 5561 | 1.00 |

|                                     |
|-------------------------------------|
| 2-Hour Peak<br>Flow, <5,000<br>GPM: |
| 2,083                               |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/21 | 0.905 | 04/20 | 0.901 | 07/20 | 0.959 | 10/20 | 0.868 |
|                             | 02/21 | 1.078 | 05/20 | 0.932 | 08/20 | 0.905 | 11/20 | 0.882 |
|                             | 03/20 | 0.853 | 06/20 | 0.968 | 09/20 | 0.936 | 12/20 | 0.908 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.925 |       |

Total 3.15

Reading 2/1/2021 766817  
Reading 3/1/2021 796993  
# of days 29  
28  
Daily Average Flow= 1.077714

Reading 3/1/2020 459969  
Reading 3/1/2021 796993  
Total  
Annual Average Flow: 0.923 MGD  
Capacity: 60%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

March 2021

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         | Composite Samples |       |      |          |      |            | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|-------------------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 0.978   | 2.21          | 3.49    | 3.61    | 3.53    | 0.02     | 0.788      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 1   | 0.25     |
| 2         | 0.956   | 3.66          | 3.44    | 3.74    | 2.50    | 0.01     | 0.932      | 8.5          | 7.5       | 2       | 1.0               | 0.1   | 2.0  | 74       | 444  | 276        | 7.97    | 0.80    | 15.95   | 590      | 3540    | 2   | 0        |
| 3         | 0.925   | 3.53          | 3.73    | 3.42    | 2.71    | 0.03     | 1.048      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 3   | 0        |
| 4         | 0.964   | 3.69          | 3.31    | 3.71    | 3.06    | 0.02     | 0.836      | 8.6          | 7.7       |         | 1.0               | 0.1   | 2.0  | 70       | 472  | 244        | 8.04    | 0.80    | 16.08   | 563      | 3795    | 4   | 0        |
| 5         | 0.931   | 3.12          | 3.40    | 3.05    | 3.21    | 0.01     | 0.877      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 5   | 0        |
| 6         | 0.931   | 3.44          | 3.72    | 3.30    | 3.52    | 0.02     | 0.938      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 6   | 0        |
| 7         | 0.949   | 3.35          | 3.80    | 3.52    | 3.34    | 0.01     | 1.109      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 7   | 0        |
| 8         | 0.982   | 3.53          | 3.39    | 2.22    | 3.41    | 0.03     | 1.343      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 8   | 0        |
| 9         | 0.986   | 3.79          | 3.56    | 3.60    | 3.15    | 0.01     | 0.738      | 8.3          | 7.4       | 1       | 1.0               | 0.1   | 2.0  | 70       | 492  | 290        | 8.22    | 0.82    | 16.45   | 576      | 4046    | 9   | 0        |
| 10        | 1.010   | 3.65          | 3.32    | 3.31    | 2.92    | 0.05     | 1.033      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 10  | 0        |
| 11        | 0.991   | 3.31          | 3.00    | 3.19    | 3.45    | 0.05     | 1.133      | 8.7          | 8.3       |         | 1.0               | 0.1   | 2.0  | 69       | 484  | 304        | 8.26    | 0.83    | 16.53   | 570      | 4000    | 11  | 0        |
| 12        | 1.018   | 3.10          | 3.71    | 3.31    | 3.21    | 0.02     | 0.676      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 12  | 0        |
| 13        | 1.005   | 3.22          | 3.49    | 3.12    | 3.32    | 0.03     | 0.923      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 13  | 0        |
| 14        | 0.949   | 3.31          | 3.43    | 3.11    | 3.11    | 0.02     | 1.122      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 14  | 0        |
| 15        | 0.925   | 3.14          | 3.66    | 3.22    | 3.40    | 0.01     | 0.886      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 15  | 0        |
| 16        | 0.841   | 3.61          | 3.52    | 3.03    | 3.21    | 0.02     | 0.943      | 7.7          | 7.4       | 77      | 1.8               | 2.0   | 2.0  | 157      | 720  | 280        | 12.63   | 14.03   | 14.03   | 1101     | 5050    | 16  | 0        |
| 17        | 0.552   | 3.20          | 3.76    | 2.80    | 3.49    | 0.03     | 0.842      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 17  | 0        |
| 18        | 0.886   | 3.69          | 3.81    | 3.66    | 3.43    | 0.01     | 0.628      | 8.8          | 7.5       |         | 2.0               | 0.2   | 2.1  | 148      | 756  | 276        | 14.78   | 1.48    | 15.52   | 1094     | 5586    | 18  | 0        |
| 19        | 0.827   | 3.04          | 3.44    | 3.71    | 2.51    | 0.01     | 1.146      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 19  | 0        |
| 20        | 0.809   | 3.32          | 3.33    | 3.04    | 3.00    | 0.03     | 0.867      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 20  | 0        |
| 21        | 0.957   | 3.41          | 3.22    | 2.82    | 3.01    | 0.04     | 0.902      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 21  | 0        |
| 22        | 0.951   | 3.62          | 3.84    | 3.10    | 2.79    | 0.02     | 1.201      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 22  | 0        |
| 23        | 1.001   | 3.73          | 2.90    | 2.88    | 2.90    | 0.00     | 0.817      | 7.9          | 7.6       | 12      | 3.3               | 0.3   | 4.5  | 150      | 772  | 310        | 27.55   | 2.50    | 37.57   | 1252     | 6445    | 23  | 0        |
| 24        | 1.000   | 3.51          | 3.81    | 2.79    | 3.10    | 0.00     | 1.126      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 24  | 0        |
| 25        | 1.545   | 3.29          | 3.70    | 2.91    | 2.98    | 0.05     | 0.912      | 7.2          | 7.6       |         | 3.0               | 0.1   | 3.2  | 145      | 680  | 306        | 38.66   | 1.29    | 41.23   | 1868     | 8762    | 25  | 0        |
| 26        | 1.515   | 3.12          | 3.53    | 3.13    | 3.07    | 0.00     | 0.597      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 26  | 0        |
| 27        | 0.946   | 1.85          | 3.34    | 2.82    | 2.91    | 0.01     | 0.985      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 27  | 0        |
| 28        | 0.984   | 2.03          | 3.42    | 3.00    | 2.99    | 0.01     | 1.382      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 28  | 0        |
| 29        | 0.998   | 1.44          | 3.74    | 2.80    | 2.82    | 0.03     | 0.696      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 29  | 0        |
| 30        | 0.975   | 3.62          | 3.61    | 2.51    | 2.21    | 0.02     | 1.231      | 8.6          | 7.6       | 2       | 2.7               | 1.1   | 2.4  | 148      | 760  | 314        | 21.96   | 8.94    | 19.52   | 1203     | 6180    | 30  | 0        |
| 31        | 1.005   | 3.73          | 3.50    | 2.70    | 3.74    | 0.03     | 1.211      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 31  | 0        |

|     |       |      |  |  |  |      |       |     |     |    |       |      |       |     |      |  |       |       |       |      |      |  |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|----|-------|------|-------|-----|------|--|-------|-------|-------|------|------|--|------|
|     |       |      |  |  |  |      |       |     |     |    | 16.45 | 3.50 | 21.43 | 980 | 5267 |  |       |       |       |      |      |  |      |
| AVG | 0.963 |      |  |  |  |      | 0.963 |     |     | 5  | 1.87  | 0.46 | 2.47  | 115 | 620  |  |       |       |       |      |      |  |      |
| MIN | 0.552 | 1.44 |  |  |  |      | 0.597 | 7.2 | 7.4 | 1  | 1.0   | 0.1  | 2.0   | 69  | 444  |  | 7.97  | 0.80  | 14.03 | 563  | 3540 |  | 0.00 |
| MAX | 1.545 | 3.84 |  |  |  | 0.05 | 1.382 |     | 8.3 | 77 | 3.3   | 2.0  | 4.5   | 157 | 772  |  | 38.66 | 14.03 | 41.23 | 1868 | 8762 |  | 0.25 |

2-Hour Peak Flow,  
<5,000 GPM:

1,333

Reading 3/1/2021 796993

Reading 4/1/2021 826861

# of days 31

Daily Average Flow= 0.963

Monthly Average Flows

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 01/21 | 0.905 | 04/20 | 0.901 | 07/20 | 0.959 | 10/20 | 0.868 |
| 02/21 | 1.078 | 05/20 | 0.932 | 08/20 | 0.905 | 11/20 | 0.882 |
| 03/21 | 0.963 | 06/20 | 0.968 | 09/20 | 0.936 | 12/20 | 0.908 |

Annual Average Flow: 0.934

Reading 4/1/2020 486401

Reading 4/1/2021 826861

Annual Average Flow: 0.933 MGD

Capacity: 54%

Total 0.25



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

April 2021

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |     |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |     |          |  |
| 1         | 1.085   | 2.02          | 3.51    | 2.93    | 2.59    | 0.04  | 0.529      | 8.8      | 7.8          |      | 2.3     | 0.1               | 2.5   | 88     | 556      | 272  | 20.81      | 0.90    | 22.62   | 796     | 5031     | 1       | 0   |          |  |
| 2         | 1.085   | 2.24          | 3.70    | 3.12    | 2.93    | 0.02  | 1.132      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 2       | 0   |          |  |
| 3         | 0.948   | 2.12          | 3.32    | 2.94    | 2.71    | 0.03  | 0.966      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 3       | 0   |          |  |
| 4         | 0.948   | 1.95          | 3.14    | 2.70    | 3.13    | 0.02  | 0.888      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 4       | 0   |          |  |
| 5         | 1.008   | 1.31          | 3.76    | 2.79    | 2.91    | 0.04  | 1.347      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0   |          |  |
| 6         | 0.955   | 2.21          | 3.42    | 2.61    | 2.99    | 0.05  | 0.946      | 8.4      | 7.7          |      | 1.6     | 0.9               | 2.0   | 88     | 532      | 292  | 12.74      | 7.17    | 15.93   | 701     | 4237     | 6       | 0   |          |  |
| 7         | 0.589   | 1.67          | 3.86    | 2.38    | 3.07    | 0.04  | 1.003      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0   |          |  |
| 8         | 0.889   | 2.34          | 3.65    | 2.97    | 3.20    | 0.05  | 0.712      | 8.0      | 7.6          | 2    | 1.4     | 0.8               | 2.9   | 84     | 608      | 322  | 10.38      | 5.93    | 21.50   | 623     | 4508     | 8       | 0   |          |  |
| 9         | 0.809   | 2.25          | 3.76    | 2.95    | 3.00    | 0.03  | 0.977      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 9       | 0   |          |  |
| 10        | 0.876   | 2.24          | 3.53    | 2.49    | 2.81    | 0.01  | 0.972      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 10      | 0   |          |  |
| 11        | 0.825   | 2.33          | 3.44    | 2.03    | 2.59    | 0.02  | 1.205      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 11      | 0   |          |  |
| 12        | 0.854   | 2.11          | 3.66    | 2.25    | 2.71    | 0.03  | 1.175      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0   |          |  |
| 13        | 0.916   | 1.85          | 3.14    | 2.12    | 2.10    | 0.02  | 0.651      | 8.1      | 7.6          |      | 1.9     | 1.3               | 2.0   | 84     | 524      | 324  | 14.51      | 9.93    | 15.28   | 642     | 4003     | 13      | 0   |          |  |
| 14        | 0.800   | 2.04          | 3.25    | 2.29    | 2.31    | 0.04  | 0.945      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      | 0   |          |  |
| 15        | 0.920   | 2.32          | 3.33    | 2.41    | 2.69    | 0.03  | 1.022      | 8.8      | 7.6          | 2    | 2.6     | 1.0               | 2.0   | 82     | 572      | 316  | 19.95      | 7.67    | 15.35   | 629     | 4389     | 15      | 0.1 |          |  |
| 16        | 0.932   | 2.11          | 3.43    | 2.60    | 2.82    | 0.04  | 1.270      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 16      | 0.6 |          |  |
| 17        | 0.871   | 2.22          | 3.22    | 2.70    | 2.62    | 0.01  | 0.877      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 17      | 1   |          |  |
| 18        | 0.731   | 2.42          | 3.31    | 2.63    | 2.81    | 0.01  | 1.233      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      | 0   |          |  |
| 19        | 0.971   | 2.53          | 3.49    | 2.54    | 2.30    | 0.03  | 0.513      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 0   |          |  |
| 20        | 0.906   | 2.41          | 2.90    | 2.22    | 2.39    | 0.02  | 1.168      | 8.7      | 7.5          | 6    | 1.0     | 0.3               | 2.0   | 74     | 488      | 296  | 7.56       | 2.27    | 15.11   | 559     | 3687     | 20      | 0   |          |  |
| 21        | 0.780   | 2.60          | 3.02    | 2.41    | 2.10    | 0.04  | 1.176      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 21      | 0   |          |  |
| 22        | 0.903   | 2.81          | 2.91    | 2.13    | 2.28    | 0.02  | 0.603      | 8.7      | 7.3          |      | 1.3     | 0.5               | 2.0   | 85     | 532      | 294  | 9.79       | 3.77    | 15.06   | 640     | 4007     | 22      | 0   |          |  |
| 23        | 0.833   | 2.59          | 3.28    | 1.19    | 1.90    | 0.03  | 1.239      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 23      | 0   |          |  |
| 24        | 0.848   | 2.92          | 3.50    | 2.52    | 2.34    | 0.02  | 0.680      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 24      | 0   |          |  |
| 25        | 0.758   | 2.70          | 3.31    | 3.70    | 2.92    | 0.03  | 1.307      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 25      | 0   |          |  |
| 26        | 0.908   | 2.41          | 2.65    | 3.48    | 3.10    | 0.07  | 0.867      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      | 0   |          |  |
| 27        | 0.881   | 2.90          | 3.03    | 2.60    | 2.84    | 0.05  | 1.144      | 7.4      | 7.6          |      | 1.0     | 0.3               | 2.1   | 75     | 524      | 322  | 7.35       | 2.20    | 15.43   | 551     | 3850     | 27      | 0   |          |  |
| 28        | 0.934   | 3.02          | 2.92    | 2.38    | 2.93    | 0.03  | 0.770      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 28      | 0   |          |  |
| 29        | 0.847   | 2.74          | 2.84    | 2.51    | 2.71    | 0.04  | 1.585      | 8.7      | 7.8          | 53   | 1.6     | 0.5               | 2.4   | 81     | 544      | 314  | 11.30      | 3.53    | 16.95   | 572     | 3843     | 29      | 0   |          |  |
| 30        | 0.875   | 2.65          | 1.95    | 1.19    | 1.62    | 0.00  | 1.029      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 30      | 4.6 |          |  |
| 31        |         |               |         |         |         |       |            |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 31      |     |          |  |

|     |       |      |  |  |  |  |       |       |     |    |       |      |       |     |      |  |       |      |       |     |      |  |      |
|-----|-------|------|--|--|--|--|-------|-------|-----|----|-------|------|-------|-----|------|--|-------|------|-------|-----|------|--|------|
|     |       |      |  |  |  |  |       |       |     |    | 12.71 | 4.82 | 17.03 | 635 | 4173 |  |       |      |       |     |      |  |      |
| AVG | 0.998 |      |  |  |  |  | 0.998 |       |     | 6  | 1.63  | 0.63 | 2.21  | 82  | 542  |  |       |      |       |     |      |  |      |
| MIN | 0.589 | 1.19 |  |  |  |  | 0.513 | 7.4   | 7.3 | 2  | 1.0   | 0.1  | 2.0   | 74  | 488  |  | 7.35  | 0.90 | 15.06 | 551 | 3687 |  | 0.00 |
| MAX | 1.085 | 3.86 |  |  |  |  | 0.07  | 1.585 | 7.8 | 53 | 2.6   | 1.3  | 2.9   | 88  | 608  |  | 20.81 | 9.93 | 22.62 | 796 | 5031 |  | 4.60 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 2,430                            |

Reading ##### 826861  
Reading ##### 856792  
# of days 30  
Daily Average Flow= 0.9977

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/21 | 0.905 | 04/21 | 0.998 | 07/20 | 0.959 | 10/20 | 0.868 |
| Average              | 02/21 | 1.078 | 05/20 | 0.932 | 08/20 | 0.905 | 11/20 | 0.882 |
| Flows                | 03/21 | 0.963 | 06/20 | 0.968 | 09/20 | 0.936 | 12/20 | 0.908 |
| Annual Average Flow: |       |       |       |       |       |       | 0.942 |       |

Reading 5/1/2020 513441  
Reading 5/1/2021 856792  
Annual Average Flow: 0.941 MGD  
Capacity: 55%

Total 6.3

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

May 2021

| TX0124907 |         | Grab Samples  |         |         |         |          |            |      |           |         | Grab Samples |       |      | Composite Samples |      |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|------------|------|-----------|---------|--------------|-------|------|-------------------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO   | pH        | E. coli | TSS          | NH3-N | CBOD | Chloride          | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L | S.U.      | CFU/ml  | mg/l         | mg/l  | mg/l | mg/l              | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0  | 6.5 - 9.0 | 63      | 15           | 3     | 10   | Report            | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 0.990   | 2.53          | 2.05    | 1.40    | 1.74    | 0.01     | 1.136      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 1   | 2.6      |
| 2         | 0.842   | 2.72          | 2.24    | 1.82    | 1.92    | 0.01     | 1.321      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 2   | 0.5      |
| 3         | 0.997   | 2.66          | 2.33    | 1.93    | 2.33    | 0.03     | 1.207      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 3   | 0        |
| 4         | 1.061   | 2.43          | 2.01    | 2.37    | 2.25    | 0.04     | 0.999      | 7.1  | 7.4       |         | 1.5          | 0.7   | 2.0  | 85                | 496  | 304        | 13.27   | 6.19    | 17.70   | 752      | 4389    | 4   | 0.15     |
| 5         | 0.858   | 2.55          | 2.15    | 2.28    | 2.44    | 0.02     | 0.651      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 5   | 0        |
| 6         | 0.887   | 2.55          | 1.95    | 2.06    | 1.90    | 0.05     | 1.293      | 8.5  | 7.8       | 1       | 6.6          | 0.4   | 3.0  | 79                | 468  | 442        | 48.82   | 2.96    | 22.19   | 584      | 3462    | 6   | 0        |
| 7         | 1.026   | 2.43          | 2.06    | 2.17    | 2.35    | 0.03     | 0.746      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 7   | 0        |
| 8         | 1.011   | 2.52          | 2.15    | 2.25    | 2.34    | 0.01     | 1.028      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 8   | 0        |
| 9         | 1.003   | 2.44          | 2.25    | 2.04    | 2.33    | 0.01     | 1.348      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 9   | 0        |
| 10        | 1.089   | 2.33          | 2.44    | 2.43    | 2.52    | 0.03     | 0.778      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 10  | 0        |
| 11        | 1.025   | 2.16          | 2.37    | 2.82    | 2.91    | 0.04     | 1.387      | 6.5  | 7.5       |         | 1.0          | 1.2   | 2.0  | 95                | 552  | 286        | 8.55    | 10.26   | 17.10   | 812      | 4719    | 11  | 0        |
| 12        | 1.139   | 2.24          | 2.25    | 2.13    | 2.18    | 0.05     | 1.014      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 12  | 0.25     |
| 13        | 1.041   | 2.02          | 2.42    | 2.35    | 2.03    | 0.04     | 1.892      | 8.4  | 7.5       | 2       | 1.3          | 0.8   | 2.0  | 83                | 444  | 296        | 11.29   | 6.95    | 17.36   | 721      | 3855    | 13  | 0        |
| 14        | 0.979   | 2.16          | 2.33    | 2.24    | 1.81    | 0.02     | 0.000      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 14  | 0        |
| 15        | 0.992   | 2.33          | 2.75    | 2.92    | 2.21    | 0.03     | 0.997      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 15  | 0        |
| 16        | 0.993   | 2.70          | 2.53    | 2.75    | 2.52    | 0.02     | 1.088      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 16  | 0        |
| 17        | 1.013   | 1.94          | 2.05    | 2.84    | 2.34    | 0.03     | 1.418      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 17  | 0        |
| 18        | 0.934   | 1.83          | 1.92    | 3.02    | 2.22    | 0.02     | 1.754      | 7.0  | 7.6       | 2420    | 1.2          | 1.0   | 2.0  | 89                | 548  | 358        | 9.35    | 7.79    | 15.58   | 693      | 4269    | 18  | 4.5      |
| 19        | 1.501   | 2.02          | 2.11    | 2.76    | 2.05    | 0.03     | 1.075      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 19  | 3        |
| 20        | 0.979   | 2.51          | 2.45    | 2.94    | 2.60    | 0.04     | 1.019      | 7.5  | 7.9       |         | 2.0          | 3.2   | 2.0  | 120               | 588  | 274        | 16.33   | 26.13   | 16.33   | 980      | 4801    | 20  | 0.25     |
| 21        | 1.042   | 2.43          | 2.52    | 2.83    | 2.74    | 0.03     | 0.807      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 21  | 0        |
| 22        | 1.106   | 2.34          | 2.53    | 2.92    | 2.23    | 0.02     | 1.116      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 22  | 0        |
| 23        | 0.878   | 2.52          | 2.41    | 2.34    | 2.42    | 0.03     | 1.763      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 23  | 0.75     |
| 24        | 1.112   | 2.52          | 2.62    | 2.56    | 2.35    | 0.02     | 1.256      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 24  | 3.25     |
| 25        | 1.047   | 2.73          | 2.53    | 2.73    | 2.64    | 0.07     | 0.761      | 7.1  | 7.0       |         | 1.4          | 0.2   | 2.8  | 79                | 528  | 302        | 12.22   | 1.75    | 24.45   | 690      | 4610    | 25  | 1.5      |
| 26        | 0.882   | 2.43          | 2.36    | 2.81    | 2.72    | 0.05     | 1.412      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 26  | 0.6      |
| 27        | 1.034   | 2.51          | 2.23    | 2.59    | 2.36    | 0.04     | 1.242      | 7.9  | 7.5       | 1       | 8.9          | 1.7   | 3.8  | 135               | 660  | 252        | 76.75   | 14.66   | 32.77   | 1164     | 5692    | 27  | 0        |
| 28        | 1.046   | 2.35          | 2.45    | 2.30    | 2.45    | 0.03     | 0.637      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 28  | 0        |
| 29        | 0.887   | 2.15          | 2.14    | 2.40    | 2.54    | 0.01     | 0.939      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 29  | 0.4      |
| 30        | 0.814   | 2.33          | 2.34    | 2.51    | 2.24    | 0.01     | 0.989      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 30  | 0        |
| 31        | 0.831   | 2.22          | 2.24    | 2.41    | 2.44    | 0.01     | 1.474      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 31  | 0        |

|     |       |      |  |  |  |      |       |     |     |      |       |      |       |     |      |  |       |       |       |      |      |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|------|-------|------|-------|-----|------|--|-------|-------|-------|------|------|------|
|     |       |      |  |  |  |      |       |     |     |      | 24.57 | 9.59 | 20.43 | 800 | 4475 |  |       |       |       |      |      |      |
| AVG | 1.108 |      |  |  |  |      | 1.114 |     |     | 8    | 2.99  | 1.15 | 2.45  | 96  | 536  |  |       |       |       |      |      |      |
| MIN | 0.814 | 1.40 |  |  |  |      | 0.000 | 6.5 | 7.0 | 1    | 1.0   | 0.2  | 2.0   | 79  | 444  |  | 8.55  | 1.75  | 15.58 | 584  | 3462 | 0.00 |
| MAX | 1.501 | 3.02 |  |  |  | 0.07 | 1.892 |     | 7.9 | 2420 | 8.9   | 3.2  | 3.8   | 135 | 660  |  | 76.75 | 26.13 | 32.77 | 1164 | 5692 | 4.50 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 2,083                            |

Reading 5/1/2021 856792  
Reading 6/1/2021 891148

# of days 31  
Daily Average Flow= 1.108258

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/21 | 0.905 | 04/21 | 0.998 | 07/20 | 0.959 | 10/20 | 0.868 |
|                             | 02/21 | 1.078 | 05/21 | 1.108 | 08/20 | 0.905 | 11/20 | 0.882 |
|                             | 03/21 | 0.963 | 06/20 | 0.968 | 09/20 | 0.936 | 12/20 | 0.908 |
| Annual Average Flow:        |       |       |       |       |       |       |       | 0.957 |

Reading 6/1/2020 542336  
Reading 6/1/2021 891148  
Annual Average Flow: 0.956 MGD  
Capacity: 62%

Total 17.75

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

June 2021

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         | Composite Samples |       |      |          |      |            |         |         |         |          |         |     |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|-------------------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |
| 1         | 0.982   | 1.95          | 2.06    | 1.94    | 1.72    | 0.02     | 0.897      | 7.5          | 7.6       | 268     | 1.1               | 0.3   | 2.2  | 76       | 528  | 288        | 9.01    | 2.46    | 18.02   | 622      | 4324    | 1   |
| 2         | 0.886   | 1.56          | 1.95    | 1.85    | 1.93    | 0.03     | 1.220      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 2   |
| 3         | 1.015   | 1.64          | 2.03    | 1.17    | 2.66    | 0.01     | 1.268      | 8.2          | 7.8       |         | 1.0               | 0.3   | 2.2  | 79       | 508  | 300        | 8.47    | 2.54    | 18.62   | 669      | 4300    | 3   |
| 4         | 1.208   | 2.21          | 2.71    | 1.84    | 3.41    | 0.02     | 0.726      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 4   |
| 5         | 1.208   | 2.93          | 3.12    | 3.70    | 2.44    | 0.03     | 1.154      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 5   |
| 6         | 1.144   | 2.64          | 2.83    | 3.32    | 2.90    | 0.02     | 1.233      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 6   |
| 7         | 1.042   | 1.84          | 2.55    | 3.93    | 3.81    | 0.04     | 0.998      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 7   |
| 8         | 1.092   | 1.91          | 2.02    | 3.90    | 2.07    | 0.05     | 1.196      | 6.4          | 7.6       | 11      | 1.2               | 0.2   | 3.4  | 129      | 652  | 296        | 10.93   | 1.82    | 30.96   | 1175     | 5938    | 8   |
| 9         | 0.899   | 2.00          | 1.94    | 3.58    | 2.95    | 0.04     | 1.214      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 9   |
| 10        | 0.890   | 1.93          | 2.13    | 3.79    | 3.84    | 0.01     | 1.026      | 7.3          | 7.8       |         | 3.0               | 1.4   | 2.0  | 121      | 624  | 282        | 22.27   | 10.39   | 14.85   | 898      | 4632    | 10  |
| 11        | 0.875   | 1.89          | 2.01    | 3.60    | 3.53    | 0.02     | 0.691      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 11  |
| 12        | 0.873   | 1.92          | 2.13    | 3.69    | 3.81    | 0.03     | 1.021      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 12  |
| 13        | 0.909   | 2.03          | 2.12    | 3.80    | 3.72    | 0.02     | 1.347      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 13  |
| 14        | 0.962   | 2.21          | 2.01    | 3.58    | 3.90    | 0.03     | 1.055      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 14  |
| 15        | 0.900   | 1.99          | 2.20    | 3.81    | 3.78    | 0.04     | 0.931      | 7.0          | 7.6       | 1       | 2.8               | 0.8   | 2.9  | 147      | 652  | 290        | 21.02   | 6.00    | 21.77   | 1103     | 4894    | 15  |
| 16        | 0.981   | 2.14          | 2.04    | 3.60    | 3.69    | 0.02     | 1.119      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 16  |
| 17        | 0.926   | 1.91          | 2.12    | 3.69    | 3.82    | 0.03     | 1.000      | 7.8          | 7.8       |         | 1.6               | 0.7   | 2.8  | 117      | 608  | 286        | 12.36   | 5.41    | 21.62   | 904      | 4695    | 17  |
| 18        | 0.856   | 2.21          | 2.30    | 3.78    | 3.90    | 0.05     | 0.731      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 18  |
| 19        | 0.840   | 2.32          | 2.12    | 3.70    | 3.72    | 0.03     | 0.995      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 19  |
| 20        | 0.831   | 2.23          | 2.21    | 3.69    | 3.61    | 0.03     | 1.073      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 20  |
| 21        | 0.860   | 2.42          | 2.43    | 3.80    | 3.82    | 0.04     | 1.249      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 21  |
| 22        | 0.906   | 2.21          | 2.63    | 3.61    | 3.74    | 0.05     | 1.216      | 6.7          | 7.6       | 2       | 2.0               | 0.9   | 4.7  | 124      | 616  | 294        | 15.11   | 6.80    | 35.51   | 937      | 4655    | 22  |
| 23        | 0.993   | 2.69          | 2.91    | 3.78    | 3.62    | 0.06     | 1.028      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 23  |
| 24        | 0.965   | 2.21          | 2.72    | 3.12    | 3.41    | 0.02     | 0.781      | 7.8          | 7.7       |         | 1.0               | 0.9   | 3.6  | 121      | 676  | 236        | 8.05    | 7.24    | 28.97   | 974      | 5441    | 24  |
| 25        | 0.850   | 2.40          | 2.18    | 3.50    | 3.69    | 0.01     | 0.969      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 25  |
| 26        | 0.936   | 2.92          | 2.64    | 3.73    | 3.42    | 0.02     | 1.028      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 26  |
| 27        | 0.924   | 2.74          | 2.93    | 3.52    | 3.64    | 0.03     | 1.231      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 27  |
| 28        | 0.785   | 3.35          | 3.31    | 3.61    | 3.82    | 0.03     | 1.207      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 28  |
| 29        | 0.980   | 2.73          | 3.03    | 3.10    | 3.26    | 0.05     | 0.755      | 7.1          | 7.7       | 2       | 4.0               | 1.4   | 7.6  | 160      | 680  | 274        | 32.69   | 11.44   | 62.12   | 1308     | 5558    | 29  |
| 30        | 0.820   | 2.80          | 2.95    | 3.53    | 3.54    | 0.03     | 1.311      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 30  |
| 31        |         |               |         |         |         |          |            |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 31  |

|     |       |      |  |  |  |      |       |     |     |     |       |      |       |     |      |  |       |       |       |      |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|-----|-------|------|-------|-----|------|--|-------|-------|-------|------|------|
|     |       |      |  |  |  |      |       |     |     |     | 15.54 | 6.01 | 28.05 | 954 | 4937 |  |       |       |       |      |      |
| AVG | 1.056 |      |  |  |  |      | 1.056 |     |     | 7   | 1.97  | 0.77 | 3.49  | 119 | 616  |  |       |       |       |      |      |
| MIN | 0.785 | 1.17 |  |  |  |      | 0.691 | 6.4 | 7.6 | 1   | 1.0   | 0.2  | 2.0   | 76  | 508  |  | 8.05  | 1.82  | 14.85 | 622  | 4300 |
| MAX | 1.208 | 3.93 |  |  |  | 0.06 | 1.347 |     | 7.8 | 268 | 4.0   | 1.4  | 7.6   | 160 | 680  |  | 32.69 | 11.44 | 62.12 | 1308 | 5938 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,215                            |

Reading 6/1/2021 891148  
Reading 7/1/2021 922818  
# of days 30  
Daily Average Flow= 1.056

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/21 | 0.905 | 04/21 | 0.998 | 07/20 | 0.959 | 10/20 | 0.868 |
|                             | 02/21 | 1.078 | 05/21 | 1.108 | 08/20 | 0.905 | 11/20 | 0.882 |
|                             | 03/21 | 0.963 | 06/21 | 1.056 | 09/20 | 0.936 | 12/20 | 0.908 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.964 |       |

Reading 7/1/2020 571376  
Reading 7/1/2021 922818  
Total:  
Annual Average Flow: 0.963 MGD  
Capacity: 59%

Total



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

July 2021

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         | Composite Samples |       |      |          |      |            | TSS     | NH3-N   | CBOD    | Chloride | TDS     | Rainfall |        |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|-------------------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|----------|--------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |          |        |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.500      | mg/L         | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |          | Inches |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | 739  | NA         | 188     | 38      | 125     | Report   | 11094   | Day      |        |
| 1         | 0.961   | 2.62          | 2.83    | 3.39    | 3.71    | 0.04     | 1.038      | 7.9          | 7.7       |         | 1.0               | 1.2   | 3.4  | 135      | 652  | 266        | 8.01    | 9.62    | 27.25   | 1082     | 5226    | 1        | 0      |
| 2         | 0.951   | 3.09          | 3.21    | 3.52    | 3.79    | 0.02     | 0.703      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 2        | 0      |
| 3         | 0.867   | 2.91          | 3.02    | 3.30    | 3.61    | 0.03     | 1.002      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 3        | 0.25   |
| 4         | 0.857   | 2.80          | 3.14    | 3.41    | 3.70    | 0.02     | 1.092      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 4        | 0.25   |
| 5         | 0.908   | 3.02          | 2.93    | 3.49    | 3.71    | 0.03     | 1.412      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 5        | 1      |
| 6         | 0.956   | 2.78          | 3.12    | 3.67    | 3.79    | 0.02     | 0.750      | 7.2          | 7.5       | 10      | 1.3               | 0.6   | 3.8  | 89       | 528  | 294        | 10.36   | 4.78    | 30.30   | 710      | 4210    | 6        | 0.5    |
| 7         | 0.857   | 3.19          | 3.00    | 3.80    | 3.52    | 0.03     | 1.101      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 7        | 0      |
| 8         | 0.893   | 3.11          | 2.78    | 3.50    | 3.33    | 0.04     | 0.166      | 8.0          | 7.9       |         | 1.7               | 0.5   | 2.0  | 134      | 528  | 302        | 12.66   | 3.72    | 14.90   | 998      | 3932    | 8        | 0      |
| 9         | 0.947   | 3.44          | 2.88    | 3.27    | 3.50    | 0.03     | 2.000      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 9        | 1.2    |
| 10        | 0.832   | 3.24          | 3.01    | 3.39    | 3.41    | 0.01     | 1.072      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 10       | 1.4    |
| 11        | 0.892   | 3.33          | 2.90    | 3.40    | 3.40    | 0.01     | 1.178      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 11       | 0      |
| 12        | 0.830   | 3.12          | 3.08    | 3.68    | 3.78    | 0.02     | 1.310      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 12       | 0      |
| 13        | 0.954   | 3.40          | 3.32    | 3.41    | 3.40    | 0.04     | 0.762      | 7.6          | 7.7       | 2       | 1.9               | 1.4   | 2.0  | 148      | 656  | 268        | 15.12   | 11.14   | 15.91   | 1178     | 5219    | 13       | 0      |
| 14        | 0.793   | 2.94          | 3.04    | 3.59    | 3.65    | 0.02     | 1.249      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 14       | 0.35   |
| 15        | 0.928   | 3.01          | 2.93    | 3.78    | 3.52    | 0.03     | 0.856      | 7.9          | 7.6       |         | 1.6               | 1.0   | 3.2  | 143      | 732  | 288        | 12.38   | 7.74    | 24.77   | 1107     | 5665    | 15       | 0      |
| 16        | 0.975   | 2.95          | 3.12    | 3.71    | 3.71    | 0.02     | 1.028      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 16       | 0.75   |
| 17        | 1.082   | 3.12          | 3.51    | 3.90    | 3.62    | 0.03     | 1.046      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 17       | 1.75   |
| 18        | 1.057   | 3.30          | 3.34    | 3.73    | 3.82    | 0.02     | 1.437      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 18       | 0      |
| 19        | 1.046   | 2.98          | 3.40    | 3.38    | 3.48    | 0.04     | 0.766      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 19       | 0      |
| 20        | 1.096   | 3.08          | 3.21    | 2.96    | 3.36    | 0.02     | 1.403      | 6.9          | 7.2       | 6       | 1.2               | 1.0   | 2.0  | 93       | 528  | 312        | 10.97   | 9.14    | 18.28   | 850      | 4826    | 20       | 0      |
| 21        | 1.051   | 3.20          | 3.08    | 3.18    | 3.28    | 0.03     | 1.212      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 21       | 0      |
| 22        | 1.101   | 2.43          | 3.46    | 3.30    | 3.59    | 0.05     | 0.951      | 8.9          | 7.7       |         | 1.3               | 1.8   | 2.5  | 137      | 656  | 288        | 11.94   | 16.53   | 22.96   | 1258     | 6024    | 22       | 0      |
| 23        | 1.163   | 2.99          | 3.30    | 3.02    | 3.21    | 0.04     | 0.965      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 23       | 0      |
| 24        | 1.129   | 3.01          | 2.72    | 3.39    | 3.62    | 0.03     | 1.138      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 24       | 0      |
| 25        | 1.104   | 2.80          | 2.79    | 3.18    | 3.41    | 0.02     | 1.137      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 25       | 0      |
| 26        | 1.635   | 2.60          | 2.40    | 3.31    | 3.51    | 0.02     | 0.883      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 26       | 0      |
| 27        | 1.635   | 2.11          | 2.43    | 2.62    | 3.67    | 0.02     | 1.032      | 6.8          | 7.7       | 731     | 1.8               | 1.1   | 4.2  | 141      | 756  | 294        | 24.54   | 15.00   | 57.27   | 1923     | 10309   | 27       | 0      |
| 28        | 1.155   | 1.89          | 1.84    | 2.90    | 3.60    | 0.03     | 1.391      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 28       | 0      |
| 29        | 1.061   | 1.64          | 1.32    | 3.18    | 3.48    | 0.04     | 0.803      | 7.1          | 7.6       |         | 1.0               | 0.2   | 3.7  | 141      | 784  | 268        | 8.85    | 1.77    | 32.74   | 1248     | 6937    | 29       | 0      |
| 30        | 1.750   | 3.90          | 2.90    | 1.93    | 3.61    | 0.06     | 1.051      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 30       | 0      |
| 31        | 1.088   | 3.80          | 2.70    | 2.33    | 3.51    | 0.01     | 1.094      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 31       | 0      |

|     |       |      |  |  |  |      |       |     |     |     |       |      |       |      |      |  |       |       |       |      |       |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|-----|-------|------|-------|------|------|--|-------|-------|-------|------|-------|------|
|     |       |      |  |  |  |      |       |     |     |     | 12.76 | 8.83 | 27.15 | 1150 | 5816 |  |       |       |       |      |       |      |
| AVG | 1.065 |      |  |  |  |      | 1.065 |     |     | 17  | 1.42  | 0.98 | 2.98  | 129  | 647  |  |       |       |       |      |       |      |
| MIN | 0.793 | 1.32 |  |  |  |      | 0.166 | 6.8 | 7.2 | 2   | 1.0   | 0.2  | 2.0   | 89   | 528  |  | 8.01  | 1.77  | 14.90 | 710  | 3932  | 0.00 |
| MAX | 1.750 | 3.90 |  |  |  | 0.06 | 2.000 |     | 7.9 | 731 | 1.9   | 1.8  | 4.2   | 148  | 784  |  | 24.54 | 16.53 | 57.27 | 1923 | 10309 | 1.75 |

|                                     |
|-------------------------------------|
| 2-Hour Peak<br>Flow, <5,000<br>GPM: |
| 1,166                               |

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/21 | 0.905 | 04/21 | 0.998 | 07/21 | 1.065 | 10/20 | 0.868 |
| Average              | 02/21 | 1.078 | 05/21 | 1.108 | 08/20 | 0.905 | 11/20 | 0.882 |
| Flows                | 03/21 | 0.963 | 06/21 | 1.056 | 09/20 | 0.936 | 12/20 | 0.908 |
| Annual Average Flow: |       |       |       |       |       | 0.973 |       |       |

Total 7.45

Reading 7/1/2021 922818  
Reading 8/1/2021 955846  
# of days 31  
Daily Average Flow= 1.065419 MGD

Reading 8/1/2020 601119  
Reading 8/1/2021 955846  
Total:  
Annual Average Flow: 0.972 MGD  
Capacity: 71%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

August 2021

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         |      | Composite Samples |      |          |      |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|------|-------------------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS  | NH3-N             | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l | mg/l              | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15   | 3                 | 10   | Report   | 739  | NA         | 188     | 38      | 125     | Report   | 11094   | Day |          |
| 1         | 1.058   | 3.80          | 2.90    | 2.63    | 3.41    | 0.01     | 1.384      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 1   | 0.9      |
| 2         | 1.083   | 3.48          | 3.07    | 2.91    | 3.68    | 0.02     | 0.737      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 2   | 0        |
| 3         | 1.076   | 3.41          | 2.99    | 2.79    | 3.59    | 0.03     | 1.242      | 7.2          | 7.8       | 8       | 1.4  | 0.9               | 4.9  | 147      | 704  | 282        | 12.56   | 8.08    | 43.97   | 1319     | 6318    | 3   | 0        |
| 4         | 1.071   | 3.59          | 2.93    | 2.98    | 3.33    | 0.02     | 0.964      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 4   | 0        |
| 5         | 0.997   | 3.27          | 3.21    | 2.90    | 3.41    | 0.01     | 0.884      | 8.7          | 7.9       |         | 2.9  | 0.6               | 4.0  | 149      | 676  | 304        | 24.11   | 4.99    | 33.26   | 1239     | 5621    | 5   | 0        |
| 6         | 1.022   | 2.89          | 3.12    | 3.12    | 3.70    | 0.04     | 0.990      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 6   | 0        |
| 7         | 1.022   | 3.40          | 3.53    | 3.30    | 3.52    | 0.02     | 1.064      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 7   | 0        |
| 8         | 1.033   | 3.60          | 3.32    | 3.53    | 3.70    | 0.03     | 1.395      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 8   | 0        |
| 9         | 1.044   | 3.31          | 3.10    | 3.01    | 3.48    | 0.01     | 1.030      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 9   | 0        |
| 10        | 1.083   | 3.08          | 2.87    | 3.18    | 3.01    | 0.03     | 1.144      | 6.9          | 7.3       | 2       | 1.4  | 1.3               | 2.8  | 121      | 576  | 270        | 12.65   | 11.74   | 25.29   | 1093     | 5203    | 10  | 0        |
| 11        | 1.101   | 3.03          | 2.99    | 3.13    | 3.23    | 0.02     | 0.746      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 11  | 0        |
| 12        | 1.060   | 3.42          | 2.92    | 2.30    | 3.00    | 0.01     | 0.929      | 9.3          | 7.7       |         | 1.7  | 1.4               | 2.0  | 153      | 720  | 284        | 15.03   | 12.38   | 17.68   | 1353     | 6365    | 12  | 0        |
| 13        | 1.062   | 3.11          | 2.84    | 2.95    | 3.08    | 0.02     | 0.931      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 13  | 0        |
| 14        | 0.982   | 3.19          | 2.73    | 3.23    | 3.11    | 0.02     | 1.043      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 14  | 0        |
| 15        | 0.931   | 3.02          | 2.91    | 3.34    | 2.99    | 0.02     | 1.344      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 15  | 0        |
| 16        | 1.036   | 2.90          | 3.10    | 3.52    | 2.93    | 0.03     | 1.111      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 16  | 0.5      |
| 17        | 1.014   | 2.83          | 2.92    | 3.34    | 3.12    | 0.02     | 2.040      | 6.9          | 7.3       | 2       | 1.1  | 1.6               | 3.2  | 149      | 660  | 290        | 9.30    | 13.53   | 27.06   | 1260     | 5581    | 17  | 0        |
| 18        | 0.940   | 3.12          | 2.90    | 2.50    | 2.90    | 0.01     | 1.003      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 18  | 0.6      |
| 19        | 0.786   | 3.21          | 3.02    | 3.22    | 3.39    | 0.02     | 1.443      | 7.8          | 7.7       |         | 3.2  | 4.2               | 3.0  | 143      | 700  | 292        | 20.98   | 27.53   | 19.67   | 937      | 4589    | 19  | 0.35     |
| 20        | 1.004   | 3.01          | 3.14    | 3.53    | 3.73    | 0.04     | 1.080      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 20  | 0        |
| 21        | 0.967   | 3.32          | 3.21    | 3.61    | 3.61    | 0.02     | 1.120      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 21  | 0        |
| 22        | 0.960   | 3.03          | 3.09    | 3.34    | 3.40    | 0.03     | 0.873      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 22  | 0        |
| 23        | 0.989   | 2.90          | 2.92    | 3.11    | 3.41    | 0.01     | 0.977      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 23  | 0        |
| 24        | 0.887   | 3.11          | 2.80    | 2.93    | 3.22    | 0.02     | 1.056      | 6.6          | 7.1       | 4       | 1.6  | 0.9               | 3.4  | 89       | 520  | 144        | 11.84   | 6.66    | 25.15   | 658      | 3847    | 24  | 0        |
| 25        | 0.886   | 3.00          | 2.98    | 3.14    | 2.93    | 0.03     | 0.947      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 25  | 0        |
| 26        | 0.906   | 2.72          | 3.14    | 3.02    | 2.80    | 0.01     | 0.751      | 7.1          | 7.7       |         | 1.3  | 0.4               | 3.0  | 81       | 508  | 310        | 9.82    | 3.02    | 22.67   | 612      | 3838    | 26  | 0        |
| 27        | 0.742   | 2.91          | 2.92    | 2.91    | 2.48    | 0.04     | 0.823      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 27  | 0        |
| 28        | 0.778   | 2.82          | 3.32    | 3.12    | 2.60    | 0.03     | 0.965      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 28  | 0        |
| 29        | 0.742   | 3.02          | 3.22    | 3.12    | 2.70    | 0.03     | 1.374      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 29  | 0.2      |
| 30        | 0.742   | 3.12          | 2.54    | 3.02    | 2.60    | 0.03     | 0.691      |              |           |         |      |                   |      |          |      |            |         |         |         |          |         | 30  | 0        |
| 31        | 0.742   | 2.92          | 2.63    | 3.12    | 2.70    | 0.03     | 1.030      | 6.8          | 7.7       | 2       | 2.2  | 2.9               | 3.0  | 148      | 652  | 284        | 13.61   | 17.95   | 18.56   | 916      | 4035    | 31  | 0        |

|     |       |      |  |  |  |      |       |     |     |   |       |       |       |      |      |  |       |       |       |      |      |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|---|-------|-------|-------|------|------|--|-------|-------|-------|------|------|------|
|     |       |      |  |  |  |      |       |     |     |   | 14.43 | 11.76 | 25.92 | 1043 | 5044 |  |       |       |       |      |      |      |
| AVG | 1.027 |      |  |  |  |      | 1.068 |     |     | 3 | 1.87  | 1.58  | 3.26  | 131  | 635  |  |       |       |       |      |      |      |
| MIN | 0.742 | 2.30 |  |  |  |      | 0.691 | 6.6 | 7.1 | 2 | 1.1   | 0.4   | 2.0   | 81   | 508  |  | 9.30  | 3.02  | 17.68 | 612  | 3838 | 0.00 |
| MAX | 1.101 | 3.80 |  |  |  | 0.04 | 2.040 |     | 7.9 | 8 | 3.2   | 4.2   | 4.9   | 153  | 720  |  | 24.11 | 27.53 | 43.97 | 1353 | 6365 | 0.90 |

2-Hour Peak Flow,  
<5,000 GPM:

1,215

Reading 8/1/2021 955846

Reading 9/1/2021 987676

# of days 31

Daily Average Flow= 1.02677

Monthly

01/21 0.905

04/21 0.998

07/21 1.065

10/20 0.868

Average

02/21 1.078

05/21 1.108

08/21 1.027

11/20 0.882

Flows

03/21 0.963

06/21 1.056

09/20 0.936

12/20 0.908

Annual Average Flow: 0.983

Total 2.55

Annual Average Flow: 0.982 MGD

Capacity: 57%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

September 2021

| TX0124907 |         | Grab Samples  |         |         |         |          |            |      | Grab Samples |         | Composite Samples |       |      |          |      |            |         |         |         |          |         |     |          |  |  |  |
|-----------|---------|---------------|---------|---------|---------|----------|------------|------|--------------|---------|-------------------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|--|--|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO   | pH           | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |  |  |  |
|           | Flow    | >1.0          |         |         |         | <0.1     | 1.800      | mg/L | S.U.         | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |  |  |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0  | 6.5 - 9.0    | 63      | 15                | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |  |  |  |
| 1         | 0.742   | 3.12          | 2.78    | 3.22    | 2.60    | 0.03     | 0.970      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 1   | 0        |  |  |  |
| 2         | 0.742   | 2.92          | 3.12    | 3.32    | 2.90    | 0.03     | 0.968      | 7.4  | 7.7          |         | 1.2               | 3.5   | 2.0  | 142      | 656  | 304        | 7.43    | 21.66   | 12.38   | 879      | 4060    | 2   | 0        |  |  |  |
| 3         | 0.742   | 2.22          | 2.35    | 2.62    | 2.40    | 0.03     | 0.718      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 3   | 0.25     |  |  |  |
| 4         | 0.821   | 3.13          | 2.93    | 3.11    | 2.72    | 0.02     | 0.913      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 4   | 0.5      |  |  |  |
| 5         | 0.806   | 2.90          | 3.12    | 2.93    | 2.51    | 0.03     | 0.926      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 5   | 0        |  |  |  |
| 6         | 0.753   | 2.52          | 2.74    | 2.73    | 2.61    | 0.03     | 1.322      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 6   | 0        |  |  |  |
| 7         | 0.899   | 2.60          | 2.99    | 2.90    | 2.98    | 0.04     | 0.935      | 7.2  | 7.7          | 2       | 2.2               | 3.0   | 3.9  | 148      | 660  | 286        | 16.49   | 22.49   | 29.24   | 1110     | 4948    | 7   | 0        |  |  |  |
| 8         | 0.812   | 2.72          | 2.91    | 3.03    | 2.78    | 0.03     | 0.787      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 8   | 0        |  |  |  |
| 9         | 0.704   | 2.91          | 2.82    | 2.81    | 2.92    | 0.02     | 0.760      | 7.9  | 7.8          |         | 1.9               | 1.5   | 4.1  | 103      | 532  | 300        | 11.16   | 8.81    | 24.07   | 605      | 3124    | 9   | 0        |  |  |  |
| 10        | 0.749   | 3.14          | 2.93    | 2.92    | 3.01    | 0.03     | 0.859      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 10  | 0        |  |  |  |
| 11        | 0.708   | 3.02          | 2.74    | 2.99    | 2.70    | 0.02     | 0.856      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 11  | 0        |  |  |  |
| 12        | 0.731   | 2.81          | 3.02    | 2.91    | 2.83    | 0.03     | 1.069      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 12  | 0        |  |  |  |
| 13        | 0.807   | 2.90          | 3.11    | 3.13    | 2.91    | 0.04     | 1.115      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 13  | 0.2      |  |  |  |
| 14        | 1.153   | 2.53          | 2.83    | 2.95    | 2.59    | 0.02     | 0.840      | 8.0  | 7.1          | 2       | 1.4               | 0.4   | 3.4  | 91       | 480  | 316        | 13.46   | 3.85    | 32.69   | 875      | 4616    | 14  | 3        |  |  |  |
| 15        | 0.784   | 3.01          | 3.11    | 3.73    | 3.70    | 0.07     | 1.110      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 15  | 1        |  |  |  |
| 16        | 0.775   | 3.42          | 3.60    | 3.32    | 3.38    | 0.04     | 0.730      | 8.7  | 7.6          |         | 1.0               | 0.1   | 2.1  | 73       | 476  | 312        | 6.46    | 0.65    | 13.57   | 472      | 3077    | 16  | 0        |  |  |  |
| 17        | 0.744   | 2.90          | 2.84    | 3.04    | 3.11    | 0.01     | 0.850      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 17  | 0        |  |  |  |
| 18        | 0.752   | 3.00          | 2.93    | 3.13    | 3.11    | 0.01     | 0.950      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 18  | 0        |  |  |  |
| 19        | 0.706   | 3.11          | 2.93    | 3.13    | 3.11    | 0.01     | 1.100      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 19  | 0.5      |  |  |  |
| 20        | 0.812   | 2.89          | 3.15    | 2.91    | 3.29    | 0.08     | 0.920      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 20  | 0        |  |  |  |
| 21        | 0.789   | 3.02          | 2.72    | 3.02    | 2.93    | 0.01     | 0.900      | 7.5  | 7.5          | 24      | 4.6               | 0.7   | 2.8  | 91       | 500  | 284        | 30.27   | 4.61    | 18.42   | 599      | 3290    | 21  | 0        |  |  |  |
| 22        | 0.755   | 2.95          | 2.94    | 3.65    | 3.35    | 0.05     | 1.010      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 22  | 0        |  |  |  |
| 23        | 0.775   | 3.13          | 3.15    | 3.43    | 3.04    | 0.02     | 0.780      | 7.0  | 8.1          |         | 3.6               | 1.1   | 2.0  | 92       | 492  | 120        | 23.27   | 7.11    | 12.93   | 595      | 3180    | 23  | 0        |  |  |  |
| 24        | 0.694   | 3.05          | 3.06    | 3.35    | 2.92    | 0.01     | 1.220      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 24  | 0        |  |  |  |
| 25        | 0.702   | 2.84          | 2.95    | 3.33    | 2.93    | 0.02     | 0.760      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 25  | 0        |  |  |  |
| 26        | 0.720   | 3.03          | 3.13    | 3.42    | 3.14    | 0.02     | 0.820      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 26  | 0        |  |  |  |
| 27        | 0.798   | 2.96          | 2.93    | 3.51    | 3.01    | 0.01     | 0.870      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 27  | 0        |  |  |  |
| 28        | 0.799   | 2.94          | 3.21    | 3.30    | 3.09    | 0.00     | 1.510      | 7.2  | 7.7          | 15      | 1.9               | 0.5   | 2.7  | 94       | 572  | 128        | 12.66   | 3.33    | 17.99   | 626      | 3812    | 28  | 0        |  |  |  |
| 29        | 0.828   | 3.12          | 3.03    | 3.12    | 2.91    | 0.01     | 1.040      |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 29  | 2.5      |  |  |  |
| 30        | 0.956   | 3.19          | 2.82    | 2.91    | 2.93    | 0.01     | 1.140      | 7.1  | 7.5          |         | 3.7               | 0.5   | 2.4  | 92       | 504  | 304        | 29.50   | 3.99    | 19.14   | 734      | 4018    | 30  | 1        |  |  |  |
| 31        |         |               |         |         |         |          |            |      |              |         |                   |       |      |          |      |            |         |         |         |          |         | 31  |          |  |  |  |

|     |       |      |  |  |  |      |       |     |     |    |       |      |       |     |      |  |       |       |       |      |      |  |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|----|-------|------|-------|-----|------|--|-------|-------|-------|------|------|--|------|
|     |       |      |  |  |  |      |       |     |     |    | 16.74 | 8.50 | 20.05 | 721 | 3792 |  |       |       |       |      |      |  |      |
| AVG | 0.965 |      |  |  |  |      | 0.958 |     |     | 6  | 2.39  | 1.26 | 2.82  | 103 | 541  |  |       |       |       |      |      |  |      |
| MIN | 0.694 | 2.22 |  |  |  |      | 0.718 | 7.0 | 7.1 | 2  | 1.0   | 0.1  | 2.0   | 73  | 476  |  | 6.46  | 0.65  | 12.38 | 472  | 3077 |  | 0.00 |
| MAX | 1.153 | 3.73 |  |  |  | 0.08 | 1.510 |     | 8.1 | 24 | 4.6   | 3.5  | 4.1   | 148 | 660  |  | 30.27 | 22.49 | 32.69 | 1110 | 4948 |  | 3.00 |

2-Hour Peak Flow,  
<5,000 GPM:

1,118

Reading 9/1/2021 987676

Reading 10/1/2021 1016630

# of days 30

Daily Average Flow= 0.965

Monthly Average Flows

01/21 0.905

02/21 1.078

03/21 0.963

04/21 0.998

05/21 1.108

06/21 1.056

07/21 1.065

08/21 1.027

09/21 0.965

10/20 0.868

11/20 0.882

12/20 0.908

Annual Average Flow:

0.985

Reading 10/1/2020 657238

Reading 10/1/2021 1016630

Annual Average Flow: 0.985 MGD

Capacity: 64%

Total 8.95

Flow meter rolled over 9/14/21

Flow meter working correctly.

Birdnest not allowing 7 intergers.



HC387 Special WWTP Flow Report

| Day        |                     | HC 387 WWTP01<br>Log | HC 387 WWTP01<br>Log | HC 387 WWTP02<br>Log | HC 387 WWTP02<br>Log | HC 387 WWTP03<br>Log | HC 387 WWTP03<br>Log | HC 387 WWTP04<br>Log | HC 387 WWTP04<br>Log |
|------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|            | Total Flow<br>(MGD) | WWTP 1<br>Flow Meter | WWTP 1<br>Daily Flow | WWTP 2<br>Flow Meter | WWTP 2<br>Daily Flow | WWTP 3<br>Flow Meter | WWTP 3<br>Daily Flow | WWTP 4<br>Flow Meter | WWTP 4<br>Daily Flow |
| 09/01/2021 | 0.826               | 191254               | 0.149                | 559880               | 0.204                | 581985               | 0.163                | 147073               | 0.310                |
| 09/02/2021 | 0.828               | 191403               | 0.173                | 560084               | 0.172                | 582148               | 0.142                | 147383               | 0.341                |
| 09/03/2021 | 0.614               | 191576               | 0.129                | 560256               | 0.143                | 582290               | 0.101                | 147724               | 0.241                |
| 09/04/2021 | 0.768               | 191705               | 0.158                | 560399               | 0.178                | 582391               | 0.121                | 147965               | 0.311                |
| 09/05/2021 | 0.775               | 191863               | 0.159                | 560577               | 0.178                | 582512               | 0.121                | 148276               | 0.317                |
| 09/06/2021 | 1.112               | 192022               | 0.226                | 560755               | 0.253                | 582633               | 0.191                | 148593               | 0.442                |
| 09/07/2021 | 0.811               | 192248               | 0.165                | 561008               | 0.206                | 582824               | 0.138                | 149035               | 0.302                |
| 09/08/2021 | 0.647               | 192413               | 0.138                | 561214               | 0.126                | 582962               | 0.125                | 149337               | 0.258                |
| 09/09/2021 | 0.671               | 192551               | 0.134                | 561340               | 0.172                | 583087               | 0.119                | 149595               | 0.246                |
| 09/10/2021 | 0.734               | 192685               | 0.144                | 561512               | 0.167                | 583206               | 0.131                | 149841               | 0.292                |
| 09/11/2021 | 0.755               | 192829               | 0.150                | 561679               | 0.166                | 583337               | 0.150                | 150133               | 0.289                |
| 09/12/2021 | 0.959               | 192979               | 0.188                | 561845               | 0.204                | 583487               | 0.203                | 150422               | 0.364                |
| 09/13/2021 | 1.371               | 193167               | 0.264                | 562049               | 0.417                | 583690               | 0.258                | 150786               | 0.432                |
| 09/14/2021 | 0.812               | 193431               | 0.205                | 562466               | 0.171                | 583948               | 0.156                | 151218               | 0.280                |
| 09/15/2021 | 0.871               | 193636               | 0.185                | 562637               | 0.123                | 584104               | 0.190                | 151498               | 0.373                |
| 09/16/2021 | 0.646               | 193821               | 0.173                | 562760               | 0.116                | 584294               | 0.124                | 151871               | 0.233                |
| 09/17/2021 | 0.669               | 193994               | 0.122                | 562876               | 0.125                | 584418               | 0.140                | 152104               | 0.282                |
| 09/18/2021 | 0.824               | 194116               | 0.172                | 563001               | 0.173                | 584558               | 0.163                | 152386               | 0.316                |
| 09/19/2021 | 0.954               | 194288               | 0.193                | 563174               | 0.196                | 584721               | 0.196                | 152702               | 0.369                |
| 09/20/2021 | 0.821               | 194481               | 0.176                | 563370               | 0.170                | 584917               | 0.169                | 153071               | 0.306                |
| 09/21/2021 | 0.777               | 194657               | 0.142                | 563540               | 0.167                | 585086               | 0.167                | 153377               | 0.301                |
| 09/22/2021 | 0.918               | 194799               | 0.152                | 563707               | 0.188                | 585253               | 0.243                | 153678               | 0.335                |
| 09/23/2021 | 0.641               | 194951               | 0.121                | 563895               | 0.126                | 585496               | 0.171                | 154013               | 0.223                |
| 09/24/2021 | 1.035               | 195072               | 0.187                | 564021               | 0.195                | 585667               | 0.276                | 154236               | 0.377                |
| 09/25/2021 | 0.660               | 195259               | 0.133                | 564216               | 0.134                | 585943               | 0.147                | 154613               | 0.246                |
| 09/26/2021 | 0.734               | 195392               | 0.163                | 564350               | 0.147                | 586090               | 0.168                | 154859               | 0.256                |
| 09/27/2021 | 1.018               | 195555               | 0.284                | 564497               | 0.197                | 586258               | 0.222                | 155115               | 0.315                |
| 09/28/2021 | 1.247               | 195839               | 0.231                | 564694               | 0.234                | 586480               | 0.417                | 155430               | 0.365                |
| 09/29/2021 | 0.828               | 196070               | 0.182                | 564928               | 0.192                | 586897               | 0.156                | 155795               | 0.298                |
| 09/30/2021 | 1.164               | 196252               | 0.213                | 565120               | 0.275                | 587053               | 0.342                | 156093               | 0.334                |
| 10/01/2021 |                     | 196465               |                      | 565395               |                      | 587395               |                      | 156427               |                      |
| Max        | 1.371               |                      | 0.284                |                      | 0.417                |                      | 0.417                |                      | 0.442                |
| Min        | 0.614               |                      | 0.121                |                      | 0.116                |                      | 0.101                |                      | 0.223                |
| Avg        | 0.850               |                      | 0.174                |                      | 0.184                |                      | 0.180                |                      | 0.312                |
| Sum        | 25.490              |                      | 5.211                |                      | 5.515                |                      | 5.410                |                      | 9.354                |
| Count      | 31                  | 31                   | 31                   | 31                   | 31                   | 31                   | 31                   | 31                   | 31                   |
| Scale      |                     | 1                    | 0.001                | 1                    | 0.001                | 1                    | 0.001                | 1                    | 0.001                |

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

October 2021

| TX0124907 |         | Grab Samples  |         |         |         |       |            | Grab Samples |           |      | Composite Samples |      |       |        |          |      |            |         |         |         |          |         |      |          |
|-----------|---------|---------------|---------|---------|---------|-------|------------|--------------|-----------|------|-------------------|------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD     | DO        | pH   | E. coli           | TSS  | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |
|           | Flow    | >1.0          |         |         |         |       | <0.1       | 1.800        | mg/L      | S.U. | CFU/ml            | mg/l | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0          | 6.5 - 9.0 | 63   | 15                | 3    | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |
| 1         | 0.810   | 3.03          | 2.91    | 3.09    | 3.10    | 0.00  | 0.810      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 1       | 2    |          |
| 2         | 0.990   | 2.91          | 3.03    | 3.01    | 3.01    | 0.00  | 0.990      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 2       | 1.5  |          |
| 3         | 1.050   | 3.14          | 2.91    | 2.93    | 2.92    | 0.02  | 1.050      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 3       | 1    |          |
| 4         | 1.000   | 2.93          | 3.13    | 3.11    | 3.19    | 0.07  | 1.000      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 4       | 0    |          |
| 5         | 0.870   | 3.02          | 3.44    | 3.00    | 3.03    | 0.06  | 0.870      | 7.1          | 7.3       | 6    | 1.5               | 0.6  | 2.5   | 86     | 464      | 280  | 10.88      | 4.35    | 18.14   | 624     | 3367     | 5       | 0    |          |
| 6         | 0.660   | 3.25          | 2.99    | 2.92    | 3.35    | 0.01  | 0.660      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 6       | 0    |          |
| 7         | 0.960   | 3.06          | 3.10    | 3.23    | 3.17    | 0.02  | 0.960      | 7.4          | 7.5       |      | 2.7               | 3.0  | 3.6   | 144    | 716      | 280  | 21.62      | 24.02   | 28.82   | 1153    | 5733     | 7       | 0    |          |
| 8         | 0.800   | 2.95          | 2.92    | 3.41    | 3.05    | 0.02  | 0.800      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 8       | 0    |          |
| 9         | 0.850   | 2.84          | 3.01    | 3.12    | 3.23    | 0.01  | 0.850      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 9       | 0    |          |
| 10        | 0.970   | 3.03          | 3.02    | 3.21    | 2.94    | 0.02  | 0.970      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 10      | 0    |          |
| 11        | 1.170   | 3.21          | 3.14    | 3.33    | 3.12    | 0.03  | 1.170      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 11      | 1.5  |          |
| 12        | 0.580   | 3.15          | 2.95    | 3.04    | 3.40    | 0.01  | 0.580      | 7.0          | 7.3       |      | 4.9               | 1.0  | 3.4   | 90     | 532      | 294  | 23.70      | 4.84    | 16.45   | 435     | 2573     | 12      | 0    |          |
| 13        | 1.030   | 3.04          | 3.03    | 2.92    | 3.02    | 0.02  | 1.030      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 13      | 0    |          |
| 14        | 1.040   | 3.14          | 2.81    | 2.95    | 3.21    | 0.01  | 1.040      | 6.4          | 7.4       | 4839 | 6.4               | 0.8  | 2.8   | 87     | 436      | 286  | 55.51      | 6.94    | 24.29   | 755     | 3782     | 14      | 0.75 |          |
| 15        | 0.810   | 2.92          | 3.20    | 3.11    | 3.49    | 0.03  | 0.810      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 15      | 0    |          |
| 16        | 0.840   | 3.33          | 3.13    | 3.52    | 3.41    | 0.01  | 0.840      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 16      | 0    |          |
| 17        | 1.070   | 3.23          | 3.32    | 3.31    | 3.42    | 0.02  | 1.070      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 17      | 0    |          |
| 18        | 0.870   | 3.01          | 3.44    | 3.23    | 3.60    | 0.02  | 0.870      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 18      | 0    |          |
| 19        | 0.880   | 1.96          | 2.02    | 3.05    | 3.38    | 0.01  | 0.880      | 7.2          | 7.5       | 2    | 1.5               | 0.3  | 2.0   | 83     | 544      | 296  | 11.01      | 2.20    | 14.68   | 609     | 3993     | 19      | 0    |          |
| 20        | 1.050   | 4.30          | 2.61    | 3.92    | 4.49    | 0.01  | 1.050      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 20      | 0    |          |
| 21        | 0.890   | 4.42          | 2.90    | 4.10    | 4.27    | 0.01  | 0.890      | 6.0          | 7.4       |      | 5.2               | 1.1  | 3.5   | 117    | 664      | 292  | 38.60      | 8.16    | 25.98   | 868     | 4929     | 21      | 0    |          |
| 22        | 1.070   | 3.88          | 3.49    | 4.44    | 4.40    | 0.03  | 1.070      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 22      | 0    |          |
| 23        | 0.700   | 4.11          | 3.41    | 4.32    | 4.41    | 0.01  | 0.700      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 23      | 0.5  |          |
| 24        | 1.321   | 4.00          | 3.32    | 4.02    | 4.12    | 0.01  | 1.321      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 24      | 0    |          |
| 25        | 1.029   | 3.89          | 3.10    | 3.95    | 3.95    | 0.02  | 1.029      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 25      | 0    |          |
| 26        | 1.270   | 4.22          | 4.38    | 4.23    | 4.10    | 0.04  | 1.270      | 7.5          | 7.4       |      | 1.0               | 0.4  | 2.2   | 82     | 452      | 292  | 10.59      | 4.24    | 23.30   | 869     | 4787     | 26      | 0    |          |
| 27        | 1.000   | 4.00          | 3.99    | 3.90    | 4.02    | 0.01  | 1.000      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 27      | 1.5  |          |
| 28        | 1.040   | 3.83          | 3.91    | 3.87    | 3.91    | 0.02  | 1.040      | 9.2          | 7.7       |      | 2.5               | 0.9  | 3.0   | 78     | 492      | 288  | 21.68      | 7.81    | 26.02   | 677     | 4267     | 28      | 0    |          |
| 29        | 0.690   | 3.91          | 3.90    | 3.94    | 3.99    | 0.01  | 0.690      |              |           | 2020 |                   |      |       |        |          |      |            |         |         |         |          | 29      | 0    |          |
| 30        | 1.040   | 3.73          | 3.92    | 3.72    | 3.90    | 0.01  | 1.040      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 30      | 0    |          |
| 31        | 1.120   | 3.90          | 3.83    | 3.90    | 3.72    | 0.01  | 1.120      |              |           | 2    |                   |      |       |        |          |      |            |         |         |         |          | 31      | 0    |          |

|     |       |      |  |  |  |      |       |     |     |      |       |      |       |     |      |  |       |       |       |      |      |  |
|-----|-------|------|--|--|--|------|-------|-----|-----|------|-------|------|-------|-----|------|--|-------|-------|-------|------|------|--|
|     |       |      |  |  |  |      |       |     |     |      | 24.20 | 7.82 | 22.21 | 749 | 4179 |  |       |       |       |      |      |  |
| AVG | 0.951 |      |  |  |  |      | 0.951 |     |     | 47   | 3.21  | 1.01 | 2.88  | 96  | 538  |  |       |       |       |      |      |  |
| MIN | 0.580 | 1.96 |  |  |  |      | 0.580 | 6.0 | 7.3 | 2    | 1.0   | 0.3  | 2.0   | 78  | 436  |  | 10.59 | 2.20  | 14.68 | 435  | 2573 |  |
| MAX | 1.321 | 4.49 |  |  |  | 0.07 | 1.321 |     | 7.7 | 4839 | 6.4   | 3.0  | 3.6   | 144 | 716  |  | 55.51 | 24.02 | 28.82 | 1153 | 5733 |  |

|      |
|------|
|      |
|      |
| 0.00 |
| 2.00 |

2-Hour Peak Flow,  
<5,000 GPM:  
  
1,215

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/21 | 0.905 | 04/21 | 0.998 | 07/21 | 1.065 | 10/21 | 0.951 |
|                             | 02/21 | 1.078 | 05/21 | 1.108 | 08/21 | 1.027 | 11/20 | 0.882 |
|                             | 03/21 | 0.963 | 06/21 | 1.056 | 09/21 | 0.965 | 12/20 | 0.908 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.992 |       |

Total 8.75

Reading 10/1/2021 1016630  
Reading 11/1/2021 1046100  
# of days 31  
Daily Average Flow= 0.951

Reading 11/1/2020 684152  
Reading 11/1/2021 1046100  
Total  
Annual Average Flow: 0.992 MGD  
Capacity: 0%

Used total flow for loading as 24 flow reads were reading  
140 gpm lower.

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

November 2021

| TX0124907 |         | Grab Samples  |         |         |         |          | Grab Samples |      |           | Composite Samples |      |       |      |          |      |            |         |         |         |          |         |          |        |
|-----------|---------|---------------|---------|---------|---------|----------|--------------|------|-----------|-------------------|------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|----------|--------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD     | DO   | pH        | E. coli           | TSS  | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     | Rainfall |        |
|           | Flow    | >1.0          |         |         |         | <0.1     | 1.800        | mg/L | S.U.      | CFU/ml            | mg/l | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |          | Inches |
| Permit    | MGD     | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow   | 4.0  | 6.5 - 9.0 | 63                | 15   | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day      |        |
| 1         | 0.710   | 2.92          | 4.15    | 4.18    | 4.21    | 0.00     | 1.350        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 1        | 0      |
| 2         | 0.952   | 3.24          | 2.70    | 3.22    | 1.55    | 0.00     | 1.070        | 7.2  | 7.0       | 2                 | 2.7  | 0.9   | 3.3  | 132      | 664  | 300        | 21.44   | 7.15    | 26.20   | 1048     | 5272    | 2        | 0      |
| 3         | 0.935   | 3.45          | 3.13    | 3.61    | 1.93    | 0.01     | 1.020        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 3        | 0      |
| 4         | 0.936   | 3.43          | 3.35    | 3.53    | 4.12    | 0.01     | 1.240        | 9.0  | 7.6       |                   | 5.9  | 0.2   | 2.5  | 86       | 508  | 296        | 46.06   | 1.56    | 19.52   | 671      | 3966    | 4        | 1      |
| 5         | 1.015   | 3.91          | 3.23    | 4.42    | 4.41    | 0.02     | 0.680        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 5        | 0      |
| 6         | 0.799   | 3.52          | 3.34    | 3.79    | 3.80    | 0.02     | 1.090        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 6        | 0      |
| 7         | 0.758   | 3.71          | 3.12    | 3.70    | 3.92    | 0.01     | 1.120        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 7        | 0      |
| 8         | 0.877   | 4.10          | 3.55    | 3.81    | 4.01    | 0.03     | 1.040        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 8        | 0      |
| 9         | 0.951   | 3.91          | 4.23    | 4.43    | 4.44    | 0.04     | 1.060        | 7.7  | 7.5       | 8                 | 1.8  | 0.3   | 2.0  | 85       | 488  | 112        | 14.28   | 2.38    | 15.86   | 674      | 3870    | 9        | 0      |
| 10        | 0.907   | 4.33          | 4.01    | 4.22    | 4.26    | 0.02     | 1.150        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 10       | 0      |
| 11        | 0.972   | 4.11          | 4.42    | 4.30    | 4.45    | 0.03     | 1.290        | 8.5  | 7.7       |                   | 2.1  | 0.4   | 2.0  | 112      | 488  | 310        | 17.02   | 3.24    | 16.21   | 908      | 3956    | 11       | 1      |
| 12        | 0.914   | 4.00          | 4.10    | 4.14    | 4.45    | 0.01     | 0.820        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 12       | 0      |
| 13        | 0.664   | 3.90          | 3.90    | 4.04    | 4.14    | 0.02     | 0.860        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 13       | 0      |
| 14        | 0.649   | 3.90          | 4.00    | 4.13    | 4.22    | 0.02     | 1.080        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 14       | 0      |
| 15        | 0.831   | 2.30          | 2.83    | 3.86    | 3.73    | 0.01     | 0.800        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 15       | 0      |
| 16        | 0.771   | 3.31          | 3.56    | 3.92    | 3.81    | 0.02     | 1.070        | 7.8  | 7.5       | 10                | 1.4  | 0.2   | 2.0  | 104      | 500  | 306        | 9.00    | 1.29    | 12.86   | 669      | 3215    | 16       | 0      |
| 17        | 0.886   | 3.42          | 3.12    | 3.91    | 3.93    | 0.01     | 0.670        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 17       | 0      |
| 18        | 0.712   | 3.13          | 3.41    | 3.94    | 3.89    | 0.01     | 0.770        | 8.5  | 7.5       |                   | 2.9  | 0.1   | 2.0  | 144      | 792  | 260        | 17.22   | 0.59    | 11.88   | 855      | 4703    | 18       | 0      |
| 19        | 0.680   | 3.51          | 3.23    | 3.92    | 3.89    | 0.01     | 0.880        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 19       | 0      |
| 20        | 0.726   | 3.31          | 3.33    | 3.92    | 3.89    | 0.01     | 0.810        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 20       | 0      |
| 21        | 0.761   | 3.21          | 3.43    | 3.93    | 3.90    | 0.01     | 0.560        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 21       | 0      |
| 22        | 0.818   | 3.60          | 3.61    | 4.14    | 4.18    | 0.03     | 1.080        | 8.5  | 7.7       |                   | 2.8  | 0.8   | 2.7  | 84       | 512  | 312        | 19.10   | 5.46    | 18.42   | 573      | 3493    | 22       | 0      |
| 23        | 0.821   | 3.42          | 3.91    | 4.07    | 4.01    | 0.01     | 0.760        | 8.3  | 7.5       | 2                 | 2.8  | 0.2   | 2.5  | 73       | 468  | 306        | 19.17   | 1.37    | 17.12   | 500      | 3204    | 23       | 0      |
| 24        | 0.789   | 3.51          | 3.80    | 4.19    | 4.28    | 0.02     | 0.690        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 24       | 0      |
| 25        | 0.850   | 3.60          | 4.01    | 4.31    | 4.09    | 0.01     | 0.950        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 25       | 0      |
| 26        | 0.870   | 3.68          | 3.89    | 3.98    | 3.92    | 0.02     | 0.750        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 26       | 0      |
| 27        | 0.985   | 3.80          | 3.62    | 3.92    | 4.01    | 0.01     | 0.830        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 27       | 0      |
| 28        | 0.745   | 3.83          | 3.81    | 3.73    | 3.80    | 0.03     | 1.250        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 28       | 1      |
| 29        | 0.822   | 3.61          | 4.00    | 4.21    | 4.08    | 0.02     | 0.860        |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 29       | 0      |
| 30        | 0.888   | 3.69          | 3.74    | 4.09    | 3.89    | 0.01     | 0.850        | 7.0  | 7.3       | 2                 | 1.0  | 0.7   | 2.0  | 75       | 468  | 292        | 7.41    | 5.18    | 14.81   | 555      | 3466    | 30       | 0      |
| 31        |         |               |         |         |         |          |              |      |           |                   |      |       |      |          |      |            |         |         |         |          |         | 31       |        |

|     |       |      |  |  |  |      |       |     |     |    |       |      |       |     |      |  |       |      |       |      |      |  |      |
|-----|-------|------|--|--|--|------|-------|-----|-----|----|-------|------|-------|-----|------|--|-------|------|-------|------|------|--|------|
|     |       |      |  |  |  |      |       |     |     |    | 18.97 | 3.14 | 16.99 | 717 | 3905 |  |       |      |       |      |      |  |      |
| AVG | 0.948 |      |  |  |  |      | 0.948 |     |     | 4  | 2.60  | 0.42 | 2.33  | 99  | 543  |  |       |      |       |      |      |  |      |
| MIN | 0.649 | 1.55 |  |  |  |      | 0.560 | 7.0 | 7.0 | 2  | 1.0   | 0.1  | 2.0   | 73  | 468  |  | 7.41  | 0.59 | 11.88 | 500  | 3204 |  | 0.00 |
| MAX | 1.015 | 4.45 |  |  |  | 0.04 | 1.350 |     | 7.7 | 10 | 5.9   | 0.9  | 3.3   | 144 | 792  |  | 46.06 | 7.15 | 26.20 | 1048 | 5272 |  | 1.00 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,215                            |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/21 | 0.905 | 04/21 | 0.998 | 07/21 | 1.065 | 10/21 | 0.951 |
|                             | 02/21 | 1.078 | 05/21 | 1.108 | 08/21 | 1.027 | 11/21 | 0.948 |
|                             | 03/21 | 0.963 | 06/21 | 1.056 | 09/21 | 0.965 | 12/20 | 0.908 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.998 |       |

Total 3

Reading 11/1/2021 1046100  
Reading 12/1/2021 1074550  
# of days 30  
Daily Average Flow= 0.94833

Reading 12/1/2020 710608  
Reading 12/1/2021 1074550  
Total  
Annual Average Flow: 0.997 MGD  
Capacity: 53%



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

December

2021

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |      |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |  |
| 1         | 0.903   | 3.80          | 3.92    | 3.92    | 3.81    | 0.03  | 0.580      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 1       | 0    |          |  |
| 2         | 0.873   | 3.90          | 4.01    | 3.80    | 4.02    | 0.04  | 1.110      | 9.1      | 7.8          |      | 2.2     | 2.0               | 2.5   | 77     | 616      | 312  | 16.02      | 14.56   | 18.20   | 561     | 4485     | 2       | 0    |          |  |
| 3         | 0.867   | 3.82          | 3.92    | 3.93    | 3.90    | 0.03  | 0.700      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 3       | 0    |          |  |
| 4         | 0.669   | 3.71          | 4.01    | 4.02    | 4.01    | 0.03  | 0.940      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 4       | 0    |          |  |
| 5         | 0.719   | 4.03          | 3.93    | 3.91    | 3.94    | 0.03  | 1.130      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0    |          |  |
| 6         | 0.897   | 3.90          | 3.82    | 3.83    | 3.73    | 0.02  | 0.630      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       | 0    |          |  |
| 7         | 0.913   | 3.92          | 3.93    | 3.81    | 3.91    | 0.02  | 1.110      | 7.1      | 7.4          | 13   | 1.0     | 1.4               | 2.0   | 85     | 632      | 302  | 7.61       | 10.66   | 15.23   | 647     | 4812     | 7       | 0    |          |  |
| 8         | 0.964   | 3.73          | 4.01    | 4.04    | 3.79    | 0.02  | 0.900      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 8       | 0    |          |  |
| 9         | 0.853   | 3.90          | 3.91    | 3.82    | 3.70    | 0.02  | 1.000      | 8.6      | 7.9          |      | 1.2     | 2.2               | 2.0   | 82     | 524      | 306  | 8.54       | 15.65   | 14.23   | 583     | 3728     | 9       | 0    |          |  |
| 10        | 0.876   | 4.12          | 4.03    | 3.90    | 3.81    | 0.01  | 0.780      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 10      | 0    |          |  |
| 11        | 0.955   | 3.91          | 4.12    | 4.09    | 3.90    | 0.02  | 0.730      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 11      | 0.5  |          |  |
| 12        | 0.805   | 3.90          | 4.01    | 3.90    | 3.83    | 0.03  | 1.010      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0    |          |  |
| 13        | 0.815   | 3.12          | 3.23    | 3.81    | 3.72    | 0.01  | 0.930      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0    |          |  |
| 14        | 0.810   | 3.41          | 3.42    | 3.92    | 3.84    | 0.02  | 0.900      | 7.8      | 7.4          | 2    | 5.6     | 0.8               | 2.1   | 70     | 640      | 116  | 37.83      | 5.40    | 14.19   | 473     | 4323     | 14      | 0    |          |  |
| 15        | 0.855   | 3.83          | 3.50    | 4.03    | 3.71    | 0.02  | 0.920      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 15      | 0    |          |  |
| 16        | 0.900   | 3.60          | 3.74    | 3.80    | 3.80    | 0.03  | 0.640      | 8.1      | 7.4          |      | 5.5     | 1.7               | 2.5   | 81     | 494      | 308  | 41.28      | 12.76   | 18.77   | 608     | 3708     | 16      | 0    |          |  |
| 17        | 0.927   | 3.82          | 3.82    | 3.91    | 4.00    | 0.02  | 1.230      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 17      | 0    |          |  |
| 18        | 1.045   | 3.62          | 3.52    | 4.01    | 3.90    | 0.02  | 1.150      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      | 1.25 |          |  |
| 19        | 0.641   | 3.72          | 3.73    | 3.91    | 4.02    | 0.02  | 0.770      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 0    |          |  |
| 20        | 0.792   | 3.85          | 3.84    | 3.82    | 3.91    | 0.03  | 0.740      | 9.1      | 7.5          |      | 5.6     | 2.4               | 4.9   | 87     | 536      | 305  | 36.99      | 15.85   | 32.37   | 575     | 3540     | 20      | 0    |          |  |
| 21        | 0.719   | 3.54          | 3.62    | 3.71    | 3.73    | 0.02  | 0.920      | 7.2      | 7.6          | 10   | 1.0     | 1.1               | 2.0   | 79     | 540      | 326  | 6.00       | 6.60    | 11.99   | 474     | 3238     | 21      | 0    |          |  |
| 22        | 0.760   | 3.93          | 4.01    | 3.93    | 3.82    | 0.03  | 0.940      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 22      | 0    |          |  |
| 23        | 0.795   | 3.82          | 3.83    | 3.70    | 3.91    | 0.02  | 1.020      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 23      | 0    |          |  |
| 24        | 0.822   | 3.61          | 3.52    | 3.92    | 3.73    | 0.03  | 1.080      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 24      | 0    |          |  |
| 25        | 0.817   | 3.94          | 3.73    | 3.71    | 3.92    | 0.02  | 1.020      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 25      | 0    |          |  |
| 26        | 0.704   | 3.73          | 3.91    | 3.82    | 3.53    | 0.03  | 0.900      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      | 0    |          |  |
| 27        | 0.719   | 3.82          | 3.82    | 3.61    | 3.74    | 0.04  | 1.140      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      | 0    |          |  |
| 28        | 0.820   | 3.64          | 3.74    | 3.83    | 3.82    | 0.07  | 1.080      | 6.8      | 7.2          | 2    | 1.0     | 1.7               | 2.2   | 77     | 524      | 326  | 6.84       | 11.63   | 15.05   | 527     | 3584     | 28      | 0    |          |  |
| 29        | 0.827   | 3.83          | 3.62    | 3.92    | 3.95    | 0.00  | 0.800      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 29      | 0    |          |  |
| 30        | 0.724   | 3.91          | 3.93    | 4.00    | 3.91    | 0.08  | 0.850      | 8.0      | 7.8          |      | 3.9     | 2.7               | 4.0   | 85     | 620      | 356  | 23.55      | 16.30   | 24.15   | 513     | 3744     | 30      | 0    |          |  |
| 31        | 0.833   | 3.72          | 3.81    | 3.91    | 3.73    | 0.07  | 1.000      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 31      | 0    |          |  |

|     |       |      |  |  |  |  |       |       |     |    |       |       |       |     |      |  |       |       |       |     |      |  |      |
|-----|-------|------|--|--|--|--|-------|-------|-----|----|-------|-------|-------|-----|------|--|-------|-------|-------|-----|------|--|------|
|     |       |      |  |  |  |  |       |       |     |    | 20.52 | 12.16 | 18.24 | 551 | 3907 |  |       |       |       |     |      |  |      |
| AVG | 0.924 |      |  |  |  |  | 0.924 |       |     | 5  | 3.00  | 1.78  | 2.69  | 80  | 570  |  |       |       |       |     |      |  |      |
| MIN | 0.641 | 3.12 |  |  |  |  | 0.580 | 6.8   | 7.2 | 2  | 1.0   | 0.8   | 2.0   | 70  | 494  |  | 6.00  | 5.40  | 11.99 | 473 | 3238 |  | 0.00 |
| MAX | 1.045 | 4.12 |  |  |  |  | 0.08  | 1.230 | 7.9 | 13 | 5.6   | 2.7   | 4.9   | 87  | 640  |  | 41.28 | 16.30 | 32.37 | 647 | 4812 |  | 1.25 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,701                            |

Reading 12/1/2021 1074550  
Reading 1/1/2022 1103200  
# of days 31  
Daily Average Flow= 0.924194

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/21 | 0.905 | 04/21 | 0.998 | 07/21 | 1.065 | 10/21 | 0.951 |
|                             | 02/21 | 1.078 | 05/21 | 1.108 | 08/21 | 1.027 | 11/21 | 0.948 |
|                             | 03/21 | 0.963 | 06/21 | 1.056 | 09/21 | 0.965 | 12/21 | 0.924 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.999 |       |

Reading 1/1/2021 738752  
Reading 1/1/2022 1103200  
Total  
Annual Average Flow: 0.998 MGD  
Capacity: 0%

Total 1.75

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM I PHASE

January 2022

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |      |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |  |
| 1         | 0.871   | 3.83          | 3.72    | 3.92    | 3.91    | 0.06  | 1.100      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 1       | 0    |          |  |
| 2         | 0.794   | 3.54          | 3.62    | 3.83    | 3.92    | 0.04  | 1.110      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 2       | 0    |          |  |
| 3         | 0.912   | 3.62          | 3.93    | 4.00    | 4.04    | 0.06  | 1.110      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 3       | 0    |          |  |
| 4         | 0.932   | 3.83          | 3.83    | 4.12    | 3.93    | 0.03  | 0.910      | 7.2      | 7.5          | 2    | 1.0     | 0.9               | 2.0   | 72     | 520      | 346  | 7.77       | 7.00    | 15.55   | 560     | 4042     | 4       | 0    |          |  |
| 5         | 0.853   | 3.94          | 3.75    | 3.94    | 3.95    | 0.01  | 0.840      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0    |          |  |
| 6         | 0.883   | 4.01          | 3.84    | 3.83    | 3.92    | 0.00  | 0.870      | 8.5      | 7.5          |      | 6.9     | 1.7               | 2.0   | 80     | 500      | 326  | 50.81      | 12.52   | 14.73   | 589     | 3682     | 6       | 0    |          |  |
| 7         | 0.708   | 3.92          | 3.91    | 4.01    | 4.11    | 0.00  | 0.720      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0    |          |  |
| 8         | 0.000   | 4.01          | 3.73    | 3.93    | 4.01    | 0.07  | 0.980      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 8       | 0    |          |  |
| 9         | 0.473   | 3.81          | 3.83    | 4.03    | 3.91    | 0.00  | 1.050      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 9       | 0.75 |          |  |
| 10        | 0.840   | 3.92          | 3.92    | 3.92    | 4.02    | 0.01  | 1.110      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 10      | 0    |          |  |
| 11        | 0.885   | 3.93          | 3.71    | 4.01    | 3.93    | 0.00  | 0.720      | 7.2      | 7.4          | 4    | 1.0     | 1.1               | 2.0   | 75     | 496      | 322  | 7.38       | 8.12    | 14.76   | 554     | 3661     | 11      | 0    |          |  |
| 12        | 0.825   | 4.02          | 3.82    | 4.12    | 3.92    | 0.02  | 1.180      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0    |          |  |
| 13        | 0.890   | 4.24          | 4.13    | 4.03    | 4.31    | 0.00  | 0.770      | 7.8      | 7.4          |      | 1.0     | 1.2               | 2.0   | 75     | 432      | 314  | 7.42       | 8.91    | 14.85   | 557     | 3207     | 13      | 0    |          |  |
| 14        | 0.828   | 4.11          | 4.02    | 4.21    | 4.09    | 0.00  | 1.190      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      | 0    |          |  |
| 15        | 0.723   | 3.92          | 4.12    | 4.11    | 4.19    | 0.00  | 0.580      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 15      | 0    |          |  |
| 16        | 0.384   | 4.03          | 3.94    | 3.92    | 4.01    | 0.00  | 1.130      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 16      | 0    |          |  |
| 17        | 0.823   | 4.03          | 4.03    | 4.04    | 4.30    | 0.00  | 1.030      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 17      | 0    |          |  |
| 18        | 0.994   | 3.94          | 3.81    | 3.93    | 4.11    | 0.01  | 0.890      | 6.7      | 7.3          | 2    | 2.2     | 2.5               | 2.2   | 83     | 504      | 318  | 18.24      | 20.72   | 18.24   | 688     | 4178     | 18      | 0    |          |  |
| 19        | 1.019   | 4.11          | 3.82    | 3.91    | 4.09    | 0.01  | 0.960      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 0    |          |  |
| 20        | 0.891   | 4.39          | 4.10    | 4.10    | 4.37    | 0.02  | 1.120      | 8.3      | 7.8          |      | 6.2     | 1.4               | 2.0   | 76     | 408      | 328  | 46.07      | 10.40   | 14.86   | 565     | 3032     | 20      | 3    |          |  |
| 21        | 0.945   | 4.10          | 3.92    | 3.92    | 4.05    | 0.01  | 0.530      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 21      | 0    |          |  |
| 22        | 0.942   | 4.02          | 4.01    | 4.00    | 4.01    | 0.01  | 0.910      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 22      | 0    |          |  |
| 23        | 0.939   | 3.93          | 3.81    | 3.81    | 3.92    | 0.03  | 0.923      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 23      | 0    |          |  |
| 24        | 0.931   | 3.51          | 4.10    | 4.20    | 4.11    | 0.01  | 1.297      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 24      | 0.25 |          |  |
| 25        | 1.007   | 4.40          | 4.32    | 4.39    | 4.50    | 0.00  | 1.000      | 7.1      | 7.4          | 2    | 2.0     | 0.7               | 2.0   | 73     | 504      | 330  | 16.80      | 5.88    | 16.80   | 613     | 4233     | 25      | 0.2  |          |  |
| 26        | 0.891   | 4.29          | 4.01    | 4.22    | 4.23    | 0.00  | 0.890      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      | 0    |          |  |
| 27        | 0.939   | 4.40          | 4.13    | 4.01    | 4.12    | 0.02  | 0.890      | 9.5      | 7.5          |      | 2.8     | 1.3               | 2.0   | 78     | 532      | 332  | 21.93      | 10.18   | 15.66   | 611     | 4166     | 27      | 0    |          |  |
| 28        | 0.909   | 4.12          | 4.35    | 4.20    | 3.97    | 0.01  | 0.590      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 28      | 0    |          |  |
| 29        | 0.942   | 3.81          | 3.92    | 3.81    | 3.89    | 0.02  | 0.900      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 29      | 0    |          |  |
| 30        | 0.893   | 3.79          | 3.71    | 3.82    | 3.83    | 0.02  | 1.210      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 30      | 0    |          |  |
| 31        | 0.927   | 3.90          | 3.80    | 4.00    | 4.01    | 0.00  | 1.150      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 31      | 0.25 |          |  |

| Average Lbs/ Day: |       |      |  |  |  |       |       |       |     |      | 22.05 | 10.47 | 15.68 | 592 | 3775 |  |       |       |       |     |      |      |
|-------------------|-------|------|--|--|--|-------|-------|-------|-----|------|-------|-------|-------|-----|------|--|-------|-------|-------|-----|------|------|
| AVG               | 0.957 |      |  |  |  | 0.957 |       |       | 2   | 2.89 | 1.35  | 2.03  | 77    | 487 |      |  |       |       |       |     |      |      |
| MIN               | 0.000 | 3.51 |  |  |  |       | 0.530 | 6.7   | 7.3 | 2    | 1.0   | 0.7   | 2.0   | 72  | 408  |  | 7.38  | 5.88  | 14.73 | 554 | 3032 | 0.00 |
| MAX               | 1.019 | 4.50 |  |  |  |       | 0.07  | 1.297 | 7.8 | 4    | 6.9   | 2.5   | 2.2   | 83  | 532  |  | 50.81 | 20.72 | 18.24 | 688 | 4233 | 3.00 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,263                            |

Reading 1/1/2022 1E+06  
Reading 2/1/2022 1E+06  
# of days 31  
Daily Average Flow= 0.9568 MGD

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/22 | 0.957 | 04/21 | 0.998 | 07/21 | 1.065 | 10/21 | 0.951 |
|                             | 02/21 | 1.078 | 05/21 | 1.108 | 08/21 | 1.027 | 11/21 | 0.948 |
|                             | 03/21 | 0.963 | 06/21 | 1.056 | 09/21 | 0.965 | 12/21 | 0.924 |
| Annual Average Flow:        |       |       |       |       |       |       | 1.003 |       |

Total 4.45

Reading 2/1/2021 766817  
Reading 2/1/2022 1E+06  
Total  
Annual Average Flow: 1.003 MGD  
Capacity: 53%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

February 2022

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |  |      |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|--|------|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |  |      | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |  |      | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |  |      |          |  |
| 1         | 1.061   | 3.88          | 3.99    | 3.89    | 4.10    | 0.00  | 0.880      | 6.9      | 7.3          | 2    | 1.0     | 1.3               | 2.2   | 80     | 460      | 318  | 8.85       | 11.50   | 19.47   | 708     | 4070     | 1       |  | 1    |          |  |
| 2         | 0.971   | 4.01          | 3.88    | 4.08    | 4.19    | 0.02  | 0.970      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 2       |  | 0    |          |  |
| 3         | 0.912   | 4.40          | 4.40    | 4.01    | 4.42    | 0.05  | 1.030      | 9.3      | 7.5          |      |         |                   |       |        |          |      |            |         |         |         |          | 3       |  | 1.15 |          |  |
| 4         | 0.997   | 4.19          | 4.12    | 4.20    | 4.23    | 0.04  | 0.740      | 9.6      | 7.6          |      | 43.3    | 3.1               | 12.4  | 157    | 684      | 300  | 360.04     | 25.78   | 103.11  | 1305    | 5687     | 4       |  | 0    |          |  |
| 5         | 0.975   | 4.10          | 3.91    | 4.02    | 4.34    | 0.06  | 1.140      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       |  | 0    |          |  |
| 6         | 0.993   | 3.91          | 4.00    | 3.93    | 4.11    | 0.03  | 1.240      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       |  | 0    |          |  |
| 7         | 0.999   | 4.00          | 4.09    | 4.01    | 4.00    | 0.01  | 1.010      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       |  | 0    |          |  |
| 8         | 0.990   | 3.92          | 3.73    | 3.80    | 3.91    | 0.05  | 0.740      | 7.2      | 7.3          | 2    | 1.6     | 0.3               | 2.6   | 64     | 512      | 306  | 13.21      | 2.48    | 21.47   | 528     | 4227     | 8       |  | 0    |          |  |
| 9         | 0.919   | 4.11          | 4.01    | 3.92    | 4.38    | 0.06  | 1.040      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 9       |  | 0    |          |  |
| 10        | 0.877   | 4.23          | 4.30    | 4.19    | 4.19    | 0.04  | 0.630      | 8.2      | 7.6          |      | 1.3     | 1.2               | 2.0   | 70     | 516      | 288  | 9.51       | 8.78    | 14.63   | 512     | 3774     | 10      |  | 0    |          |  |
| 11        | 0.984   | 4.10          | 4.08    | 4.10    | 4.12    | 0.03  | 1.070      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 11      |  | 0    |          |  |
| 12        | 0.999   | 4.42          | 4.01    | 4.01    | 4.24    | 0.05  | 1.180      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      |  | 0    |          |  |
| 13        | 0.927   | 4.12          | 4.21    | 4.01    | 4.14    | 0.05  | 0.830      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      |  | 0    |          |  |
| 14        | 0.582   | 4.31          | 4.30    | 4.09    | 4.23    | 0.07  | 1.030      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      |  | 0    |          |  |
| 15        | 0.594   | 4.10          | 4.18    | 4.30    | 4.39    | 0.00  | 1.040      | 6.8      | 7.3          | 2    | 1.1     | 2.3               | 2.0   | 75     | 508      | 116  | 5.45       | 11.39   | 9.91    | 372     | 2517     | 15      |  | 0    |          |  |
| 16        | 0.738   | 4.33          | 4.09    | 4.23    | 4.00    | 0.00  | 0.740      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 16      |  | 0    |          |  |
| 17        | 0.798   | 3.91          | 3.94    | 4.01    | 4.12    | 0.00  | 0.940      | 8.1      | 7.4          |      | 1.0     | 1.0               | 2.0   | 74     | 400      | 290  | 6.66       | 6.66    | 13.31   | 492     | 2662     | 17      |  | 0.2  |          |  |
| 18        | 0.756   | 4.00          | 4.22    | 4.43    | 4.24    | 0.02  | 0.750      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      |  | 0.2  |          |  |
| 19        | 0.654   | 3.92          | 3.83    | 3.90    | 3.92    | 0.02  | 0.880      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      |  | 0    |          |  |
| 20        | 0.762   | 3.83          | 3.91    | 3.82    | 3.70    | 0.02  | 1.180      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      |  | 0    |          |  |
| 21        | 0.850   | 3.91          | 4.04    | 4.11    | 3.85    | 0.00  | 1.070      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 21      |  | 0    |          |  |
| 22        | 0.877   | 3.80          | 3.72    | 3.93    | 3.92    | 0.03  | 0.900      | 6.6      | 7.2          | 2    | 1.0     | 0.6               | 2.0   | 54     | 460      | 300  | 7.31       | 4.39    | 14.63   | 395     | 3365     | 22      |  | 0    |          |  |
| 23        | 1.014   | 3.98          | 4.19    | 4.00    | 3.51    | 0.01  | 0.940      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 23      |  | 0    |          |  |
| 24        | 0.897   | 3.92          | 3.92    | 3.91    | 4.03    | 0.03  | 0.730      | 8.3      | 7.6          |      | 1.0     | 0.9               | 2.0   | 61     | 432      | 308  | 7.48       | 6.73    | 14.96   | 456     | 3232     | 24      |  | 0    |          |  |
| 25        | 0.937   | 4.37          | 4.11    | 4.19    | 4.08    | 0.01  | 0.740      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 25      |  | 0    |          |  |
| 26        | 0.916   | 3.79          | 3.80    | 3.72    | 3.81    | 0.02  | 0.960      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      |  | 0    |          |  |
| 27        | 0.907   | 3.70          | 3.82    | 3.81    | 3.62    | 0.01  | 1.290      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      |  | 0.5  |          |  |
| 28        | 0.941   | 3.88          | 3.91    | 4.00    | 3.90    | 0.04  | 0.980      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 28      |  | 0    |          |  |
| 29        |         |               |         |         |         |       |            |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 29      |  |      |          |  |
| 30        |         |               |         |         |         |       |            |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 30      |  |      |          |  |
| 31        |         |               |         |         |         |       |            |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 31      |  |      |          |  |

| Average Lbs/ Day: |       |      |  |  |  |       |       |       |     |      | 52.31 | 9.71 | 26.43 | 596 | 3692 |  |        |       |        |      |      |      |
|-------------------|-------|------|--|--|--|-------|-------|-------|-----|------|-------|------|-------|-----|------|--|--------|-------|--------|------|------|------|
| AVG               | 0.953 |      |  |  |  | 0.953 |       |       | 2   | 6.41 | 1.34  | 3.40 | 79    | 497 |      |  |        |       |        |      |      |      |
| MIN               | 0.582 | 3.51 |  |  |  |       | 0.630 | 6.6   | 7.2 | 2    | 1.0   | 0.3  | 2.0   | 54  | 400  |  | 5.45   | 2.48  | 9.91   | 372  | 2517 | 0.00 |
| MAX               | 1.061 | 4.43 |  |  |  |       | 0.07  | 1.290 | 7.6 | 2    | 43.3  | 3.1  | 12.4  | 157 | 684  |  | 360.04 | 25.78 | 103.11 | 1305 | 5687 | 1.15 |

|                               |
|-------------------------------|
| 2-Hour Peak Flow, <5,000 GPM: |
| 1,312                         |

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/22 | 0.957 | 04/21 | 0.998 | 07/21 | 1.065 | 10/21 | 0.951 |
| Average              | 02/22 | 0.953 | 05/21 | 1.108 | 08/21 | 1.027 | 11/21 | 0.948 |
| Flows                | 03/21 | 0.963 | 06/21 | 1.056 | 09/21 | 0.965 | 12/21 | 0.924 |
| Annual Average Flow: |       |       |       |       |       |       | 0.993 |       |

Total 3.05

Reading 2/1/2022 1132860  
Reading 3/1/2022 1159530

Reading 3/1/2021 796993  
Reading 3/1/2022 1159530  
Total  
Annual Average Flow: 0.993 MGD  
Capacity: 53%

9 DO and pH collected; 1 additional  
TSS Exceedance - due to a RAS line getting stopped up caus

# of days 29  
Daily Average Flow= 0.9525



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

March 2022

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |      |  |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|--|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      |  | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      |  | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |  |          |  |
| 1         | 0.954   | 3.63          | 3.74    | 3.53    | 3.73    | 0.03  | 0.900      | 7.3      | 7.4          | 2    | 1.0     | 0.7               | 2.0   | 66     | 392      | 302  | 7.96       | 5.57    | 15.91   | 525     | 3119     | 1       | 0    |  |          |  |
| 2         | 0.975   | 3.91          | 3.80    | 3.92    | 4.01    | 0.05  | 0.600      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 2       | 0    |  |          |  |
| 3         | 0.887   | 4.30          | 4.61    | 4.09    | 4.09    | 0.06  | 0.960      | 8.6      | 7.7          |      | 1.0     | 0.4               | 2.2   | 71     | 428      | 280  | 7.40       | 2.96    | 16.27   | 525     | 3166     | 3       | 0    |  |          |  |
| 4         | 0.927   | 4.14          | 4.09    | 3.94    | 4.22    | 0.04  | 0.830      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 4       | 0    |  |          |  |
| 5         | 0.904   | 3.92          | 4.05    | 4.01    | 4.03    | 0.02  | 0.950      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0    |  |          |  |
| 6         | 0.867   | 4.11          | 3.93    | 3.93    | 4.11    | 0.00  | 1.220      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       | 0    |  |          |  |
| 7         | 0.944   | 3.93          | 4.24    | 4.14    | 3.95    | 0.06  | 0.930      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0    |  |          |  |
| 8         | 0.951   | 4.00          | 4.06    | 3.82    | 4.24    | 0.04  | 0.750      | 7.0      | 7.4          | 2    | 1.5     | 0.9               | 2.0   | 71     | 456      | 286  | 11.90      | 7.14    | 15.86   | 563     | 3617     | 8       | 0.5  |  |          |  |
| 9         | 0.841   | 4.26          | 3.85    | 3.90    | 3.93    | 0.02  | 0.860      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 9       | 0    |  |          |  |
| 10        | 0.877   | 4.05          | 3.93    | 3.99    | 3.81    | 0.01  | 1.160      | 8.4      | 7.6          |      | 1.0     | 1.9               | 3.2   | 83     | 420      | 282  | 7.31       | 13.90   | 23.41   | 607     | 3072     | 10      | 0    |  |          |  |
| 11        | 0.890   | 4.13          | 3.71    | 4.13    | 4.10    | 0.00  | 0.640      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 11      | 0    |  |          |  |
| 12        | 0.712   | 4.03          | 3.81    | 3.83    | 3.80    | 0.01  | 0.810      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0    |  |          |  |
| 13        | 0.637   | 3.83          | 3.81    | 3.84    | 3.85    | 0.01  | 1.120      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0    |  |          |  |
| 14        | 0.794   | 3.70          | 3.69    | 3.69    | 3.72    | 0.00  | 0.870      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      | 0    |  |          |  |
| 15        | 0.753   | 3.79          | 3.60    | 3.51    | 3.84    | 0.00  | 0.680      | 7.0      | 7.4          | 2    | 1.1     | 0.9               | 2.0   | 74     | 500      | 288  | 6.91       | 5.65    | 12.56   | 465     | 3140     | 15      | 0.4  |  |          |  |
| 16        | 0.699   | 3.52          | 3.66    | 3.60    | 3.66    | 0.01  | 0.810      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 16      | 0    |  |          |  |
| 17        | 0.706   | 3.81          | 3.78    | 3.68    | 3.75    | 0.00  | 0.660      | 8.0      | 7.8          |      | 1.0     | 0.9               | 2.5   | 87     | 516      | 310  | 5.89       | 5.30    | 14.72   | 512     | 3038     | 17      | 0    |  |          |  |
| 18        | 0.630   | 3.63          | 3.71    | 3.77    | 3.87    | 0.00  | 0.680      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      | 0.2  |  |          |  |
| 19        | 0.625   | 3.72          | 3.80    | 3.69    | 3.84    | 0.00  | 0.790      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 0    |  |          |  |
| 20        | 0.672   | 3.73          | 3.82    | 3.84    | 3.83    | 0.01  | 1.220      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      | 0    |  |          |  |
| 21        | 0.863   | 3.81          | 3.63    | 3.62    | 3.62    | 0.02  | 0.000      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 21      | 0.2  |  |          |  |
| 22        | 0.978   | 3.85          | 3.71    | 3.44    | 3.83    | 0.06  | 0.210      | 7.0      | 7.1          |      | 1.8     | 0.7               | 2.8   | 79     | 508      | 304  | 14.68      | 5.71    | 22.84   | 644     | 4144     | 22      | 2.7  |  |          |  |
| 23        | 1.850   | 3.14          | 3.24    | 3.28    | 3.26    | 0.02  | 0.970      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 23      | 0    |  |          |  |
| 24        | 0.810   | 3.03          | 2.92    | 3.09    | 2.95    | 0.00  | 0.891      | 8.3      | 7.2          |      | 1.9     | 0.5               | 2.0   | 75     | 460      | 304  | 12.84      | 3.38    | 13.51   | 507     | 3107     | 24      | 0    |  |          |  |
| 25        | 1.000   | 3.32          | 3.40    | 2.96    | 3.28    | 0.01  | 0.607      |          |              | 2    |         |                   |       |        |          |      |            |         |         |         |          | 25      | 0    |  |          |  |
| 26        | 0.670   | 3.82          | 3.53    | 3.06    | 3.32    | 0.03  | 0.903      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      | 0    |  |          |  |
| 27        | 0.710   | 3.33          | 3.32    | 3.53    | 3.25    | 0.02  | 1.197      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      | 0    |  |          |  |
| 28        | 0.975   | 3.44          | 3.25    | 3.34    | 3.41    | 0.00  | 0.992      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 28      | 0    |  |          |  |
| 29        | 0.860   | 3.51          | 3.44    | 3.65    | 3.73    | 0.01  | 1.051      | 6.7      | 6.9          | 2    | 1.0     | 0.4               | 2.0   | 70     | 464      | 296  | 7.17       | 2.87    | 14.34   | 502     | 3328     | 29      | 0    |  |          |  |
| 30        | 0.890   | 3.62          | 3.36    | 3.42    | 3.54    | 0.01  | 0.906      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 30      | 0.75 |  |          |  |
| 31        | 0.820   | 3.73          | 3.53    | 3.23    | 3.42    | 0.02  | 0.736      | 8.3      | 7.5          |      | 1.0     | 0.5               | 2.0   | 73     | 528      | 280  | 6.84       | 3.42    | 13.68   | 499     | 3611     | 31      | 0    |  |          |  |

|                   |       |      |  |  |  |       |       |       |     |      |      |       |     |      |     |     |      |       |       |       |      |      |      |
|-------------------|-------|------|--|--|--|-------|-------|-------|-----|------|------|-------|-----|------|-----|-----|------|-------|-------|-------|------|------|------|
| Average Lbs/ Day: |       |      |  |  |  |       |       |       |     | 8.89 | 5.59 | 16.31 | 535 | 3334 |     |     |      |       |       |       |      |      |      |
| AVG               | 0.855 |      |  |  |  | 0.836 |       |       | 2   | 1.23 | 0.78 | 2.27  | 75  | 467  |     |     |      |       |       |       |      |      |      |
| MIN               | 0.625 | 2.92 |  |  |  |       | 0.000 | 6.7   | 6.9 | 2    | 1.0  | 0.4   | 2.0 | 66   | 392 |     | 5.89 | 2.87  | 12.56 | 465   | 3038 | 0.00 |      |
| MAX               | 1.850 | 4.61 |  |  |  |       | 0.06  | 1.220 |     | 7.8  | 2    | 1.9   | 1.9 | 3.2  | 87  | 528 |      | 14.68 | 13.90 | 23.41 | 644  | 4144 | 2.70 |

2-Hour Peak Flow,  
<5,000 GPM:

1,215

Reading 3/1/2022 1159530 0

Reading 4/1/2022 1176970 9073

# of days 31

Daily Average Flow= 0.855

Monthly Average Flows

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 01/22 | 0.957 | 04/21 | 0.998 | 07/21 | 1.065 | 10/21 | 0.951 |
| 02/22 | 0.953 | 05/21 | 1.108 | 08/21 | 1.027 | 11/21 | 0.948 |
| 03/22 | 0.855 | 06/21 | 1.056 | 09/21 | 0.965 | 12/21 | 0.924 |

Annual Average Flow: 0.984

Total 4.75

Flow meter damaged during storm on 3/24/22.

Annual Average Flow: 0.984 MGD

Capacity: 48%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

April 2022

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         | Composite Samples |       |      |          |      |            | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|-------------------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 0.825   | 3.31          | 3.22    | 3.41    | 3.86    | 0.01     | 0.711      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 1   | 0        |
| 2         | 0.820   | 3.72          | 3.44    | 3.72    | 3.63    | 0.02     | 0.898      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 2   | 0        |
| 3         | 0.720   | 3.53          | 3.32    | 3.51    | 3.82    | 0.01     | 0.981      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 3   | 0        |
| 4         | 0.770   | 3.46          | 3.53    | 3.64    | 3.71    | 0.01     | 0.990      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 4   | 0        |
| 5         | 0.730   | 3.21          | 3.16    | 3.44    | 3.65    | 0.02     | 1.153      | 6.9          | 7.2       | 2       | 1.2               | 0.9   | 2.0  | 78       | 444  | 282        | 7.31    | 5.48    | 12.18   | 475      | 2703    | 5   | 0        |
| 6         | 0.840   | 2.42          | 3.61    | 3.51    | 3.41    | 0.01     | 0.967      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 6   | 0        |
| 7         | 0.800   | 1.04          | 3.34    | 3.30    | 3.33    | 0.01     | 1.075      | 8.5          | 7.5       |         | 1.0               | 0.8   | 2.9  | 77       | 452  | 284        | 6.67    | 5.34    | 19.35   | 514      | 3016    | 7   | 0        |
| 8         | 0.990   | 2.91          | 3.52    | 3.68    | 3.84    | 0.00     | 0.561      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 8   | 0        |
| 9         | 0.700   | 3.03          | 3.42    | 3.70    | 3.83    | 0.01     | 0.959      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 9   | 0        |
| 10        | 0.940   | 2.82          | 3.31    | 3.61    | 3.74    | 0.01     | 1.417      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 10  | 0        |
| 11        | 0.990   | 2.94          | 3.73    | 3.83    | 3.61    | 0.00     | 1.101      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 11  | 0        |
| 12        | 0.930   | 3.71          | 3.91    | 3.89    | 3.80    | 0.00     | 0.692      | 6.7          | 6.9       | 2       | 3.0               | 0.1   | 3.3  | 87       | 504  | 304        | 23.27   | 0.78    | 25.60   | 675      | 3909    | 12  | 0        |
| 13        | 0.820   | 3.83          | 3.62    | 3.52    | 3.89    | 0.01     | 1.105      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 13  | 0        |
| 14        | 0.738   | 3.63          | 3.79    | 3.46    | 3.71    | 0.02     | 0.924      | 8.5          | 7.6       |         | 1.0               | 1.2   | 2.0  | 78       | 476  | 298        | 6.15    | 7.39    | 12.31   | 480      | 2930    | 14  | 0        |
| 15        | 0.720   | 3.73          | 3.82    | 3.53    | 3.81    | 0.01     | 1.037      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 15  | 0        |
| 16        | 0.740   | 3.73          | 3.81    | 3.43    | 3.81    | 0.01     | 1.032      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 16  | 0.1      |
| 17        | 0.730   | 3.62          | 3.72    | 3.42    | 3.80    | 0.01     | 1.430      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 17  | 0        |
| 18        | 0.980   | 3.81          | 3.61    | 3.64    | 3.52    | 0.00     | 0.956      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 18  | 0        |
| 19        | 1.069   | 3.70          | 3.79    | 3.83    | 3.44    | 0.00     | 0.944      | 6.8          | 7.1       | 2       | 2.7               | 2.5   | 3.3  | 87       | 532  | 322        | 24.07   | 22.29   | 29.42   | 776      | 4743    | 19  | 0        |
| 20        | 0.890   | 3.55          | 3.55    | 3.71    | 3.61    | 0.00     | 1.030      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 20  | 0        |
| 21        | 1.000   | 3.94          | 3.83    | 3.67    | 3.83    | 0.01     | 0.966      | 8.3          | 7.2       |         | 1.3               | 0.1   | 2.0  | 80       | 452  | 318        | 10.84   | 0.83    | 16.68   | 667      | 3770    | 21  | 0        |
| 22        | 1.009   | 3.62          | 3.67    | 3.44    | 3.56    | 0.01     | 0.804      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 22  | 0        |
| 23        | 0.940   | 3.83          | 3.75    | 3.82    | 3.75    | 0.00     | 1.226      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 23  | 0        |
| 24        | 1.000   | 3.51          | 3.44    | 3.61    | 3.74    | 0.00     | 0.977      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 24  | 0        |
| 25        | 0.999   | 3.61          | 3.62    | 3.53    | 3.41    | 0.01     | 0.984      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 25  | 0        |
| 26        | 0.970   | 3.70          | 3.81    | 3.73    | 3.80    | 0.03     | 0.941      | 7.0          | 7.3       | 2       | 1.0               | 0.8   | 2.0  | 77       | 496  | 312        | 8.09    | 6.47    | 16.18   | 623      | 4013    | 26  | 1.25     |
| 27        | 1.001   | 3.82          | 3.50    | 3.82    | 3.52    | 0.01     | 0.901      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 27  | 0        |
| 28        | 0.880   | 3.46          | 3.78    | 3.15    | 3.85    | 0.00     | 0.968      | 7.7          | 7.4       |         | 1.0               | 0.1   | 2.0  | 78       | 520  | 314        | 7.34    | 0.73    | 14.68   | 572      | 3816    | 28  | 0        |
| 29        | 0.910   | 3.64          | 3.92    | 3.64    | 3.74    | 0.00     | 0.579      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 29  | 0        |
| 30        | 0.770   | 3.71          | 3.54    | 3.41    | 3.66    | 0.00     | 0.988      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 30  | 0        |
| 31        |         |               |         |         |         |          |            |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 31  |          |

|                   |       |      |  |  |  |      |       |     |     |   |       |      |       |     |      |  |       |       |       |     |      |  |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|---|-------|------|-------|-----|------|--|-------|-------|-------|-----|------|--|------|
| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |   | 11.72 | 6.16 | 18.30 | 598 | 3612 |  |       |       |       |     |      |  |      |
| AVG               | 0.977 |      |  |  |  |      | 0.977 |     |     | 2 | 1.53  | 0.81 | 2.44  | 80  | 485  |  |       |       |       |     |      |  |      |
| MIN               | 0.700 | 1.04 |  |  |  |      | 0.561 | 6.7 | 6.9 | 2 | 1.0   | 0.1  | 2.0   | 77  | 444  |  | 6.15  | 0.73  | 12.18 | 475 | 2703 |  | 0.00 |
| MAX               | 1.069 | 3.94 |  |  |  | 0.03 | 1.430 |     | 7.6 | 2 | 3.0   | 2.5  | 3.3   | 87  | 532  |  | 24.07 | 22.29 | 29.42 | 776 | 4743 |  | 1.25 |

2-Hour Peak Flow,  
<5,000 GPM:

1,458

Reading ##### 9073  
Reading ##### 38370  
# of days 30  
Daily Average Flow= 0.97657  
3/24/22: Flow meter damaged.

Monthly  
Average  
Flows

01/220.95704/220.97707/211.06510/210.951

02/220.95305/211.10808/211.02711/210.948

03/220.85506/211.05609/210.96512/210.924

Annual Average Flow: 0.982

Reading 5/1/2021 856792 0  
Reading 5/1/2022 1176970 38370  
Annual Average Flow: 0.982 MGD  
Capacity: 54%

Total 1.35

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

May 2022

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |      |          |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |
| 1         | 0.860   | 3.83          | 3.83    | 3.85    | 3.82    | 0.00  | 1.213      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 1       | 0    |          |
| 2         | 0.890   | 3.62          | 3.44    | 3.73    | 3.55    | 0.01  | 0.979      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 2       | 0    |          |
| 3         | 1.006   | 3.84          | 3.80    | 3.72    | 3.91    | 0.02  | 0.974      | 6.4      | 6.8          | 2    | 1.0     | 0.6               | 2.0   | 76     | 544      | 310  | 8.39       | 5.03    | 16.78   | 638     | 4564     | 3       | 0    |          |
| 4         | 1.001   | 3.71          | 3.66    | 3.54    | 3.74    | 0.01  | 0.997      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 4       | 0    |          |
| 5         | 0.900   | 3.83          | 3.84    | 3.65    | 3.85    | 0.00  | 0.922      | 8.3      | 7.3          |      | 1.2     | 0.9               | 2.0   | 84     | 468      | 316  | 9.01       | 6.76    | 15.01   | 631     | 3513     | 5       | 0    |          |
| 6         | 0.830   | 3.65          | 3.80    | 3.11    | 3.61    | 0.02  | 0.669      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       | 1    |          |
| 7         | 0.750   | 3.72          | 3.81    | 3.42    | 3.73    | 0.02  | 0.997      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0    |          |
| 8         | 0.760   | 3.73          | 3.82    | 3.24    | 3.63    | 0.01  | 1.293      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 8       | 0    |          |
| 9         | 0.800   | 3.85          | 3.79    | 3.57    | 3.11    | 0.02  | 0.916      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 9       | 0    |          |
| 10        | 0.830   | 3.74          | 3.76    | 3.41    | 3.06    | 0.01  | 1.291      | 5.8      | 7.2          | 2    | 1.5     | 2.5               | 2.9   | 96     | 588      | 300  | 10.38      | 17.31   | 20.07   | 665     | 4070     | 10      | 0    |          |
| 11        | 0.890   | 3.65          | 3.43    | 3.75    | 3.24    | 0.02  | 1.105      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 11      | 0    |          |
| 12        | 1.003   | 3.83          | 3.65    | 3.83    | 3.52    | 0.00  | 0.921      | 7.9      | 7.3          |      | 2.3     | 2.1               | 2.8   | 86     | 512      | 310  | 19.24      | 17.57   | 23.42   | 719     | 4283     | 12      | 0    |          |
| 13        | 1.000   | 3.50          | 3.81    | 3.92    | 3.77    | 0.00  | 0.655      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0    |          |
| 14        | 0.970   | 3.61          | 3.72    | 3.81    | 3.64    | 0.01  | 1.001      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      | 0    |          |
| 15        | 1.000   | 3.52          | 3.83    | 3.72    | 3.53    | 0.01  | 1.423      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 15      | 0    |          |
| 16        | 1.060   | 3.74          | 3.51    | 3.83    | 3.72    | 0.03  | 1.213      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 16      | 0    |          |
| 17        | 1.009   | 3.45          | 3.44    | 3.60    | 3.81    | 0.02  | 0.982      | 6.8      | 7.2          | 2    | 3.5     | 1.2               | 3.7   | 80     | 492      | 302  | 29.45      | 10.10   | 31.14   | 673     | 4140     | 17      | 0    |          |
| 18        | 1.001   | 3.62          | 3.16    | 3.54    | 2.74    | 0.04  | 1.025      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      | 0    |          |
| 19        | 1.008   | 3.31          | 2.93    | 3.62    | 3.15    | 0.02  | 0.643      | 8.3      | 7.7          |      | 3.4     | 3.1               | 3.8   | 88     | 444      | 300  | 28.58      | 26.06   | 31.95   | 740     | 3733     | 19      | 0    |          |
| 20        | 1.191   | 3.74          | 3.31    | 3.46    | 3.42    | 0.02  | 1.019      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      | 0    |          |
| 21        | 0.630   | 3.73          | 3.22    | 3.36    | 3.32    | 0.02  | 1.231      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 21      | 0    |          |
| 22        | 0.970   | 3.62          | 2.93    | 3.34    | 3.43    | 0.02  | 1.212      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 22      | 1.75 |          |
| 23        | 0.830   | 3.55          | 2.74    | 3.23    | 3.51    | 0.01  | 0.869      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 23      | 0    |          |
| 24        | 0.885   | 3.34          | 3.41    | 3.00    | 3.28    | 0.02  | 1.111      | 6.4      | 7.1          | 2    | 1.0     | 0.2               | 2.0   | 66     | 476      | 296  | 7.38       | 1.48    | 14.76   | 487     | 3513     | 24      | 0    |          |
| 25        | 0.950   | 3.43          | 3.55    | 3.24    | 3.62    | 0.01  | 0.607      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 25      | 0.75 |          |
| 26        | 0.660   | 3.61          | 3.73    | 3.15    | 3.44    | 0.00  | 1.056      | 7.8      | 7.3          |      | 1.0     | 0.1               | 2.0   | 79     | 468      | 288  | 5.50       | 0.55    | 11.01   | 435     | 2576     | 26      | 0    |          |
| 27        | 0.780   | 3.56          | 3.79    | 2.97    | 3.51    | 0.00  | 0.780      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      | 0    |          |
| 28        | 0.890   | 3.74          | 3.62    | 3.26    | 3.73    | 0.01  | 0.887      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 28      | 0    |          |
| 29        | 0.570   | 3.73          | 3.46    | 3.44    | 3.85    | 0.02  | 0.900      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 29      | 0    |          |
| 30        | 0.910   | 3.65          | 3.51    | 3.52    | 3.47    | 0.01  | 1.238      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 30      | 0    |          |
| 31        | 1.156   | 3.42          | 3.74    | 3.61    | 3.82    | 0.02  | 0.949      | 7.1      | 7.4          | 2    | 1.0     | 0.1               | 2.0   | 70     | 472      | 298  | 9.64       | 0.96    | 19.28   | 675     | 4551     | 31      | 0    |          |

| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |   | 14.18 | 9.53 | 20.38 | 629 | 3883 |  |       |       |       |     |      |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|---|-------|------|-------|-----|------|--|-------|-------|-------|-----|------|------|
| AVG               | 0.971 |      |  |  |  |      | 1.003 |     |     | 2 | 1.77  | 1.20 | 2.58  | 81  | 496  |  |       |       |       |     |      |      |
| MIN               | 0.570 | 2.74 |  |  |  |      | 0.607 | 5.8 | 6.8 | 2 | 1.0   | 0.1  | 2.0   | 66  | 444  |  | 5.50  | 0.55  | 11.01 | 435 | 2576 | 0.00 |
| MAX               | 1.191 | 3.92 |  |  |  | 0.04 | 1.423 |     | 7.7 | 2 | 3.5   | 3.1  | 3.8   | 96  | 588  |  | 29.45 | 26.06 | 31.95 | 740 | 4564 | 1.75 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,458                            |

Reading 5/1/2022 38370 281  
Reading 6/1/2022 54939 13808  
# of days 31  
Daily Average Flow= 0.970839 MGD  
3/24/22: Flow meter damaged.  
5/18/22: Flow meter recalibrated and reset.

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/22 | 0.957 | 04/22 | 0.977 | 07/21 | 1.065 | 10/21 | 0.951 |
|                             | 02/22 | 0.953 | 05/22 | 0.971 | 08/21 | 1.027 | 11/21 | 0.948 |
|                             | 03/22 | 0.855 | 06/21 | 1.056 | 09/21 | 0.965 | 12/21 | 0.924 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.971 |       |

Reading 6/1/2021 891148 0 281  
Reading 6/1/2022 1176970 54939 13808  
Annual Average Flow: 0.971 MGD  
Capacity: 54%

Total 3.5



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

June 2022

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         | Composite Samples |       |      |          |      |            |         |         |         |          |         |     |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|-------------------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |
| 1         | 1.201   | 3.51          | 3.65    | 3.73    | 3.71    | 0.01     | 0.899      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 1   |
| 2         | 0.850   | 3.74          | 3.82    | 3.45    | 3.53    | 0.03     | 0.977      | 6.4          | 7.3       |         | 1.0               | 0.1   | 2.3  | 70       | 424  | 288        | 7.09    | 0.71    | 16.30   | 496      | 3006    | 2   |
| 3         | 0.890   | 3.33          | 3.56    | 3.14    | 3.34    | 0.02     | 0.666      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 3   |
| 4         | 0.640   | 3.44          | 3.65    | 3.24    | 3.45    | 0.01     | 0.951      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 4   |
| 5         | 0.670   | 3.33          | 3.54    | 3.15    | 3.34    | 0.01     | 1.224      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 5   |
| 6         | 1.105   | 3.52          | 3.62    | 3.33    | 3.53    | 0.00     | 1.054      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 6   |
| 7         | 1.110   | 3.62          | 3.41    | 3.46    | 3.61    | 0.00     | 0.815      | 6.2          | 7.2       | 2       | 6.0               | 0.8   | 5.4  | 165      | 704  | 292        | 55.54   | 7.41    | 49.99   | 1527     | 6517    | 7   |
| 8         | 0.790   | 3.74          | 3.63    | 3.65    | 3.85    | 0.01     | 0.672      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 8   |
| 9         | 0.690   | 3.45          | 3.75    | 3.72    | 3.54    | 0.03     | 1.164      | 8.1          | 7.3       |         | 3.0               | 0.5   | 6.8  | 148      | 604  | 240        | 17.26   | 2.88    | 39.13   | 852      | 3476    | 9   |
| 10        | 0.860   | 3.53          | 3.84    | 3.44    | 3.72    | 0.05     | 0.751      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 10  |
| 11        | 0.680   | 3.62          | 3.46    | 3.27    | 3.47    | 0.04     | 0.944      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 11  |
| 12        | 0.930   | 3.73          | 3.23    | 2.95    | 3.68    | 0.01     | 1.238      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 12  |
| 13        | 0.940   | 3.47          | 3.55    | 3.13    | 3.55    | 0.03     | 0.962      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 13  |
| 14        | 0.800   | 3.65          | 3.87    | 3.56    | 3.73    | 0.05     | 0.919      | 7.6          | 7.2       | 4       | 1.0               | 0.8   | 2.0  | 85       | 496  | 290        | 6.67    | 5.34    | 13.34   | 567      | 3309    | 14  |
| 15        | 0.780   | 3.71          | 3.44    | 3.74    | 3.65    | 0.02     | 0.879      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 15  |
| 16        | 0.770   | 3.24          | 3.32    | 3.62    | 3.44    | 0.03     | 1.045      | 7.1          | 7.5       |         | 2.5               | 1.9   | 3.4  | 161      | 636  | 280        | 16.05   | 12.20   | 21.83   | 1034     | 4084    | 16  |
| 17        | 0.999   | 3.46          | 3.64    | 3.85    | 3.87    | 0.06     | 0.648      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 17  |
| 18        | 0.969   | 3.53          | 3.76    | 3.84    | 3.65    | 0.05     | 0.931      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 18  |
| 19        | 0.931   | 3.75          | 3.87    | 3.86    | 3.43    | 0.02     | 1.094      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 19  |
| 20        | 0.998   | 3.64          | 3.54    | 3.65    | 3.74    | 0.01     | 1.130      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 20  |
| 21        | 0.890   | 3.43          | 3.82    | 3.84    | 3.51    | 0.06     | 0.873      | 6.4          | 6.9       | 6       | 3.3               | 1.7   | 3.7  | 117      | 632  | 272        | 24.49   | 12.62   | 27.46   | 868      | 4691    | 21  |
| 22        | 0.870   | 3.87          | 3.76    | 3.53    | 3.64    | 0.04     | 2.117      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 22  |
| 23        | 1.345   | 3.84          | 3.65    | 3.62    | 3.76    | 0.02     | 0.796      | 6.7          | 7.3       |         | 1.4               | 0.3   | 2.8  | 155      | 732  | 270        | 15.70   | 3.37    | 31.41   | 1739     | 8211    | 23  |
| 24        | 1.830   | 3.63          | 3.54    | 3.84    | 3.42    | 0.03     | 1.260      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 24  |
| 25        | 1.270   | 3.85          | 3.72    | 3.41    | 3.56    | 0.01     | 0.139      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 25  |
| 26        | 1.210   | 3.73          | 3.84    | 3.64    | 3.75    | 0.03     | 0.352      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 26  |
| 27        | 1.440   | 3.74          | 3.83    | 3.76    | 3.83    | 0.03     | 0.901      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 27  |
| 28        | 0.990   | 3.66          | 3.55    | 2.90    | 3.64    | 0.06     | 0.667      | 6.1          | 6.8       | 2       | 3.2               | 0.3   | 2.7  | 99       | 528  | 288        | 26.42   | 2.48    | 22.29   | 817      | 4359    | 28  |
| 29        | 0.670   | 3.80          | 3.76    | 3.34    | 3.82    | 0.02     | 1.187      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 29  |
| 30        | 0.860   | 3.48          | 3.63    | 3.71    | 3.50    | 0.03     | 0.787      | 7.0          | 7.6       |         | 2.7               | 0.1   | 3.0  | 168      | 896  | 276        | 19.37   | 0.72    | 21.52   | 1205     | 6426    | 30  |
| 31        |         |               |         |         |         |          |            |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 31  |

| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |   | 20.96 | 5.30 | 27.03 | 1012 | 4898 |  |       |       |       |      |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|---|-------|------|-------|------|------|--|-------|-------|-------|------|------|
| AVG               | 0.935 |      |  |  |  |      | 0.935 |     |     | 3 | 2.68  | 0.72 | 3.57  | 130  | 628  |  |       |       |       |      |      |
| MIN               | 0.640 | 2.90 |  |  |  |      | 0.139 | 6.1 | 6.8 | 2 | 1.0   | 0.1  | 2.0   | 70   | 424  |  | 6.67  | 0.71  | 13.34 | 496  | 3006 |
| MAX               | 1.830 | 3.87 |  |  |  | 0.06 | 2.117 |     | 7.6 | 6 | 6.0   | 1.9  | 6.8   | 168  | 896  |  | 55.54 | 12.62 | 49.99 | 1739 | 8211 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,118                            |

Reading 6/1/2022 13808  
Reading 7/1/2022 41850  
# of days 30  
Daily Average Flow= 0.935  
3/24/22: Flow meter damaged.  
5/18/22: Flow meter recalibrated and reset.

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/22 | 0.957 | 04/22 | 0.977 | 07/21 | 1.065 | 10/21 | 0.951 |
|                             | 02/22 | 0.953 | 05/22 | 0.971 | 08/21 | 1.027 | 11/21 | 0.948 |
|                             | 03/22 | 0.855 | 06/22 | 0.935 | 09/21 | 0.965 | 12/21 | 0.924 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.961 |       |

Reading 7/1/2021 922818 0 281  
Reading 7/1/2022 1176970 54939 41850  
Total:  
Annual Average Flow: 0.961 MGD  
Capacity: 52%

Total

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

July 2022

| TX0124907 |         | Grab Samples  |         |         |         |          |            |      | Grab Samples |         |      | Composite Samples |      |          |      |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|------------|------|--------------|---------|------|-------------------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO   | pH           | E. coli | TSS  | NH3-N             | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.500      | mg/L | S.U.         | CFU/ml  | mg/l | mg/l              | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0  | 6.5 - 9.0    | 63      | 15   | 3                 | 10   | Report   | 739  | NA         | 188     | 38      | 125     | Report   | 11094   | Day |          |
| 1         | 0.780   | 3.62          | 3.42    | 3.53    | 3.45    | 0.05     | 0.900      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 1   | 0        |
| 2         | 0.940   | 3.41          | 3.62    | 3.53    | 3.64    | 0.04     | 0.874      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 2   | 0        |
| 3         | 0.920   | 3.53          | 3.71    | 3.42    | 3.62    | 0.05     | 0.893      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 3   | 0        |
| 4         | 0.900   | 3.52          | 3.63    | 3.61    | 3.53    | 0.03     | 1.196      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 4   | 0        |
| 5         | 0.780   | 3.65          | 3.62    | 3.84    | 3.75    | 0.01     | 1.038      | 5.0  | 6.9          | 2       | 1.9  | 0.3               | 2.6  | 106      | 576  | 272        | 12.36   | 1.95    | 16.91   | 690      | 3747    | 5   | 0        |
| 6         | 0.840   | 3.84          | 3.84    | 3.36    | 3.31    | 0.03     | 0.736      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 6   | 0        |
| 7         | 0.710   | 3.41          | 3.56    | 3.52    | 3.64    | 0.00     | 1.074      | 6.7  | 7.6          |         | 5.0  | 0.1               | 3.2  | 123      | 932  | 260        | 29.61   | 0.59    | 18.95   | 728      | 5519    | 7   | 0        |
| 8         | 0.990   | 3.77          | 3.73    | 3.75    | 3.86    | 0.01     | 0.649      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 8   | 0        |
| 9         | 1.023   | 3.65          | 3.26    | 3.44    | 3.63    | 0.01     | 1.464      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 9   | 0        |
| 10        | 1.523   | 3.44          | 3.54    | 3.67    | 3.75    | 0.02     | 0.620      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 10  | 0        |
| 11        | 0.710   | 3.36          | 3.65    | 3.35    | 3.47    | 0.00     | 1.001      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 11  | 0        |
| 12        | 1.410   | 3.53          | 3.42    | 3.53    | 3.55    | 0.05     | 0.656      | 5.2  | 7.2          | 2       | 1.6  | 0.4               | 2.8  | 91       | 564  | 284        | 18.82   | 4.70    | 32.93   | 1070     | 6632    | 12  | 0        |
| 13        | 0.660   | 3.61          | 3.77    | 3.86    | 3.83    | 0.03     | 1.243      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 13  | 0        |
| 14        | 0.890   | 3.74          | 3.63    | 3.74    | 3.44    | 0.01     | 0.846      | 6.3  | 7.6          |         | 1.7  | 0.2               | 3.2  | 166      | 724  | 292        | 12.62   | 1.48    | 23.75   | 1232     | 5374    | 14  | 0        |
| 15        | 0.699   | 3.46          | 3.55    | 3.52    | 3.78    | 0.00     | 0.879      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 15  | 0        |
| 16        | 0.981   | 3.62          | 3.42    | 3.85    | 3.87    | 0.02     | 0.924      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 16  | 0        |
| 17        | 0.928   | 3.74          | 3.74    | 3.66    | 3.85    | 0.01     | 1.194      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 17  | 0        |
| 18        | 1.167   | 3.55          | 3.83    | 3.44    | 3.44    | 0.04     | 1.036      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 18  | 0        |
| 19        | 1.222   | 3.41          | 3.61    | 3.31    | 3.66    | 0.02     | 0.660      | 5.2  | 7.1          | 8       | 4.9  | 1.4               | 4.4  | 150      | 640  | 260        | 49.94   | 14.27   | 44.84   | 1529     | 6523    | 19  | 0        |
| 20        | 1.433   | 3.41          | 3.11    | 3.65    | 3.41    | 0.01     | 1.207      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 20  | 0        |
| 21        | 1.427   | 3.67          | 3.42    | 3.74    | 3.62    | 0.05     | 0.994      | 6.0  | 7.7          |         | 5.6  | 0.1               | 4.0  | 134      | 684  | 284        | 66.65   | 1.19    | 47.60   | 1595     | 8140    | 21  | 0        |
| 22        | 0.999   | 3.44          | 3.74    | 3.43    | 3.27    | 0.04     | 0.556      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 22  | 0        |
| 23        | 0.566   | 3.58          | 3.45    | 3.76    | 3.44    | 0.03     | 1.182      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 23  | 0        |
| 24        | 1.440   | 3.35          | 3.53    | 3.54    | 3.53    | 0.02     | 1.004      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 24  | 0        |
| 25        | 1.411   | 3.42          | 3.61    | 3.35    | 3.76    | 0.00     | 0.737      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 25  | 0        |
| 26        | 0.770   | 3.63          | 3.34    | 3.57    | 3.61    | 0.02     | 0.981      | 5.7  | 7.1          | 2       | 2.9  | 0.7               | 3.1  | 181      | 792  | 290        | 18.62   | 4.50    | 19.91   | 1162     | 5086    | 26  | 0        |
| 27        | 1.020   | 3.34          | 3.58    | 3.72    | 3.47    | 0.00     | 0.896      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 27  | 0        |
| 28        | 0.995   | 3.56          | 3.75    | 3.44    | 3.84    | 0.00     | 0.793      | 6.8  | 7.2          |         | 1.3  | 0.1               | 2.9  | 183      | 756  | 264        | 10.79   | 0.83    | 24.07   | 1519     | 6274    | 28  | 0        |
| 29        | 0.920   | 3.62          | 3.42    | 3.21    | 3.56    | 0.01     | 0.725      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 29  | 0        |
| 30        | 0.890   | 3.63          | 3.53    | 2.92    | 3.75    | 0.01     | 0.931      |      |              |         |      |                   |      |          | 796  |            |         |         |         |          | 5908    | 30  | 0        |
| 31        | 1.025   | 3.35          | 3.61    | 3.36    | 3.42    | 0.00     | 0.879      |      |              |         |      |                   |      |          | 760  |            |         |         |         |          | 6497    | 31  | 0        |

|                   |       |      |  |  |       |       |     |     |      |       |      |       |      |      |       |       |       |       |      |      |      |
|-------------------|-------|------|--|--|-------|-------|-----|-----|------|-------|------|-------|------|------|-------|-------|-------|-------|------|------|------|
| Average Lbs/ Day: |       |      |  |  |       |       |     |     |      | 27.42 | 3.69 | 28.62 | 1191 | 5970 |       |       |       |       |      |      |      |
| AVG               | 0.928 |      |  |  | 0.928 |       |     | 3   | 3.11 | 0.41  | 3.28 | 142   | 722  |      |       |       |       |       |      |      |      |
| MIN               | 0.566 | 2.92 |  |  | 0.556 | 5.0   | 6.9 | 2   | 1.3  | 0.1   | 2.6  | 91    | 564  |      | 10.79 | 0.59  | 16.91 | 690   | 3747 | 0.00 |      |
| MAX               | 1.523 | 3.87 |  |  | 0.05  | 1.464 |     | 7.7 | 8    | 5.6   | 1.4  | 4.4   | 183  | 932  |       | 66.65 | 14.27 | 47.60 | 1595 | 8140 | 0.00 |

|                                     |
|-------------------------------------|
| 2-Hour Peak<br>Flow, <5,000<br>GPM: |
| 1,215                               |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/22 | 0.957 | 04/22 | 0.977 | 07/22 | 0.928 | 10/21 | 0.951 |
|                             | 02/22 | 0.953 | 05/22 | 0.971 | 08/21 | 1.027 | 11/21 | 0.948 |
|                             | 03/22 | 0.855 | 06/22 | 0.935 | 09/21 | 0.965 | 12/21 | 0.924 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.949 |       |

Total 0

Reading 7/1/2022 41850  
Reading 8/1/2022 70618  
# of days 31  
Daily Average Flow= 0.928 MGD  
3/24/22: Flow meter damaged.  
5/18/22: Flow meter recalibrated and reset.

Reading 8/1/2021 955846 0 0  
Reading 8/1/2022 1176970 54939 70618  
Total:  
Annual Average Flow: 0.950 MGD  
Capacity: 62%

No rain events recorded.  
Additional samples pulled for TDS  
10 total

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

August 2022

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |      |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 188        | 38      | 125     | Report  | 11094    | Day     |      |          |  |
| 1         | 0.680   | 3.71          | 3.24    | 3.55    | 3.60    | 0.04  | 1.109      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 1       | 0    |          |  |
| 2         | 1.410   | 3.79          | 3.72    | 3.73    | 3.74    | 0.03  | 0.774      | 5.4      | 7.0          | 2    | 2.7     | 0.3               | 3.9   | 183    | 752      | 264  | 31.8       | 3.53    | 45.86   | 2152    | 8843     | 2       | 0    |          |  |
| 3         | 0.770   | 3.46          | 3.24    | 3.55    | 3.27    | 0.05  | 1.093      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 3       | 0    |          |  |
| 4         | 1.031   | 3.64          | 3.55    | 3.76    | 3.34    | 0.06  | 0.902      | 6.4      | 7.3          |      | 1.1     | 0.1               | 2.2   | 181    | 808      | 280  | 9.5        | 0.86    | 18.92   | 1556    | 6948     | 4       | 0    |          |  |
| 5         | 0.790   | 3.35          | 3.23    | 3.42    | 3.51    | 0.05  | 0.771      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0    |          |  |
| 6         | 0.680   | 3.53          | 3.47    | 3.64    | 3.70    | 0.03  | 1.052      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       | 0    |          |  |
| 7         | 0.986   | 3.55          | 3.25    | 3.75    | 3.62    | 0.03  | 1.032      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0    |          |  |
| 8         | 1.410   | 3.44          | 3.44    | 3.56    | 3.46    | 0.04  | 0.952      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 8       | 0    |          |  |
| 9         | 0.780   | 3.62          | 3.62    | 3.65    | 3.87    | 0.05  | 0.948      | 6.1      | 7.4          | 2    | 2.1     | 0.1               | 4.4   | 88     | 616      | 292  | 13.7       | 0.65    | 28.62   | 572     | 4007     | 9       | 0    |          |  |
| 10        | 0.790   | 3.43          | 3.37    | 2.63    | 3.55    | 0.03  | 0.758      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 10      | 0    |          |  |
| 11        | 0.710   | 3.76          | 3.45    | 2.94    | 3.74    | 0.05  | 1.149      | 7.4      | 7.4          |      | 1.4     | 0.2               | 4.3   | 172    | 800      | 274  | 8.3        | 1.18    | 25.46   | 1018    | 4737     | 11      | 1.7  |          |  |
| 12        | 1.160   | 3.83          | 3.62    | 3.66    | 3.45    | 0.00  | 0.829      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0    |          |  |
| 13        | 1.004   | 3.85          | 3.64    | 3.41    | 3.67    | 0.02  | 0.998      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0    |          |  |
| 14        | 0.933   | 3.73          | 3.45    | 2.93    | 3.75    | 0.00  | 1.059      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      | 0    |          |  |
| 15        | 0.954   | 3.61          | 3.65    | 2.31    | 3.51    | 0.01  | 1.377      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 15      | 0    |          |  |
| 16        | 0.850   | 3.44          | 3.30    | 2.74    | 3.83    | 0.06  | 0.876      | 5.8      | 6.9          | 2    | 2.2     | 1.0               | 3.3   | 178    | 704      | 272  | 15.6       | 7.09    | 23.39   | 1262    | 4991     | 16      | 0    |          |  |
| 17        | 0.830   | 3.72          | 3.62    | 2.95    | 3.37    | 0.07  | 1.167      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 17      | 0    |          |  |
| 18        | 1.130   | 3.20          | 3.45    | 1.53    | 3.50    | 0.05  | 1.077      | 7.2      | 7.3          |      | 1.0     | 0.1               | 2.0   | 83     | 520      | 306  | 9.4        | 0.94    | 18.85   | 782     | 4901     | 18      | 0    |          |  |
| 19        | 0.990   | 2.85          | 3.03    | 1.76    | 3.28    | 0.02  | 0.718      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 3    |          |  |
| 20        | 0.670   | 2.94          | 3.15    | 1.97    | 3.49    | 0.02  | 0.995      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      | 0.25 |          |  |
| 21        | 0.650   | 2.75          | 2.93    | 1.96    | 3.40    | 0.03  | 1.326      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 21      | 0.25 |          |  |
| 22        | 0.810   | 3.14          | 3.04    | 2.34    | 3.69    | 0.04  | 1.056      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 22      | 0.2  |          |  |
| 23        | 1.610   | 3.46          | 3.22    | 2.83    | 3.41    | 0.07  | 0.830      | 6.9      | 7.1          | 2    | 1.0     | 2.3               | 2.9   | 96     | 520      | 308  | 13.4       | 30.88   | 38.94   | 1289    | 6982     | 23      | 0.39 |          |  |
| 24        | 0.760   | 3.13          | 2.85    | 2.42    | 3.64    | 0.06  | 1.097      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 24      | 0    |          |  |
| 25        | 0.980   | 3.45          | 3.10    | 2.96    | 3.83    | 0.07  | 0.997      | 7.4      | 7.2          |      | 1.4     | 1.3               | 2.0   | 92     | 528      | 302  | 11.4       | 10.63   | 16.35   | 752     | 4315     | 25      | 0.35 |          |  |
| 26        | 0.880   | 3.62          | 3.33    | 3.42    | 3.50    | 0.06  | 0.629      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      | 0    |          |  |
| 27        | 0.970   | 3.53          | 3.21    | 2.73    | 3.61    | 0.05  | 0.975      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      | 0    |          |  |
| 28        | 0.980   | 3.41          | 3.32    | 3.14    | 3.42    | 0.05  | 1.383      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 28      | 0    |          |  |
| 29        | 2.720   | 3.70          | 3.44    | 3.31    | 3.61    | 0.06  | 1.081      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 29      | 0    |          |  |
| 30        | 0.980   | 3.62          | 3.60    | 3.40    | 3.73    | 0.03  | 0.876      | 6.6      | 7.2          | 2    | 7.3     | 2.0               | 3.5   | 99     | 604      | 280  | 59.66      | 16.35   | 28.61   | 809     | 4937     | 30      | 0.3  |          |  |
| 31        | 0.750   | 3.61          | 3.79    | 3.32    | 3.65    | 0.05  | 1.301      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 31      | 0.25 |          |  |

| Average Lbs/ Day: |       |      |  |  |  |  |       |       |     |     | 19.19 | 8.01 | 27.22 | 1133 | 5629 |  |       |       |       |      |      |      |
|-------------------|-------|------|--|--|--|--|-------|-------|-----|-----|-------|------|-------|------|------|--|-------|-------|-------|------|------|------|
| AVG               | 1.006 |      |  |  |  |  | 1.006 |       |     | 2   | 2.24  | 0.82 | 3.17  | 130  | 650  |  |       |       |       |      |      |      |
| MIN               | 0.650 | 1.53 |  |  |  |  | 0.629 | 5.4   | 6.9 | 2   | 1.0   | 0.1  | 2.0   | 83   | 520  |  | 8.29  | 0.65  | 16.35 | 572  | 4007 | 0.00 |
| MAX               | 2.720 | 3.87 |  |  |  |  | 0.07  | 1.383 |     | 7.4 | 2     | 7.3  | 2.3   | 183  | 808  |  | 59.66 | 30.88 | 45.86 | 2152 | 8843 | 3.00 |

2-Hour Peak Flow,  
<5,000 GPM:

1,458

Reading 8/1/2022 70618

Reading 9/1/2022 101805

# of days 31

Daily Average Flow= 1.00603

3/24/22: Flow meter damaged.

5/18/22: Flow meter recalibrated and reset.

|                                       |       |       |       |       |       |       |       |       |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows           | 01/22 | 0.957 | 04/22 | 0.977 | 07/22 | 0.928 | 10/21 | 0.951 |
|                                       | 02/22 | 0.953 | 05/22 | 0.971 | 08/22 | 1.006 | 11/21 | 0.948 |
|                                       | 03/22 | 0.855 | 06/22 | 0.935 | 09/21 | 0.965 | 12/21 | 0.924 |
| Annual Average Flow:                  |       |       |       |       |       |       |       | 0.948 |
| Reading 9/1/2021 987676 0 0           |       |       |       |       |       |       |       |       |
| Reading 9/1/2022 1176970 54939 101805 |       |       |       |       |       |       |       |       |
| Total:                                |       |       |       |       |       |       |       |       |
| Annual Average Flow: 0.948 MGD        |       |       |       |       |       |       |       |       |
| Capacity: 56%                         |       |       |       |       |       |       |       |       |

Total 6.69



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

September 2022

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           | Composite Samples |      |       |      |          |      |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|-------------------|------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli           | TSS  | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | >1.0          |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml            | mg/l | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63                | 15   | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 0.890   | 3.73          | 3.71    | 3.54    | 3.54    | 0.04     | 0.811      | 7.3          | 7.4       |                   | 1.0  | 0.1   | 2.0  | 91       | 444  | 376        | 7.42    | 0.74    | 14.85   | 675      | 3296    | 1   | 0        |
| 2         | 0.880   | 3.54          | 3.48    | 3.58    | 3.46    | 0.03     | 0.771      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 2   | 0        |
| 3         | 1.002   | 3.72          | 3.44    | 3.32    | 3.61    | 0.03     | 1.309      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 3   | 0        |
| 4         | 1.012   | 3.71          | 3.60    | 3.55    | 3.45    | 0.03     | 0.598      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 4   | 1.2      |
| 5         | 1.001   | 3.64          | 3.81    | 3.52    | 3.72    | 0.02     | 1.398      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 5   | 0        |
| 6         | 1.660   | 3.83          | 3.69    | 3.20    | 3.51    | 0.04     | 1.047      | 7.4          | 7.2       |                   | 1.0  | 0.3   | 2.8  | 86       | 568  | 292        | 13.84   | 4.15    | 38.76   | 1191     | 7864    | 6   | 0        |
| 7         | 0.000   | 3.55          | 3.52    | 3.71    | 3.39    | 0.06     | 0.675      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 7   | 0        |
| 8         | 0.690   | 3.70          | 3.85    | 3.54    | 3.64    | 0.05     | 0.942      | 7.2          | 7.3       | 49                | 2.6  | 0.1   | 2.1  | 93       | 452  | 248        | 14.96   | 0.58    | 12.08   | 535      | 2601    | 8   | 0.15     |
| 9         | 0.930   | 3.46          | 3.42    | 3.83    | 3.34    | 0.07     | 1.154      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 9   | 0        |
| 10        | 0.980   | 3.83          | 3.58    | 3.35    | 3.71    | 0.06     | 0.904      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 10  | 0        |
| 11        | 0.620   | 3.81          | 3.74    | 3.62    | 3.60    | 0.05     | 1.256      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 11  | 0        |
| 12        | 0.800   | 3.64          | 3.57    | 3.73    | 3.85    | 0.06     | 1.116      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 12  | 0        |
| 13        | 0.820   | 3.72          | 3.85    | 3.81    | 3.72    | 0.07     | 0.623      | 6.8          | 7.2       |                   | 6.0  | 1.3   | 3.2  | 164      | 716  | 224        | 41.03   | 8.89    | 21.88   | 1122     | 4897    | 13  | 0        |
| 14        | 0.600   | 3.60          | 3.36    | 3.49    | 3.47    | 0.06     | 1.166      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 14  | 0        |
| 15        | 0.750   | 3.55          | 3.43    | 3.74    | 3.64    | 0.07     | 0.756      | 7.2          | 6.9       | 2                 | 2.4  | 0.1   | 2.8  | 167      | 804  | 214        | 15.01   | 0.63    | 17.51   | 1045     | 5029    | 15  | 0        |
| 16        | 0.690   | 3.43          | 3.65    | 3.46    | 3.31    | 0.06     | 0.878      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 16  | 0        |
| 17        | 0.910   | 3.61          | 3.52    | 3.53    | 3.42    | 0.06     | 0.960      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 17  | 0        |
| 18        | 0.970   | 3.52          | 3.54    | 3.53    | 3.51    | 0.06     | 1.283      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 18  | 0        |
| 19        | 1.590   | 3.45          | 3.66    | 3.74    | 3.25    | 0.08     | 0.914      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 19  | 0        |
| 20        | 0.770   | 3.53          | 3.71    | 3.45    | 3.43    | 0.07     | 0.812      | 6.4          | 7.6       | 2                 | 3.0  | 0.7   | 3.7  | 175      | 824  | 292        | 19.27   | 4.50    | 23.76   | 1124     | 5292    | 20  | 0        |
| 21        | 0.630   | 3.37          | 3.45    | 3.64    | 3.66    | 0.06     | 1.122      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 21  | 0        |
| 22        | 0.720   | 3.75          | 3.32    | 3.82    | 3.34    | 0.03     | 0.890      | 6.9          | 7.6       |                   | 1.9  | 0.1   | 4.8  | 181      | 728  | 281        | 11.41   | 0.60    | 28.82   | 1087     | 4371    | 22  | 0        |
| 23        | 0.730   | 3.42          | 3.54    | 3.43    | 3.57    | 0.04     | 1.073      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 23  | 0        |
| 24        | 0.892   | 3.75          | 3.61    | 3.23    | 3.24    | 0.04     | 0.612      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 24  | 0        |
| 25        | 0.942   | 3.43          | 3.82    | 3.76    | 3.63    | 0.03     | 0.228      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 25  | 0        |
| 26        | 0.740   | 3.61          | 3.54    | 3.65    | 3.52    | 0.05     | 1.744      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 26  | 0        |
| 27        | 1.061   | 3.74          | 3.70    | 3.84    | 3.81    | 0.04     | 1.077      | 7.2          | 7.4       | 2                 | 1.5  | 0.3   | 3.1  | 87       | 464  | 226        | 13.27   | 2.65    | 27.43   | 770      | 4106    | 27  | 0        |
| 28        | 0.740   | 3.32          | 3.73    | 3.79    | 3.46    | 0.06     | 1.049      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 28  | 0        |
| 29        | 1.490   | 3.20          | 3.44    | 3.57    | 3.74    | 0.05     | 0.560      | 8.1          | 7.6       |                   | 1.0  | 0.1   | 2.3  | 100      | 532  | 226        | 12.43   | 1.24    | 28.58   | 1240     | 6611    | 29  | 0        |
| 30        | 0.560   | 3.43          | 3.65    | 3.57    | 3.35    | 0.04     | 0.881      |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 30  | 0        |
| 31        |         |               |         |         |         |          |            |              |           |                   |      |       |      |          |      |            |         |         |         |          |         | 31  |          |

|                   |       |      |  |  |  |      |       |     |     |    |       |      |       |     |      |  |       |      |       |      |      |  |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|----|-------|------|-------|-----|------|--|-------|------|-------|------|------|--|------|
| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |    | 16.52 | 2.66 | 23.74 | 976 | 4896 |  |       |      |       |      |      |  |      |
| AVG               | 0.954 |      |  |  |  |      | 0.954 |     |     | 4  | 2.27  | 0.34 | 2.98  | 127 | 615  |  |       |      |       |      |      |  |      |
| MIN               | 0.000 | 3.20 |  |  |  |      | 0.228 | 6.4 | 6.9 | 2  | 1.0   | 0.1  | 2.0   | 86  | 444  |  | 7.42  | 0.58 | 12.08 | 535  | 2601 |  | 0.00 |
| MAX               | 1.660 | 3.85 |  |  |  | 0.08 | 1.744 |     | 7.6 | 49 | 6.0   | 1.3  | 4.8   | 181 | 824  |  | 41.03 | 8.89 | 38.76 | 1240 | 7864 |  | 1.20 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,263                            |

Reading 9/1/2022 101805  
Reading 10/1/2022 130414  
# of days Total Flow 30  
Daily Average Flow= 0.954  
3/24/22: Flow meter damaged.  
5/18/22: Flow meter recalibrated and reset.

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/22 | 0.957 | 04/22 | 0.977 | 07/22 | 0.928 | 10/21 | 0.951 |
|                             | 02/22 | 0.953 | 05/22 | 0.971 | 08/22 | 1.006 | 11/21 | 0.948 |
|                             | 03/22 | 0.855 | 06/22 | 0.935 | 09/22 | 0.954 | 12/21 | 0.924 |

Annual Average Flow: 0.947

Reading 10/1/2021 1016630 0 0  
Reading 10/1/2022 1176970 54939 130414

Annual Average Flow: 0.947 MGD  
Capacity: 53%

Total 1.35

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

October 2022

| TX0124907 |         | Grab Samples  |         |         |         |       |            | Grab Samples |           |      | Composite Samples |      |       |        |          |      |            |         |         |         |          |         |     |          |  |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|--------------|-----------|------|-------------------|------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|--|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD     | DO        | pH   | E. coli           | TSS  | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |  |  |
|           | Flow    | >1.0          |         |         |         |       | <0.1       | 1.800        | mg/L      | S.U. | CFU/ml            | mg/l | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |  |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0          | 6.5 - 9.0 | 63   | 15                | 3    | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |     |          |  |  |
| 1         | 0.620   | 3.56          | 3.80    | 3.71    | 3.62    | 0.05  | 0.979      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 1       | 0   |          |  |  |
| 2         | 1.005   | 3.64          | 3.72    | 3.64    | 3.43    | 0.05  | 1.146      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 2       | 0   |          |  |  |
| 3         | 0.770   | 3.25          | 3.51    | 3.66    | 3.74    | 0.04  | 0.621      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 3       | 0   |          |  |  |
| 4         | 0.620   | 3.45          | 3.33    | 3.45    | 3.76    | 0.00  | 0.993      | 7.0          | 7.3       | 2    | 1.8               | 1.3  | 3.8   | 157    | 776      | 246  | 9.31       | 6.72    | 19.65   | 812     | 4013     | 4       | 0   |          |  |  |
| 5         | 0.960   | 3.77          | 3.64    | 3.87    | 3.64    | 0.02  | 0.952      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 5       | 0   |          |  |  |
| 6         | 0.730   | 3.36          | 3.47    | 3.24    | 3.52    | 0.03  | 0.947      | 8.4          | 7.3       |      | 1.1               | 0.3  | 2.0   | 95     | 552      | 298  | 6.70       | 1.83    | 12.18   | 578     | 3361     | 6       | 0   |          |  |  |
| 7         | 0.840   | 3.53          | 3.55    | 3.63    | 3.85    | 0.02  | 0.632      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 7       | 0   |          |  |  |
| 8         | 0.530   | 3.48          | 3.33    | 3.65    | 3.63    | 0.02  | 0.937      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 8       | 0   |          |  |  |
| 9         | 0.580   | 3.26          | 3.62    | 3.76    | 3.74    | 0.03  | 0.854      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 9       | 0   |          |  |  |
| 10        | 0.885   | 3.37          | 3.35    | 3.64    | 3.62    | 0.02  | 0.994      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 10      | 0   |          |  |  |
| 11        | 0.912   | 3.54          | 3.62    | 3.63    | 3.54    | 0.02  | 0.957      | 7.3          | 7.2       | 2    | 1.9               | 1.7  | 3.6   | 138    | 736      | 312  | 14.45      | 12.93   | 27.38   | 1050    | 5598     | 11      | 0   |          |  |  |
| 12        | 0.940   | 3.43          | 3.24    | 3.57    | 3.73    | 0.03  | 0.725      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 12      | 0   |          |  |  |
| 13        | 0.690   | 3.74          | 3.56    | 3.25    | 3.25    | 0.02  | 1.077      | 7.7          | 7.4       |      | 3.1               | 0.7  | 3.9   | 132    | 708      | 302  | 17.84      | 4.03    | 22.44   | 760     | 4074     | 13      | 0   |          |  |  |
| 14        | 0.980   | 3.15          | 3.35    | 3.42    | 3.47    | 0.03  | 0.841      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 14      | 0   |          |  |  |
| 15        | 0.842   | 3.72          | 3.53    | 3.64    | 3.55    | 0.02  | 0.938      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 15      | 0   |          |  |  |
| 16        | 0.928   | 3.64          | 3.24    | 3.47    | 3.42    | 0.02  | 1.262      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 16      | 0   |          |  |  |
| 17        | 0.910   | 3.46          | 3.42    | 3.25    | 3.01    | 0.03  | 1.066      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 17      | 0   |          |  |  |
| 18        | 0.790   | 3.74          | 3.77    | 3.82    | 3.76    | 0.05  | 1.023      | 7.5          | 7.5       | 2    | 1.8               | 1.0  | 2.9   | 85     | 496      | 294  | 11.86      | 6.59    | 19.11   | 562     | 3268     | 18      | 0   |          |  |  |
| 19        | 0.980   | 3.51          | 3.50    | 3.56    | 3.44    | 0.07  | 0.981      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 19      | 0   |          |  |  |
| 20        | 0.770   | 3.25          | 3.65    | 3.64    | 3.78    | 0.06  | 1.072      | 6.8          | 7.6       |      | 4.0               | 0.5  | 3.2   | 114    | 632      | 320  | 25.69      | 3.21    | 20.55   | 732     | 4059     | 20      | 0   |          |  |  |
| 21        | 0.880   | 3.43          | 3.83    | 3.31    | 3.53    | 0.07  | 0.596      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 21      | 0   |          |  |  |
| 22        | 0.630   | 3.34          | 3.83    | 3.31    | 3.53    | 0.04  | 0.913      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 22      | 0   |          |  |  |
| 23        | 0.610   | 3.43          | 3.74    | 3.13    | 3.25    | 0.05  | 1.185      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 23      | 0   |          |  |  |
| 24        | 1.050   | 3.60          | 3.51    | 3.55    | 3.74    | 0.07  | 1.041      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 24      | 0   |          |  |  |
| 25        | 0.990   | 3.52          | 3.85    | 3.70    | 3.42    | 0.05  | 0.881      | 7.0          | 7.5       | 2    | 4.4               | 2.4  | 3.3   | 142    | 532      | 304  | 36.33      | 19.82   | 27.25   | 1172    | 4393     | 25      | 0   |          |  |  |
| 26        | 0.860   | 3.86          | 3.66    | 3.82    | 3.65    | 0.07  | 0.922      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 26      | 0   |          |  |  |
| 27        | 1.002   | 3.61          | 3.32    | 3.44    | 3.33    | 0.05  | 0.701      | 9.2          | 7.5       |      | 1.5               | 0.1  | 3.7   | 143    | 760      | 378  | 12.54      | 0.84    | 30.92   | 1195    | 6351     | 27      | 0   |          |  |  |
| 28        | 0.620   | 3.74          | 3.57    | 3.67    | 3.51    | 0.07  | 0.951      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 28      | 0.3 |          |  |  |
| 29        | 0.960   | 3.52          | 3.63    | 3.75    | 2.24    | 0.06  | 0.931      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 29      | 0   |          |  |  |
| 30        | 0.940   | 3.63          | 3.44    | 3.53    | 1.95    | 0.08  | 1.319      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 30      | 0   |          |  |  |
| 31        | 0.820   | 3.81          | 3.71    | 3.70    | 3.62    | 0.05  | 0.657      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 31      | 0   |          |  |  |

|                   |       |      |  |  |       |       |     |     |      |       |      |       |     |      |      |       |       |       |      |      |
|-------------------|-------|------|--|--|-------|-------|-----|-----|------|-------|------|-------|-----|------|------|-------|-------|-------|------|------|
| Average Lbs/ Day: |       |      |  |  |       |       |     |     |      | 16.84 | 6.99 | 22.43 | 858 | 4389 |      |       |       |       |      |      |
| AVG               | 0.939 |      |  |  | 0.939 |       |     | 2   | 2.45 | 1.00  | 3.30 | 126   | 649 |      |      |       |       |       |      |      |
| MIN               | 0.530 | 1.95 |  |  | 0.596 | 6.8   | 7.2 | 2   | 1.1  | 0.1   | 2.0  | 85    | 496 |      | 6.70 | 0.84  | 12.18 | 562   | 3268 |      |
| MAX               | 1.050 | 3.87 |  |  | 0.08  | 1.319 |     | 7.6 | 2    | 4.4   | 2.4  | 3.9   | 157 | 776  |      | 36.33 | 19.82 | 30.92 | 1195 | 6351 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,215                            |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/22 | 0.957 | 04/22 | 0.977 | 07/22 | 0.928 | 10/22 | 0.939 |
|                             | 02/22 | 0.953 | 05/22 | 0.971 | 08/22 | 1.006 | 11/21 | 0.948 |
|                             | 03/22 | 0.855 | 06/22 | 0.935 | 09/22 | 0.954 | 12/21 | 0.924 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.946 |       |

Total 0.3

Reading 10/1/2022 130414  
Reading 11/1/2022 159508

# of days 31  
Daily Average Flow= 0.939  
3/24/22: Flow meter damaged.  
5/18/22: Flow meter recalibrated and reset.

Reading 11/1/2021 1046100 0 0  
Reading 11/1/2022 1176970 54939 159508

Annual Average Flow: 0.946 MGD  
Capacity: 0%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

November 2022

| TX0124907 |         | Grab Samples  |         |         |         |       |            | Grab Samples |           |      | Composite Samples |      |       |        |          |      |            |         |         |         |          |         |      |          |  |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|--------------|-----------|------|-------------------|------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|--|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD     | DO        | pH   | E. coli           | TSS  | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |  |
|           | Flow    | >1.0          |         |         |         |       | <0.1       | 1.800        | mg/L      | S.U. | CFU/ml            | mg/l | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |  |
| Permit    | MGD     | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0          | 6.5 - 9.0 | 63   | 15                | 3    | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |  |  |
| 1         | 0.640   | 3.40          | 3.55    | 3.52    | 3.73    | 0.06  | 0.791      | 7.3          | 7.5       | 2    | 2.5               | 2.6  | 2.0   | 80     | 436      | 160  | 13.34      | 13.88   | 10.68   | 427     | 2327     | 1       | 0.7  |          |  |  |
| 2         | 0.870   | 3.72          | 3.62    | 3.81    | 3.47    | 0.07  | 1.404      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 2       | 1    |          |  |  |
| 3         | 0.740   | 3.51          | 3.80    | 3.45    | 3.64    | 0.04  | 1.249      | 8.2          | 7.5       |      | 1.7               | 2.3  | 3.8   | 148    | 716      | 304  | 10.49      | 14.19   | 23.45   | 913     | 4419     | 3       | 0    |          |  |  |
| 4         | 0.820   | 3.62          | 3.71    | 3.82    | 3.85    | 0.03  | 0.443      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 4       | 0    |          |  |  |
| 5         | 0.961   | 3.61          | 3.80    | 3.85    | 3.82    | 0.03  | 0.871      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 5       | 0.2  |          |  |  |
| 6         | 0.886   | 3.40          | 3.53    | 3.52    | 3.73    | 0.03  | 1.275      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 6       | 0    |          |  |  |
| 7         | 0.911   | 3.73          | 3.62    | 3.44    | 3.75    | 0.04  | 0.760      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 7       | 0    |          |  |  |
| 8         | 0.680   | 3.78          | 3.70    | 3.63    | 3.51    | 0.02  | 0.995      | 6.6          | 7.3       | 2    |                   |      |       |        |          |      |            |         |         |         |          | 8       | 0    |          |  |  |
| 9         | 0.853   | 3.60          | 3.34    | 3.66    | 3.69    | 0.04  | 0.655      | 7.7          | 7.6       |      | 2.1               | 1.5  | 3.2   | 92     | 320      | 110  | 14.94      | 10.67   | 22.76   | 654     | 2276     | 9       | 0    |          |  |  |
| 10        | 0.780   | 3.34          | 3.43    | 3.55    | 3.44    | 0.02  | 0.937      | 6.4          | 7.5       |      | 3.8               | 1.0  | 2.0   | 90     | 268      | 96   | 24.72      | 6.51    | 13.01   | 585     | 1743     | 10      | 0    |          |  |  |
| 11        | 0.700   | 3.43          | 3.52    | 3.31    | 3.52    | 0.03  | 0.877      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 11      | 0    |          |  |  |
| 12        | 0.630   | 3.35          | 3.33    | 3.32    | 3.42    | 0.02  | 0.834      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 12      | 0.1  |          |  |  |
| 13        | 0.620   | 3.33          | 3.64    | 3.44    | 3.53    | 0.03  | 1.218      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 13      | 0    |          |  |  |
| 14        | 0.810   | 3.61          | 3.83    | 3.53    | 3.71    | 0.05  | 1.005      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 14      | 0    |          |  |  |
| 15        | 0.820   | 3.40          | 3.54    | 3.65    | 3.60    | 0.02  | 1.038      | 7.9          | 7.4       | 2    | 8.4               | 0.8  | 5.9   | 180    | 716      | 288  | 57.45      | 5.47    | 40.35   | 1231    | 4897     | 15      | 0    |          |  |  |
| 16        | 0.850   | 3.83          | 3.63    | 3.43    | 2.92    | 0.04  | 0.465      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 16      | 0    |          |  |  |
| 17        | 0.740   | 3.69          | 3.71    | 3.25    | 3.00    | 0.03  | 1.249      | 10.6         | 7.9       |      | 6.4               | 0.1  | 3.2   | 160    | 632      | 284  | 39.50      | 0.62    | 19.75   | 987     | 3900     | 17      | 0    |          |  |  |
| 18        | 0.850   | 3.32          | 3.12    | 3.53    | 3.83    | 0.04  | 0.492      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 18      | 0    |          |  |  |
| 19        | 0.900   | 3.50          | 3.32    | 3.62    | 3.71    | 0.01  | 0.917      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 19      | 0    |          |  |  |
| 20        | 0.940   | 3.41          | 3.53    | 3.42    | 3.60    | 0.02  | 0.939      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 20      | 0.2  |          |  |  |
| 21        | 0.600   | 2.91          | 3.01    | 3.63    | 3.33    | 0.04  | 1.168      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 21      | 0.5  |          |  |  |
| 22        | 0.780   | 3.82          | 3.82    | 3.82    | 3.82    | 0.07  | 0.840      | 7.3          | 7.1       | 2    | 2.1               | 1.4  | 2.2   | 168    | 812      | 256  | 13.66      | 9.11    | 14.31   | 1093    | 5282     | 22      | 0.15 |          |  |  |
| 23        | 0.740   | 3.80          | 3.80    | 3.80    | 3.80    | 0.04  | 0.634      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 23      | 0.2  |          |  |  |
| 24        | 0.850   | 3.83          | 3.43    | 3.60    | 3.81    | 0.04  | 1.015      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 24      | 0    |          |  |  |
| 25        | 0.991   | 3.74          | 3.49    | 3.44    | 3.79    | 0.03  | 1.399      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 25      | 0.3  |          |  |  |
| 26        | 0.879   | 3.42          | 3.69    | 3.65    | 3.80    | 0.03  | 0.440      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 26      | 0.8  |          |  |  |
| 27        | 1.027   | 3.84          | 3.83    | 3.71    | 3.80    | 0.03  | 1.147      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 27      | 0    |          |  |  |
| 28        | 0.720   | 3.81          | 3.81    | 3.81    | 3.61    | 0.05  | 1.149      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 28      | 0    |          |  |  |
| 29        | 0.870   | 3.70          | 3.70    | 3.40    | 3.80    | 0.00  | 0.913      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 29      | 0    |          |  |  |
| 30        | 0.870   | 3.82          | 3.02    | 3.82    | 3.72    | 0.02  | 1.022      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 30      | 0    |          |  |  |
| 31        |         |               |         |         |         |       |            |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 31      |      |          |  |  |

|                   |       |      |  |  |  |       |       |       |     |      |       |      |       |     |      |  |       |       |       |      |      |      |
|-------------------|-------|------|--|--|--|-------|-------|-------|-----|------|-------|------|-------|-----|------|--|-------|-------|-------|------|------|------|
| Average Lbs/ Day: |       |      |  |  |  |       |       |       |     |      | 24.87 | 8.63 | 20.62 | 842 | 3549 |  |       |       |       |      |      |      |
| AVG               | 0.938 |      |  |  |  | 0.938 |       |       | 2   | 3.86 | 1.39  | 3.19 | 131   | 557 |      |  |       |       |       |      |      |      |
| MIN               | 0.600 | 2.91 |  |  |  |       | 0.440 | 6.4   | 7.1 | 2    | 1.7   | 0.1  | 2.0   | 80  | 268  |  | 10.49 | 0.62  | 10.68 | 427  | 1743 | 0.00 |
| MAX               | 1.027 | 3.85 |  |  |  |       | 0.07  | 1.404 | 7.9 | 2    | 8.4   | 2.6  | 5.9   | 180 | 812  |  | 57.45 | 14.19 | 40.35 | 1231 | 5282 | 1.00 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,166                            |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/22 | 0.957 | 04/22 | 0.977 | 07/22 | 0.928 | 10/22 | 0.939 |
|                             | 02/22 | 0.953 | 05/22 | 0.971 | 08/22 | 1.006 | 11/22 | 0.938 |
|                             | 03/22 | 0.855 | 06/22 | 0.935 | 09/22 | 0.954 | 12/21 | 0.924 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.945 |       |

Total 4.15

Reading 11/1/2022 159508  
Reading 12/1/2022 187649  
# of days 30  
Daily Average Flow= 0.93803  
3/24/22: Flow meter damaged.  
5/18/22: Flow meter recalibrated and reset.

Reading 12/1/2021 1074550 0 0  
Reading 12/1/2022 1176970 54939 187649  
Annual Average Flow: 0.945 MGD  
Capacity: 52%

Due tp a lab error only one sample  
was collected the week of the 20th.  
See attached letter.



| HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE |         |               |         |         |         |       |            |          |              |      |         |                   |       |        |          | December |            | 2022    |         |         |          |         |      |          |
|-----------------------------------------------------------------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|----------|------------|---------|---------|---------|----------|---------|------|----------|
| TX0124907                                                       |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |          |            |         |         |         |          |         |      |          |
| DAY                                                             | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS      | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |
|                                                                 | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l     | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |
| Permit                                                          |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA       | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |
| 1                                                               | 0.910   | 2.43          | 3.33    | 3.33    | 2.83    | 0.00  | 0.828      | 7.6      | 7.8          |      | 3.4     | 1.5               | 3.6   | 159    | 736      | 270      | 25.80      | 11.38   | 27.32   | 1207    | 5586     | 1       | 0    |          |
| 2                                                               | 0.840   | 3.61          | 3.81    | 3.81    | 3.61    | 0.01  | 0.967      | 8.5      | 7.6          | 2    | 10.6    | 0.1               | 5.3   | 155    | 744      | 240      | 74.26      | 0.70    | 37.13   | 1086    | 5212     | 2       | 0    |          |
| 3                                                               | 0.800   | 3.80          | 3.60    | 3.40    | 3.10    | 0.00  | 0.670      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 3       | 0    |          |
| 4                                                               | 0.600   | 3.82          | 3.72    | 3.82    | 3.32    | 0.02  | 1.293      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 4       | 0    |          |
| 5                                                               | 0.910   | 3.81          | 3.41    | 3.61    | 3.51    | 0.00  | 0.653      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 5       | 0    |          |
| 6                                                               | 0.740   | 3.13          | 3.83    | 3.43    | 3.43    | 0.00  | 1.227      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 6       | 0.09 |          |
| 7                                                               | 0.790   | 4.60          | 4.40    | 2.30    | 1.80    | 0.00  | 0.869      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 7       | 0    |          |
| 8                                                               | 0.870   | 3.81          | 4.09    | 3.62    | 2.72    | 0.00  | 0.635      | 7.6      | 7.8          |      | 4.3     | 0.1               | 3.7   | 154    | 784      | 252      | 31.20      | 0.73    | 26.85   | 1117    | 5689     | 8       | 0    |          |
| 9                                                               | 0.670   | 3.92          | 4.02    | 3.32    | 4.32    | 0.00  | 0.985      | 7.7      | 7.6          | 2    | 4.7     | 0.1               | 3.0   | 154    | 672      | 226      | 26.26      | 0.56    | 16.76   | 861     | 3755     | 9       | 0    |          |
| 10                                                              | 0.650   | 3.80          | 3.80    | 3.10    | 4.10    | 0.00  | 1.412      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 10      | 0    |          |
| 11                                                              | 1.070   | 3.81          | 3.71    | 3.71    | 3.81    | 0.00  | 0.571      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 11      | 1.75 |          |
| 12                                                              | 0.650   | 1.43          | 2.13    | 2.43    | 3.93    | 0.00  | 1.344      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 12      | 1.1  |          |
| 13                                                              | 0.940   | 3.39          | 2.99    | 3.59    | 3.69    | 0.00  | 0.798      | 7.3      | 7.4          |      | 3.4     | 1.0               | 4.2   | 152    | 644      | 234      | 26.65      | 7.84    | 32.93   | 1192    | 5049     | 13      | 0.5  |          |
| 14                                                              | 0.850   | 3.81          | 3.81    | 3.71    | 3.31    | 0.00  | 0.871      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 14      | 2    |          |
| 15                                                              | 0.670   | 2.38          | 1.98    | 2.88    | 3.78    | 0.00  | 1.263      | 8.9      | 7.8          | 2    | 4.0     | 0.6               | 4.0   | 161    | 688      | 238      | 22.35      | 3.35    | 22.35   | 900     | 3844     | 15      | 0    |          |
| 16                                                              | 0.880   | 3.02          | 3.72    | 3.32    | 3.72    | 0.00  | 0.456      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 16      | 0    |          |
| 17                                                              | 0.918   | 3.21          | 3.60    | 3.40    | 3.69    | 0.00  | 0.867      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 17      | 0    |          |
| 18                                                              | 0.862   | 3.42          | 3.69    | 3.48    | 3.81    | 0.00  | 1.278      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 18      | 0    |          |
| 19                                                              | 0.820   | 2.58          | 2.88    | 2.28    | 3.78    | 0.00  | 0.588      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 19      | 1.75 |          |
| 20                                                              | 0.620   | 2.93          | 3.43    | 3.03    | 3.73    | 0.00  | 1.202      | 7.5      | 7.3          |      | 12.9    | 0.5               | 2.9   | 153    | 664      | 282      | 66.70      | 2.59    | 15.00   | 791     | 3433     | 20      | 0.25 |          |
| 21                                                              | 0.840   | 3.29          | 3.19    | 2.59    | 3.79    | 0.00  | 0.550      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 21      | 0    |          |
| 22                                                              | 0.670   | 1.42          | 1.92    | 3.12    | 3.42    | 0.00  | 1.084      | 9.0      | 7.8          | 2    | 4.5     | 0.6               | 3.7   | 147    | 816      | 230      | 25.15      | 3.35    | 20.67   | 821     | 4560     | 22      | 0    |          |
| 23                                                              | 0.973   | 2.44          | 2.72    | 3.11    | 3.71    | 0.00  | 1.326      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 23      | 0    |          |
| 24                                                              | 1.294   | 3.12          | 3.18    | 3.83    | 3.79    | 0.00  | 1.266      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 24      | 0    |          |
| 25                                                              | 1.272   | 3.56          | 3.43    | 3.79    | 3.70    | 0.00  | 1.391      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 25      | 0    |          |
| 26                                                              | 1.095   | 3.64          | 3.62    | 3.23    | 3.68    | 0.00  | 0.755      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 26      | 0    |          |
| 27                                                              | 0.770   | 3.10          | 3.00    | 2.80    | 3.40    | 0.05  | 0.880      | 7.4      | 7.5          |      | 2.2     | 2.2               | 2.6   | 150    | 740      | 244      | 14.13      | 14.13   | 16.70   | 963     | 4752     | 27      | 0    |          |
| 28                                                              | 0.720   | 3.42          | 3.72    | 3.02    | 3.82    | 0.00  | 0.763      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 28      | 0    |          |
| 29                                                              | 0.680   | 3.81          | 3.42    | 3.21    | 3.41    | 0.00  | 1.058      | 9.3      | 7.8          | 2    | 3.7     | 4.8               | 4.1   | 149    | 752      | 306      | 20.98      | 27.22   | 23.25   | 845     | 4265     | 29      | 0    |          |
| 30                                                              | 0.948   | 2.81          | 2.68    | 2.85    | 2.53    | 0.02  | 0.898      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 30      | 3    |          |
| 31                                                              | 1.002   | 2.99          | 2.91    | 2.82    | 2.62    | 0.01  | 0.839      |          |              |      |         |                   |       |        |          |          |            |         |         |         |          | 31      | 0    |          |

| Average Lbs/ Day: |       |      |  |  |  |       |       |     |     |      | 33.35 | 7.18 | 23.90 | 978 | 4614 |  |       |       |       |      |      |      |
|-------------------|-------|------|--|--|--|-------|-------|-----|-----|------|-------|------|-------|-----|------|--|-------|-------|-------|------|------|------|
| AVG               | 0.954 |      |  |  |  | 0.954 |       |     | 2   | 5.37 | 1.15  | 3.71 | 153   | 724 |      |  |       |       |       |      |      |      |
| MIN               | 0.600 | 1.42 |  |  |  |       | 0.456 | 7.3 | 7.3 | 2    | 2.2   | 0.1  | 2.6   | 147 | 644  |  | 14.13 | 0.56  | 15.00 | 791  | 3433 | 0.00 |
| MAX               | 1.294 | 4.60 |  |  |  | 0.05  | 1.412 |     | 7.8 | 2    | 12.9  | 4.8  | 5.3   | 161 | 816  |  | 74.26 | 27.22 | 37.13 | 1207 | 5689 | 3.00 |

2-Hour Peak Flow,  
<5,000 GPM:

1,361

Reading 12/1/2022 187649

Reading 1/1/2023 217236

# of days 31

Daily Average Flow= 0.954419

3/24/22: Flow meter damaged.

5/18/22: Flow meter recalibrated and reset.

Monthly Average Flows

01/22 0.957

02/22 0.953

03/22 0.855

04/22 0.977

05/22 0.971

06/22 0.935

07/22 0.928

08/22 1.006

09/22 0.954

10/22 0.939

11/22 0.938

12/22 0.954

Annual Average Flow: 0.947

Reading 1/1/2022 1103200 0 0

Reading 1/1/2023 1176970 54939 217236

Total

Annual Average Flow: 0.948 MGD

Capacity: 0%

Total 10.44

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM I PHASE

January 2023

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |      |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |  |
| 1         | 0.980   | 3.22          | 2.60    | 3.01    | 2.81    | 0.01  | 1.080      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 1       | 0    |          |  |
| 2         | 0.940   | 2.91          | 3.02    | 2.90    | 3.12    | 0.01  | 1.166      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 2       | 0    |          |  |
| 3         | 0.710   | 3.23          | 2.73    | 3.43    | 3.83    | 0.05  | 1.314      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 3       | 2.5  |          |  |
| 4         | 0.840   | 1.42          | 1.82    | 3.03    | 2.42    | 0.02  | 0.888      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 4       | 0    |          |  |
| 5         | 0.760   | 2.79          | 2.99    | 3.09    | 3.09    | 0.01  | 0.972      | 8.5      | 7.6          | 2    | 3.9     | 0.5               | 3.5   | 143    | 680      | 248  | 24.72      | 3.17    | 22.18   | 906     | 4310     | 5       | 0    |          |  |
| 6         | 0.850   | 4.28          | 3.88    | 1.68    | 3.38    | 0.00  | 0.645      | 7.5      | 7.4          |      | 3.9     | 0.6               | 3.3   | 147    | 656      | 296  | 27.65      | 4.25    | 23.39   | 1042    | 4650     | 6       | 0    |          |  |
| 7         | 0.939   | 3.80          | 3.89    | 2.12    | 3.50    | 0.00  | 1.500      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0    |          |  |
| 8         | 0.940   | 3.41          | 3.71    | 3.11    | 3.81    | 0.00  | 0.918      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 8       | 3.5  |          |  |
| 9         | 0.810   | 3.48          | 4.08    | 1.58    | 3.98    | 0.00  | 1.017      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 9       | 0    |          |  |
| 10        | 0.940   | 3.83          | 3.63    | 2.73    | 3.83    | 0.01  | 0.780      | 7.4      | 7.5          |      |         |                   |       |        |          |      |            |         |         |         |          | 10      | 0    |          |  |
| 11        | 0.750   | 3.71          | 4.01    | 1.71    | 3.71    | 0.00  | 1.156      | 7.6      | 7.7          |      | 6.2     | 0.7               | 2.8   | 141    | 792      | 248  | 38.78      | 4.38    | 17.51   | 882     | 4954     | 11      | 0    |          |  |
| 12        | 0.800   | 3.41          | 3.71    | 2.41    | 3.41    | 0.00  | 0.724      | 8.1      | 7.6          | 2    | 10.0    | 0.4               | 2.0   | 116    | 636      | 284  | 66.72      | 2.67    | 13.34   | 774     | 4243     | 12      | 0    |          |  |
| 13        | 0.700   | 3.79          | 3.39    | 2.89    | 3.59    | 0.00  | 0.685      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0    |          |  |
| 14        | 0.500   | 3.30          | 3.32    | 2.70    | 3.51    | 0.01  | 0.752      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      | 0    |          |  |
| 15        | 0.520   | 3.51          | 3.79    | 2.42    | 3.70    | 0.01  | 1.111      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 15      | 0    |          |  |
| 16        | 0.700   | 3.13          | 3.73    | 2.83    | 3.73    | 0.02  | 0.770      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 16      | 0    |          |  |
| 17        | 0.808   | 1.22          | 1.35    | 1.83    | 3.88    | 0.07  | 0.893      | 6.5      | 7.3          |      | 2.8     | 0.5               | 2.0   | 152    | 700      | 264  | 18.53      | 3.37    | 13.48   | 1024    | 4717     | 17      | 0    |          |  |
| 18        | 0.720   | 2.73          | 1.53    | 3.03    | 4.23    | 0.04  | 0.642      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      | 0    |          |  |
| 19        | 0.720   | 2.31          | 2.01    | 2.31    | 4.01    | 0.02  | 0.593      | 8.3      | 7.7          | 2    | 4.6     | 0.3               | 2.0   | 153    | 652      | 262  | 27.62      | 1.80    | 12.01   | 919     | 3915     | 19      | 0    |          |  |
| 20        | 0.530   | 2.94          | 2.84    | 2.84    | 4.44    | 0.00  | 0.823      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      | 0    |          |  |
| 21        | 0.850   | 2.82          | 2.62    | 2.70    | 3.81    | 0.02  | 0.847      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 21      | 0    |          |  |
| 22        | 0.850   | 2.61          | 2.51    | 2.23    | 3.72    | 0.00  | 0.971      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 22      | 0    |          |  |
| 23        | 0.620   | 2.72          | 2.32    | 2.82    | 3.42    | 0.01  | 0.613      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 23      | 0    |          |  |
| 24        | 0.560   | 2.35          | 2.15    | 1.85    | 3.85    | 0.00  | 1.543      | 7.7      | 7.4          |      | 7.1     | 0.1               | 4.0   | 154    | 612      | 224  | 33.16      | 0.47    | 18.68   | 719     | 2858     | 24      | 0    |          |  |
| 25        | 0.780   | 2.84          | 2.54    | 2.64    | 4.04    | 0.02  | 0.968      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 25      | 5.25 |          |  |
| 26        | 0.790   | 3.16          | 3.86    | 2.86    | 3.86    | 0.03  | 0.798      | 9.8      | 7.9          | 22   | 5.3     | 0.2               | 2.9   | 143    | 363      | 196  | 34.92      | 1.32    | 19.11   | 942     | 2392     | 26      | 0.05 |          |  |
| 27        | 0.730   | 3.65          | 3.45    | 2.65    | 3.45    | 0.02  | 0.950      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      | 0    |          |  |
| 28        | 0.800   | 3.34          | 2.94    | 2.94    | 3.84    | 0.02  | 1.020      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 28      | 0.75 |          |  |
| 29        | 1.020   | 3.66          | 3.76    | 3.36    | 4.36    | 0.00  | 1.140      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 29      | 3.75 |          |  |
| 30        | 0.750   | 3.71          | 3.41    | 2.81    | 4.01    | 0.02  | 1.091      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 30      | 2.15 |          |  |
| 31        | 0.830   | 3.16          | 3.86    | 3.66    | 4.16    | 0.02  | 0.778      | 7.8      | 7.6          |      | 4.0     | 0.1               | 4.4   | 136    | 624      | 208  | 27.69      | 0.69    | 30.46   | 941     | 4319     | 31      | 0.15 |          |  |

|                   |       |      |  |  |  |      |       |     |     |    |       |      |       |     |      |  |       |      |       |      |      |  |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|----|-------|------|-------|-----|------|--|-------|------|-------|------|------|--|------|
| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |    | 33.31 | 2.46 | 18.91 | 906 | 4040 |  |       |      |       |      |      |  |      |
| AVG               | 0.940 |      |  |  |  |      | 0.940 |     |     | 4  | 5.31  | 0.38 | 2.99  | 143 | 635  |  |       |      |       |      |      |  |      |
| MIN               | 0.500 | 1.22 |  |  |  |      | 0.593 | 6.5 | 7.3 | 2  | 2.8   | 0.1  | 2.0   | 116 | 363  |  | 18.53 | 0.47 | 12.01 | 719  | 2392 |  | 0.00 |
| MAX               | 1.020 | 4.44 |  |  |  | 0.07 | 1.543 |     | 7.9 | 22 | 10.0  | 0.7  | 4.4   | 154 | 792  |  | 66.72 | 4.38 | 30.46 | 1042 | 4954 |  | 5.25 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 2,188                            |

Reading 1/1/2023 217236  
Reading 2/1/2023 246384  
# of days 31  
Daily Average Flow= 0.940 MGD  
3/24/22: Flow meter damaged.  
5/18/22: Flow meter recalibrated and reset.

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/23 | 0.940 | 04/22 | 0.977 | 07/22 | 0.928 | 10/22 | 0.939 |
|                             | 02/22 | 0.953 | 05/22 | 0.971 | 08/22 | 1.006 | 11/22 | 0.938 |
|                             | 03/22 | 0.855 | 06/22 | 0.935 | 09/22 | 0.954 | 12/22 | 0.954 |

Annual Average Flow: 0.946

Current  
Reading 2/1/2022 1132860 0 0  
Reading 2/1/2023 1176970 54939 246384  
Total  
Annual Average Flow: 0.946 MGD  
Capacity: 52%

Total 18.1

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

February 2023

| TX0124907 |         | Grab Samples  |         |         |         |       |            | Grab Samples |           |      | Composite Samples |      |       |        |          |      |            |         |         |         |          |         |      |          |
|-----------|---------|---------------|---------|---------|---------|-------|------------|--------------|-----------|------|-------------------|------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD     | DO        | pH   | E. coli           | TSS  | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800        | mg/L      | S.U. | CFU/ml            | mg/l | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0          | 6.5 - 9.0 | 63   | 15                | 3    | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |
| 1         | 0.800   | 3.42          | 3.42    | 2.92    | 3.92    | 0.01  | 1.030      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 1       | 1.05 |          |
| 2         | 0.860   | 3.63          | 3.73    | 3.53    | 3.83    | 0.01  | 0.853      | 9.8          | 7.2       | 2    | 4.9               | 0.1  | 3.0   | 144    | 760      | 162  | 35.14      | 0.72    | 21.52   | 1033    | 5451     | 2       | 2.15 |          |
| 3         | 0.780   | 2.99          | 3.79    | 3.19    | 3.99    | 0.01  | 0.542      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 3       | 0    |          |
| 4         | 0.600   | 3.12          | 3.68    | 3.31    | 3.80    | 0.01  | 0.870      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 4       | 0    |          |
| 5         | 0.590   | 3.31          | 3.80    | 3.12    | 3.71    | 0.01  | 1.222      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 5       | 0    |          |
| 6         | 0.770   | 2.93          | 3.43    | 3.43    | 3.83    | 0.01  | 0.938      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 6       | 0    |          |
| 7         | 0.890   | 2.31          | 2.91    | 3.11    | 3.61    | 0.01  | 0.878      | 7.3          | 7.4       |      | 5.0               | 0.9  | 2.3   | 155    | 820      | 204  | 37.11      | 6.68    | 17.07   | 1151    | 6087     | 7       | 0    |          |
| 8         | 0.880   | 2.92          | 3.72    | 3.42    | 3.82    | 0.00  | 0.926      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 8       | 1.5  |          |
| 9         | 0.920   | 2.68          | 3.08    | 3.08    | 4.08    | 0.02  | 0.820      | 9.2          | 7.1       | 2    | 4.7               | 0.3  | 2.5   | 169    | 752      | 204  | 36.06      | 2.30    | 19.18   | 1297    | 5770     | 9       | 0    |          |
| 10        | 0.870   | 3.26          | 2.76    | 3.76    | 3.96    | 0.01  | 0.522      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 10      | 0    |          |
| 11        | 0.840   | 2.83          | 2.92    | 3.34    | 3.81    | 0.02  | 0.851      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 11      | 0    |          |
| 12        | 0.840   | 2.62          | 3.10    | 3.41    | 3.82    | 0.02  | 1.123      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 12      | 0    |          |
| 13        | 0.910   | 2.96          | 3.46    | 3.16    | 3.86    | 0.01  | 0.940      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 13      | 0    |          |
| 14        | 0.910   | 2.54          | 3.24    | 2.95    | 3.45    | 0.01  | 0.795      | 7.0          | 7.4       |      | 3.3               | 0.1  | 3.6   | 168    | 736      | 210  | 25.05      | 0.76    | 27.32   | 1275    | 5586     | 14      | 0.15 |          |
| 15        | 0.920   | 3.11          | 2.91    | 3.51    | 3.81    | 0.01  | 1.136      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 15      | 0    |          |
| 16        | 0.930   | 1.99          | 3.09    | 3.39    | 3.39    | 0.02  | 0.839      | 9.8          | 7.5       | 1230 | 3.3               | 0.2  | 2.0   | 170    | 768      | 206  | 25.60      | 1.55    | 15.51   | 1319    | 5957     | 16      | 0.2  |          |
| 17        | 0.940   | 2.95          | 3.75    | 3.85    | 3.85    | 0.02  | 0.628      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 17      | 0    |          |
| 18        | 0.842   | 2.96          | 3.42    | 3.81    | 3.83    | 0.03  | 0.874      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 18      | 0    |          |
| 19        | 0.875   | 2.51          | 3.19    | 3.85    | 3.54    | 0.02  | 1.194      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 19      | 0    |          |
| 20        | 0.900   | 3.25          | 3.85    | 3.45    | 3.44    | 0.01  | 1.134      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 20      | 0    |          |
| 21        | 0.960   | 3.41          | 3.81    | 3.11    | 3.81    | 0.00  | 0.815      | 6.8          | 7.4       |      | 4.4               | 0.1  | 2.0   | 180    | 728      | 218  | 35.23      | 0.80    | 16.01   | 1441    | 5829     | 21      | 0    |          |
| 22        | 1.000   | 2.93          | 4.13    | 3.73    | 4.13    | 0.00  | 1.011      |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 22      | 0.15 |          |
| 23        | 1.020   | 3.25          | 3.85    | 3.85    | 4.05    | 0.02  | 1.011      | 8.7          | 7.6       | 2    | 3.6               | 0.2  | 3.2   | 178    | 740      | 216  | 30.62      | 1.70    | 27.22   | 1514    | 6295     | 23      | 0    |          |
| 24        | 0.990   | 3.49          | 3.89    | 3.79    | 3.89    | 0.01  | 0.649      |              |           |      |                   |      |       |        | 404      |      |            |         |         |         | 3336     | 24      | 0    |          |
| 25        | 0.720   | 3.32          | 3.80    | 3.60    | 3.80    | 0.01  | 0.953      |              |           |      |                   |      |       |        | 536      |      |            |         |         |         | 3219     | 25      | 0    |          |
| 26        | 0.730   | 3.43          | 3.90    | 3.69    | 3.68    | 0.01  | 1.317      |              |           |      |                   |      |       |        | 608      |      |            |         |         |         | 3702     | 26      | 0    |          |
| 27        | 1.020   | 4.03          | 5.13    | 3.63    | 1.83    | 0.08  | 0.973      |              |           |      |                   |      |       |        | 600      |      |            |         |         |         | 5104     | 27      | 0    |          |
| 28        | 0.950   | 3.89          | 4.69    | 4.06    | 2.79    | 0.04  | 0.970      | 6.6          | 7.2       |      | 2.8               | 0.2  | 3.3   | 177    | 780      | 190  | 22.18      | 1.58    | 26.15   | 1402    | 6180     | 28      | 0    |          |
| 29        |         |               |         |         |         |       |            |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 29      |      |          |
| 30        |         |               |         |         |         |       |            |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 30      |      |          |
| 31        |         |               |         |         |         |       |            |              |           |      |                   |      |       |        |          |      |            |         |         |         |          | 31      |      |          |

|                   |       |      |  |  |  |  |       |       |     |      |       |      |       |      |      |  |       |      |       |      |      |      |
|-------------------|-------|------|--|--|--|--|-------|-------|-----|------|-------|------|-------|------|------|--|-------|------|-------|------|------|------|
| Average Lbs/ Day: |       |      |  |  |  |  |       |       |     |      | 30.87 | 2.01 | 21.25 | 1304 | 5209 |  |       |      |       |      |      |      |
| AVG               | 0.922 |      |  |  |  |  | 0.922 |       |     | 10   | 4.00  | 0.26 | 2.74  | 168  | 686  |  |       |      |       |      |      |      |
| MIN               | 0.590 | 1.83 |  |  |  |  | 0.522 | 6.6   | 7.1 | 2    | 2.8   | 0.1  | 2.0   | 144  | 404  |  | 22.18 | 0.72 | 15.51 | 1033 | 3219 | 0.00 |
| MAX               | 1.020 | 5.13 |  |  |  |  | 0.08  | 1.317 | 7.6 | 1230 | 5.0   | 0.9  | 3.6   | 180  | 820  |  | 37.11 | 6.68 | 27.32 | 1514 | 6295 | 2.15 |

|                                     |
|-------------------------------------|
| 2-Hour Peak<br>Flow, <5,000<br>GPM: |
| 1,215                               |

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/23 | 0.940 | 04/22 | 0.977 | 07/22 | 0.928 | 10/22 | 0.939 |
| Average              | 02/23 | 0.922 | 05/22 | 0.971 | 08/22 | 1.006 | 11/22 | 0.938 |
| Flows                | 03/22 | 0.855 | 06/22 | 0.935 | 09/22 | 0.954 | 12/22 | 0.954 |
| Annual Average Flow: |       |       |       |       |       |       | 0.943 |       |

Total 5.2

Reading 2/1/2023 246384  
Reading 3/1/2023 272198  
# of days 29  
Daily Average Flow= 0.921929  
3/24/22: Flow meter damaged.  
5/18/22: Flow meter recalibrated and reset.

Current  
Reading 3/1/2021 1159530 0 0  
Reading 3/1/2023 1176970 54939 272198  
Total  
Annual Average Flow: 0.944 MGD  
Capacity: 51%



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

March 2023

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |      |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |  |
| 1         | 1.010   | 4.01          | 4.41    | 4.21    | 3.41    | 0.03  | 1.163      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 1       | 0    |          |  |
| 2         | 0.980   | 3.58          | 4.08    | 3.98    | 3.78    | 0.01  | 0.776      | 7.8      | 7.5          | 2    | 3.2     | 0.1               | 3.0   | 171    | 732      | 208  | 26.15      | 0.82    | 24.52   | 1398    | 5983     | 2       | 0    |          |  |
| 3         | 1.050   | 4.82          | 3.82    | 4.92    | 2.62    | 0.01  | 0.763      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 3       | 0.15 |          |  |
| 4         | 0.950   | 3.80          | 3.71    | 3.91    | 3.29    | 0.03  | 0.949      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 4       | 0    |          |  |
| 5         | 0.960   | 3.81          | 3.79    | 3.93    | 3.51    | 0.04  | 1.478      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0    |          |  |
| 6         | 0.980   | 4.09          | 3.99    | 4.39    | 2.79    | 0.02  | 0.792      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       | 0    |          |  |
| 7         | 1.080   | 2.21          | 3.41    | 4.21    | 3.01    | 0.03  | 1.181      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0.15 |          |  |
| 8         | 1.090   | 2.06          | 3.76    | 4.16    | 3.36    | 0.02  | 1.215      | 7.2      | 7.5          |      | 5.6     | 2.2               | 3.7   | 182    | 776      | 268  | 50.91      | 20.00   | 33.64   | 1654    | 7054     | 8       | 0    |          |  |
| 9         | 0.960   | 2.81          | 3.81    | 4.31    | 3.81    | 0.01  | 0.878      | 6.7      | 7.8          |      | 1.1     | 0.5               | 2.3   | 104    | 612      | 294  | 8.81       | 4.00    | 18.41   | 833     | 4900     | 9       | 0    |          |  |
| 10        | 1.020   | 3.05          | 3.65    | 4.15    | 4.15    | 0.02  | 0.538      |          |              | 2    |         |                   |       |        |          |      |            |         |         |         |          | 10      | 0    |          |  |
| 11        | 0.934   | 2.91          | 3.46    | 4.11    | 3.91    | 0.02  | 0.902      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 11      | 0    |          |  |
| 12        | 0.912   | 2.83          | 3.61    | 4.20    | 4.12    | 0.01  | 0.877      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0    |          |  |
| 13        | 0.890   | 4.31          | 4.03    | 4.01    | 3.91    | 0.01  | 0.941      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0    |          |  |
| 14        | 0.750   | 3.99          | 3.79    | 4.19    | 3.59    | 0.02  | 0.823      | 7.6      | 7.7          | 2    | 1.0     | 0.1               | 2.0   | 106    | 560      | 292  | 6.26       | 0.63    | 12.51   | 663     | 3503     | 14      | 0    |          |  |
| 15        | 0.740   | 3.83          | 3.53    | 4.13    | 3.83    | 0.02  | 0.521      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 15      | 0    |          |  |
| 16        | 0.830   | 3.62          | 3.11    | 3.91    | 3.79    | 0.01  | 0.901      | 8.8      | 7.8          |      | 5.8     | 0.1               | 2.0   | 172    | 744      | 192  | 40.15      | 0.69    | 13.84   | 1191    | 5150     | 16      | 0    |          |  |
| 17        | 0.740   | 3.78          | 3.47    | 3.96    | 3.67    | 0.03  | 0.777      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 17      | 2    |          |  |
| 18        | 0.620   | 3.74          | 3.25    | 3.94    | 3.55    | 0.02  | 0.843      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      | 0    |          |  |
| 19        | 0.630   | 3.62          | 3.34    | 3.82    | 3.64    | 0.02  | 1.099      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 0    |          |  |
| 20        | 0.900   | 4.03          | 4.11    | 4.11    | 3.81    | 0.01  | 1.052      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      | 0    |          |  |
| 21        | 0.980   | 3.85          | 3.95    | 3.95    | 4.35    | 0.03  | 0.961      | 7.3      | 7.4          |      | 2.2     | 0.1               | 3.2   | 181    | 776      | 204  | 17.98      | 0.82    | 26.15   | 1479    | 6342     | 21      | 0    |          |  |
| 22        | 1.080   | 4.09          | 4.19    | 3.79    | 3.99    | 0.02  | 1.108      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 22      | 0    |          |  |
| 23        | 0.950   | 3.81          | 3.41    | 3.41    | 3.81    | 0.01  | 0.963      | 7.9      | 7.8          | 2    | 1.0     | 0.1               | 2.0   | 99     | 540      | 288  | 7.92       | 0.79    | 15.85   | 784     | 4278     | 23      | 0    |          |  |
| 24        | 0.970   | 3.45          | 2.95    | 3.74    | 2.35    | 0.00  | 0.119      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 24      | 0.55 |          |  |
| 25        | 0.600   | 3.62          | 3.33    | 3.71    | 2.14    | 0.01  | 1.394      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 25      | 0    |          |  |
| 26        | 0.740   | 3.73          | 3.12    | 3.52    | 2.03    | 0.01  | 0.993      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      | 0    |          |  |
| 27        | 1.320   | 2.81          | 3.31    | 3.11    | 2.81    | 0.00  | 0.883      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      | 0    |          |  |
| 28        | 1.010   | 3.39          | 3.69    | 2.59    | 2.29    | 0.00  | 1.441      | 6.9      | 7.3          |      | 1.5     | 0.1               | 3.2   | 104    | 524      | 278  | 12.64      | 0.84    | 26.95   | 876     | 4414     | 28      | 0    |          |  |
| 29        | 0.970   | 3.11          | 4.11    | 3.71    | 3.41    | 0.01  | 0.861      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 29      | 0    |          |  |
| 30        | 1.010   | 3.80          | 3.90    | 4.30    | 4.40    | 0.02  | 0.971      | 8.3      | 7.4          | 2    | 1.2     | 0.1               | 2.2   | 99     | 504      | 282  | 10.11      | 0.84    | 18.53   | 836     | 4245     | 30      | 0    |          |  |
| 31        | 0.970   | 3.65          | 4.05    | 4.05    | 4.05    | 0.03  | 0.833      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 31      | 0    |          |  |

|                   |       |      |  |  |  |  |       |       |     |     |   |       |      |       |      |      |  |       |       |       |      |      |  |      |
|-------------------|-------|------|--|--|--|--|-------|-------|-----|-----|---|-------|------|-------|------|------|--|-------|-------|-------|------|------|--|------|
| Average Lbs/ Day: |       |      |  |  |  |  |       |       |     |     |   | 20.10 | 3.27 | 21.16 | 1079 | 5097 |  |       |       |       |      |      |  |      |
| AVG               | 0.935 |      |  |  |  |  | 0.935 |       |     | 2   |   | 2.51  | 0.38 | 2.62  | 135  | 641  |  |       |       |       |      |      |  |      |
| MIN               | 0.600 | 2.03 |  |  |  |  | 0.119 | 6.7   | 7.3 | 2   |   | 1.0   | 0.1  | 2.0   | 99   | 504  |  | 6.26  | 0.63  | 12.51 | 663  | 3503 |  | 0.00 |
| MAX               | 1.320 | 4.92 |  |  |  |  | 0.04  | 1.478 |     | 7.8 | 2 | 5.8   | 2.2  | 3.7   | 182  | 776  |  | 50.91 | 20.00 | 33.64 | 1654 | 7054 |  | 2.00 |

|                                  |       |         |       |       |                      |       |       |       |       |       |       |      |
|----------------------------------|-------|---------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|------|
| 2-Hour Peak Flow,<br><5,000 GPM: | 2,090 | Monthly | 01/23 | 0.940 | 04/22                | 0.977 | 07/22 | 0.928 | 10/22 | 0.939 | Total | 2.85 |
|                                  |       | Average | 02/23 | 0.922 | 05/22                | 0.971 | 08/22 | 1.006 | 11/22 | 0.938 |       |      |
|                                  |       | Flows   | 03/23 | 0.935 | 06/22                | 0.935 | 09/22 | 0.954 | 12/22 | 0.954 |       |      |
|                                  |       |         |       |       | Annual Average Flow: |       |       |       |       | 0.950 |       |      |

|                                             |          |        |    |                      |          |       |     |        |         |  |  |
|---------------------------------------------|----------|--------|----|----------------------|----------|-------|-----|--------|---------|--|--|
|                                             |          |        |    |                      |          | OLD   |     |        | Current |  |  |
| Reading                                     | 3/1/2023 | 272198 |    | Reading              | 4/1/2022 | 9073  |     | 0      |         |  |  |
| Reading                                     | 4/1/2023 | 301194 |    | Reading              | 4/1/2023 | 54939 |     | 301194 |         |  |  |
| # of days                                   |          |        | 31 | Annual Average Flow: |          | 0.951 | MGD |        |         |  |  |
| Daily Average Flow=                         |          | 0.935  |    | Capacity:            |          | 52%   |     |        |         |  |  |
| 5/18/22: Flow meter recalibrated and reset. |          |        |    |                      |          |       |     |        |         |  |  |

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

April 2023

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         | Composite Samples |       |      |          |      |            | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|-------------------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 0.964   | 3.41          | 3.80    | 4.23    | 3.91    | 0.02     | 0.780      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 1   | 0        |
| 2         | 0.985   | 3.59          | 4.01    | 3.91    | 4.10    | 0.03     | 1.384      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 2   | 0        |
| 3         | 1.010   | 3.84          | 4.34    | 4.24    | 3.64    | 0.01     | 1.081      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 3   | 0        |
| 4         | 1.000   | 4.01          | 4.11    | 4.13    | 3.83    | 0.02     | 1.202      | 7.0          | 7.3       |         | 1.8               | 0.1   | 2.3  | 160      | 728  | 276        | 15.01   | 0.83    | 19.18   | 1334     | 6072    | 4   | 0        |
| 5         | 1.100   | 4.65          | 4.55    | 4.85    | 4.35    | 0.03     | 0.517      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 5   | 1.5      |
| 6         | 1.440   | 4.13          | 4.84    | 4.94    | 4.44    | 0.03     | 0.517      | 7.8          | 7.4       | 2       | 1.8               | 0.1   | 2.0  | 161      | 768  | 228        | 21.62   | 1.20    | 24.02   | 1934     | 9223    | 6   | 5        |
| 7         | 0.889   | 4.55          | 4.51    | 4.61    | 4.14    | 0.00     | 0.225      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 7   | 0.8      |
| 8         | 1.010   | 4.07          | 4.10    | 4.02    | 3.92    | 0.01     | 0.531      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 8   | 2.5      |
| 9         | 0.940   | 4.15          | 3.98    | 3.89    | 3.91    | 0.02     | 1.429      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 9   | 0        |
| 10        | 0.960   | 3.99          | 4.19    | 4.19    | 4.39    | 0.02     | 0.823      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 10  | 0        |
| 11        | 0.970   | 4.44          | 4.34    | 4.14    | 3.44    | 0.01     | 1.025      | 7.2          | 7.5       |         | 1.6               | 0.1   | 4.8  | 160      | 772  | 204        | 12.94   | 0.81    | 38.83   | 1294     | 6245    | 11  | 0        |
| 12        | 0.930   | 4.02          | 4.02    | 4.32    | 4.02    | 0.02     | 0.477      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 12  | 0.75     |
| 13        | 0.590   | 4.13          | 4.43    | 4.13    | 4.23    | 0.02     | 1.277      | 6.7          | 7.5       | 2       | 1.4               | 0.1   | 2.0  | 155      | 812  | 238        | 6.89    | 0.49    | 9.84    | 763      | 3996    | 13  | 0        |
| 14        | 0.890   | 4.29          | 4.12    | 4.02    | 5.12    | 0.03     | 0.476      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 14  | 0        |
| 15        | 0.930   | 3.81          | 3.63    | 3.90    | 4.11    | 0.01     | 0.935      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 15  | 0        |
| 16        | 0.900   | 3.90          | 3.71    | 3.84    | 1.95    | 0.02     | 1.159      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 16  | 0        |
| 17        | 0.880   | 1.10          | 3.60    | 3.20    | 1.80    | 0.06     | 0.986      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 17  | 0        |
| 18        | 0.900   | 3.01          | 3.41    | 3.71    | 2.91    | 0.04     | 0.900      | 7.0          | 7.4       |         | 2.2               | 0.1   | 2.0  | 151      | 720  | 230        | 16.51   | 0.75    | 15.01   | 1133     | 5404    | 18  | 0        |
| 19        | 0.870   | 3.33          | 3.13    | 3.43    | 3.13    | 0.05     | 0.920      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 19  | 0        |
| 20        | 0.900   | 4.69          | 4.89    | 4.79    | 2.79    | 0.05     | 0.708      | 7.4          | 7.4       | 2       | 1.7               | 0.1   | 5.2  | 166      | 724  | 234        | 12.76   | 0.75    | 39.03   | 1246     | 5434    | 20  | 0.15     |
| 21        | 0.930   | 3.84          | 4.24    | 4.12    | 3.02    | 0.01     | 0.840      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 21  | 1        |
| 22        | 1.000   | 3.61          | 4.05    | 4.30    | 3.14    | 0.00     | 0.839      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 22  | 0        |
| 23        | 0.840   | 3.93          | 4.11    | 4.13    | 3.00    | 0.00     | 1.218      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 23  | 0        |
| 24        | 0.900   | 4.20          | 3.80    | 4.40    | 2.50    | 0.03     | 0.900      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 24  | 0        |
| 25        | 0.880   | 4.41          | 4.01    | 4.21    | 2.31    | 0.02     | 0.899      | 7.0          | 7.4       |         | 1.4               | 0.1   | 2.0  | 159      | 712  | 194        | 10.27   | 0.73    | 14.68   | 1167     | 5226    | 25  | 0        |
| 26        | 0.900   | 4.09          | 3.79    | 4.29    | 3.39    | 0.02     | 0.963      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 26  | 0        |
| 27        | 0.930   | 3.94          | 4.04    | 4.54    | 2.84    | 0.04     | 0.852      | 8.1          | 7.4       | 2       | 1.5               | 0.1   | 4.4  | 197      | 812  | 224        | 11.63   | 0.78    | 34.13   | 1528     | 6298    | 27  | 2        |
| 28        | 0.930   | 3.72          | 4.22    | 4.22    | 3.02    | 0.05     | 0.589      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 28  | 0        |
| 29        | 0.570   | 3.71          | 3.89    | 3.88    | 3.23    | 0.04     | 0.850      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 29  | 0.6      |
| 30        | 0.880   | 3.80          | 3.81    | 3.79    | 3.14    | 0.02     | 1.208      |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 30  | 0        |
| 31        |         |               |         |         |         |          |            |              |           |         |                   |       |      |          |      |            |         |         |         |          |         | 31  |          |

|                   |       |      |  |  |  |      |       |     |     |   |       |      |       |      |      |  |       |      |       |      |      |  |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|---|-------|------|-------|------|------|--|-------|------|-------|------|------|--|------|
| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |   | 13.46 | 0.79 | 24.34 | 1300 | 5987 |  |       |      |       |      |      |  |      |
| AVG               | 0.957 |      |  |  |  |      | 0.884 |     |     | 2 | 1.68  | 0.10 | 3.09  | 164  | 756  |  |       |      |       |      |      |  |      |
| MIN               | 0.570 | 1.10 |  |  |  |      | 0.225 | 6.7 | 7.3 | 2 | 1.4   | 0.1  | 2.0   | 151  | 712  |  | 6.89  | 0.49 | 9.84  | 763  | 3996 |  | 0.00 |
| MAX               | 1.440 | 5.12 |  |  |  | 0.06 | 1.429 |     | 7.5 | 2 | 2.2   | 0.1  | 5.2   | 197  | 812  |  | 21.62 | 1.20 | 39.03 | 1934 | 9223 |  | 5.00 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,312                            |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/23 | 0.940 | 04/23 | 0.957 | 07/22 | 0.928 | 10/22 | 0.939 |
|                             | 02/23 | 0.922 | 05/22 | 0.971 | 08/22 | 1.006 | 11/22 | 0.938 |
|                             | 03/23 | 0.935 | 06/22 | 0.935 | 09/22 | 0.954 | 12/22 | 0.954 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.948 |       |

Total 14.3

Reading 4/1-4/6 301194 0  
Reading 5/1/2023 306900 22990  
# of days 30  
Daily Average Flow= 0.95653  
5/18/22: Flow meter recalibrated and reset.  
4/6/23 storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

Old  
Reading 5/1/2022 45017 0  
Reading 5/1/2023 54939 306900 22990  
Annual Average Flow: 0.931 MGD  
Capacity: 53%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

May 2023

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |   |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|---|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |   | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |   | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |   |          |  |
| 1         | 0.830   | 4.14          | 4.04    | 4.04    | 3.44    | 0.05  | 0.915      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 1       | 0 |          |  |
| 2         | 0.970   | 4.72          | 4.32    | 4.52    | 3.72    | 0.03  | 0.896      | 6.9      | 7.5          |      | 1.8     | 0.1               | 3.4   | 133    | 740      | 224  | 14.56      | 0.81    | 27.51   | 1076    | 5986     | 2       | 0 |          |  |
| 3         | 0.880   | 5.00          | 4.50    | 4.20    | 3.30    | 0.04  | 0.944      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 3       | 0 |          |  |
| 4         | 0.910   | 4.81          | 4.31    | 4.01    | 3.61    | 0.06  | 1.014      | 5.7      | 7.0          | 2    | 2.0     | 0.1               | 5.3   | 130    | 808      | 256  | 15.18      | 0.76    | 40.22   | 987     | 6132     | 4       | 0 |          |  |
| 5         | 0.880   | 4.34          | 4.04    | 3.64    | 3.24    | 0.05  | 0.608      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0 |          |  |
| 6         | 1.050   | 4.02          | 3.93    | 3.73    | 3.51    | 0.04  | 1.015      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       | 0 |          |  |
| 7         | 1.010   | 4.11          | 4.12    | 3.84    | 2.93    | 0.04  | 1.534      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0 |          |  |
| 8         | 1.070   | 4.43          | 4.03    | 4.13    | 3.23    | 0.05  | 1.246      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 8       | 0 |          |  |
| 9         | 1.400   | 4.04          | 4.24    | 4.34    | 3.54    | 0.07  | 1.334      |          |              |      | 2.9     | 0.1               | 3.4   | 135    | 676      | 228  | 33.86      | 1.17    | 39.70   | 1576    | 7893     | 9       | 2 |          |  |
| 10        | 1.130   | 3.63          | 3.93    | 4.03    | 3.13    | 0.04  | 1.180      | 5.0      | 7.4          |      |         |                   |       |        |          |      |            |         |         |         |          | 10      | 4 |          |  |
| 11        | 1.260   | 2.84          | 3.24    | 4.09    | 3.79    | 0.06  | 1.018      | 8.9      | 7.4          | 2    | 2.8     | 0.2               | 2.8   | 125    | 740      | 220  | 29.42      | 2.10    | 29.42   | 1314    | 7776     | 11      | 0 |          |  |
| 12        | 1.060   | 2.73          | 3.13    | 3.63    | 3.33    | 0.04  | 0.650      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0 |          |  |
| 13        | 1.000   | 2.93          | 3.32    | 3.81    | 3.51    | 0.00  | 1.147      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0 |          |  |
| 14        | 1.060   | 2.71          | 3.50    | 4.06    | 3.30    | 0.06  | 1.717      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      | 2 |          |  |
| 15        | 1.270   | 2.82          | 3.12    | 3.42    | 3.12    | 0.05  | 1.111      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 15      | 2 |          |  |
| 16        | 1.200   | 3.34          | 4.04    | 2.84    | 2.84    | 0.07  | 1.036      | 7.0      | 7.8          |      | 3.0     | 0.1               | 2.0   | 147    | 576      | 220  | 30.02      | 1.00    | 20.02   | 1471    | 5765     | 16      | 0 |          |  |
| 17        | 1.090   | 3.02          | 3.52    | 3.12    | 3.02    | 0.04  | 1.168      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 17      | 0 |          |  |
| 18        | 1.040   | 3.49          | 3.19    | 2.79    | 3.59    | 0.05  | 1.062      | 8.9      | 7.3          | 2    | 2.4     | 0.1               | 2.0   | 162    | 808      | 224  | 20.82      | 0.87    | 17.35   | 1405    | 7008     | 18      | 0 |          |  |
| 19        | 1.120   | 3.72          | 3.02    | 3.02    | 3.92    | 0.06  | 1.069      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 0 |          |  |
| 20        | 1.060   | 3.51          | 3.21    | 2.93    | 3.78    | 0.04  | 0.928      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      | 0 |          |  |
| 21        | 0.980   | 3.42          | 3.12    | 3.14    | 3.80    | 0.04  | 1.067      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 21      | 0 |          |  |
| 22        | 1.040   | 3.73          | 2.93    | 2.73    | 4.13    | 0.06  | 1.057      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 22      | 0 |          |  |
| 23        | 1.120   | 3.43          | 2.73    | 3.03    | 4.24    | 0.05  | 1.072      | 6.5      | 7.5          |      | 1.9     | 0.1               | 3.2   | 175    | 588      | 228  | 17.75      | 0.93    | 29.89   | 1635    | 5492     | 23      | 1 |          |  |
| 24        | 1.080   | 3.60          | 2.90    | 2.80    | 3.90    | 0.04  | 1.091      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 24      | 2 |          |  |
| 25        | 1.050   | 3.41          | 3.11    | 3.11    | 3.71    | 0.05  | 0.959      | 6.6      | 7.5          | 2    | 2.2     | 0.1               | 2.0   | 175    | 716      | 262  | 19.27      | 0.88    | 17.51   | 1532    | 6270     | 25      | 0 |          |  |
| 26        | 1.010   | 3.74          | 2.84    | 3.34    | 3.44    | 0.04  | 1.023      |          |              |      |         |                   |       |        | 552      |      |            |         |         |         | 4650     | 26      | 0 |          |  |
| 27        | 1.000   | 3.72          | 3.12    | 3.53    | 3.88    | 0.04  | 0.961      |          |              |      |         |                   |       |        | 580      |      |            |         |         |         | 4837     | 27      | 0 |          |  |
| 28        | 0.950   | 3.53          | 3.12    | 3.42    | 3.90    | 0.04  | 0.561      |          |              |      |         |                   |       |        | 592      |      |            |         |         |         | 4690     | 28      | 0 |          |  |
| 29        | 0.920   | 3.41          | 3.24    | 3.64    | 3.81    | 0.02  | 1.195      |          |              |      |         |                   |       |        | 532      |      |            |         |         |         | 4082     | 29      | 0 |          |  |
| 30        | 0.970   | 3.55          | 4.11    | 2.21    | 3.71    | 0.06  | 1.090      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 30      | 0 |          |  |
| 31        | 0.990   | 3.73          | 3.73    | 2.63    | 3.53    | 0.04  | 0.991      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 31      | 0 |          |  |

|                   |       |      |  |  |  |  |       |       |     |   |       |      |       |      |      |  |       |      |       |      |      |      |
|-------------------|-------|------|--|--|--|--|-------|-------|-----|---|-------|------|-------|------|------|--|-------|------|-------|------|------|------|
| Average Lbs/ Day: |       |      |  |  |  |  |       |       |     |   | 22.61 | 1.06 | 27.70 | 1374 | 5882 |  |       |      |       |      |      |      |
| AVG               | 1.054 |      |  |  |  |  | 1.054 |       |     | 2 | 2.38  | 0.11 | 3.01  | 148  | 659  |  |       |      |       |      |      |      |
| MIN               | 0.830 | 2.21 |  |  |  |  | 0.561 | 5.0   | 7.0 | 2 | 1.8   | 0.1  | 2.0   | 125  | 532  |  | 14.56 | 0.76 | 17.35 | 987  | 4082 | 0.00 |
| MAX               | 1.400 | 5.00 |  |  |  |  | 0.07  | 1.717 | 7.8 | 2 | 3.0   | 0.2  | 5.3   | 175  | 808  |  | 33.86 | 2.10 | 40.22 | 1635 | 7893 | 4.00 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,847                            |

Reading 5/1/2023 22990  
Reading 6/1/2023 55649

# of days 31

Daily Average Flow= 1.053516 MGD

4/6/2023 A storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/23 | 0.940 | 04/23 | 0.957 | 07/22 | 0.928 | 10/22 | 0.939 |
|                             | 02/23 | 0.922 | 05/23 | 1.054 | 08/22 | 1.006 | 11/22 | 0.938 |
|                             | 03/23 | 0.935 | 06/22 | 0.935 | 09/22 | 0.954 | 12/22 | 0.954 |

Annual Average Flow: 0.955

Reading 6/1/2022 13808 0

Reading 6/1/2023 306900 55649 12 TDS collected

Annual Average Flow: 0.955 MGD

Capacity: 59%

Total 13



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

June 2023

| TX0124907 |         | Grab Samples  |         |         |         |          |            |      | Grab Samples |         |      | Composite Samples |      |          |      |            |         |         |         |          |         |     |          |  |  |
|-----------|---------|---------------|---------|---------|---------|----------|------------|------|--------------|---------|------|-------------------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|--|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO   | pH           | E. coli | TSS  | NH3-N             | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |  |  |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L | S.U.         | CFU/ml  | mg/l | mg/l              | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |  |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0  | 6.5 - 9.0    | 63      | 15   | 3                 | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |  |  |
| 1         | 0.900   | 3.60          | 3.60    | 2.90    | 3.60    | 0.05     | 0.867      | 7.2  | 7.4          | 2       | 1.7  | 0.1               | 2.3  | 180      | 624  | 276        | 12.76   | 0.75    | 17.26   | 1351     | 4684    | 1   | 0        |  |  |
| 2         | 1.090   | 3.84          | 3.24    | 2.74    | 3.44    | 0.04     | 0.701      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 2   | 0        |  |  |
| 3         | 1.098   | 3.85          | 3.41    | 2.93    | 3.84    | 0.05     | 1.583      | 9.1  | 7.7          |         | 3.8  | 0.1               | 5.4  | 172      | 632  | 302        | 34.80   | 0.92    | 49.45   | 1575     | 5787    | 3   | 0        |  |  |
| 4         | 0.910   | 3.98          | 3.78    | 3.38    | 3.98    | 0.01     | 0.844      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 4   | 1.5      |  |  |
| 5         | 1.140   | 3.71          | 3.61    | 3.31    | 3.71    | 0.03     | 1.117      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 5   | 0        |  |  |
| 6         | 0.990   | 3.53          | 3.33    | 3.13    | 2.83    | 0.04     | 0.780      | 6.6  | 7.6          |         | 1.9  | 0.1               | 3.3  | 165      | 604  | 254        | 15.69   | 0.83    | 27.25   | 1362     | 4987    | 6   | 0        |  |  |
| 7         | 1.060   | 3.22          | 3.02    | 2.62    | 2.52    | 0.02     | 1.034      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 7   | 0        |  |  |
| 8         | 0.970   | 3.30          | 2.70    | 2.90    | 3.00    | 0.03     | 1.059      | 7.5  | 7.5          | 2       | 2.8  | 0.1               | 2.7  | 132      | 744  | 214        | 22.65   | 0.81    | 21.84   | 1068     | 6019    | 8   | 0        |  |  |
| 9         | 0.910   | 3.05          | 3.15    | 3.05    | 3.25    | 0.04     | 0.663      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 9   | 0        |  |  |
| 10        | 1.080   | 2.94          | 3.04    | 3.14    | 3.06    | 0.03     | 0.992      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 10  | 0        |  |  |
| 11        | 0.990   | 3.22          | 2.85    | 3.03    | 3.14    | 0.04     | 1.441      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 11  | 0        |  |  |
| 12        | 0.960   | 2.82          | 2.72    | 3.22    | 3.32    | 0.02     | 1.110      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 12  | 0        |  |  |
| 13        | 1.100   | 3.03          | 2.23    | 3.43    | 3.03    | 0.03     | 0.803      | 7.1  | 7.7          |         | 2.3  | 0.1               | 2.9  | 178      | 600  | 242        | 21.10   | 0.92    | 26.60   | 1633     | 5504    | 13  | 0        |  |  |
| 14        | 1.170   | 3.18          | 3.68    | 3.78    | 3.58    | 0.06     | 1.217      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 14  | 0        |  |  |
| 15        | 1.060   | 3.01          | 3.51    | 3.61    | 3.41    | 0.05     | 0.935      | 6.8  | 7.4          | 2       | 5.7  | 0.2               | 5.1  | 151      | 852  | 208        | 50.39   | 1.77    | 45.09   | 1335     | 7532    | 15  | 0        |  |  |
| 16        | 1.040   | 3.86          | 3.86    | 3.16    | 3.86    | 0.04     | 0.942      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 16  | 0        |  |  |
| 17        | 1.120   | 3.42          | 3.70    | 3.33    | 3.64    | 0.05     | 1.066      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 17  | 0        |  |  |
| 18        | 1.080   | 3.61          | 3.72    | 3.44    | 3.71    | 0.04     | 1.466      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 18  | 0        |  |  |
| 19        | 1.040   | 3.76          | 4.13    | 4.73    | 5.16    | 0.05     | 0.973      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 19  | 0        |  |  |
| 20        | 1.040   | 4.04          | 3.94    | 4.74    | 3.44    | 0.07     | 0.992      | 6.8  | 7.5          |         |      |                   |      |          |      |            |         |         |         |          |         | 20  | 0        |  |  |
| 21        | 0.980   | 3.83          | 3.83    | 5.43    | 2.73    | 0.04     | 0.843      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 21  | 0        |  |  |
| 22        | 1.020   | 3.42          | 4.02    | 4.63    | 3.74    | 0.06     | 0.630      | 6.3  | 7.5          | 2       | 1.7  | 0.1               | 2.6  | 150      | 612  | 250        | 14.46   | 0.85    | 22.12   | 1276     | 5206    | 22  | 2.5      |  |  |
| 23        | 0.700   | 3.90          | 3.60    | 2.90    | 3.90    | 0.07     | 0.523      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 23  | 0        |  |  |
| 24        | 1.078   | 3.88          | 3.92    | 3.40    | 4.03    | 0.07     | 1.074      |      |              |         | 2.1  | 0.1               | 4.8  | 164      | 852  | 108        | 18.88   | 0.90    | 43.15   | 1474     | 7660    | 24  | 0        |  |  |
| 25        | 1.053   | 4.01          | 3.93    | 3.24    | 4.04    | 0.07     | 1.421      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 25  | 0        |  |  |
| 26        | 0.960   | 3.85          | 3.75    | 3.65    | 4.15    | 0.04     | 1.107      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 26  | 0        |  |  |
| 27        | 1.100   | 4.01          | 4.01    | 4.01    | 3.91    | 0.06     | 1.025      | 6.8  | 7.6          |         | 2.3  | 0.1               | 2.9  | 165      | 900  | 200        | 21.10   | 0.92    | 26.60   | 1514     | 8257    | 27  | 0        |  |  |
| 28        | 1.070   | 4.13          | 4.23    | 4.33    | 4.23    | 0.04     | 0.911      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 28  | 0        |  |  |
| 29        | 1.030   | 4.30          | 3.90    | 3.70    | 4.30    | 0.02     | 1.065      | 7.1  | 7.6          | 2       | 1.6  | 0.2               | 2.6  | 158      | 688  | 230        | 13.74   | 1.72    | 22.33   | 1357     | 5910    | 29  | 0        |  |  |
| 30        | 1.010   | 3.96          | 4.16    | 4.06    | 4.16    | 0.03     | 0.613      |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 30  | 0        |  |  |
| 31        |         |               |         |         |         |          |            |      |              |         |      |                   |      |          |      |            |         |         |         |          |         | 31  |          |  |  |

|                   |       |      |  |  |  |      |       |     |     |   |       |      |       |      |      |  |       |      |       |      |      |  |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|---|-------|------|-------|------|------|--|-------|------|-------|------|------|--|------|
| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |   | 22.56 | 1.04 | 30.17 | 1395 | 6155 |  |       |      |       |      |      |  |      |
| AVG               | 0.993 |      |  |  |  |      | 0.993 |     |     | 2 | 2.59  | 0.12 | 3.46  | 162  | 711  |  |       |      |       |      |      |  |      |
| MIN               | 0.700 | 2.23 |  |  |  |      | 0.523 | 6.3 | 7.4 | 2 | 1.6   | 0.1  | 2.3   | 132  | 600  |  | 12.76 | 0.75 | 17.26 | 1068 | 4684 |  | 0.00 |
| MAX               | 1.170 | 5.43 |  |  |  | 0.07 | 1.583 |     | 7.7 | 2 | 5.7   | 0.2  | 5.4   | 180  | 900  |  | 50.39 | 1.77 | 49.45 | 1633 | 8257 |  | 2.50 |

2-Hour Peak Flow,  
<5,000 GPM:

1,604

Reading ##### 55649

Reading ##### 85446

# of days 30

Daily Average Flow= 0.993

4/6/2023 A storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

|         |       |       |       |       |       |       |       |       |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly | 01/23 | 0.940 | 04/23 | 0.957 | 07/22 | 0.928 | 10/22 | 0.939 |
| Average | 02/23 | 0.922 | 05/23 | 1.054 | 08/22 | 1.006 | 11/22 | 0.938 |
| Flows   | 03/23 | 0.935 | 06/23 | 0.993 | 09/22 | 0.954 | 12/22 | 0.954 |

Annual Average Flow: 0.960

Reading 7/1/2022 41850 0

Reading 7/1/2023 306900 85446

Total:

Annual Average Flow: 0.960 MGD

Capacity: 55%

Total 4

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

July 2023

| TX0124907 |         | Grab Samples  |         |         |         |          |            |      |           |         | Grab Samples |       |      | Composite Samples |      |            |         |         |         |          |         |     |         |
|-----------|---------|---------------|---------|---------|---------|----------|------------|------|-----------|---------|--------------|-------|------|-------------------|------|------------|---------|---------|---------|----------|---------|-----|---------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO   | pH        | E. coli | TSS          | NH3-N | CBOD | Chloride          | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfal |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.500      | mg/L | S.U.      | CFU/ml  | mg/l         | mg/l  | mg/l | mg/l              | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0  | 6.5 - 9.0 | 63      | 15           | 3     | 10   | Report            | 739  | NA         | 188     | 38      | 125     | Report   | 11094   | Day |         |
| 1         | 0.970   | 3.81          | 3.97    | 3.93    | 3.94    | 0.02     | 1.012      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 1   | 0       |
| 2         | 1.030   | 3.73          | 3.90    | 3.83    | 3.81    | 0.02     | 1.030      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 2   | 0       |
| 3         | 1.020   | 3.82          | 3.94    | 3.71    | 4.12    | 0.01     | 1.030      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 3   | 0       |
| 4         | 1.054   | 3.83          | 4.11    | 3.84    | 3.93    | 0.04     | 1.273      | 5.8  | 7.6       |         | 1.8          | 0.1   | 2.0  | 160               | 620  | 172        | 15.82   | 0.88    | 17.58   | 1406     | 5450    | 4   | 0       |
| 5         | 1.020   | 4.12          | 4.22    | 4.32    | 2.72    | 0.08     | 1.091      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 5   | 0       |
| 6         | 0.980   | 4.24          | 4.34    | 4.04    | 2.84    | 0.06     | 0.975      | 7.3  | 7.5       | 2       |              |       |      |                   |      |            |         |         |         |          |         | 6   | 0.5     |
| 7         | 1.060   | 4.01          | 4.11    | 3.81    | 2.51    | 0.03     | 0.675      | 7.5  | 7.5       |         | 1.9          | 0.1   | 2.9  | 151               | 696  | 214        | 16.80   | 0.88    | 25.64   | 1335     | 6153    | 7   | 1       |
| 8         | 1.060   | 3.82          | 3.93    | 3.72    | 2.32    | 0.04     | 1.020      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 8   | 0       |
| 9         | 1.000   | 3.93          | 4.21    | 3.93    | 3.01    | 0.05     | 1.405      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 9   | 0       |
| 10        | 1.020   | 4.26          | 4.06    | 4.46    | 2.06    | 0.04     | 1.042      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 10  | 0       |
| 11        | 1.010   | 4.04          | 4.24    | 4.34    | 2.44    | 0.03     | 1.001      | 5.9  | 7.5       |         | 2.6          | 0.1   | 2.0  | 155               | 740  | 206        | 21.90   | 0.84    | 16.85   | 1306     | 6233    | 11  | 0       |
| 12        | 1.060   | 4.22          | 3.82    | 4.02    | 2.22    | 0.02     | 1.042      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 12  | 0       |
| 13        | 1.050   | 4.41          | 4.11    | 4.21    | 2.51    | 0.03     | 1.141      | 6.1  | 7.4       | 2       | 1.9          | 0.1   | 2.3  | 155               | 640  | 248        | 16.64   | 0.88    | 20.14   | 1357     | 5604    | 13  | 0       |
| 14        | 1.020   | 4.33          | 3.73    | 3.83    | 2.83    | 0.01     | 0.605      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 14  | 0       |
| 15        | 1.030   | 3.89          | 3.85    | 3.88    | 1.55    | 0.01     | 1.119      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 15  | 0       |
| 16        | 1.050   | 3.80          | 3.84    | 3.90    | 2.44    | 0.02     | 1.325      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 16  | 0       |
| 17        | 1.030   | 4.14          | 4.24    | 4.34    | 3.54    | 0.01     | 0.978      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 17  | 0       |
| 18        | 1.030   | 4.42          | 4.12    | 4.72    | 3.42    | 0.04     | 1.193      | 6.2  | 7.5       |         | 1.1          | 0.1   | 2.0  | 160               | 752  | 202        | 9.45    | 0.86    | 17.18   | 1374     | 6460    | 18  | 0       |
| 19        | 1.060   | 4.25          | 4.25    | 4.43    | 3.86    | 0.03     | 0.944      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 19  | 0       |
| 20        | 1.100   | 3.73          | 4.03    | 3.23    | 3.73    | 0.05     | 0.935      |      |           |         | 2.0          | 0.1   | 2.8  | 150               | 752  | 268        | 18.35   | 0.92    | 25.69   | 1376     | 6899    | 20  | 0       |
| 21        | 0.910   | 3.86          | 3.89    | 3.62    | 3.49    | 0.02     | 0.889      |      |           | 2       |              |       |      |                   |      |            |         |         |         |          |         | 21  | 0       |
| 22        | 1.080   | 3.74          | 3.81    | 3.73    | 3.85    | 0.02     | 1.042      | 7.4  | 7.5       |         |              |       |      |                   |      |            |         |         |         |          |         | 22  | 0       |
| 23        | 1.040   | 3.72          | 3.72    | 3.54    | 3.81    | 0.02     | 1.448      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 23  | 0       |
| 24        | 1.090   | 3.94          | 3.95    | 3.84    | 3.64    | 0.03     | 1.072      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 24  | 0       |
| 25        | 1.060   | 4.00          | 3.80    | 3.20    | 3.10    | 0.01     | 0.924      | 6.3  | 7.4       |         | 4.0          | 0.1   | 6.6  | 155               | 704  | 246        | 35.36   | 0.88    | 58.35   | 1370     | 6224    | 25  | 0       |
| 26        | 1.060   | 3.85          | 4.05    | 3.75    | 3.85    | 0.01     | 1.038      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 26  | 0       |
| 27        | 1.130   | 3.72          | 3.72    | 3.32    | 3.32    | 0.02     | 1.215      | 6.5  | 7.4       | 2       | 1.7          | 0.1   | 3.1  | 161               | 744  | 208        | 16.02   | 0.94    | 29.22   | 1517     | 7012    | 27  | 0       |
| 28        | 1.000   | 4.13          | 3.93    | 3.73    | 3.83    | 0.03     | 0.713      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 28  | 0       |
| 29        | 1.080   | 3.62          | 3.74    | 3.71    | 3.53    | 0.02     | 1.247      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 29  | 0       |
| 30        | 1.030   | 3.81          | 3.83    | 3.62    | 3.72    | 0.02     | 1.353      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 30  | 0       |
| 31        | 1.070   | 3.91          | 3.61    | 3.41    | 3.11    | 0.03     | 1.058      |      |           |         |              |       |      |                   |      |            |         |         |         |          |         | 31  | 0       |

|                   |       |      |  |  |  |      |       |     |     |   |       |      |       |      |      |  |       |      |       |      |      |  |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|---|-------|------|-------|------|------|--|-------|------|-------|------|------|--|------|
| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |   | 18.79 | 0.89 | 26.33 | 1380 | 6254 |  |       |      |       |      |      |  |      |
| AVG               | 1.059 |      |  |  |  |      | 1.059 |     |     | 2 | 2.13  | 0.10 | 2.96  | 156  | 706  |  |       |      |       |      |      |  |      |
| MIN               | 0.910 | 1.55 |  |  |  |      | 0.605 | 5.8 | 7.4 | 2 | 1.1   | 0.1  | 2.0   | 150  | 620  |  | 9.45  | 0.84 | 16.85 | 1306 | 5450 |  | 0.00 |
| MAX               | 1.130 | 4.72 |  |  |  | 0.08 | 1.448 |     | 7.6 | 2 | 4.0   | 0.1  | 6.6   | 161  | 752  |  | 35.36 | 0.94 | 58.35 | 1517 | 7012 |  | 1.00 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,555                            |

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/23 | 0.940 | 04/23 | 0.957 | 07/23 | 1.059 | 10/22 | 0.939 |
| Average              | 02/23 | 0.922 | 05/23 | 1.054 | 08/22 | 1.006 | 11/22 | 0.938 |
| Flows                | 03/23 | 0.935 | 06/23 | 0.993 | 09/22 | 0.954 | 12/22 | 0.954 |
| Annual Average Flow: |       |       |       |       |       |       | 0.971 |       |

Total 1.5

Reading 7/1/2023 85446  
Reading 8/1/2023 118281

# of days 31  
Daily Average Flow= 1.059194 MGD

4/6/2023 A storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

Reading 8/1/2022 70618 0  
Reading 8/1/2023 306900 118281  
Total:  
Annual Average Flow: 0.971 MGD  
Capacity: 71%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

August 2023

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         | Composite Samples |       |        |          |      |            |         |         |         |          |         |   |          |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|-------------------|-------|--------|----------|------|------------|---------|---------|---------|----------|---------|---|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS               | NH3-N | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |   | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |   | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3                 | 10    | Report | 739      | NA   | 188        | 38      | 125     | Report  | 11094    | Day     |   |          |
| 1         | 1.140   | 3.64          | 3.84    | 3.74    | 3.04    | 0.03  | 1.161      | 6.3      | 7.5          |      | 2.1     | 0.1               | 3.5   | 154    | 740      | 228  | 20.0       | 0.95    | 33.28   | 1464    | 7036     | 1       | 0 |          |
| 2         | 1.080   | 3.75          | 4.05    | 4.05    | 3.35    | 0.02  | 1.037      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 2       | 0 |          |
| 3         | 1.160   | 4.01          | 3.91    | 4.21    | 3.51    | 0.01  | 1.162      | 5.9      | 7.8          | 2    |         |                   |       |        |          |      |            |         |         |         |          | 3       | 0 |          |
| 4         | 1.050   | 3.90          | 3.70    | 4.60    | 3.20    | 0.01  | 0.906      | 8.5      | 7.5          |      | 3.3     | 0.1               | 4.5   | 149    | 780      | 250  | 28.9       | 0.88    | 39.41   | 1305    | 6830     | 4       | 0 |          |
| 5         | 1.100   | 3.82          | 3.71    | 3.93    | 3.42    | 0.02  | 0.827      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 5       | 0 |          |
| 6         | 1.100   | 3.91          | 3.82    | 3.93    | 3.53    | 0.03  | 1.299      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 6       | 0 |          |
| 7         | 1.090   | 4.01          | 3.41    | 4.11    | 3.81    | 0.01  | 1.340      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 7       | 0 |          |
| 8         | 1.130   | 3.74          | 3.24    | 4.34    | 3.74    | 0.01  | 1.195      | 6.5      | 7.6          |      | 1.6     | 0.3               | 4.9   | 150    | 752      | 278  | 15.1       | 2.83    | 46.18   | 1414    | 7087     | 8       | 0 |          |
| 9         | 1.110   | 3.83          | 3.53    | 4.03    | 3.43    | 0.02  | 1.138      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 9       | 0 |          |
| 10        | 1.200   | 3.72          | 3.72    | 3.62    | 3.02    | 0.01  | 1.062      | 7.2      | 8.2          | 2    | 1.4     | 1.7               | 4.1   | 152    | 584      | 270  | 14.0       | 17.01   | 41.03   | 1521    | 5845     | 10      | 0 |          |
| 11        | 1.140   | 3.80          | 3.40    | 3.80    | 3.20    | 0.04  | 0.896      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 11      | 0 |          |
| 12        | 1.090   | 3.92          | 3.44    | 3.82    | 3.43    | 0.04  | 1.369      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 12      | 0 |          |
| 13        | 1.210   | 3.74          | 3.72    | 3.44    | 3.75    | 0.05  | 1.391      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 13      | 0 |          |
| 14        | 1.190   | 2.05          | 3.85    | 3.05    | 3.15    | 0.08  | 1.279      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 14      | 0 |          |
| 15        | 1.220   | 3.71          | 3.61    | 4.81    | 5.01    | 0.05  | 1.038      | 6.4      | 7.4          |      | 3.2     | 3.1               | 3.1   | 100    | 504      | 300  | 32.6       | 31.54   | 31.54   | 1014    | 5128     | 15      | 0 |          |
| 16        | 1.270   | 3.34          | 3.83    | 4.63    | 4.83    | 0.05  | 0.945      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 16      | 0 |          |
| 17        | 1.240   | 3.98          | 3.91    | 3.83    | 4.44    | 0.04  | 1.412      | 4.8      | 7.4          | 2    | 1.8     | 0.4               | 3.1   | 84     | 500      | 296  | 18.6       | 4.14    | 32.06   | 868     | 5171     | 17      | 0 |          |
| 18        | 1.160   | 3.85          | 3.05    | 2.05    | 2.15    | 0.05  | 0.945      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 18      | 0 |          |
| 19        | 1.150   | 3.72          | 3.53    | 3.12    | 2.93    | 0.04  | 1.120      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 19      | 0 |          |
| 20        | 1.110   | 3.80          | 3.71    | 3.53    | 3.32    | 0.04  | 1.365      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 20      | 0 |          |
| 21        | 1.140   | 3.71          | 3.14    | 2.54    | 2.81    | 0.06  | 1.154      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 21      | 0 |          |
| 22        | 1.220   | 4.04          | 3.53    | 3.03    | 2.92    | 0.03  | 1.268      | 6.3      | 7.4          |      | 2.2     | 0.1               | 2.0   | 67     | 372      | 304  | 22.4       | 1.02    | 20.35   | 684     | 3785     | 22      | 0 |          |
| 23        | 1.170   | 3.82          | 3.32    | 3.22    | 3.02    | 0.02  | 1.080      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 23      | 0 |          |
| 24        | 1.230   | 3.51          | 3.41    | 3.31    | 2.81    | 0.03  | 1.295      | 6.6      | 8.0          | 2    | 1.6     | 0.1               | 2.0   | 146    | 700      | 266  | 16.4       | 1.03    | 20.52   | 1498    | 7181     | 24      | 0 |          |
| 25        | 1.120   | 3.34          | 3.54    | 3.44    | 3.24    | 0.02  | 0.636      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 25      | 0 |          |
| 26        | 1.220   | 3.81          | 3.82    | 3.45    | 3.23    | 0.02  | 1.148      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 26      | 0 |          |
| 27        | 1.248   | 4.01          | 3.84    | 3.02    | 3.33    | 0.04  | 1.610      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 27      | 0 |          |
| 28        | 1.130   | 3.61          | 3.71    | 3.31    | 3.11    | 0.02  | 1.233      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 28      | 0 |          |
| 29        | 1.210   | 3.54          | 3.63    | 3.53    | 3.34    | 0.02  | 1.001      | 6.3      | 7.4          |      | 1.9     | 0.1               | 2.0   | 97     | 424      | 284  | 19.2       | 1.01    | 20.18   | 977     | 4279     | 29      | 0 |          |
| 30        | 1.160   | 3.71          | 3.51    | 3.21    | 3.41    | 0.02  | 0.705      |          |              |      |         |                   |       |        |          |      |            |         |         |         |          | 30      | 0 |          |
| 31        | 1.238   | 3.93          | 3.74    | 3.42    | 3.31    | 0.00  | 1.196      | 6.1      | 7.5          | 3110 | 4.1     | 0.1               | 2.6   | 142    | 792      | 208  | 42.33      | 1.03    | 26.84   | 1466    | 8177     | 31      | 0 |          |

|                   |       |      |  |  |  |       |       |     |     |       |      |       |      |      |     |  |       |       |       |      |      |      |
|-------------------|-------|------|--|--|--|-------|-------|-----|-----|-------|------|-------|------|------|-----|--|-------|-------|-------|------|------|------|
| Average Lbs/ Day: |       |      |  |  |  |       |       |     |     | 22.94 | 6.14 | 31.14 | 1221 | 6052 |     |  |       |       |       |      |      |      |
| AVG               | 1.136 |      |  |  |  | 1.136 |       |     | 9   | 2.32  | 0.61 | 3.18  | 124  | 615  |     |  |       |       |       |      |      |      |
| MIN               | 1.050 | 2.05 |  |  |  |       | 0.636 | 4.8 | 7.4 | 2     | 1.4  | 0.1   | 2.0  | 67   | 372 |  | 14.01 | 0.88  | 20.18 | 684  | 3785 | 0.00 |
| MAX               | 1.270 | 5.01 |  |  |  | 0.08  | 1.610 |     | 8.2 | 3110  | 4.1  | 3.1   | 4.9  | 154  | 792 |  | 42.33 | 31.54 | 46.18 | 1521 | 8177 | 0.00 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,264                            |

Reading 8/1/2023 118281  
Reading 9/1/2023 153494  
# of days 31  
Daily Average Flow= 1.1359  
4/6/2023 A storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/23 | 0.940 | 04/23 | 0.957 | 07/23 | 1.059 | 10/22 | 0.939 |
|                             | 02/23 | 0.922 | 05/23 | 1.054 | 08/23 | 1.136 | 11/22 | 0.938 |
|                             | 03/23 | 0.935 | 06/23 | 0.993 | 09/22 | 0.954 | 12/22 | 0.954 |

Annual Average Flow: 0.982

Reading 9/1/2022 101805 0  
Reading 9/1/2023 306900 153494  
Total:  
Annual Average Flow: 0.982 MGD  
Capacity: 63%  
No Rain Events Recorded.  
11 DO & pH - 1 additional

Total 0



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

September 2023

| TX0124907 |         | Grab Samples  |         |         |         |          |            |      |           | Grab Samples |      | Composite Samples |      |          |      |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|------------|------|-----------|--------------|------|-------------------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO   | pH        | E. coli      | TSS  | NH3-N             | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | >1.0          |         |         |         | <0.1     | 1.800      | mg/L | S.U.      | CFU/ml       | mg/l | mg/l              | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0  | 6.5 - 9.0 | 63           | 15   | 3                 | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 1.100   | 4.01          | 3.92    | 3.82    | 3.83    | 0.02     | 0.911      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 1   | 0        |
| 2         | 1.010   | 3.92          | 3.81    | 3.74    | 3.42    | 0.02     | 1.002      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 2   | 0        |
| 3         | 1.000   | 3.99          | 3.82    | 3.83    | 3.52    | 0.02     | 1.203      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 3   | 0        |
| 4         | 1.243   | 3.97          | 3.91    | 3.82    | 3.82    | 0.05     | 1.773      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 4   | 0        |
| 5         | 1.130   | 3.80          | 3.72    | 3.50    | 3.71    | 0.04     | 1.009      | 4.7  | 7.2       |              |      |                   |      |          |      |            |         |         |         |          |         | 5   | 0        |
| 6         | 1.370   | 3.68          | 3.59    | 3.29    | 4.03    | 0.05     | 1.059      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 6   | 0        |
| 7         | 1.110   | 3.81          | 3.81    | 3.41    | 4.20    | 0.04     | 0.802      | 7.4  | 7.9       | 2            | 2.8  | 0.5               | 2.2  | 105      | 516  | 294        | 25.92   | 4.63    | 20.37   | 972      | 4777    | 7   | 0        |
| 8         | 1.130   | 2.86          | 3.44    | 3.15    | 3.86    | 0.02     | 1.287      | 5.8  | 7.2       |              | 1.2  | 0.1               | 2.0  | 97       | 496  | 288        | 11.31   | 0.94    | 18.85   | 917      | 4674    | 8   | 0        |
| 9         | 1.100   | 3.22          | 3.23    | 2.90    | 3.64    | 0.03     | 1.072      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 9   | 0.1      |
| 10        | 1.090   | 3.41          | 3.50    | 1.93    | 3.62    | 0.02     | 1.270      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 10  | 0        |
| 11        | 1.140   | 3.21          | 3.61    | 2.81    | 4.01    | 0.02     | 1.066      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 11  | 0        |
| 12        | 1.110   | 3.41          | 3.81    | 3.20    | 3.90    | 0.02     | 1.132      | 6.8  | 7.5       |              | 2.6  | 0.1               | 3.1  | 153      | 844  | 242        | 24.07   | 0.93    | 28.70   | 1416     | 7813    | 12  | 0        |
| 13        | 1.070   | 3.53          | 3.73    | 3.43    | 3.53    | 0.02     | 1.123      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 13  | 0        |
| 14        | 1.110   | 3.61          | 3.81    | 3.62    | 3.12    | 0.03     | 0.941      | 6.9  | 7.4       | 2            | 11.0 | 0.1               | 5.6  | 151      | 716  | 230        | 101.83  | 0.93    | 51.84   | 1398     | 6628    | 14  | 1        |
| 15        | 1.260   | 3.88          | 3.97    | 3.84    | 4.14    | 0.01     | 1.189      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 15  | 1        |
| 16        | 1.230   | 3.85          | 3.95    | 3.93    | 4.04    | 0.01     | 1.283      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 16  | 0        |
| 17        | 1.250   | 3.91          | 4.00    | 3.94    | 4.12    | 0.02     | 1.471      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 17  | 1.5      |
| 18        | 1.180   | 3.74          | 3.93    | 3.74    | 4.34    | 0.01     | 1.119      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 18  | 0        |
| 19        | 1.140   | 3.84          | 3.85    | 3.63    | 4.25    | 0.01     | 1.392      | 7.0  | 7.5       | 2            | 4.0  | 0.1               | 6.2  | 157      | 624  | 224        | 38.03   | 0.95    | 58.95   | 1493     | 5933    | 19  | 0        |
| 20        | 1.200   | 3.71          | 3.75    | 3.53    | 4.05    | 0.02     | 0.914      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 20  | 0        |
| 21        | 1.150   | 3.81          | 3.85    | 3.91    | 4.12    | 0.02     | 1.150      | 6.5  | 7.2       |              | 3.8  | 0.1               | 3.5  | 162      | 852  | 212        | 36.45   | 0.96    | 33.57   | 1554     | 8172    | 21  | 0        |
| 22        | 1.170   | 3.61          | 3.75    | 4.01    | 4.32    | 0.02     | 0.918      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 22  | 0        |
| 23        | 1.210   | 3.81          | 3.73    | 4.03    | 4.25    | 0.01     | 1.487      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 23  | 0        |
| 24        | 1.270   | 3.85          | 3.82    | 3.81    | 4.05    | 0.04     | 1.147      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 24  | 0        |
| 25        | 1.220   | 3.93          | 3.28    | 1.95    | 2.03    | 0.02     | 1.276      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 25  | 0        |
| 26        | 1.180   | 4.44          | 3.54    | 3.46    | 2.71    | 0.03     | 1.233      | 7.0  | 7.4       |              | 1.8  | 0.1               | 4.0  | 160      | 724  | 244        | 17.71   | 0.98    | 39.36   | 1575     | 7125    | 26  | 0        |
| 27        | 1.160   | 4.15          | 3.85    | 3.63    | 2.92    | 0.02     | 1.015      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 27  | 0        |
| 28        | 1.100   | 3.91          | 3.95    | 3.81    | 3.52    | 0.01     | 1.078      | 6.6  | 7.6       | 2            | 1.9  | 0.1               | 2.0  | 153      | 756  | 250        | 17.43   | 0.92    | 18.35   | 1404     | 6936    | 28  | 0        |
| 29        | 1.120   | 4.16          | 3.84    | 3.45    | 3.15    | 0.00     | 0.649      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 29  | 0        |
| 30        | 1.060   | 3.90          | 3.83    | 3.62    | 3.24    | 0.01     | 1.123      |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 30  | 0        |
| 31        |         |               |         |         |         |          |            |      |           |              |      |                   |      |          |      |            |         |         |         |          |         | 31  |          |

|                   |       |      |  |  |  |      |       |     |     |   |       |      |       |      |      |  |        |      |       |      |      |  |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|---|-------|------|-------|------|------|--|--------|------|-------|------|------|--|------|
| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |   | 34.09 | 1.40 | 33.75 | 1341 | 6507 |  |        |      |       |      |      |  |      |
| AVG               | 1.136 |      |  |  |  |      | 1.136 |     |     | 2 | 3.64  | 0.15 | 3.58  | 142  | 691  |  |        |      |       |      |      |  |      |
| MIN               | 1.000 | 1.93 |  |  |  |      | 0.649 | 4.7 | 7.2 | 2 | 1.2   | 0.1  | 2.0   | 97   | 496  |  | 11.31  | 0.92 | 18.35 | 917  | 4674 |  | 0.00 |
| MAX               | 1.370 | 4.44 |  |  |  | 0.05 | 1.773 |     | 7.9 | 2 | 11.0  | 0.5  | 6.2   | 162  | 852  |  | 101.83 | 4.63 | 58.95 | 1575 | 8172 |  | 1.50 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,944                            |

Reading 9/1/2023 153494  
Reading 10/1/2023 187588  
# of days Total Flow 30  
Daily Average Flow= 1.136

##### A storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/23 | 0.940 | 04/23 | 0.957 | 07/23 | 1.059 | 10/22 | 0.939 |
|                             | 02/23 | 0.922 | 05/23 | 1.054 | 08/23 | 1.136 | 11/22 | 0.938 |
|                             | 03/23 | 0.935 | 06/23 | 0.993 | 09/23 | 1.136 | 12/22 | 0.954 |

Annual Average Flow: 0.997

Reading 10/1/2022 130414 0  
Reading 10/1/2023 306900 187588

Annual Average Flow: 0.997 MGD

Capacity: 63%

Total 3.60

1 additional DO & pH - 9 total

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

October 2023

| TX0124907 |         | Grab Samples  |         |         |         |          | Grab Samples |      |           | Grab    | Composite Samples |       |      |          |      |            |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|--------------|------|-----------|---------|-------------------|-------|------|----------|------|------------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD     | DO   | pH        | E. coli | TSS               | NH3-N | CBOD | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | >1.0          |         |         |         | <0.1     | 1.800        | mg/L | S.U.      | CFU/ml  | mg/l              | mg/l  | mg/l | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow   | 4.0  | 6.5 - 9.0 | 63      | 15                | 3     | 10   | Report   | 739  | NA         | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 1.100   | 3.82          | 3.74    | 3.52    | 3.24    | 0.04     | 1.448        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 1   | 0        |
| 2         | 1.170   | 3.74          | 3.64    | 3.44    | 3.44    | 0.02     | 1.330        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 2   | 0        |
| 3         | 1.130   | 3.81          | 3.41    | 3.32    | 3.51    | 0.02     | 1.134        | 6.9  | 7.4       |         | 1.4               | 0.1   | 3.9  | 158      | 992  | 246        | 13.19   | 0.94    | 36.75   | 1489     | 9349    | 3   | 0        |
| 4         | 1.290   | 4.03          | 3.83    | 3.81    | 3.94    | 0.00     | 1.373        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 4   | 0.75     |
| 5         | 1.220   | 3.61          | 2.61    | 2.71    | 3.11    | 0.00     | 1.154        | 7.5  | 8.1       | 2       | 1.6               | 0.1   | 7.0  | 158      | 816  | 258        | 16.28   | 1.02    | 71.22   | 1608     | 8303    | 5   | 3.25     |
| 6         | 1.610   | 3.41          | 3.41    | 3.85    | 3.83    | 0.00     | 1.512        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 6   | 0.15     |
| 7         | 1.280   | 3.62          | 3.65    | 3.85    | 3.91    | 0.02     | 0.964        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 7   | 0.2      |
| 8         | 1.310   | 3.64          | 3.73    | 3.82    | 3.94    | 0.00     | 1.006        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 8   | 0.2      |
| 9         | 0.001   | 1.27          | 2.65    | 2.81    | 3.12    | 0.00     | 0.991        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 9   | 0.2      |
| 10        | 1.110   | 3.13          | 3.43    | 3.21    | 3.43    | 0.00     | 1.274        | 7.5  | 7.4       |         | 2.7               | 0.1   | 2.0  | 143      | 836  | 218        | 24.99   | 0.93    | 18.51   | 1324     | 7739    | 10  | 0        |
| 11        | 1.110   | 3.02          | 3.22    | 3.42    | 3.22    | 0.01     | 1.297        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 11  | 0        |
| 12        | 1.170   | 3.61          | 3.83    | 3.81    | 3.31    | 0.00     | 1.041        | 6.5  | 7.4       | 2       | 2.3               | 0.2   | 3.7  | 159      | 820  | 228        | 22.44   | 1.95    | 36.10   | 1551     | 8001    | 12  | 0        |
| 13        | 1.160   | 3.83          | 3.43    | 3.13    | 3.65    | 0.00     | 0.694        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 13  | 0        |
| 14        | 1.070   | 3.72          | 3.14    | 2.92    | 3.44    | 0.02     | 1.046        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 14  | 0        |
| 15        | 1.005   | 3.51          | 3.23    | 3.01    | 3.52    | 0.03     | 1.286        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 15  | 0        |
| 16        | 1.113   | 3.66          | 3.86    | 3.86    | 3.95    | 0.01     | 1.321        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 16  | 0        |
| 17        | 1.080   | 3.01          | 4.11    | 3.72    | 3.11    | 0.00     | 0.907        | 8.1  | 7.5       |         | 2.4               | 0.1   | 5.3  | 149      | 720  | 228        | 21.62   | 0.90    | 47.74   | 1342     | 6485    | 17  | 0        |
| 18        | 1.120   | 4.59          | 4.98    | 4.69    | 4.89    | 0.06     | 1.308        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 18  | 0        |
| 19        | 1.130   | 4.30          | 4.80    | 4.38    | 4.68    | 0.06     | 1.075        | 6.3  | 7.6       | 2       | 6.0               | 0.1   | 2.3  | 153      | 866  | 222        | 56.55   | 0.94    | 21.68   | 1442     | 8161    | 19  | 0        |
| 20        | 1.120   | 3.89          | 4.19    | 4.19    | 4.09    | 0.03     | 1.234        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 20  | 0        |
| 21        | 1.180   | 3.23          | 4.11    | 4.37    | 4.13    | 0.02     | 1.140        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 21  | 0        |
| 22        | 1.220   | 3.80          | 4.17    | 4.20    | 4.32    | 0.02     | 0.932        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 22  | 0        |
| 23        | 1.160   | 3.03          | 4.43    | 3.83    | 3.83    | 0.03     | 1.313        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 23  | 0        |
| 24        | 1.170   | 3.21          | 4.21    | 3.61    | 3.71    | 0.02     | 0.964        | 6.9  | 7.3       |         | 2.8               | 1.2   | 6.6  | 150      | 744  | 258        | 27.32   | 11.71   | 64.40   | 1464     | 7260    | 24  | 0        |
| 25        | 1.180   | 3.54          | 4.44    | 3.85    | 3.95    | 0.04     | 1.052        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 25  | 0        |
| 26        | 1.200   | 3.81          | 4.11    | 3.61    | 3.81    | 0.01     | 1.542        | 7.9  | 7.1       | 2       | 2.0               | 0.2   | 3.5  | 152      | 800  | 248        | 20.02   | 2.00    | 35.03   | 1521     | 8006    | 26  | 1.15     |
| 27        | 1.290   | 2.93          | 4.64    | 3.85    | 2.85    | 0.02     | 1.023        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 27  | 2.25     |
| 28        | 1.366   | 3.33          | 4.43    | 3.65    | 3.56    | 0.02     | 1.111        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 28  | 2        |
| 29        | 1.280   | 3.66          | 4.32    | 3.76    | 3.84    | 0.03     | 1.386        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 29  | 0        |
| 30        | 1.230   | 3.81          | 3.91    | 3.81    | 3.41    | 0.02     | 1.480        |      |           |         |                   |       |      |          |      |            |         |         |         |          |         | 30  | 0.75     |
| 31        | 1.200   | 3.34          | 4.15    | 3.14    | 3.84    | 0.06     | 0.783        | 7.8  | 7.3       |         | 2.7               | 0.6   | 3.4  | 147      | 748  | 260        | 27.02   | 6.00    | 34.03   | 1471     | 7486    | 31  | 0        |

|                   |       |      |  |  |  |      |       |     |     |   |       |      |       |      |      |  |       |       |       |      |      |  |      |
|-------------------|-------|------|--|--|--|------|-------|-----|-----|---|-------|------|-------|------|------|--|-------|-------|-------|------|------|--|------|
| Average Lbs/ Day: |       |      |  |  |  |      |       |     |     |   | 25.49 | 2.93 | 40.61 | 1468 | 7866 |  |       |       |       |      |      |  |      |
| AVG               | 1.165 |      |  |  |  |      | 1.165 |     |     | 2 | 2.66  | 0.30 | 4.19  | 152  | 816  |  |       |       |       |      |      |  |      |
| MIN               | 0.001 | 1.27 |  |  |  |      | 0.694 | 6.3 | 7.1 | 2 | 1.4   | 0.1  | 2.0   | 143  | 720  |  | 13.19 | 0.90  | 18.51 | 1324 | 6485 |  | 0.00 |
| MAX               | 1.610 | 4.98 |  |  |  | 0.06 | 1.542 |     | 8.1 | 2 | 6.0   | 1.2  | 7.0   | 159  | 992  |  | 56.55 | 11.71 | 71.22 | 1608 | 9349 |  | 3.25 |

|                               |  |  |  |  |  |  |  |  |  |  |  |                      |       |       |       |       |       |       |       |       |       |      |  |
|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|
| 2-Hour Peak Flow, <5,000 GPM: |  |  |  |  |  |  |  |  |  |  |  | Monthly              | 01/23 | 0.940 | 04/23 | 0.957 | 07/23 | 1.059 | 10/23 | 1.165 | Total | 10.9 |  |
|                               |  |  |  |  |  |  |  |  |  |  |  | Average              | 02/23 | 0.922 | 05/23 | 1.054 | 08/23 | 1.136 | 11/22 | 0.938 |       |      |  |
|                               |  |  |  |  |  |  |  |  |  |  |  | Flows                | 03/23 | 0.935 | 06/23 | 0.993 | 09/23 | 1.136 | 12/22 | 0.954 |       |      |  |
|                               |  |  |  |  |  |  |  |  |  |  |  | Annual Average Flow: |       |       |       |       | 1.016 |       |       |       |       |      |  |

10/1/2023 187588  
Reading 11/1/2023 223709  
Reading  
# of days 31  
Daily Average Flow= 1.165  
4/6/2023 A storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

Reading 11/1/2022 159508 0  
Reading 11/1/2023 306900 223709  
Annual Average Flow: 1.017 MGD  
Capacity: 65%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

November 2023

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |      |       | Composite Samples |          |      |            |         |         |         |          |         |          |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------|-------|-------------------|----------|------|------------|---------|---------|---------|----------|---------|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS  | NH3-N | CBOD              | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     | Rainfall |
|           | Flow    | >1.0          |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l | mg/l  | mg/l              | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day | Inches   |
| Permit    | MGD     | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3    | 10    | Report            | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |          |
| 1         | 1.110   | 3.83          | 3.93    | 3.84    | 3.63    | 0.04  | 1.287      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 1       | 0        |
| 2         | 1.150   | 3.41          | 3.61    | 4.12    | 3.94    | 0.03  | 0.916      | 7.3      | 7.6          | 2    | 2.6     | 0.5  | 3.5   | 152               | 850      | 240  | 24.94      | 4.80    | 33.57   | 1458    | 8152     | 2       | 0        |
| 3         | 1.100   | 1.56          | 4.84    | 5.28    | 5.38    | 0.06  | 1.466      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 3       | 0        |
| 4         | 1.240   | 2.43          | 3.91    | 4.21    | 4.84    | 0.03  | 1.033      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 4       | 0        |
| 5         | 1.200   | 3.41          | 4.24    | 4.80    | 4.99    | 0.04  | 0.775      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 5       | 0        |
| 6         | 1.110   | 4.44          | 4.44    | 4.14    | 4.44    | 0.02  | 1.422      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 6       | 0        |
| 7         | 1.100   | 2.79          | 3.89    | 3.81    | 3.59    | 0.02  | 1.206      | 6.8      | 7.4          |      | 1.6     | 0.3  | 2.7   | 90                | 618      | 294  | 14.68      | 2.75    | 24.77   | 826     | 5670     | 7       | 0        |
| 8         | 1.180   | 3.84          | 4.35    | 4.01    | 3.92    | 0.05  | 1.172      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 8       | 0        |
| 9         | 1.230   | 5.11          | 1.51    | 3.83    | 5.01    | 0.03  | 1.073      | 7.6      | 7.4          | 2    | 2.3     | 0.8  | 3.2   | 150               | 994      | 238  | 23.59      | 8.21    | 32.83   | 1539    | 10197    | 9       | 0        |
| 10        | 1.340   | 4.09          | 3.59    | 4.08    | 4.19    | 0.02  | 1.678      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 10      | 1.15     |
| 11        | 1.330   | 3.90          | 3.50    | 3.80    | 3.75    | 0.03  | 0.667      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 11      | 0        |
| 12        | 1.130   | 3.90          | 3.41    | 3.90    | 3.80    | 0.02  | 1.470      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 12      | 0        |
| 13        | 1.200   | 4.23          | 3.93    | 3.63    | 4.54    | 0.03  | 1.012      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 13      | 1.25     |
| 14        | 1.100   | 3.74          | 3.73    | 3.79    | 3.91    | 0.02  | 1.131      | 7.9      | 7.4          |      | 3.2     | 0.1  | 2.7   | 140               | 924      | 220  | 29.36      | 0.92    | 24.77   | 1284    | 8477     | 14      | 0.5      |
| 15        | 1.000   | 4.31          | 3.31    | 4.02    | 3.31    | 0.03  | 0.790      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 15      | 0        |
| 16        | 0.880   | 1.82          | 2.42    | 4.13    | 3.83    | 0.02  | 0.786      | 7.9      | 7.3          | 2    | 3.2     | 0.1  | 2.0   | 144               | 832      | 206  | 23.49      | 0.73    | 14.68   | 1057    | 6106     | 16      | 0        |
| 17        | 0.930   | 3.44          | 3.15    | 3.01    | 3.76    | 0.00  | 1.068      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 17      | 0        |
| 18        | 1.605   | 3.65          | 3.72    | 3.40    | 3.94    | 0.04  | 0.911      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 18      | 0        |
| 19        | 1.240   | 3.81          | 3.51    | 3.99    | 3.91    | 0.04  | 0.668      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 19      | 0        |
| 20        | 0.860   | 4.16          | 3.79    | 3.64    | 3.43    | 0.05  | 0.863      | 7.9      | 7.4          |      |         |      |       |                   |          |      |            |         |         |         |          | 20      | 0        |
| 21        | 0.930   | 4.01          | 3.41    | 3.83    | 3.84    | 0.02  | 0.779      | 6.6      | 7.8          | 2    | 4.1     | 0.3  | 4.4   | 118               | 786      | 238  | 31.80      | 2.33    | 34.13   | 915     | 6096     | 21      | 0        |
| 22        | 0.860   | 3.84          | 3.79    | 4.04    | 4.33    | 0.05  | 0.829      | 7.5      | 7.3          |      | 1.4     | 0.2  | 2.0   | 124               | 812      | 242  | 10.04      | 1.43    | 14.34   | 889     | 5824     | 22      | 0        |
| 23        | 0.870   | 3.90          | 3.80    | 3.80    | 3.81    | 0.01  | 0.915      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 23      | 0        |
| 24        | 0.940   | 3.81          | 3.71    | 3.71    | 3.92    | 0.01  | 0.828      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 24      | 0        |
| 25        | 0.820   | 3.72          | 3.82    | 3.92    | 3.81    | 0.01  | 0.880      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 25      | 0        |
| 26        | 0.880   | 3.71          | 3.81    | 3.72    | 3.82    | 0.01  | 1.319      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 26      | 0        |
| 27        | 0.970   | 1.30          | 4.75    | 2.50    | 1.34    | 0.08  | 0.826      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 27      | 0        |
| 28        | 0.890   | 3.06          | 3.34    | 3.14    | 3.31    | 0.04  | 1.021      | 8.5      | 7.5          |      | 4.0     | 0.4  | 4.5   | 143               | 900      | 244  | 29.69      | 2.97    | 33.40   | 1061    | 6680     | 28      | 0        |
| 29        | 0.900   | 2.90          | 2.49    | 4.02    | 4.42    | 0.06  | 1.107      |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 29      | 0        |
| 30        | 0.940   | 2.20          | 3.01    | 3.39    | 3.31    | 0.04  | 0.889      | 7.7      | 7.2          | 2    | 3.8     | 0.3  | 3.0   | 149               | 780      | 230  | 29.79      | 2.35    | 23.52   | 1168    | 6115     | 30      | 0.15     |
| 31        |         |               |         |         |         |       |            |          |              |      |         |      |       |                   |          |      |            |         |         |         |          | 31      |          |

|                   |       |      |  |  |  |       |       |     |     |       |      |       |      |      |     |  |       |      |       |      |       |
|-------------------|-------|------|--|--|--|-------|-------|-----|-----|-------|------|-------|------|------|-----|--|-------|------|-------|------|-------|
| Average Lbs/ Day: |       |      |  |  |  |       |       |     |     | 24.15 | 2.94 | 26.22 | 1133 | 7035 |     |  |       |      |       |      |       |
| AVG               | 1.026 |      |  |  |  | 1.026 |       |     | 2   | 2.91  | 0.33 | 3.11  | 134  | 833  |     |  |       |      |       |      |       |
| MIN               | 0.820 | 1.30 |  |  |  |       | 0.667 | 6.6 | 7.2 | 2     | 1.4  | 0.1   | 2.0  | 90   | 618 |  | 10.04 | 0.73 | 14.34 | 826  | 5670  |
| MAX               | 1.605 | 5.38 |  |  |  | 0.08  | 1.678 |     | 7.8 | 2     | 4.1  | 0.8   | 4.5  | 152  | 994 |  | 31.80 | 8.21 | 34.13 | 1539 | 10197 |

|      |
|------|
|      |
|      |
| 0.00 |
| 1.25 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,506                            |

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly              | 01/23 | 0.940 | 04/23 | 0.957 | 07/23 | 1.059 | 10/23 | 1.165 |
| Average              | 02/23 | 0.922 | 05/23 | 1.054 | 08/23 | 1.136 | 11/23 | 1.026 |
| Flows                | 03/23 | 0.935 | 06/23 | 0.993 | 09/23 | 1.136 | 12/22 | 0.954 |
| Annual Average Flow: |       |       |       |       |       |       | 1.023 |       |

Total 3.05

Reading 11/1/2023 223709  
Reading 12/1/2023 254496

# of days 30

Daily Average Flow= 1.02623

4/6/2023 A storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

Reading 12/1/2022 187649 0  
Reading 12/1/2023 306900 254496

Annual Average Flow: 1.024 MGD  
Capacity: 57%

10 total, 1 additional DO & pH



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

December 2023

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |      | Composite Samples |        |          |      |            |         |         |         |          |         |      |          |  |  |  |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------|-------------------|--------|----------|------|------------|---------|---------|---------|----------|---------|------|----------|--|--|--|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | TSS  | NH3-N             | CBOD   | Chloride | TDS  | Alkalinity | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |  |  |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l | mg/l              | mg/l   | mg/l     | mg/l | mg/l       | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |  |  |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | 15      | 3    | 10                | Report | 739      | NA   | 225        | 45      | 150     | Report  | 11094    | Day     |      |          |  |  |  |  |
| 1         | 1.050   | 2.81          | 3.10    | 3.20    | 3.40    | 0.03  | 1.017      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 1       | 0.15 |          |  |  |  |  |
| 2         | 1.000   | 2.69          | 3.51    | 3.73    | 3.52    | 0.03  | 0.762      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 2       | 0    |          |  |  |  |  |
| 3         | 0.910   | 3.18          | 3.82    | 3.81    | 3.41    | 0.04  | 0.890      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 3       | 0    |          |  |  |  |  |
| 4         | 0.920   | 3.29          | 3.57    | 2.99    | 3.77    | 0.04  | 0.894      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 4       | 0    |          |  |  |  |  |
| 5         | 0.810   | 2.81          | 3.01    | 3.30    | 4.13    | 0.03  | 0.655      | 6.8      | 7.2          |      | 2.1     | 0.1  | 2.6               | 137    | 856      | 228  | 14.19      | 0.68    | 17.56   | 925     | 5783     | 5       | 0    |          |  |  |  |  |
| 6         | 0.880   | 5.07          | 4.29    | 3.97    | 2.14    | 0.06  | 1.064      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 6       | 0    |          |  |  |  |  |
| 7         | 0.820   | 4.09          | 3.33    | 3.41    | 1.83    | 0.04  | 0.811      | 7.5      | 7.4          | 2    | 3.3     | 0.1  | 2.1               | 139    | 746      | 208  | 22.57      | 0.68    | 14.36   | 951     | 5102     | 7       | 0    |          |  |  |  |  |
| 8         | 0.860   | 3.81          | 3.83    | 3.12    | 1.74    | 0.03  | 1.041      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 8       | 0.15 |          |  |  |  |  |
| 9         | 0.990   | 3.91          | 3.81    | 3.10    | 3.34    | 0.04  | 0.438      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 9       | 0    |          |  |  |  |  |
| 10        | 0.930   | 3.80          | 3.81    | 3.22    | 3.23    | 0.03  | 1.130      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 10      | 2.5  |          |  |  |  |  |
| 11        | 0.930   | 4.39          | 3.97    | 1.86    | 2.19    | 0.04  | 1.047      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 11      | 0    |          |  |  |  |  |
| 12        | 0.980   | 3.77          | 3.45    | 3.09    | 3.81    | 0.03  | 0.850      | 7.5      | 7.3          |      | 3.0     | 0.1  | 2.9               | 157    | 724      | 206  | 24.52      | 0.82    | 23.70   | 1283    | 5917     | 12      | 0    |          |  |  |  |  |
| 13        | 0.890   | 3.04          | 3.49    | 2.49    | 5.04    | 0.06  | 0.965      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 13      | 0.15 |          |  |  |  |  |
| 14        | 0.860   | 3.51          | 3.41    | 3.01    | 3.98    | 0.04  | 0.886      | 7.1      | 7.5          | 2    | 2.1     | 0.1  | 2.9               | 157    | 850      | 208  | 15.06      | 0.72    | 20.80   | 1126    | 6097     | 14      | 0    |          |  |  |  |  |
| 15        | 0.960   | 2.78          | 2.84    | 3.47    | 2.62    | 0.02  | 1.134      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 15      | 0    |          |  |  |  |  |
| 16        | 1.020   | 3.30          | 2.91    | 3.69    | 4.22    | 0.02  | 0.809      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 16      | 1    |          |  |  |  |  |
| 17        | 1.040   | 3.41          | 3.41    | 3.39    | 3.93    | 0.02  | 0.548      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 17      | 0    |          |  |  |  |  |
| 18        | 0.900   | 1.81          | 2.84    | 2.77    | 2.59    | 0.02  | 0.927      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 18      | 0    |          |  |  |  |  |
| 19        | 0.920   | 2.28          | 3.61    | 3.46    | 3.47    | 0.04  | 0.985      | 8.1      | 7.2          |      | 4.1     | 2.5  | 4.7               | 154    | 836      | 250  | 31.46      | 19.18   | 36.06   | 1182    | 6414     | 19      | 0    |          |  |  |  |  |
| 20        | 0.940   | 2.81          | 3.08    | 3.11    | 2.81    | 0.02  | 1.225      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 20      | 0    |          |  |  |  |  |
| 21        | 0.930   | 3.08          | 3.76    | 3.75    | 3.59    | 0.00  | 0.491      | 7.8      | 7.4          | 2    | 3.9     | 0.2  | 4.4               | 152    | 712      | 234  | 30.25      | 1.55    | 34.13   | 1179    | 5522     | 21      | 0    |          |  |  |  |  |
| 22        | 0.880   | 3.20          | 3.67    | 3.77    | 3.70    | 0.01  | 0.928      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 22      | 0    |          |  |  |  |  |
| 23        | 0.930   | 3.01          | 3.59    | 3.68    | 3.79    | 0.02  | 0.939      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 23      | 0    |          |  |  |  |  |
| 24        | 0.960   | 2.88          | 3.80    | 3.80    | 3.52    | 0.02  | 1.286      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 24      | 0    |          |  |  |  |  |
| 25        | 1.022   | 3.20          | 3.58    | 4.00    | 3.91    | 0.04  | 0.627      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 25      | 0    |          |  |  |  |  |
| 26        | 0.890   | 3.07          | 2.89    | 2.87    | 3.48    | 0.06  | 0.914      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 26      | 0    |          |  |  |  |  |
| 27        | 0.920   | 2.84          | 2.92    | 3.15    | 2.70    | 0.07  | 0.898      | 6.6      | 7.7          |      | 6.4     | 1.4  | 4.1               | 152    | 784      | 248  | 49.11      | 10.74   | 31.46   | 1166    | 6015     | 27      | 0    |          |  |  |  |  |
| 28        | 0.910   | 2.38          | 2.56    | 2.47    | 2.29    | 0.05  | 0.852      | 8.2      | 7.3          | 2    | 2.1     | 1.3  | 2.0               | 152    | 756      | 248  | 15.94      | 9.87    | 15.18   | 1154    | 5738     | 28      | 0    |          |  |  |  |  |
| 29        | 0.850   | 2.83          | 2.32    | 3.16    | 2.90    | 0.06  | 0.895      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 29      | 0    |          |  |  |  |  |
| 30        | 0.920   | 2.94          | 2.65    | 3.42    | 3.21    | 0.04  | 0.861      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 30      | 0    |          |  |  |  |  |
| 31        | 0.960   | 3.04          | 2.82    | 3.52    | 3.39    | 0.02  | 0.943      |          |              |      |         |      |                   |        |          |      |            |         |         |         |          | 31      | 0    |          |  |  |  |  |

|                   |       |               |  |  |  |         |       |     |     |         |       |       |       |          |      |            |       |       |       |      |      |      |
|-------------------|-------|---------------|--|--|--|---------|-------|-----|-----|---------|-------|-------|-------|----------|------|------------|-------|-------|-------|------|------|------|
| flow              |       | Chlorine mg/l |  |  |  | dechlor |       | DO  | pH  | E. coli | TSS   | NH3-N | CBOD  | Chloride | TDS  | Alkalinity |       |       |       |      |      |      |
| Average Lbs/ Day: |       |               |  |  |  |         |       |     |     |         | 25.39 | 5.53  | 24.16 | 1121     | 5824 |            |       |       |       |      |      |      |
| AVG               | 0.894 |               |  |  |  |         | 0.894 |     |     | 2       | 3.38  | 0.73  | 3.21  | 150      | 783  |            |       |       |       |      |      |      |
| MIN               | 0.810 | 1.74          |  |  |  |         | 0.438 | 6.6 | 7.2 | 2       | 2.1   | 0.1   | 2.0   | 137      | 712  |            | 14.19 | 0.68  | 14.36 | 925  | 5102 | 0.00 |
| MAX               | 1.050 | 5.07          |  |  |  | 0.07    | 1.286 |     | 7.7 | 2       | 6.4   | 2.5   | 4.7   | 157      | 856  |            | 49.11 | 19.18 | 36.06 | 1283 | 6414 | 2.50 |

2-Hour Peak Flow,  
<5,000 GPM:

1,215

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/23 | 0.940 | 04/23 | 0.957 | 07/23 | 1.059 | 10/23 | 1.165 |
|                             | 02/23 | 0.922 | 05/23 | 1.054 | 08/23 | 1.136 | 11/23 | 1.026 |
|                             | 03/23 | 0.935 | 06/23 | 0.993 | 09/23 | 1.136 | 12/23 | 0.894 |
| Annual Average Flow:        |       |       |       |       |       |       | 1.018 |       |

Total 3.95

Reading 12/1/2023 254496  
Reading 1/1/2024 282208

Reading 1/1/2023 217236 0  
Reading 1/1/2024 306900 282208

# of days 31

Total  
Annual Average Flow: 1.019 MGD  
Capacity: 50%

Daily Average Flow= 0.893935  
##### A storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM I PHASE

January 2024

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            |      | Composite Samples |        |          |        |         |         |         |          |         |      |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|------|-------------------|--------|----------|--------|---------|---------|---------|----------|---------|------|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS  | NH3-N             | CBOD   | Chloride | TDS    | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l | mg/l              | mg/l   | mg/l     | mg/l   | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3    | 10                | Report | 739      | 225    | 45      | 150     | Report  | 11094    | Day     |      |          |  |
| 1         | 0.940   | 2.95          | 2.36    | 3.35    | 3.22    | 0.02  | 1.032      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 1       | 0    |          |  |
| 2         | 0.920   | 3.45          | 2.84    | 3.59    | 3.50    | 0.04  | 1.186      | 7.2      | 7.4          |      |         |            |      |                   |        |          |        |         |         |         |          | 2       | 0    |          |  |
| 3         | 0.950   | 2.91          | 1.81    | 3.03    | 2.84    | 0.04  | 0.793      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 3       | 0    |          |  |
| 4         | 0.910   | 3.49          | 2.79    | 2.79    | 3.49    | 0.03  | 0.890      | 8.1      | 7.4          | 2    | 244     | 3.4        | 0.1  | 3.0               | 153    | 860      | 25.80  | 0.76    | 22.77   | 1161    | 6527     | 4       | 0    |          |  |
| 5         | 0.910   | 3.13          | 3.13    | 3.23    | 3.01    | 0.02  | 0.808      | 6.9      | 7.4          |      | 228     | 2.8        | 0.4  | 2.4               | 149    | 880      | 21.25  | 3.04    | 18.21   | 1131    | 6679     | 5       | 2.5  |          |  |
| 6         | 1.060   | 3.22          | 3.05    | 3.12    | 3.12    | 0.02  | 0.916      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 6       | 0    |          |  |
| 7         | 0.910   | 3.02          | 2.94    | 3.21    | 3.43    | 0.01  | 1.355      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 7       | 0    |          |  |
| 8         | 0.990   | 2.53          | 3.51    | 2.89    | 3.13    | 0.02  | 1.025      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 8       | 0    |          |  |
| 9         | 1.000   | 2.99          | 2.59    | 3.78    | 2.92    | 0.01  | 0.973      | 8.9      | 7.3          |      | 290     | 1.2        | 0.2  | 2.0               | 91     | 576      | 10.01  | 1.67    | 16.68   | 755     | 4804     | 9       | 1.75 |          |  |
| 10        | 0.990   | 3.83          | 3.42    | 3.41    | 2.63    | 0.02  | 0.981      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 10      | 0    |          |  |
| 11        | 0.980   | 4.47          | 3.79    | 3.77    | 3.77    | 0.06  | 0.611      | 7.6      | 7.4          | 2    | 248     | 3.1        | 1.1  | 3.5               | 160    | 696      | 25.34  | 8.99    | 28.61   | 1308    | 5689     | 11      | 0    |          |  |
| 12        | 0.950   | 3.31          | 3.03    | 3.52    | 3.31    | 0.02  | 0.938      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 12      | 1.15 |          |  |
| 13        | 0.950   | 3.10          | 3.42    | 3.62    | 3.54    | 0.02  | 1.096      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 13      | 1.35 |          |  |
| 14        | 0.990   | 3.33          | 3.62    | 3.80    | 3.53    | 0.02  | 0.805      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 14      | 0    |          |  |
| 15        | 0.910   | 3.21          | 3.51    | 3.71    | 3.61    | 0.02  | 1.208      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 15      | 0.5  |          |  |
| 16        | 1.160   | 3.30          | 3.84    | 3.72    | 3.42    | 0.02  | 1.646      | 8.5      | 7.7          |      | 244     | 2.2        | 0.4  | 2.5               | 154    | 800      | 21.28  | 3.87    | 24.19   | 1490    | 7740     | 16      | 0    |          |  |
| 17        | 1.300   | 3.81          | 4.51    | 3.01    | 2.83    | 0.00  | 0.826      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 17      | 0    |          |  |
| 18        | 1.110   | 3.49          | 1.24    | 4.17    | 5.41    | 0.05  | 1.014      | 7.8      | 7.8          | 2    | 226     | 2.6        | 0.1  | 2.0               | 147    | 832      | 24.07  | 0.93    | 18.51   | 1361    | 7702     | 18      | 0    |          |  |
| 19        | 0.980   | 3.63          | 6.57    | 3.49    | 4.33    | 0.06  | 0.643      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 19      | 0    |          |  |
| 20        | 1.720   | 3.71          | 4.67    | 3.78    | 4.81    | 0.05  | 0.980      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 20      | 0    |          |  |
| 21        | 0.324   | 3.52          | 4.40    | 3.68    | 4.52    | 0.08  | 1.382      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 21      | 0    |          |  |
| 22        | 0.950   | 3.64          | 3.44    | 2.89    | 2.57    | 0.04  | 0.968      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 22      | 2.5  |          |  |
| 23        | 1.180   | 3.31          | 3.01    | 3.41    | 3.79    | 0.02  | 1.347      | 8.3      | 7.3          |      | 224     | 7.0        | 1.3  | 2.0               | 154    | 684      | 68.89  | 12.79   | 19.68   | 1516    | 6731     | 23      | 3.5  |          |  |
| 24        | 1.140   | 3.83          | 3.82    | 3.01    | 4.31    | 0.04  | 1.317      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 24      | 4.75 |          |  |
| 25        | 1.370   | 3.11          | 3.13    | 3.49    | 3.82    | 0.02  | 0.940      | 7.4      | 7.4          | 2    | 186     | 4.4        | 0.7  | 2.6               | 138    | 688      | 50.27  | 8.00    | 29.71   | 1577    | 7861     | 25      | 2.5  |          |  |
| 26        | 0.970   | 3.83          | 3.81    | 3.11    | 3.61    | 0.06  | 1.150      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 26      | 0    |          |  |
| 27        | 1.140   | 3.52          | 3.61    | 3.39    | 3.84    | 0.04  | 0.867      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 27      | 0    |          |  |
| 28        | 1.180   | 3.33          | 3.41    | 3.22    | 3.61    | 0.03  | 0.944      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 28      | 0    |          |  |
| 29        | 0.950   | offline       | 3.59    | 3.78    | 3.82    | 0.02  | 0.643      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 29      | 0    |          |  |
| 30        | 0.980   | offline       | 3.31    | 3.11    | 4.12    | 0.04  | 1.169      | 8.2      | 7.1          |      | 210     | 12.3       | 0.3  | 2.5               | 159    | 896      | 100.53 | 2.45    | 20.43   | 1300    | 7323     | 30      | 0    |          |  |
| 31        | 0.910   | offline       | 3.73    | 2.99    | 3.58    | 0.02  | 0.903      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 31      | 0    |          |  |

|                   |       |          |  |  |  |  |      |       |     |     |   |    |         |            |       |       |       |          |       |       |      |      |  |      |
|-------------------|-------|----------|--|--|--|--|------|-------|-----|-----|---|----|---------|------------|-------|-------|-------|----------|-------|-------|------|------|--|------|
| 24 hr flow        |       | Chlorine |  |  |  |  | TCR  | DO    |     |     |   | pH | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS   |       |      |      |  |      |
| Average Lbs/ Day: |       |          |  |  |  |  |      |       |     |     |   |    |         |            | 38.60 | 4.72  | 22.09 | 1289     | 6784  |       |      |      |  |      |
| AVG               | 1.011 |          |  |  |  |  |      | 1.011 |     |     | 2 |    | 4.33    | 0.51       | 2.50  | 145   | 768   |          |       |       |      |      |  |      |
| MIN               | 0.324 | 1.24     |  |  |  |  |      | 0.611 | 6.9 | 7.1 | 2 |    | 1.2     | 0.1        | 2.0   | 91    | 576   | 10.01    | 0.76  | 16.68 | 755  | 4804 |  | 0.00 |
| MAX               | 1.720 | 6.57     |  |  |  |  | 0.08 | 1.646 |     | 7.8 | 2 |    | 12.3    | 1.3        | 3.5   | 160   | 896   | 100.53   | 12.79 | 29.71 | 1577 | 7861 |  | 4.75 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,555                            |

Reading 1/1/2024 282208  
Reading 2/1/2024 313564  
# of days 31  
Daily Average Flow= 1.011 MGD

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/23 | 0.957 | 07/23 | 1.059 | 10/23 | 1.165 |
|                             | 02/23 | 0.922 | 05/23 | 1.054 | 08/23 | 1.136 | 11/23 | 1.026 |
|                             | 03/23 | 0.935 | 06/23 | 0.993 | 09/23 | 1.136 | 12/23 | 0.894 |

Annual Average Flow: 1.024  
old new  
Reading 2/1/2023 246384 0  
Reading 2/1/2024 306900 313564  
Total  
Annual Average Flow: 1.025 MGD  
Capacity: 56%

Total 20.5

1 additional DO & pH - 10 total

4/6/2023 storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

February 2024

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         |            | Composite Samples |       |      |          |      |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|------------|-------------------|-------|------|----------|------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | Alkalinity | TSS               | NH3-N | CBOD | Chloride | TDS  | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l       | mg/l              | mg/l  | mg/l | mg/l     | mg/l | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | NA         | 15                | 3     | 10   | Report   | 739  | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 0.980   | offline       | 3.62    | 3.40    | 3.80    | 0.03     | 0.777      | 8.6          | 7.3       | 2       | 222        | 4.0               | 0.1   | 4.1  | 148      | 740  | 32.69   | 0.82    | 33.51   | 1210     | 6048    | 1   | 0        |
| 2         | 0.890   | offline       | 4.11    | 3.31    | 3.11    | 0.04     | 0.688      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 2   | 0        |
| 3         | 0.840   | offline       | 3.79    | 3.73    | 3.20    | 0.03     | 1.000      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 3   | 0        |
| 4         | 1.080   | offline       | 3.70    | 3.62    | 3.20    | 0.03     | 1.265      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 4   | 1.5      |
| 5         | 0.960   | offline       | 3.14    | 3.41    | 3.83    | 0.02     | 0.897      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 5   | 0.75     |
| 6         | 0.910   | offline       | 3.79    | 3.13    | 3.11    | 0.01     | 0.769      | 8.5          | 7.2       |         | 240        | 3.9               | 0.2   | 4.1  | 159      | 800  | 29.60   | 1.52    | 31.12   | 1207     | 6072    | 6   | 0        |
| 7         | 0.990   | offline       | 5.01    | 1.59    | 5.78    | 0.01     | 1.006      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 7   | 0        |
| 8         | 0.900   | offline       | 4.06    | 2.81    | 4.31    | 0.02     | 0.869      | 6.9          | 7.4       | 2       | 220        | 7.1               | 0.1   | 3.7  | 165      | 896  | 53.29   | 0.75    | 27.77   | 1238     | 6725    | 8   | 0        |
| 9         | 0.950   | offline       | 3.81    | 3.12    | 4.01    | 0.01     | 0.960      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 9   | 0        |
| 10        | 0.920   | offline       | 3.09    | 3.39    | 3.81    | 0.03     | 0.845      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 10  | 0        |
| 11        | 0.940   | offline       | 3.81    | 2.93    | 4.09    | 0.01     | 1.081      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 11  | 0.5      |
| 12        | 0.960   | offline       | 3.68    | 3.19    | 3.67    | 0.02     | 0.778      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 12  | 0        |
| 13        | 0.920   | offline       | 5.61    | 1.79    | 5.11    | 0.00     | 0.730      | 8.1          | 7.3       |         | 232        | 1.7               | 0.2   | 5.7  | 158      | 820  | 13.04   | 1.53    | 43.73   | 1212     | 6292    | 13  | 0        |
| 14        | 0.730   | offline       | 4.01    | 1.41    | 5.51    | 0.01     | 0.984      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 14  | 0        |
| 15        | 0.720   | offline       | 3.79    | 2.23    | 4.61    | 0.01     | 0.679      | 7.2          | 7.2       | 2       | 222        | 7.5               | 0.2   | 3.7  | 154      | 780  | 45.04   | 1.20    | 22.22   | 925      | 4684    | 15  | 0        |
| 16        | 0.800   | offline       | 4.09    | 2.69    | 4.32    | 0.02     | 0.671      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 16  | 0.15     |
| 17        | 0.092   | offline       | 4.13    | 2.91    | 4.60    | 0.01     | 1.117      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 17  | 0        |
| 18        | 1.030   | offline       | 3.80    | 2.83    | 4.27    | 0.03     | 0.916      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 18  | 0        |
| 19        | 1.430   | offline       | 3.68    | 2.69    | 3.86    | 0.02     | 0.647      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 19  | 0        |
| 20        | 0.900   | offline       | 4.01    | 2.99    | 4.11    | 0.01     | 1.163      | 7.9          | 7.1       |         | 208        | 5.6               | 0.1   | 2.2  | 153      | 852  | 42.03   | 0.75    | 16.51   | 1148     | 6395    | 20  | 0        |
| 21        | 0.880   | offline       | 3.77    | 3.17    | 3.77    | 0.02     | 0.916      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 21  | 0        |
| 22        | 0.940   | offline       | 3.58    | 2.08    | 3.68    | 0.01     | 0.878      | 6.2          | 7.5       | 2       | 206        | 6.5               | 0.1   | 2.5  | 155      | 992  | 50.96   | 0.78    | 19.60   | 1215     | 7777    | 22  | 0        |
| 23        | 0.910   | offline       | 3.70    | 2.41    | 4.10    | 0.01     | 0.639      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 23  | 0        |
| 24        | 0.850   | offline       | 3.50    | 2.70    | 3.90    | 0.01     | 0.826      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 24  | 0        |
| 25        | 0.850   | offline       | 3.29    | 2.39    | 3.99    | 0.01     | 1.180      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 25  | 0        |
| 26        | 0.920   | offline       | 3.67    | 2.57    | 4.17    | 0.02     | 0.829      |              |           |         |            |                   |       |      |          | 810  |         |         |         |          | 6215    | 26  | 0        |
| 27        | 0.920   | offline       | 3.11    | 2.33    | 4.01    | 0.01     | 0.972      | 7.5          | 7.2       |         | 234        | 5.4               | 0.2   | 5.3  | 152      | 739  | 41.43   | 1.53    | 40.67   | 1166     | 5670    | 27  | 0        |
| 28        | 0.910   | offline       | 3.30    | 2.55    | 4.23    | 0.01     | 0.838      |              |           |         |            |                   |       |      |          | 776  |         |         |         |          | 5889    | 28  | 0        |
| 29        | 0.920   | offline       | 3.78    | 2.59    | 3.89    | 0.06     | 1.081      | 7.8          | 7.5       | 2       | 218        | 5.0               | 0.1   | 2.1  | 152      | 756  | 38.36   | 0.77    | 16.11   | 1166     | 5801    | 29  | 0        |
| 30        |         |               |         |         |         |          |            |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 30  |          |
| 31        |         |               |         |         |         |          |            |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 31  |          |

| 24 Hour           |       | Chlorine mg/l |  |  |  | TCR mg/Flow MGD |       | DO  | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |       |      |       |      |      |      |
|-------------------|-------|---------------|--|--|--|-----------------|-------|-----|-----|---------|------------|-------|-------|-------|----------|------|-------|------|-------|------|------|------|
| Average Lbs/ Day: |       |               |  |  |  |                 |       |     |     |         |            | 38.49 | 1.07  | 27.92 | 1165     | 6143 |       |      |       |      |      |      |
| AVG               | 0.897 |               |  |  |  |                 | 0.897 |     |     | 2       |            | 5.19  | 0.14  | 3.71  | 155      | 815  |       |      |       |      |      |      |
| MIN               | 0.092 | 1.41          |  |  |  |                 | 0.639 | 6.2 | 7.1 | 2       |            | 1.7   | 0.1   | 2.1   | 148      | 739  | 13.04 | 0.75 | 16.11 | 925  | 4684 | 0.00 |
| MAX               | 1.430 | 5.78          |  |  |  | 0.06            | 1.265 |     | 7.5 | 2       |            | 7.5   | 0.2   | 5.7   | 165      | 992  | 53.29 | 1.53 | 43.73 | 1238 | 7777 | 1.50 |

|                                     |
|-------------------------------------|
| 2-Hour Peak<br>Flow, <5,000<br>GPM: |
| 1,118                               |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/23 | 0.957 | 07/23 | 1.059 | 10/23 | 1.165 |
|                             | 02/24 | 0.897 | 05/23 | 1.054 | 08/23 | 1.136 | 11/23 | 1.026 |
|                             | 03/23 | 0.935 | 06/23 | 0.993 | 09/23 | 1.136 | 12/23 | 0.894 |
| Annual Average Flow:        |       |       |       |       |       |       | 1.022 |       |

Total 2.9

Reading 2/1/2024 313564

Reading 3/1/2024 339565

# of days 29

Daily Average Flow= 0.896586

##### storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

Reading 3/1/2023 272198

Reading 3/1/2024 306900

Total

Annual Average Flow: 1.025 MGD

Capacity: 50%

old new

0

TDS 3 additional - 12 total



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

March 2024

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            |      | Composite Samples |        |          |      |         |         |         |          |         |    |          |  |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|------|-------------------|--------|----------|------|---------|---------|---------|----------|---------|----|----------|--|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS  | NH3-N             | CBOD   | Chloride | TDS  | TSS     | NH3-N   | CBOD    | Chloride | TDS     |    | Rainfall |  |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l | mg/l              | mg/l   | mg/l     | mg/l | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |    | Inches   |  |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3    | 10                | Report | 739      | 225  | 45      | 150     | Report  | 11094    | Day     |    |          |  |  |
| 1         | 0.890   | offline       | 4.07    | 2.73    | 3.77    | 0.04  | 0.595      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 1       | 0  |          |  |  |
| 2         | 0.860   | offline       | 4.29    | 2.91    | 3.89    | 0.05  | 0.816      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 2       | 0  |          |  |  |
| 3         | 0.890   | offline       | 3.81    | 2.61    | 3.91    | 0.03  | 1.355      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 3       | 0  |          |  |  |
| 4         | 0.940   | offline       | 2.43    | 1.83    | 2.58    | 0.00  | 0.816      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 4       | 0  |          |  |  |
| 5         | 1.000   | offline       | 1.33    | 1.04    | 1.91    | 0.03  | 1.068      | 7.3      | 7.1          |      |         | 248        | 5.8  | 1.2               | 3.7    | 148      | 752  | 48.37   | 10.01   | 30.86   | 1234     | 6272    | 5  | 0        |  |  |
| 6         | 1.000   | offline       | 1.89    | 2.89    | 5.45    | 0.04  | 0.927      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 6  | 0        |  |  |
| 7         | 0.980   | offline       | 2.95    | 2.68    | 4.57    | 0.05  | 0.889      | 7.1      | 7.4          | 1    |         | 210        | 8.7  | 0.1               | 4.0    | 158      | 680  | 71.11   | 0.82    | 32.69   | 1291     | 5558    | 7  | 0        |  |  |
| 8         | 0.920   | offline       | 3.79    | 6.25    | 7.05    | 0.09  | 0.655      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 8  | 0        |  |  |
| 9         | 0.920   | offline       | 3.56    | 5.13    | 6.33    | 0.06  | 0.829      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 9  | 0        |  |  |
| 10        | 0.800   | offline       | 3.65    | 5.35    | 5.95    | 0.06  | 0.844      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 10 | 0        |  |  |
| 11        | 0.770   | offline       | 3.78    | 4.97    | 5.77    | 0.05  | 0.770      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 11 | 0        |  |  |
| 12        | 0.750   | offline       | 3.46    | 2.04    | 4.16    | 0.05  | 0.673      | 7.8      | 7.3          |      |         | 196        | 5.1  | 0.2               | 4.2    | 168      | 970  | 31.90   | 1.25    | 26.27   | 1051     | 6067    | 12 | 0        |  |  |
| 13        | 0.800   | offline       | 3.82    | 3.71    | 3.90    | 0.08  | 0.976      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 13 | 0        |  |  |
| 14        | 0.760   | offline       | 3.59    | 2.41    | 6.08    | 0.08  | 0.725      | 7.7      | 7.4          |      |         | 198        | 4.9  | 0.2               | 5.2    | 166      | 860  | 31.06   | 1.27    | 32.96   | 1052     | 5451    | 14 | 0        |  |  |
| 15        | 0.740   | offline       | 5.47    | 3.59    | 4.31    | 0.04  | 0.637      |          |              | 1    |         |            |      |                   |        |          |      |         |         |         |          |         | 15 | 0        |  |  |
| 16        | 0.740   | offline       | 4.20    | 3.70    | 4.51    | 0.04  | 0.985      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 16 | 0        |  |  |
| 17        | 1.600   | offline       | 4.73    | 3.61    | 4.33    | 0.03  | 0.882      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 17 | 0        |  |  |
| 18        | 0.880   | offline       | 3.61    | 2.73    | 4.29    | 0.08  | 0.615      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 18 | 0        |  |  |
| 19        | 0.800   | offline       | 3.70    | 4.40    | 4.40    | 0.02  | 0.941      | 8.1      | 7.6          |      |         | 214        | 4.0  | 0.1               | 3.5    | 167      | 900  | 26.69   | 0.67    | 23.35   | 1114     | 6005    | 19 | 0        |  |  |
| 20        | 0.830   | offline       | 3.80    | 4.40    | 4.40    | 0.02  | 1.137      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 20 | 0        |  |  |
| 21        | 0.970   | offline       | 3.47    | 4.17    | 4.07    | 0.02  | 1.193      | 8.0      | 7.4          |      |         | 204        | 3.1  | 0.1               | 4.5    | 157      | 790  | 25.08   | 0.81    | 36.40   | 1270     | 6391    | 21 | 0        |  |  |
| 22        | 1.120   | offline       | 3.71    | 3.41    | 3.79    | 0.01  | 0.690      |          |              | 1    |         |            |      |                   |        |          |      |         |         |         |          |         | 22 | 3.5      |  |  |
| 23        | 1.070   | offline       | 5.08    | 2.83    | 4.27    | 0.05  | 0.936      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 23 | 0        |  |  |
| 24        | 0.990   | offline       | 3.61    | 3.18    | 3.01    | 0.01  | 1.305      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 24 | 0        |  |  |
| 25        | 1.040   | 4.38          | 4.28    | 2.77    | 4.09    | 0.05  | 0.756      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 25 | 1.15     |  |  |
| 26        | 0.820   | 1.43          | 3.29    | 3.31    | 5.21    | 0.03  | 0.920      | 8.5      | 7.2          |      |         | 196        | 2.8  | 0.3               | 2.0    | 160      | 790  | 19.15   | 2.05    | 13.68   | 1094     | 5403    | 26 | 0        |  |  |
| 27        | 0.910   | 5.39          | 5.49    | 5.57    | 6.59    | 0.05  | 0.929      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 27 | 0        |  |  |
| 28        | 0.880   | 4.04          | 3.81    | 4.11    | 4.71    | 0.02  | 0.935      | 7.3      | 7.5          | 1    |         | 178        | 4.2  | 0.1               | 2.0    | 158      | 830  | 30.82   | 0.73    | 14.68   | 1160     | 6092    | 28 | 0        |  |  |
| 29        | 0.880   | 3.91          | 4.00    | 3.68    | 3.01    | 0.01  | 0.935      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 29 | 0        |  |  |
| 30        | 1.040   | 4.19          | 4.20    | 3.88    | 4.38    | 0.03  | 0.474      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 30 | 0        |  |  |
| 31        | 0.900   | 4.43          | 4.22    | 4.71    | 4.81    | 0.02  | 1.218      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          |         | 31 | 0        |  |  |

| 24 Hour           |       | Chlorine mg/l |  |  |  |  | TCR mg/ | Flow MGD | DO  | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |       |       |       |      |      |      |
|-------------------|-------|---------------|--|--|--|--|---------|----------|-----|-----|---------|------------|-------|-------|-------|----------|------|-------|-------|-------|------|------|------|
| Average Lbs/ Day: |       |               |  |  |  |  |         |          |     |     |         |            | 35.52 | 2.20  | 26.36 | 1158     | 5905 |       |       |       |      |      |      |
| AVG               | 0.885 |               |  |  |  |  | 0.885   |          |     |     | 1       |            | 4.83  | 0.29  | 3.64  | 160      | 822  |       |       |       |      |      |      |
| MIN               | 0.740 | 1.04          |  |  |  |  | 0.474   | 7.1      | 7.1 | 1   |         |            | 2.8   | 0.1   | 2.0   | 148      | 680  | 19.15 | 0.67  | 13.68 | 1051 | 5403 | 0.00 |
| MAX               | 1.600 | 7.05          |  |  |  |  | 0.09    | 1.355    |     | 7.6 | 1       |            | 8.7   | 1.2   | 5.2   | 168      | 970  | 71.11 | 10.01 | 36.40 | 1291 | 6391 | 3.50 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,610                            |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/23 | 0.957 | 07/23 | 1.059 | 10/23 | 1.165 |
|                             | 02/24 | 0.897 | 05/23 | 1.054 | 08/23 | 1.136 | 11/23 | 1.026 |
|                             | 03/24 | 0.885 | 06/23 | 0.993 | 09/23 | 1.136 | 12/23 | 0.894 |
| Annual Average Flow:        |       |       |       |       |       |       | 1.018 |       |

Total 4.65

Reading 3/1/2024 339565

Reading 4/1/2024 366991

# of days 31

Daily Average Flow= 0.885

4/6/2023 storm took out the final flow meter and flow chart, CFI replaced both and calibrated (Dan C)

Reading 4/1/2023 301194 0

Reading 4/1/2024 306900 366991

Annual Average Flow: 1.021 MGD

Capacity: 49%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

April 2024

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            |      | Composite Samples |        |          |       |         |         |         |          |         |     |          |  |  |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|------|-------------------|--------|----------|-------|---------|---------|---------|----------|---------|-----|----------|--|--|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS  | NH3-N             | CBOD   | Chloride | TDS   | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |  |  |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l | mg/l              | mg/l   | mg/l     | mg/l  | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |  |  |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3    | 10                | Report | 739      | 225   | 45      | 150     | Report  | 11094    | Day     |     |          |  |  |  |
| 1         | 0.770   | 4.11          | 3.60    | 3.69    | 4.10    | 0.04  | 1.075      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 1       | 0   |          |  |  |  |
| 2         | 0.730   | 3.80          | 3.58    | 3.41    | 3.89    | 0.03  | 0.606      | 7.1      | 7.2          |      | 202     | 4.3        | 0.1  | 3.8               | 157    | 780      | 26.18 | 0.61    | 23.14   | 956     | 4749     | 2       | 0   |          |  |  |  |
| 3         | 0.890   | 3.69          | 3.71    | 3.70    | 3.67    | 0.05  | 0.847      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 3       | 0   |          |  |  |  |
| 4         | 0.820   | 3.82          | 3.50    | 3.48    | 3.78    | 0.04  | 0.807      | 6.9      | 7.5          |      | 192     | 4.0        | 0.1  | 3.0               | 158    | 860      | 27.36 | 0.68    | 20.52   | 1081    | 5881     | 4       | 0   |          |  |  |  |
| 5         | 0.800   | 3.58          | 3.78    | 3.79    | 3.62    | 0.03  | 0.884      |          |              | 1    |         |            |      |                   |        |          |       |         |         |         |          | 5       | 0   |          |  |  |  |
| 6         | 0.850   | 3.71          | 3.71    | 3.71    | 3.91    | 0.02  | 0.936      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 6       | 0   |          |  |  |  |
| 7         | 0.880   | 3.60          | 3.80    | 4.00    | 4.10    | 0.03  | 0.851      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 7       | 0   |          |  |  |  |
| 8         | 0.940   | 3.78          | 3.79    | 3.78    | 3.78    | 0.04  | 1.043      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 8       | 0   |          |  |  |  |
| 9         | 0.940   | 3.69          | 3.59    | 3.59    | 4.19    | 0.05  | 1.153      | 7.5      | 7.2          |      | 232     | 2.1        | 0.8  | 2.0               | 157    | 890      | 16.46 | 6.27    | 15.68   | 1231    | 6977     | 9       | 0   |          |  |  |  |
| 10        | 0.890   | 3.40          | 3.48    | 3.72    | 3.80    | 0.04  | 1.080      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 10      | 3.5 |          |  |  |  |
| 11        | 1.180   | 3.77          | 3.80    | 3.80    | 3.71    | 0.03  | 0.732      | 7.3      | 7.6          | 1    | 190     | 2.9        | 0.1  | 2.3               | 138    | 800      | 28.54 | 0.98    | 22.63   | 1358    | 7873     | 11      | 0   |          |  |  |  |
| 12        | 0.830   | 3.61          | 3.72    | 3.71    | 3.79    | 0.05  | 0.688      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 12      | 0   |          |  |  |  |
| 13        | 0.820   | 3.79          | 4.09    | 2.58    | 4.31    | 0.04  | 0.863      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 13      | 0   |          |  |  |  |
| 14        | 0.830   | 3.11          | 3.89    | 3.11    | 3.47    | 0.02  | 1.205      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 14      | 0   |          |  |  |  |
| 15        | 0.950   | 3.50          | 3.82    | 3.43    | 3.69    | 0.03  | 0.906      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 15      | 0   |          |  |  |  |
| 16        | 0.950   | 3.73          | 3.50    | 3.22    | 3.60    | 0.04  | 0.644      | 7.3      | 7.5          |      | 214     | 3.8        | 0.1  | 2.6               | 164    | 830      | 30.11 | 0.79    | 20.60   | 1299    | 6576     | 16      | 0   |          |  |  |  |
| 17        | 0.980   | 3.60          | 3.64    | 3.50    | 3.81    | 0.03  | 1.182      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 17      | 0   |          |  |  |  |
| 18        | 0.920   | 3.53          | 3.73    | 3.74    | 4.03    | 0.02  | 0.641      | 6.8      | 7.5          |      | 224     | 4.0        | 0.1  | 3.1               | 154    | 770      | 30.69 | 0.77    | 23.79   | 1182    | 5908     | 18      | 0   |          |  |  |  |
| 19        | 0.860   | 3.29          | 3.50    | 3.81    | 3.74    | 0.04  | 1.178      |          |              | 2    |         |            |      |                   |        |          |       |         |         |         |          | 19      | 0   |          |  |  |  |
| 20        | 0.980   | 3.73          | 3.80    | 3.80    | 3.93    | 0.04  | 0.661      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 20      | 0   |          |  |  |  |
| 21        | 0.920   | 3.30          | 3.51    | 3.50    | 4.01    | 0.03  | 1.167      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 21      | 0.5 |          |  |  |  |
| 22        | 0.960   | 3.52          | 3.37    | 3.58    | 3.80    | 0.04  | 0.825      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 22      | 0   |          |  |  |  |
| 23        | 0.890   | 3.62          | 3.62    | 3.81    | 4.12    | 0.03  | 0.882      | 7.7      | 7.5          |      | 224     | 5.5        | 0.1  | 6.3               | 155    | 1050     | 40.82 | 0.74    | 46.76   | 1151    | 7794     | 23      | 0   |          |  |  |  |
| 24        | 0.880   | 3.41          | 3.71    | 3.98    | 4.19    | 0.04  | 0.947      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 24      | 0   |          |  |  |  |
| 25        | 0.900   | 3.68          | 3.48    | 4.08    | 4.28    | 0.03  | 0.657      | 7.4      | 7.7          |      | 218     | 5.2        | 0.1  | 2.3               | 158    | 910      | 39.03 | 0.75    | 17.26   | 1186    | 6830     | 25      | 0   |          |  |  |  |
| 26        | 0.920   | 3.59          | 3.59    | 3.77    | 3.71    | 0.05  | 1.047      |          |              | 1    |         |            |      |                   |        |          |       |         |         |         |          | 26      | 0   |          |  |  |  |
| 27        | 0.910   | 3.77          | 3.67    | 3.40    | 4.17    | 0.03  | 0.944      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 27      | 0   |          |  |  |  |
| 28        | 0.930   | 3.80          | 3.40    | 3.65    | 3.95    | 0.03  | 0.872      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 28      | 0   |          |  |  |  |
| 29        | 0.980   | 3.61          | 3.59    | 3.57    | 3.78    | 0.04  | 0.685      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 29      | 1   |          |  |  |  |
| 30        | 0.990   | 3.69          | 3.68    | 3.78    | 3.57    | 0.05  | 1.281      | 7.2      | 7.7          |      | 228     | 9.3        | 0.4  | 5.9               | 148    | 860      | 76.79 | 3.30    | 48.71   | 1222    | 7101     | 30      | 0   |          |  |  |  |
| 31        |         |               |         |         |         |       |            |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 31      |     |          |  |  |  |

| 24 Hour           |       |      | Chlorine mg/l |  |  | TCR mg/ Flow MGD |       | DO  | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |       |      |       |      |      |
|-------------------|-------|------|---------------|--|--|------------------|-------|-----|-----|---------|------------|-------|-------|-------|----------|------|-------|------|-------|------|------|
| Average Lbs/ Day: |       |      |               |  |  |                  |       |     |     |         |            | 35.11 | 1.66  | 26.57 | 1185     | 6632 |       |      |       |      |      |
| AVG               | 0.910 |      |               |  |  |                  | 0.910 |     |     | 1       |            | 4.57  | 0.21  | 3.48  | 154      | 861  |       |      |       |      |      |
| MIN               | 0.730 | 2.58 |               |  |  |                  | 0.606 | 6.8 | 7.2 | 1       |            | 2.1   | 0.1   | 2.0   | 138      | 770  | 16.46 | 0.61 | 15.68 | 956  | 4749 |
| MAX               | 1.180 | 4.31 |               |  |  | 0.05             | 1.281 |     | 7.7 | 2       |            | 9.3   | 0.8   | 6.3   | 164      | 1050 | 76.79 | 6.27 | 48.71 | 1358 | 7873 |

|  |      |
|--|------|
|  | 0.00 |
|  | 3.50 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,069                            |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/24 | 0.910 | 07/23 | 1.059 | 10/23 | 1.165 |
|                             | 02/24 | 0.897 | 05/23 | 1.054 | 08/23 | 1.136 | 11/23 | 1.026 |
|                             | 03/24 | 0.885 | 06/23 | 0.993 | 09/23 | 1.136 | 12/23 | 0.894 |
| Annual Average Flow:        |       |       |       |       |       |       | 1.014 |       |

Total 5.00

Reading 4/1/2024 366991  
Reading 5/1/2024 394280  
# of days 30  
Daily Average Flow= 0.90963

Reading 5/1/2023 22990  
Reading 5/1/2024 394280  
Annual Average Flow: 1.017 MGD  
Capacity: 51%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

May 2024

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         |            | Composite Samples |       |      |          |      |         |         |         |          |         |     |          |  |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|------------|-------------------|-------|------|----------|------|---------|---------|---------|----------|---------|-----|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | Alkalinity | TSS               | NH3-N | CBOD | Chloride | TDS  | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l       | mg/l              | mg/l  | mg/l | mg/l     | mg/l | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | NA         | 15                | 3     | 10   | Report   | 739  | 225     | 45      | 150     | Report   | 11094   | Day |          |  |
| 1         | 0.940   | 3.78          | 3.50    | 3.62    | 3.70    | 0.03     | 1.154      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 1   | 0        |  |
| 2         | 1.010   | 3.40          | 3.60    | 3.30    | 3.80    | 0.05     | 1.581      | 7.1          | 6.8       |         | 226        | 11.6              | 0.1   | 5.0  | 148      | 980  | 97.71   | 0.84    | 42.12   | 1247     | 8255    | 2   | 1        |  |
| 3         | 1.670   | 3.04          | 3.01    | 2.92    | 3.23    | 0.04     | 1.528      |              |           | 15      |            |                   |       |      |          |      |         |         |         |          |         | 3   | 2.3      |  |
| 4         | 1.390   | 3.41          | 3.81    | 2.39    | 4.07    | 0.02     | 0.826      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 4   | 3.5      |  |
| 5         | 0.920   | 2.60          | 2.60    | 2.10    | 3.63    | 0.01     | 1.514      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 5   | 1.75     |  |
| 6         | 1.220   | 2.83          | 2.83    | 2.54    | 3.42    | 0.02     | 1.019      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 6   | 0        |  |
| 7         | 1.080   | 2.25          | 2.45    | 2.45    | 3.05    | 0.01     | 0.988      | 7.0          | 7.4       |         | 194        | 4.3               | 2.8   | 2.0  | 139      | 760  | 38.73   | 25.22   | 18.01   | 1252     | 6845    | 7   | 0        |  |
| 8         | 1.075   | 2.42          | 2.62    | 2.83    | 3.24    | 0.03     | 0.792      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 8   | 0        |  |
| 9         | 1.020   | 3.41          | 2.81    | 3.88    | 3.86    | 0.01     | 1.033      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 9   | 0        |  |
| 10        | 1.050   | 2.62          | 2.91    | 3.80    | 3.80    | 0.01     | 1.425      | 7.4          | 7.5       | 1       | 210        | 4.1               | 0.1   | 2.7  | 143      | 600  | 35.90   | 0.88    | 23.64   | 1252     | 5254    | 10  | 0        |  |
| 11        | 1.080   | 2.44          | 2.83    | 3.80    | 3.42    | 0.03     | 0.903      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 11  | 0        |  |
| 12        | 1.065   | 2.82          | 2.64    | 3.70    | 3.18    | 0.02     | 0.557      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 12  | 0.3      |  |
| 13        | 1.000   | 2.41          | 2.82    | 3.78    | 3.40    | 0.03     | 1.018      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 13  | 0        |  |
| 14        | 1.030   | 2.62          | 2.92    | 3.61    | 3.61    | 0.02     | 1.226      | 7.9          | 7.7       |         | 244        | 2.8               | 0.1   | 2.0  | 145      | 570  | 24.05   | 0.86    | 17.18   | 1246     | 4896    | 14  | 0.4      |  |
| 15        | 0.910   | 2.71          | 2.91    | 3.72    | 3.79    | 0.03     | 0.638      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 15  | 0.4      |  |
| 16        | 0.940   | 2.82          | 1.94    | 3.81    | 3.92    | 0.04     | 1.164      |              |           | 1       |            |                   |       |      |          |      |         |         |         |          |         | 16  | 0        |  |
| 17        | 1.070   | 2.63          | 2.23    | 3.49    | 3.59    | 0.02     | 1.032      | 8.1          | 7.6       |         | 220        | 1.7               | 0.8   | 2.5  | 143      | 1120 | 15.17   | 7.14    | 22.31   | 1276     | 9995    | 17  | 2        |  |
| 18        | 0.880   | 2.72          | 2.52    | 3.37    | 3.77    | 0.02     | 1.088      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 18  | 0        |  |
| 19        | 0.900   | 2.72          | 2.52    | 3.67    | 3.77    | 0.02     | 1.011      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 19  | 0        |  |
| 20        | 1.010   | 2.73          | 2.61    | 3.67    | 3.70    | 0.03     | 1.096      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 20  | 0        |  |
| 21        | 1.140   | 2.88          | 2.79    | 3.78    | 3.78    | 0.03     | 1.261      | 6.5          | 7.7       |         | 252        | 3.5               | 1.3   | 5.0  | 139      | 920  | 33.28   | 12.36   | 47.54   | 1322     | 8747    | 21  | 0        |  |
| 22        | 1.190   | 2.90          | 2.70    | 3.59    | 3.69    | 0.03     | 1.114      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 22  | 0        |  |
| 23        | 1.220   | 2.90          | 2.70    | 3.79    | 3.69    | 0.03     | 1.073      | 6.8          | 7.5       | 1       | 278        | 2.1               | 0.1   | 2.6  | 99       | 670  | 21.37   | 1.02    | 26.45   | 1005     | 6817    | 23  | 0        |  |
| 24        | 1.110   | 3.41          | 2.91    | 3.78    | 3.69    | 0.03     | 1.015      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 24  | 0        |  |
| 25        | 1.170   | 2.89          | 3.07    | 2.79    | 4.09    | 0.01     | 1.121      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 25  | 0        |  |
| 26        | 1.140   | 2.71          | 2.91    | 3.21    | 4.33    | 0.02     | 1.452      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 26  | 0        |  |
| 27        | 1.150   | 3.38          | 3.77    | 2.51    | 3.77    | 0.01     | 1.231      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 27  | 0        |  |
| 28        | 1.190   | 3.38          | 3.19    | 2.69    | 3.67    | 0.01     | 1.123      | 7.8          | 7.6       |         | 248        | 3.2               | 0.3   | 4.4  | 140      | 590  | 31.76   | 2.98    | 43.67   | 1389     | 5856    | 28  | 2        |  |
| 29        | 1.140   | 3.18          | 3.09    | 2.89    | 3.79    | 0.01     | 1.035      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 29  | 0        |  |
| 30        | 1.110   | 3.30          | 2.90    | 3.28    | 3.77    | 0.01     | 1.356      | 6.8          | 7.6       | 6       | 232        | 3.9               | 0.1   | 2.3  | 156      | 980  | 36.10   | 0.93    | 21.29   | 1444     | 9072    | 30  | 0        |  |
| 31        | 1.130   | 3.30          | 2.90    | 3.50    | 3.57    | 0.02     | 1.224      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 31  | 0        |  |

| 24 Hour           |       |      | Chlorine mg/l |  |  | TCR mg/l | Flow MGD | DO  | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |       |       |       |      |      |
|-------------------|-------|------|---------------|--|--|----------|----------|-----|-----|---------|------------|-------|-------|-------|----------|------|-------|-------|-------|------|------|
| Average Lbs/ Day: |       |      |               |  |  |          |          |     |     |         |            | 37.12 | 5.80  | 29.14 | 1270     | 7304 |       |       |       |      |      |
| AVG               | 1.116 |      |               |  |  |          | 1.116    |     |     | 2       |            | 4.13  | 0.63  | 3.17  | 139      | 799  |       |       |       |      |      |
| MIN               | 0.880 | 1.94 |               |  |  |          | 0.557    | 6.5 | 6.8 | 1       |            | 1.7   | 0.1   | 2.0   | 99       | 570  | 15.17 | 0.84  | 17.18 | 1005 | 4896 |
| MAX               | 1.670 | 4.33 |               |  |  | 0.05     | 1.581    |     | 7.7 | 15      |            | 11.6  | 2.8   | 5.0   | 156      | 1120 | 97.71 | 25.22 | 47.54 | 1444 | 9995 |

2-Hour Peak Flow,  
<5,000 GPM:

2,965

Reading 5/1/2024 394280  
Reading 6/1/2024 428878  
# of days 31  
Daily Average Flow= 1.116065 MGD

| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/24 | 0.910 | 07/23 | 1.059 | 10/23 | 1.165 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                             | 02/24 | 0.897 | 05/24 | 1.116 | 08/23 | 1.136 | 11/23 | 1.026 |
|                             | 03/24 | 0.885 | 06/23 | 0.993 | 09/23 | 1.136 | 12/23 | 0.894 |
| Annual Average Flow:        |       |       |       |       |       |       | 1.019 |       |

Reading 6/1/2023 55649  
Reading 6/1/2024 428878  
Annual Average Flow: 1.023 MGD  
Capacity: 62%

Total 13.65



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

June 2024

| TX0124907 |  | Grab Samples |  |  |  |  |  |  | Grab Samples |  |  |  |  | Composite Samples |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 24 Hour           |       | Chlorine mg/l |  |  |  | TCR mg/l | Flow MGD | DO  | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |        |      |       |      |      |
|-------------------|-------|---------------|--|--|--|----------|----------|-----|-----|---------|------------|-------|-------|-------|----------|------|--------|------|-------|------|------|
| Average Lbs/ Day: |       |               |  |  |  |          |          |     |     |         |            | 53.63 | 2.88  | 32.39 | 1307     | 7065 |        |      |       |      |      |
| AVG               | 1.046 |               |  |  |  |          | 1.046    |     |     | 3       |            | 5.81  | 0.31  | 3.52  | 141      | 762  |        |      |       |      |      |
| MIN               | 0.990 | 1.11          |  |  |  |          | 0.353    | 5.7 | 7.0 | 1       |            | 1.0   | 0.1   | 2.0   | 129      | 600  | 9.17   | 0.92 | 18.18 | 1158 | 5504 |
| MAX               | 1.180 | 3.84          |  |  |  | 0.04     | 1.462    |     | 7.9 | 77      |            | 27.0  | 0.9   | 9.1   | 157      | 900  | 247.70 | 8.26 | 82.72 | 1427 | 8440 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,215                            |

Reading 6/1/2024 428878  
Reading 7/1/2024 460251  
# of days 30  
Daily Average Flow= 1.046

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/24 | 0.910 | 07/23 | 1.059 | 10/23 | 1.165 |
|                             | 02/24 | 0.897 | 05/24 | 1.116 | 08/23 | 1.136 | 11/23 | 1.026 |
|                             | 03/24 | 0.885 | 06/24 | 1.046 | 09/23 | 1.136 | 12/23 | 0.894 |
| Annual Average Flow:        |       |       |       |       |       |       | 1.023 |       |

Reading 7/1/2023 85446  
Reading 7/1/2024 460251  
Total:  
Annual Average Flow: 1.027 MGD  
Capacity: 58%

Total

**July 2024**

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

August 2024

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            |      | Composite Samples |        |          |       |         |         |         |          |         |   |          |  |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|------|-------------------|--------|----------|-------|---------|---------|---------|----------|---------|---|----------|--|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS  | NH3-N             | CBOD   | Chloride | TDS   | TSS     | NH3-N   | CBOD    | Chloride | TDS     |   | Rainfall |  |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l | mg/l              | mg/l   | mg/l     | mg/l  | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |   | Inches   |  |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3    | 10                | Report | 739      | 225   | 45      | 150     | Report  | 11094    | Day     |   |          |  |  |
| 1         | 1.120   | 1.42          | 3.87    | 3.85    | 3.86    | 0.04  | 1.342      | 6.7      | 7.3          | 1    | 232     | 2.2        | 0.1  | 2.5               | 155    | 900      | 20.55 | 0.93    | 23.35   | 1448    | 8407     | 1       | 0 |          |  |  |
| 2         | 1.160   | 2.21          | 3.67    | 3.77    | 3.77    | 0.04  | 1.206      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 2       | 0 |          |  |  |
| 3         | 1.140   | 2.10          | 3.58    | 3.66    | 3.78    | 0.04  | 0.813      | 8.9      | 7.5          |      |         |            |      |                   |        |          |       |         |         |         |          | 3       | 0 |          |  |  |
| 4         | 1.150   | 2.10          | 3.58    | 3.66    | 3.78    | 0.04  | 1.478      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 4       | 0 |          |  |  |
| 5         | 1.230   | 2.44          | 3.36    | 3.78    | 3.56    | 0.04  | 0.880      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 5       | 0 |          |  |  |
| 6         | 1.150   | 2.93          | 3.19    | 3.59    | 3.89    | 0.03  | 1.296      | 6.8      | 7.2          |      | 242     | 4.9        | 0.1  | 2.0               | 142    | 740      | 47.00 | 0.96    | 19.18   | 1362    | 7097     | 6       | 0 |          |  |  |
| 7         | 1.070   | 3.01          | 3.37    | 3.77    | 3.77    | 0.03  | 1.156      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 7       | 0 |          |  |  |
| 8         | 1.130   | 3.01          | 3.27    | 3.67    | 3.77    | 0.03  | 1.197      | 6.2      | 7.1          | 1    | 252     | 1.0        | 0.1  | 2.0               | 144    | 680      | 9.42  | 0.94    | 18.85   | 1357    | 6408     | 8       | 0 |          |  |  |
| 9         | 1.140   | 3.01          | 3.27    | 3.78    | 3.77    | 0.03  | 1.001      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 9       | 0 |          |  |  |
| 10        | 1.160   | 7.09          | 3.51    | 2.99    | 2.99    | 0.01  | 0.988      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 10      | 0 |          |  |  |
| 11        | 1.150   | 6.41          | 4.00    | 3.51    | 4.30    | 0.05  | 1.511      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 11      | 0 |          |  |  |
| 12        | 1.210   | 3.91          | 3.80    | 3.40    | 3.90    | 0.05  | 1.192      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 12      | 0 |          |  |  |
| 13        | 1.250   | 3.91          | 3.80    | 3.40    | 3.90    | 0.05  | 1.133      | 6.8      | 7.8          |      | 244     | 2.2        | 0.3  | 3.2               | 151    | 590      | 22.94 | 3.13    | 33.36   | 1574    | 6151     | 13      | 0 |          |  |  |
| 14        | 1.200   | 3.81          | 3.80    | 3.50    | 3.90    | 0.05  | 1.235      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 14      | 0 |          |  |  |
| 15        | 1.130   | 3.70          | 3.58    | 3.78    | 3.98    | 0.03  | 1.160      | 7.5      | 7.6          | 1    | 260     | 2.0        | 0.3  | 2.2               | 159    | 820      | 18.85 | 2.83    | 20.73   | 1498    | 7728     | 15      | 0 |          |  |  |
| 16        | 1.160   | 3.70          | 3.79    | 3.78    | 3.88    | 0.03  | 1.415      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 16      | 0 |          |  |  |
| 17        | 1.160   | 4.61          | 3.37    | 1.41    | 4.20    | 0.01  | 0.874      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 17      | 0 |          |  |  |
| 18        | 1.150   | 4.01          | 3.11    | 1.78    | 3.61    | 0.04  | 1.307      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 18      | 0 |          |  |  |
| 19        | 1.230   | 3.91          | 3.21    | 2.38    | 3.81    | 0.04  | 1.209      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 19      | 0 |          |  |  |
| 20        | 1.160   | 3.70          | 3.39    | 2.60    | 3.79    | 0.04  | 0.957      | 6.7      | 7.4          |      | 274     | 2.7        | 0.4  | 2.0               | 161    | 620      | 26.12 | 3.87    | 19.35   | 1558    | 5998     | 20      | 0 |          |  |  |
| 21        | 1.160   | 3.70          | 3.39    | 2.80    | 3.79    | 0.04  | 1.043      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 21      | 0 |          |  |  |
| 22        | 1.210   | 3.85          | 3.88    | 3.84    | 3.78    | 0.05  | 1.494      | 6.7      | 7.3          | 8    | 252     | 2.7        | 0.5  | 2.0               | 163    | 1060     | 27.25 | 5.05    | 20.18   | 1645    | 10697    | 22      | 0 |          |  |  |
| 23        | 1.210   | 3.75          | 3.48    | 3.75    | 3.85    | 0.06  | 0.762      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 23      | 0 |          |  |  |
| 24        | 1.210   | 3.68          | 3.41    | 2.46    | 3.69    | 0.05  | 1.193      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 24      | 0 |          |  |  |
| 25        | 1.730   | 3.79          | 3.60    | 3.04    | 3.78    | 0.04  | 1.635      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 25      | 0 |          |  |  |
| 26        | 1.260   | 3.11          | 3.71    | 3.23    | 3.79    | 0.01  | 0.971      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 26      | 0 |          |  |  |
| 27        | 1.240   | 3.77          | 2.13    | 3.75    | 3.84    | 0.04  | 1.384      | 7.3      | 7.3          |      | 246     | 3.9        | 0.2  | 2.0               | 162    | 810      | 40.33 | 2.07    | 20.68   | 1675    | 8377     | 27      | 0 |          |  |  |
| 28        | 1.210   | 3.59          | 2.42    | 3.51    | 3.77    | 0.03  | 1.329      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 28      | 0 |          |  |  |
| 29        | 1.250   | 3.38          | 2.60    | 3.58    | 3.69    | 0.06  | 1.331      | 7.7      | 7.9          |      | 250     | 2.1        | 0.1  | 6.4               | 158    | 840      | 21.89 | 1.04    | 66.72   | 1647    | 8757     | 29      | 2 |          |  |  |
| 30        | 1.420   | 3.30          | 2.92    | 3.80    | 3.79    | 0.06  | 1.067      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 30      | 1 |          |  |  |
| 31        | 1.280   | 3.11          | 3.41    | 3.78    | 3.92    | 0.04  | 0.970      |          |              | 26   |         |            |      |                   |        |          |       |         |         |         |          | 31      | 0 |          |  |  |

| 24 Hour hlorine mg/l |       |      | TCR mg/l |  | Flow MGD |       | DO    | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |      |       |       |       |      |       |
|----------------------|-------|------|----------|--|----------|-------|-------|-----|---------|------------|-------|-------|-------|----------|------|------|-------|-------|-------|------|-------|
| Average Lbs/ Day:    |       |      |          |  |          |       |       |     |         |            | 26.04 | 2.31  | 26.93 | 1529     | 7736 |      |       |       |       |      |       |
| AVG                  | 1.178 |      |          |  |          | 1.178 |       |     | 3       |            | 2.63  | 0.23  | 2.70  | 155      | 784  |      |       |       |       |      |       |
| MIN                  | 1.070 | 1.41 |          |  |          | 0.762 | 6.2   | 7.1 | 1       |            | 1.0   | 0.1   | 2.0   | 142      | 590  | 9.42 | 0.93  | 18.85 | 1357  | 5998 |       |
| MAX                  | 1.730 | 7.09 |          |  |          | 0.06  | 1.635 |     | 7.9     | 26         |       | 4.9   | 0.5   | 6.4      | 163  | 1060 | 47.00 | 5.05  | 66.72 | 1675 | 10697 |

|  |      |
|--|------|
|  | 0.00 |
|  | 2.00 |

2-Hour Peak Flow,  
<5,000 GPM:

1,750

Reading 8/1/2024 495083  
Reading 9/1/2024 531612

# of days 31  
Daily Average Flow= 1.17835

|         |       |       |       |       |       |       |       |       |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly | 01/24 | 1.011 | 04/24 | 0.910 | 07/24 | 1.124 | 10/23 | 1.165 |
| Average | 02/24 | 0.897 | 05/24 | 1.116 | 08/24 | 1.178 | 11/23 | 1.026 |
| Flows   | 03/24 | 0.885 | 06/24 | 1.046 | 09/23 | 1.136 | 12/23 | 0.894 |

Annual Average Flow: 1.032

Reading 9/1/2023 153494  
Reading 9/1/2024 531612

Total:  
Annual Average Flow: 1.036 MGD  
Capacity: 65%

Total 3



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

September 2024

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            |      | Composite Samples |        |          |      |         |         |         |          |         |    |  |     |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|------|-------------------|--------|----------|------|---------|---------|---------|----------|---------|----|--|-----|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS  | NH3-N             | CBOD   | Chloride | TDS  | TSS     | NH3-N   | CBOD    | Chloride | TDS     |    |  |     | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l | mg/l              | mg/l   | mg/l     | mg/l | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |    |  |     | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3    | 10                | Report | 739      | 225  | 45      | 150     | Report  | 11094    | Day     |    |  |     |          |  |
| 1         | 1.210   | 3.58          | 2.93    | 3.59    | 3.77    | 0.05  | 0.912      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 1       |    |  | 0   |          |  |
| 2         | 1.240   | 3.40          | 2.84    | 3.71    | 3.80    | 0.04  | 0.863      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 2       |    |  | 0   |          |  |
| 3         | 1.070   | 3.30          | 2.94    | 3.40    | 3.80    | 0.04  | 0.958      | 6.4      | 7.4          |      |         | 232        | 1.8  | 0.4               | 3.2    | 154      | 660  | 16.06   | 3.57    | 28.56   | 1374     | 5890    | 3  |  | 0   |          |  |
| 4         | 0.990   | 3.50          | 3.22    | 3.12    | 3.82    | 0.04  | 0.767      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 4       |    |  | 0   |          |  |
| 5         | 0.960   | 3.41          | 3.31    | 2.14    | 2.14    | 0.03  | 1.378      | 6.2      | 7.0          | 160  |         | 248        | 3.3  | 0.7               | 2.0    | 150      | 680  | 26.42   | 5.60    | 16.01   | 1201     | 5444    | 5  |  | 0   |          |  |
| 6         | 1.030   | 3.41          | 3.21    | 2.74    | 2.54    | 0.03  | 1.083      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 6       |    |  | 1   |          |  |
| 7         | 1.000   | 3.41          | 3.21    | 2.94    | 2.94    | 0.03  | 0.982      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 7       |    |  | 0   |          |  |
| 8         | 1.030   | 3.41          | 3.21    | 2.94    | 2.94    | 0.03  | 0.450      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 8       |    |  | 0   |          |  |
| 9         | 0.960   | 3.30          | 3.30    | 3.12    | 3.50    | 0.04  | 0.946      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 9       |    |  | 0   |          |  |
| 10        | 0.930   | 3.71          | 2.92    | 3.31    | 3.41    | 0.03  | 0.961      | 6.2      | 6.8          |      |         | 240        | 4.3  | 0.6               | 2.0    | 149      | 950  | 33.35   | 4.65    | 15.51   | 1156     | 7368    | 10 |  | 0   |          |  |
| 11        | 0.970   | 3.50          | 2.83    | 3.60    | 3.51    | 0.04  | 1.012      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 11      |    |  | 0   |          |  |
| 12        | 1.020   | 3.88          | 3.89    | 3.71    | 3.62    | 0.01  | 1.295      | 6.3      | 7.0          | 10   |         | 222        | 5.4  | 0.2               | 4.3    | 148      | 740  | 45.94   | 1.70    | 36.58   | 1259     | 6295    | 12 |  | 0.3 |          |  |
| 13        | 0.970   | 3.88          | 3.18    | 3.81    | 3.81    | 0.02  | 0.770      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 13      |    |  | 0   |          |  |
| 14        | 1.010   | 4.43          | 3.81    | 4.08    | 4.19    | 0.04  | 1.404      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 14      |    |  | 0   |          |  |
| 15        | 1.060   | 4.11          | 3.79    | 3.51    | 3.91    | 0.02  | 0.857      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 15      |    |  | 0   |          |  |
| 16        | 1.060   | 3.90          | 3.80    | 3.60    | 3.90    | 0.02  | 0.899      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 16      |    |  | 0   |          |  |
| 17        | 1.030   | 3.90          | 3.80    | 3.70    | 3.80    | 0.02  | 0.824      | 6.2      | 7.4          |      |         | 236        | 1.9  | 0.1               | 2.0    | 145      | 650  | 16.32   | 0.86    | 17.18   | 1246     | 5584    | 17 |  | 0   |          |  |
| 18        | 0.900   | 3.88          | 3.71    | 3.62    | 3.69    | 0.01  | 0.920      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 18      |    |  | 0   |          |  |
| 19        | 0.910   | 3.70          | 3.51    | 3.78    | 3.61    | 0.01  | 0.887      | 6.5      | 7.7          | 23   |         | 248        | 3.6  | 1.0               | 2.0    | 150      | 810  | 27.32   | 7.59    | 15.18   | 1138     | 6147    | 19 |  | 0   |          |  |
| 20        | 0.895   | 3.77          | 3.70    | 3.70    | 3.80    | 0.04  | 1.011      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 20      |    |  | 0   |          |  |
| 21        | 0.940   | 3.78          | 3.61    | 3.44    | 3.79    | 0.03  | 0.929      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 21      |    |  | 0   |          |  |
| 22        | 0.960   | 3.71          | 3.71    | 3.53    | 3.70    | 0.03  | 1.017      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 22      |    |  | 0   |          |  |
| 23        | 1.030   | 3.80          | 3.80    | 3.62    | 3.59    | 0.01  | 0.996      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 23      |    |  | 0   |          |  |
| 24        | 1.000   | 3.70          | 3.52    | 3.78    | 3.41    | 0.01  | 1.180      | 6.6      | 7.6          |      |         | 260        | 4.8  | 1.8               | 4.9    | 149      | 780  | 40.03   | 15.01   | 40.87   | 1243     | 6505    | 24 |  | 0   |          |  |
| 25        | 0.980   | 3.70          | 3.52    | 3.78    | 3.61    | 0.01  | 0.732      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 25      |    |  | 0   |          |  |
| 26        | 0.930   | 3.81          | 3.41    | 3.69    | 3.79    | 0.01  | 1.095      | 7.4      | 7.9          | 3    |         | 260        | 1.2  | 2.1               | 2.8    | 146      | 660  | 9.31    | 16.29   | 21.72   | 1132     | 5119    | 26 |  | 0   |          |  |
| 27        | 0.860   | 3.81          | 3.41    | 3.79    | 3.79    | 0.01  | 1.114      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 27      |    |  | 0   |          |  |
| 28        | 1.080   | 3.78          | 3.55    | 3.80    | 3.57    | 0.01  | 0.811      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 28      |    |  | 0   |          |  |
| 29        | 1.000   | 3.62          | 3.51    | 3.80    | 3.80    | 0.01  | 0.810      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 29      |    |  | 0   |          |  |
| 30        | 0.980   | 3.62          | 3.51    | 3.80    | 3.80    | 0.01  | 0.802      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 30      |    |  | 0   |          |  |
| 31        |         |               |         |         |         |       |            |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 31      |    |  |     |          |  |

| 24 Hour           |       | Chlorine mg/l |  |  |  |  | TCR mg/l | Flow MGD | DO  | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |       |       |       |      |      |  |      |
|-------------------|-------|---------------|--|--|--|--|----------|----------|-----|-----|---------|------------|-------|-------|-------|----------|------|-------|-------|-------|------|------|--|------|
| Average Lbs/ Day: |       |               |  |  |  |  |          |          |     |     |         |            | 26.84 | 6.91  | 23.95 | 1219     | 6044 |       |       |       |      |      |  |      |
| AVG               | 0.956 |               |  |  |  |  | 0.956    |          |     |     | 18      |            | 3.29  | 0.86  | 2.90  | 149      | 741  |       |       |       |      |      |  |      |
| MIN               | 0.860 | 2.14          |  |  |  |  |          | 0.450    | 6.2 | 6.8 | 3       |            | 1.2   | 0.1   | 2.0   | 145      | 650  | 9.31  | 0.86  | 15.18 | 1132 | 5119 |  | 0.00 |
| MAX               | 1.240 | 4.43          |  |  |  |  | 0.05     | 1.404    |     | 7.9 | 160     |            | 5.4   | 2.1   | 4.9   | 154      | 950  | 45.94 | 16.29 | 40.87 | 1374 | 7368 |  | 1.00 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,069                            |

Reading 9/1/2024 531612

Reading 10/1/2024 560277

# of days 30

Daily Average Flow= 0.956

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/24 | 0.910 | 07/24 | 1.124 | 10/23 | 1.165 |
|                             | 02/24 | 0.897 | 05/24 | 1.116 | 08/24 | 1.178 | 11/23 | 1.026 |
|                             | 03/24 | 0.885 | 06/24 | 1.046 | 09/24 | 0.956 | 12/23 | 0.894 |

Annual Average Flow: 1.017

Reading 10/1/2023 187588

Reading 10/1/2024 560277

Annual Average Flow: 1.021 MGD

Capacity: 53%

Total 1.3

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

October 2024

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            |      | Composite Samples |        |          |      |         |         |         |          |         |      |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|------|-------------------|--------|----------|------|---------|---------|---------|----------|---------|------|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS  | NH3-N             | CBOD   | Chloride | TDS  | TSS     | NH3-N   | CBOD    | Chloride | TDS     |      | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l | mg/l              | mg/l   | mg/l     | mg/l | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |      | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3    | 10                | Report | 739      | 225  | 45      | 150     | Report  | 11094    | Day     |      |          |  |
| 1         | 0.950   | 3.62          | 3.51    | 3.60    | 3.80    | 0.01  | 1.077      | 6.6      | 7.3          |      |         | 260        | 6.0  | 0.5               | 3.6    | 152      | 870  | 47.54   | 3.96    | 28.52   | 1204     | 6893    | 1    | 0        |  |
| 2         | 0.900   | 3.81          | 3.61    | 3.69    | 3.60    | 0.01  | 0.985      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 2       | 0    |          |  |
| 3         | 0.900   | 3.60          | 3.50    | 3.28    | 3.70    | 0.01  | 1.009      | 7.3      | 7.5          | 3    |         | 258        | 6.2  | 0.2               | 2.9    | 154      | 790  | 46.54   | 1.50    | 21.77   | 1156     | 5930    | 3    | 1        |  |
| 4         | 0.990   | 3.70          | 3.38    | 3.80    | 3.70    | 0.01  | 0.736      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 4       | 0    |          |  |
| 5         | 1.000   | 5.07          | 2.88    | 2.61    | 4.07    | 0.01  | 0.957      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 5       | 0    |          |  |
| 6         | 1.000   | 4.67          | 3.41    | 2.87    | 3.90    | 0.04  | 1.076      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 6       | 0    |          |  |
| 7         | 1.000   | 4.08          | 3.20    | 3.08    | 3.75    | 0.03  | 0.952      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 7       | 0    |          |  |
| 8         | 0.850   | 3.76          | 3.38    | 3.70    | 3.88    | 0.02  | 0.866      | 6.5      | 7.6          |      |         | 244        | 1.3  | 0.1               | 2.0    | 147      | 710  | 9.22    | 0.71    | 14.18   | 1042     | 5033    | 8    | 0        |  |
| 9         | 0.810   | 3.90          | 3.62    | 3.50    | 3.99    | 0.02  | 0.821      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 9       | 0.25 |          |  |
| 10        | 0.840   | 4.08          | 3.70    | 3.60    | 4.10    | 0.01  | 0.868      | 6.6      | 7.1          | 5    |         | 252        | 3.0  | 0.1               | 2.0    | 149      | 830  | 21.02   | 0.70    | 14.01   | 1044     | 5815    | 10   | 1        |  |
| 11        | 0.840   | 3.85          | 3.38    | 3.48    | 3.98    | 0.03  | 0.642      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 11      | 0    |          |  |
| 12        | 0.850   | 3.75          | 3.38    | 3.48    | 3.78    | 0.03  | 0.941      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 12      | 0    |          |  |
| 13        | 0.880   | 3.75          | 3.38    | 3.58    | 3.78    | 0.03  | 1.139      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 13      | 0    |          |  |
| 14        | 1.000   | 3.68          | 3.30    | 3.28    | 3.69    | 0.04  | 0.816      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 14      | 0    |          |  |
| 15        | 0.870   | 3.60          | 3.18    | 3.70    | 3.58    | 0.01  | 0.858      | 6.7      | 7.3          |      |         | 210        | 1.2  | 0.1               | 2.0    | 156      | 680  | 8.71    | 0.73    | 14.51   | 1132     | 4934    | 15   | 0        |  |
| 16        | 0.880   | 3.68          | 3.30    | 3.71    | 3.80    | 0.02  | 1.028      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 16      | 0    |          |  |
| 17        | 0.950   | 3.47          | 3.50    | 3.50    | 3.48    | 0.03  | 0.841      | 7.5      | 7.3          | 22   |         | 220        | 4.1  | 0.1               | 2.0    | 157      | 810  | 32.48   | 0.79    | 15.85   | 1244     | 6418    | 17   | 0.2      |  |
| 18        | 0.910   | 3.40          | 3.60    | 3.61    | 3.50    | 0.02  | 0.739      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 18      | 0    |          |  |
| 19        | 0.900   | 3.49          | 3.51    | 3.52    | 3.70    | 0.02  | 0.890      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 19      | 0    |          |  |
| 20        | 0.960   | 3.42          | 3.35    | 3.61    | 3.51    | 0.02  | 1.142      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 20      | 0    |          |  |
| 21        | 0.900   | 3.30          | 3.42    | 3.71    | 3.52    | 0.02  | 0.857      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 21      | 0    |          |  |
| 22        | 0.970   | 3.48          | 3.31    | 3.50    | 3.66    | 0.02  | 0.956      | 6.9      | 7.2          |      |         | 208        | 6.1  | 0.1               | 5.0    | 127      | 660  | 49.35   | 0.81    | 40.45   | 1027     | 5339    | 22   | 0        |  |
| 23        | 1.100   | 3.40          | 3.50    | 3.50    | 3.58    | 0.02  | 0.905      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 23      | 0    |          |  |
| 24        | 1.200   | 3.38          | 3.32    | 3.58    | 3.47    | 0.03  | 0.854      | 7.0      | 7.2          | 21   |         | 208        | 2.1  | 0.1               | 3.8    | 152      | 620  | 21.02   | 1.00    | 38.03   | 1521     | 6205    | 24   | 0        |  |
| 25        | 0.930   | 3.30          | 3.41    | 3.70    | 3.48    | 0.01  | 1.278      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 25      | 0    |          |  |
| 26        | 0.960   | 3.28          | 3.30    | 3.52    | 3.66    | 0.01  | 0.810      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 26      | 0    |          |  |
| 27        | 0.990   | 3.50          | 3.42    | 3.41    | 3.70    | 0.02  | 0.997      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 27      | 0    |          |  |
| 28        | 0.990   | 3.17          | 3.52    | 3.30    | 3.50    | 0.02  | 0.978      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 28      | 0    |          |  |
| 29        | 0.940   | 3.30          | 3.62    | 3.50    | 3.40    | 0.02  | 0.763      | 6.8      | 7.5          |      |         | 214        | 2.9  | 0.3               | 2.9    | 152      | 690  | 22.73   | 2.35    | 22.73   | 1192     | 5409    | 29   | 0        |  |
| 30        | 0.990   | 3.38          | 3.51    | 3.57    | 3.75    | 0.02  | 1.148      |          |              |      |         |            |      |                   |        |          |      |         |         |         |          | 30      | 0    |          |  |
| 31        | 0.940   | 3.50          | 3.40    | 3.50    | 3.50    | 0.02  | 0.896      | 6.5      | 7.5          | 26   |         | 228        | 2.9  | 0.1               | 2.9    | 158      | 754  | 22.73   | 0.78    | 22.73   | 1239     | 5911    | 31   | 0        |  |

|                       |       |          |  |          |  |       |       |         |            |       |       |       |          |      |       |      |       |      |      |  |  |  |  |      |
|-----------------------|-------|----------|--|----------|--|-------|-------|---------|------------|-------|-------|-------|----------|------|-------|------|-------|------|------|--|--|--|--|------|
| 24 Hour Chlorine mg/l |       | TCR mg/l |  | Flow MGD |  | DO    | pH    | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |       |      |       |      |      |  |  |  |  |      |
| Average Lbs/ Day:     |       |          |  |          |  |       |       |         |            | 28.13 | 1.33  | 23.28 | 1180     | 5789 |       |      |       |      |      |  |  |  |  |      |
| AVG                   | 0.930 |          |  |          |  | 0.930 |       | 11      |            | 3.58  | 0.17  | 2.91  | 150      | 741  |       |      |       |      |      |  |  |  |  |      |
| MIN                   | 0.810 | 2.61     |  |          |  | 0.642 | 6.5   | 7.1     | 3          | 1.2   | 0.1   | 2.0   | 127      | 620  | 8.71  | 0.70 | 14.01 | 1027 | 4934 |  |  |  |  | 0.00 |
| MAX                   | 1.200 | 5.07     |  |          |  | 0.04  | 1.278 | 7.6     | 26         | 6.2   | 0.5   | 5.0   | 158      | 870  | 49.35 | 3.96 | 40.45 | 1521 | 6893 |  |  |  |  | 1.00 |

2-Hour Peak Flow,  
<5,000 GPM:

1,118

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/24 | 0.910 | 07/24 | 1.124 | 10/24 | 0.930 |
|                             | 02/24 | 0.897 | 05/24 | 1.116 | 08/24 | 1.178 | 11/23 | 1.026 |
|                             | 03/24 | 0.885 | 06/24 | 1.046 | 09/24 | 0.956 | 12/23 | 0.894 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.998 |       |

Total 2.45

Reading 10/1/2024 560277

Reading 11/1/2024 589102

Reading

# of days 31

Daily Average Flow= 0.930

Reading 11/1/2023 223709

Reading 11/1/2024 589102

No measurable rainfall event recorded.

Annual Average Flow: 1.001 MGD

Capacity: 52%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

November 2024

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            |      | Composite Samples |        |          |       |         |         |         |          |         |          |        |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|------|-------------------|--------|----------|-------|---------|---------|---------|----------|---------|----------|--------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS  | NH3-N             | CBOD   | Chloride | TDS   | TSS     | NH3-N   | CBOD    | Chloride | TDS     | Rainfall |        |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l | mg/l              | mg/l   | mg/l     | mg/l  | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |          | Inches |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3    | 10                | Report | 739      | 225   | 45      | 150     | Report  | 11094    | Day     |          |        |  |
| 1         | 1.450   | 3.30          | 3.38    | 3.30    | 3.39    | 0.02  | 0.736      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 1       | 0        |        |  |
| 2         | 0.960   | 3.10          | 3.10    | 3.19    | 3.39    | 0.02  | 1.106      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 2       | 0        |        |  |
| 3         | 1.050   | 3.10          | 3.10    | 3.19    | 3.39    | 0.02  | 1.079      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 3       | 1        |        |  |
| 4         | 0.710   | 3.18          | 3.22    | 3.28    | 3.30    | 0.02  | 1.143      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 4       | 0        |        |  |
| 5         | 0.990   | 3.06          | 3.01    | 3.12    | 3.28    | 0.03  | 0.984      | 7.3      | 6.6          |      | 208     | 4.8        | 0.2  | 3.4               | 165    | 758      | 39.63 | 1.65    | 28.07   | 1362    | 6259     | 5       | 0        |        |  |
| 6         | 1.090   | 3.30          | 3.32    | 3.31    | 3.09    | 0.03  | 1.080      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 6       | 0        |        |  |
| 7         | 0.920   | 3.52          | 3.12    | 3.40    | 3.08    | 0.02  | 0.990      | 6.5      | 7.1          | 14   | 200     | 2.4        | 0.1  | 3.4               | 173    | 869      | 18.41 | 0.77    | 26.09   | 1327    | 6668     | 7       | 0        |        |  |
| 8         | 1.050   | 3.41          | 3.00    | 3.40    | 3.08    | 0.03  | 0.369      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 8       | 0        |        |  |
| 9         | 0.560   | 4.30          | 3.79    | 4.01    | 4.43    | 0.05  | 1.354      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 9       | 0.25     |        |  |
| 10        | 1.690   | 4.09          | 3.21    | 3.29    | 4.01    | 0.04  | 1.070      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 10      | 1        |        |  |
| 11        | 1.240   | 3.48          | 3.45    | 3.00    | 3.90    | 0.02  | 0.957      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 11      | 0        |        |  |
| 12        | 1.060   | 3.89          | 3.64    | 3.25    | 3.87    | 0.03  | 1.033      | 7.8      | 7.4          |      | 204     | 3.3        | 0.1  | 3.0               | 176    | 712      | 29.17 | 0.88    | 26.52   | 1556    | 6294     | 12      | 0        |        |  |
| 13        | 1.000   | 3.00          | 2.70    | 3.10    | 3.85    | 0.04  | 1.090      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 13      | 0        |        |  |
| 14        | 1.000   | 3.80          | 3.51    | 3.48    | 3.38    | 0.02  | 1.042      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 14      | 0        |        |  |
| 15        | 0.960   | 3.42          | 3.40    | 3.40    | 3.30    | 0.02  | 0.646      | 8.7      | 6.7          | 1    | 224     | 3.4        | 0.1  | 2.3               | 167    | 822      | 27.22 | 0.80    | 18.41   | 1337    | 6581     | 15      | 0        |        |  |
| 16        | 1.000   | 3.60          | 3.51    | 3.41    | 3.50    | 0.02  | 0.942      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 16      | 0        |        |  |
| 17        | 1.000   | 3.52          | 3.35    | 3.51    | 3.39    | 0.02  | 1.405      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 17      | 0.2      |        |  |
| 18        | 1.150   | 3.40          | 3.24    | 3.40    | 3.30    | 0.02  | 1.096      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 18      | 0        |        |  |
| 19        | 1.110   | 3.50          | 3.44    | 3.60    | 3.30    | 0.02  | 1.008      | 8.6      | 8.1          |      | 260     | 2.7        | 0.1  | 2.0               | 180    | 830      | 24.99 | 0.93    | 18.51   | 1666    | 7684     | 19      | 0        |        |  |
| 20        | 1.000   | 3.50          | 3.44    | 3.60    | 3.30    | 0.02  | 1.026      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 20      | 0        |        |  |
| 21        | 1.020   | 3.30          | 3.24    | 3.40    | 3.50    | 0.02  | 1.051      | 7.9      | 7.5          | 1990 | 246     | 3.8        | 0.1  | 3.2               | 159    | 876      | 32.33 | 0.85    | 27.22   | 1353    | 7452     | 21      | 0        |        |  |
| 22        | 1.010   | 3.30          | 3.14    | 3.31    | 3.50    | 0.02  | 1.099      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 22      | 0        |        |  |
| 23        | 1.115   | 3.38          | 3.21    | 3.38    | 3.32    | 0.04  | 0.987      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 23      | 0        |        |  |
| 24        | 1.020   | 3.21          | 3.09    | 3.57    | 3.64    | 0.02  | 0.707      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 24      | 0        |        |  |
| 25        | 0.980   | 3.21          | 3.09    | 3.57    | 3.64    | 0.02  | 0.930      | 8.0      | 7.5          |      | 240     | 2.1        | 0.1  | 3.2               | 153    | 993      | 17.16 | 0.82    | 26.15   | 1250    | 8116     | 25      | 0        |        |  |
| 26        | 0.920   | 3.11          | 3.30    | 3.50    | 3.41    | 0.02  | 1.151      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 26      | 0        |        |  |
| 27        | 0.920   | 3.04          | 3.22    | 3.40    | 3.30    | 0.02  | 0.823      | 6.8      | 7.1          | 1    | 242     | 8.4        | 0.1  | 7.0               | 161    | 770      | 64.45 | 0.77    | 53.71   | 1235    | 5908     | 27      | 0        |        |  |
| 28        | 1.020   | 3.04          | 3.22    | 3.40    | 3.30    | 0.02  | 0.807      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 28      | 0        |        |  |
| 29        | 0.980   | 3.04          | 3.22    | 3.40    | 3.30    | 0.02  | 1.239      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 29      | 0        |        |  |
| 30        | 0.940   | 3.24          | 3.22    | 3.80    | 3.50    | 0.02  | 0.971      |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 30      | 0        |        |  |
| 31        |         |               |         |         |         |       |            |          |              |      |         |            |      |                   |        |          |       |         |         |         |          | 31      |          |        |  |

| 24 HourChlorine mg/l |       |      |  | TCR mg/lFlow MGD |      | DO    | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |     |       |      |       |      |      |
|----------------------|-------|------|--|------------------|------|-------|-----|---------|------------|-------|-------|-------|----------|------|-----|-------|------|-------|------|------|
| Average Lbs/ Day:    |       |      |  |                  |      |       |     |         |            | 31.67 | 0.93  | 28.09 | 1386     | 6870 |     |       |      |       |      |      |
| AVG                  | 0.997 |      |  |                  |      | 0.997 |     | 13      |            | 3.86  | 0.11  | 3.44  | 167      | 829  |     |       |      |       |      |      |
| MIN                  | 0.560 | 2.70 |  |                  |      | 0.369 | 6.5 | 6.6     | 1          |       | 2.1   | 0.1   | 2.0      | 153  | 712 | 17.16 | 0.77 | 18.41 | 1235 | 5908 |
| MAX                  | 1.690 | 4.43 |  |                  | 0.05 | 1.405 |     | 8.1     | 1990       |       | 8.4   | 0.2   | 7.0      | 180  | 993 | 64.45 | 1.65 | 53.71 | 1666 | 8116 |

2-Hour Peak Flow,  
<5,000 GPM:  
  
1,167

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/24 | 0.910 | 07/24 | 1.124 | 10/24 | 0.930 |
|                             | 02/24 | 0.897 | 05/24 | 1.116 | 08/24 | 1.178 | 11/24 | 0.997 |
|                             | 03/24 | 0.885 | 06/24 | 1.046 | 09/24 | 0.956 | 12/23 | 0.894 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.995 |       |

Total 2.45

Reading 11/1/2024 589102  
Reading 12/1/2024 619023  
# of days 30  
Daily Average Flow= 0.99737

Reading 12/1/2023 254496  
Reading 12/1/2024 619023

Annual Average Flow: 0.999 MGD  
Capacity: 55%



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM II PHASE

December 2024

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|                   |       |               |  |  |  |          |          |     |     |         |            |       |       |       |          |      |       |       |       |      |       |  |      |
|-------------------|-------|---------------|--|--|--|----------|----------|-----|-----|---------|------------|-------|-------|-------|----------|------|-------|-------|-------|------|-------|--|------|
| 24 Hour           |       | Chlorine mg/l |  |  |  | TCR mg/l | Flow MGD | DO  | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |       |       |       |      |       |  |      |
| Average Lbs/ Day: |       |               |  |  |  |          |          |     |     |         |            | 29.46 | 3.66  | 29.08 | 1517     | 8522 |       |       |       |      |       |  |      |
| AVG               | 0.986 |               |  |  |  |          | 0.986    |     |     | 4       |            | 3.19  | 0.43  | 3.14  | 163      | 910  |       |       |       |      |       |  |      |
| MIN               | 0.093 | 1.05          |  |  |  |          | 0.528    | 7.0 | 7.0 | 2       |            | 1.0   | 0.1   | 2.0   | 146      | 760  | 8.92  | 0.87  | 16.91 | 1008 | 5451  |  | 0.00 |
| MAX               | 1.682 | 4.60          |  |  |  | 0.04     | 1.510    |     | 8.1 | 8       |            | 4.7   | 1.8   | 5.5   | 217      | 1380 | 42.73 | 11.71 | 52.75 | 2048 | 13236 |  | 2.00 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,166                            |

Reading 12/1/2024 619023  
Reading 1/1/2025 649595

# of days 31  
Daily Average Flow= 0.986194

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/24 | 1.011 | 04/24 | 0.910 | 07/24 | 1.124 | 10/24 | 0.930 |
|                             | 02/24 | 0.897 | 05/24 | 1.116 | 08/24 | 1.178 | 11/24 | 0.997 |
|                             | 03/24 | 0.885 | 06/24 | 1.046 | 09/24 | 0.956 | 12/24 | 0.986 |

Annual Average Flow: 1.003

Reading 1/1/2024 282208  
Reading 1/1/2025 649595

Total  
Annual Average Flow: 1.007 MGD  
Capacity: 55%

Total 7.02

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY INTERIM I PHASE

January 2025

| TX0124907 |         | Grab Samples  |         |         |         |          |            | Grab Samples |           |         |            | Composite Samples |       |      |          |      |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|----------|------------|--------------|-----------|---------|------------|-------------------|-------|------|----------|------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         | TCR mg/l | Flow MGD   | DO           | pH        | E. coli | Alkalinity | TSS               | NH3-N | CBOD | Chloride | TDS  | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         | <0.1     | 1.800      | mg/L         | S.U.      | CFU/ml  | mg/l       | mg/l              | mg/l  | mg/l | mg/l     | mg/l | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final    | Total Flow | 4.0          | 6.5 - 9.0 | 63      | NA         | 15                | 3     | 10   | Report   | 739  | 225     | 45      | 150     | Report   | 11094   | Day |          |
| 1         | 0.820   | 3.81          | 2.90    | 2.81    | 3.92    | 0.00     | 0.881      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 1   | 0        |
| 2         | 0.880   | 3.39          | 2.60    | 2.47    | 3.27    | 0.02     | 0.901      | 7.9          | 7.2       | 3       | 226        | 5.8               | 0.3   | 4.2  | 99       | 792  | 42.57   | 2.20    | 30.82   | 727      | 5813    | 2   | 0        |
| 3         | 0.820   | 3.02          | 2.72    | 2.68    | 3.48    | 0.03     | 0.569      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 3   | 0        |
| 4         | 0.880   | 3.39          | 2.85    | 3.39    | 3.91    | 0.02     | 0.885      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 4   | 0        |
| 5         | 0.850   | 3.81          | 3.40    | 3.81    | 4.30    | 0.01     | 1.033      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 5   | 0        |
| 6         | 0.850   | 3.27          | 2.52    | 2.75    | 3.65    | 0.02     | 0.782      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 6   | 1.5      |
| 7         | 0.680   | 3.38          | 2.80    | 1.58    | 3.80    | 0.02     | 0.853      | 8.1          | 7.9       |         | 228        | 4.6               | 0.3   | 2.0  | 142      | 782  | 26.09   | 1.70    | 11.34   | 805      | 4435    | 7   | 0        |
| 8         | 0.650   | 3.55          | 2.34    | 1.81    | 3.22    | 0.02     | 0.861      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 8   | 0        |
| 9         | 0.660   | 3.67          | 2.78    | 2.43    | 3.09    | 0.02     | 1.248      | 8.8          | 7.4       | 6       | 228        | 8.8               | 0.2   | 3.5  | 125      | 720  | 48.44   | 1.10    | 19.27   | 688      | 3963    | 9   | 0        |
| 10        | 0.990   | 3.12          | 2.56    | 3.21    | 2.85    | 0.02     | 0.587      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 10  | 2        |
| 11        | 1.000   | 3.74          | 2.80    | 2.97    | 3.20    | 0.02     | 0.931      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 11  | 0        |
| 12        | 0.830   | 4.27          | 3.99    | 3.81    | 3.54    | 0.04     | 1.082      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 12  | 0        |
| 13        | 0.720   | 3.53          | 3.40    | 3.10    | 3.28    | 0.02     | 0.851      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 13  | 0        |
| 14        | 0.760   | 3.45          | 3.22    | 3.07    | 3.28    | 0.02     | 0.773      | 9.5          | 7.3       |         | 228        | 6.8               | 0.2   | 4.8  | 133      | 750  | 43.10   | 1.27    | 30.42   | 843      | 4754    | 14  | 0        |
| 15        | 0.730   | 1.38          | 3.80    | 1.13    | 3.76    | 0.02     | 0.820      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 15  | 0        |
| 16        | 0.660   | 3.85          | 3.75    | 2.82    | 2.92    | 0.02     | 0.712      | 7.1          | 7.2       | 24      | 220        | 4.8               | 0.1   | 2.9  | 150      | 788  | 26.42   | 0.55    | 15.96   | 826      | 4337    | 16  | 0        |
| 17        | 0.650   | 3.32          | 3.47    | 2.87    | 2.78    | 0.02     | 1.047      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 17  | 0        |
| 18        | 0.780   | 3.48          | 3.39    | 3.35    | 3.35    | 0.04     | 0.786      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 18  | 0        |
| 19        | 0.760   | 3.70          | 3.62    | 3.19    | 3.76    | 0.02     | 0.650      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 19  | 0        |
| 20        | 0.740   | 3.25          | 3.38    | 2.98    | 3.28    | 0.02     | 0.955      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 20  | 0        |
| 21        | 0.950   | 3.81          | 3.63    | 3.69    | 3.81    | 0.01     | 0.974      | 10.2         | 7.3       |         | 210        | 10.8              | 0.1   | 2.4  | 150      | 798  | 85.57   | 0.79    | 19.02   | 1188     | 6323    | 21  | 0        |
| 22        | 0.790   | 3.38          | 3.50    | 3.45    | 3.37    | 0.02     | 1.051      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 22  | 0        |
| 23        | 0.750   | 3.07          | 3.09    | 3.28    | 2.99    | 0.02     | 0.688      | 8.6          | 7.1       | 727     | 220        | 1.0               | 0.1   | 2.8  | 132      | 758  | 6.26    | 0.63    | 17.51   | 826      | 4741    | 23  | 0        |
| 24        | 0.670   | 3.24          | 3.12    | 3.29    | 3.15    | 0.02     | 0.476      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 24  | 0        |
| 25        | 0.700   | 3.15          | 3.10    | 3.20    | 3.15    | 0.02     | 1.245      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 25  | 0        |
| 26        | 0.780   | 3.15          | 3.10    | 3.10    | 3.15    | 0.02     | 0.852      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 26  | 1        |
| 27        | 0.730   | 2.87          | 2.95    | 2.85    | 2.96    | 0.02     | 0.813      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 27  | 1        |
| 28        | 0.670   | 3.10          | 3.08    | 3.08    | 3.10    | 0.02     | 0.824      | 9.8          | 7.1       |         | 208        | 15.1              | 0.2   | 2.2  | 143      | 752  | 84.38   | 0.93    | 12.29   | 799      | 4202    | 28  | 0        |
| 29        | 0.680   | 2.85          | 2.99    | 2.96    | 2.82    | 0.02     | 0.658      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 29  | 0.25     |
| 30        | 0.540   | 2.99          | 2.82    | 3.06    | 2.88    | 0.02     | 0.943      | 8.5          | 7.5       | 50      | 210        | 5.7               | 0.1   | 2.3  | 140      | 752  | 25.67   | 0.45    | 10.36   | 631      | 3387    | 30  | 0        |
| 31        | 0.630   | 2.88          | 2.96    | 2.98    | 3.05    | 0.02     | 0.611      |              |           |         |            |                   |       |      |          |      |         |         |         |          |         | 31  | 0        |

| 24 hr flow        |       | Chlorine |  |  |  | TCR  | DO    |     |     |     | pH | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |       |      |       |      |      |
|-------------------|-------|----------|--|--|--|------|-------|-----|-----|-----|----|---------|------------|-------|-------|-------|----------|------|-------|------|-------|------|------|
| Average Lbs/ Day: |       |          |  |  |  |      |       |     |     |     |    |         |            | 43.17 | 1.07  | 18.56 | 815      | 4662 |       |      |       |      |      |
| AVG               | 0.850 |          |  |  |  |      | 0.850 |     |     |     | 27 |         |            | 7.04  | 0.17  | 3.01  | 135      | 766  |       |      |       |      |      |
| MIN               | 0.540 | 1.13     |  |  |  |      | 0.476 | 7.1 | 7.1 | 3   |    |         |            | 1.0   | 0.1   | 2.0   | 99       | 720  | 6.26  | 0.45 | 10.36 | 631  | 3387 |
| MAX               | 1.000 | 4.30     |  |  |  | 0.04 | 1.248 |     | 7.9 | 727 |    |         |            | 15.1  | 0.3   | 4.8   | 150      | 798  | 85.57 | 2.20 | 30.82 | 1188 | 6323 |

|                               |
|-------------------------------|
| 2-Hour Peak Flow, <5,000 GPM: |
| 1,507                         |

Reading 1/1/2025 649595  
Reading 2/1/2025 675937  
# of days 31  
Daily Average Flow= 0.850 MGD

|                       |       |       |       |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly Average Flows | 01/25 | 0.850 | 04/24 | 0.910 | 07/24 | 1.124 | 10/24 | 0.930 |
|                       | 02/24 | 0.897 | 05/24 | 1.116 | 08/24 | 1.178 | 11/24 | 0.997 |
|                       | 03/24 | 0.885 | 06/24 | 1.046 | 09/24 | 0.956 | 12/24 | 0.986 |

Annual Average Flow: 0.990

Reading 2/1/2024 313564  
Reading 2/1/2025 675937

Total  
Annual Average Flow: 0.993 MGD  
Capacity: 47%

high TDS  
E. Coli exceedence

Total 5.75

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

February 2025

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            |      | Composite Samples |        |          |        |         |         |         |          |         |     |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|------|-------------------|--------|----------|--------|---------|---------|---------|----------|---------|-----|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS  | NH3-N             | CBOD   | Chloride | TDS    | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l | mg/l              | mg/l   | mg/l     | mg/l   | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3    | 10                | Report | 739      | 225    | 45      | 150     | Report  | 11094    | Day     |     |          |  |
| 1         | 0.740   | 3.51          | 3.77    | 3.54    | 3.49    | 0.03  | 0.826      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 1       | 0   |          |  |
| 2         | 0.780   | 3.74          | 3.34    | 2.78    | 3.77    | 0.01  | 1.017      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 2       | 0   |          |  |
| 3         | 0.690   | 3.32          | 3.08    | 2.61    | 3.52    | 0.01  | 0.774      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 3       | 0   |          |  |
| 4         | 0.650   | 1.70          | 1.86    | 2.67    | 2.85    | 0.02  | 0.872      | 7.7      | 7.4          |      | 226     | 24.7       | 0.1  | 3.0               | 140    | 744      | 133.90 | 0.54    | 16.26   | 759     | 4033     | 4       | 0   |          |  |
| 5         | 0.680   | 1.87          | 2.00    | 2.49    | 2.98    | 0.02  | 0.848      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 5       | 0   |          |  |
| 6         | 0.700   | 1.90          | 2.15    | 2.77    | 2.90    | 0.02  | 0.765      | 6.7      | 7.3          | 16   | 246     | 2.7        | 2.6  | 2.6               | 150    | 732      | 15.76  | 15.18   | 15.18   | 876     | 4273     | 6       | 0   |          |  |
| 7         | 0.660   | 2.07          | 2.18    | 2.65    | 3.05    | 0.02  | 0.639      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 7       | 0   |          |  |
| 8         | 0.820   | 2.40          | 2.39    | 3.09    | 3.17    | 0.01  | 0.803      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 8       | 0   |          |  |
| 9         | 0.810   | 2.91          | 3.65    | 3.49    | 3.39    | 0.02  | 1.078      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 9       | 0   |          |  |
| 10        | 0.700   | 3.08          | 3.42    | 3.37    | 3.12    | 0.02  | 0.751      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 10      | 0   |          |  |
| 11        | 0.710   | 2.65          | 3.16    | 3.05    | 3.20    | 0.02  | 0.900      | 8.4      | 7.4          |      | 256     | 12.0       | 4.5  | 3.7               | 150    | 714      | 71.06  | 26.65   | 21.91   | 888     | 4228     | 11      | 0.5 |          |  |
| 12        | 0.720   | 2.79          | 2.87    | 2.82    | 2.88    | 0.02  | 0.723      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 12      | 0.2 |          |  |
| 13        | 0.640   | 2.99          | 2.95    | 3.04    | 3.15    | 0.02  | 0.753      | 8.3      | 7.4          | 6    | 234     | 8.2        | 4.0  | 2.0               | 150    | 840      | 43.77  | 21.35   | 10.68   | 801     | 4484     | 13      | 0   |          |  |
| 14        | 0.670   | 3.06          | 2.70    | 3.01    | 2.89    | 0.02  | 0.547      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 14      | 0   |          |  |
| 15        | 0.700   | 2.80          | 2.70    | 3.01    | 2.89    | 0.02  | 0.949      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 15      | 0   |          |  |
| 16        | 0.780   | 2.80          | 2.70    | 3.21    | 2.79    | 0.02  | 0.966      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 16      | 0   |          |  |
| 17        | 0.700   | 3.05          | 2.84    | 3.05    | 3.01    | 0.02  | 0.684      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 17      | 0   |          |  |
| 18        | 0.600   | 2.89          | 3.17    | 2.86    | 3.18    | 0.02  | 0.962      | 8.6      | 7.4          |      | 228     | 3.5        | 1.1  | 12.6              | 150    | 764      | 17.51  | 5.50    | 63.05   | 751     | 3823     | 18      | 0   |          |  |
| 19        | 0.710   | 2.63          | 2.90    | 2.74    | 3.02    | 0.02  | 0.635      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 19      | 2   |          |  |
| 20        | 0.660   | 2.81          | 2.75    | 2.77    | 2.83    | 0.02  | 1.157      | 8.1      | 7.3          | 7    | 220     | 2.7        | 0.1  | 2.8               | 154    | 847      | 14.86  | 0.55    | 15.41   | 848     | 4662     | 20      | 0   |          |  |
| 21        | 0.770   | 2.97          | 2.52    | 2.69    | 2.98    | 0.02  | 0.528      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 21      | 0   |          |  |
| 22        | 0.830   | 3.17          | 2.89    | 3.30    | 3.15    | 0.02  | 0.818      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 22      | 0   |          |  |
| 23        | 0.820   | 2.89          | 2.40    | 3.17    | 2.82    | 0.02  | 1.093      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 23      | 0.6 |          |  |
| 24        | 0.670   | 3.16          | 2.65    | 3.01    | 3.05    | 0.02  | 0.717      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 24      | 0   |          |  |
| 25        | 0.570   | 2.37          | 2.64    | 2.68    | 2.88    | 0.02  | 0.907      | 8.8      | 7.6          |      | 236     | 16.7       | 0.3  | 5.4               | 146    | 712      | 79.39  | 1.43    | 25.67   | 694     | 3385     | 25      | 0   |          |  |
| 26        | 0.630   | 2.74          | 2.65    | 3.14    | 2.85    | 0.02  | 0.706      |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 26      | 0   |          |  |
| 27        | 0.600   | 3.01          | 2.81    | 2.68    | 2.87    | 0.01  | 0.911      | 8.2      | 7.2          |      | 254     | 1.9        | 0.1  | 2.0               | 141    | 738      | 9.51   | 0.50    | 10.01   | 706     | 3693     | 27      | 0   |          |  |
| 28        | 0.640   | 2.88          | 2.75    | 2.42    | 2.81    | 0.01  | 0.630      |          |              | 1    |         |            |      |                   |        |          |        |         |         |         |          | 28      | 0   |          |  |
| 29        |         |               |         |         |         |       |            |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 29      |     |          |  |
| 30        |         |               |         |         |         |       |            |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 30      |     |          |  |
| 31        |         |               |         |         |         |       |            |          |              |      |         |            |      |                   |        |          |        |         |         |         |          | 31      |     |          |  |

|                   |       |               |  |  |  |         |       |          |     |    |         |            |       |       |       |          |      |        |       |       |     |      |
|-------------------|-------|---------------|--|--|--|---------|-------|----------|-----|----|---------|------------|-------|-------|-------|----------|------|--------|-------|-------|-----|------|
| 24 Hour           |       | Chlorine mg/l |  |  |  | TCR mg/ |       | Flow MGD | DO  | pH | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |        |       |       |     |      |
| Average Lbs/ Day: |       |               |  |  |  |         |       |          |     |    |         |            | 48.22 | 8.96  | 22.27 | 790      | 4073 |        |       |       |     |      |
| AVG               | 0.820 |               |  |  |  |         | 0.820 |          |     |    | 5       |            | 9.05  | 1.60  | 4.26  | 148      | 761  |        |       |       |     |      |
| MIN               | 0.570 | 1.70          |  |  |  |         | 0.528 | 6.7      | 7.2 | 1  |         |            | 1.9   | 0.1   | 2.0   | 140      | 712  | 9.51   | 0.50  | 10.01 | 694 | 3385 |
| MAX               | 0.830 | 3.77          |  |  |  | 0.03    | 1.157 |          | 7.6 | 16 |         |            | 24.7  | 4.5   | 12.6  | 154      | 847  | 133.90 | 26.65 | 63.05 | 888 | 4662 |

|                                  |
|----------------------------------|
| 2-Hour Peak Flow,<br><5,000 GPM: |
| 1,069                            |

|                             |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monthly<br>Average<br>Flows | 01/25 | 0.850 | 04/24 | 0.910 | 07/24 | 1.124 | 10/24 | 0.930 |
|                             | 02/25 | 0.820 | 05/24 | 1.116 | 08/24 | 1.178 | 11/24 | 0.997 |
|                             | 03/24 | 0.885 | 06/24 | 1.046 | 09/24 | 0.956 | 12/24 | 0.986 |
| Annual Average Flow:        |       |       |       |       |       |       | 0.983 |       |

Total 3.3

Reading 2/1/2025 675937  
Reading 3/1/2025 698896

Reading 3/1/2024 339565  
Reading 3/1/2025 698896

# of days 29  
28  
Daily Average Flow= 0.819964

Total  
Annual Average Flow: 0.984 MGD  
Capacity: 46%



HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

March 2025

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            | Composite Samples |       |        |          |      |         |         |         |          |         |     |          |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|-------------------|-------|--------|----------|------|---------|---------|---------|----------|---------|-----|----------|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS               | NH3-N | CBOD   | Chloride | TDS  | TSS     | NH3-N   | CBOD    | Chloride | TDS     |     | Rainfall |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |     | Inches   |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3                 | 10    | Report | 739      | 225  | 45      | 150     | Report  | 11094    | Day     |     |          |
| 1         | 0.680   | 3.00          | 2.58    | 2.75    | 2.71    | 0.01  | 0.943      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 1       | 0   |          |
| 2         | 0.708   | 3.02          | 2.67    | 3.08    | 2.87    | 0.01  | 0.844      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 2       | 0   |          |
| 3         | 0.650   | 2.54          | 2.61    | 3.01    | 3.04    | 0.01  | 0.690      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 3       | 0   |          |
| 4         | 0.710   | 2.67          | 2.55    | 2.76    | 3.01    | 0.01  | 1.009      | 7.9      | 7.5          |      |         | 270        | 2.1               | 1.4   | 5.7    | 153      | 730  | 12.43   | 8.29    | 33.75   | 906      | 4323    | 4   | 1        |
| 5         | 0.750   | 2.75          | 2.69    | 2.92    | 2.83    | 0.01  | 0.883      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 5       | 0   |          |
| 6         | 0.750   | 2.82          | 2.67    | 2.85    | 2.83    | 0.02  | 0.846      | 8.3      | 7.6          |      |         | 266        | 4.1               | 0.7   | 2.0    | 188      | 670  | 25.65   | 4.38    | 12.51   | 1176     | 4191    | 6   | 0        |
| 7         | 0.810   | 2.64          | 2.64    | 2.84    | 2.85    | 0.02  | 0.574      |          |              | 1    |         |            |                   |       |        |          |      |         |         |         |          | 7       | 0   |          |
| 8         | 0.890   | 2.69          | 2.55    | 3.05    | 3.18    | 0.01  | 0.860      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 8       | 0   |          |
| 9         | 0.860   | 2.60          | 2.67    | 3.12    | 3.25    | 0.01  | 0.916      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 9       | 0.5 |          |
| 10        | 0.550   | 2.78          | 2.78    | 2.88    | 3.02    | 0.01  | 0.719      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 10      | 0.5 |          |
| 11        | 0.510   | 2.95          | 2.74    | 2.90    | 2.77    | 0.01  | 0.767      | 8.5      | 7.5          |      |         | 230        | 10.8              | 0.1   | 2.1    | 151      | 660  | 45.94   | 0.43    | 8.93    | 642      | 2807    | 11  | 0        |
| 12        | 0.540   | 2.63          | 2.87    | 3.05    | 2.57    | 0.01  | 0.875      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 12      | 0   |          |
| 13        | 0.610   | 2.34          | 2.46    | 2.85    | 2.79    | 0.01  | 0.734      | 7.6      | 7.4          | 15   |         | 216        | 2.3               | 0.1   | 3.8    | 149      | 700  | 11.70   | 0.51    | 19.33   | 758      | 3561    | 13  | 0        |
| 14        | 0.640   | 2.58          | 2.68    | 2.85    | 2.84    | 0.01  | 0.657      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 14      | 0   |          |
| 15        | 0.640   | 2.60          | 2.68    | 2.85    | 2.84    | 0.01  | 0.746      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 15      | 0   |          |
| 16        | 0.750   | 2.60          | 2.68    | 2.85    | 3.34    | 0.01  | 1.011      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 16      | 0   |          |
| 17        | 0.690   | 2.47          | 2.65    | 2.81    | 3.20    | 0.01  | 0.886      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 17      | 0   |          |
| 18        | 0.700   | 2.65          | 2.62    | 2.90    | 2.97    | 0.01  | 0.864      | 8.4      | 7.9          |      |         | 256        | 8.3               | 0.1   | 3.5    | 155      | 750  | 48.46   | 0.58    | 20.43   | 905      | 4379    | 18  | 0        |
| 19        | 0.670   | 2.53          | 2.55    | 3.06    | 2.81    | 0.01  | 0.750      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 19      | 0   |          |
| 20        | 0.580   | 2.69          | 2.77    | 2.85    | 2.90    | 0.01  | 1.083      | 8.7      | 7.5          | 1300 |         | 278        | 8.8               | 0.1   | 3.4    | 151      | 910  | 42.57   | 0.48    | 16.45   | 730      | 4402    | 20  | 0        |
| 21        | 0.730   | 2.71          | 2.95    | 2.78    | 2.77    | 0.02  | 0.788      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 21      | 0   |          |
| 22        | 0.870   | 1.91          | 2.95    | 2.80    | 2.77    | 0.02  | 0.701      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 22      | 0   |          |
| 23        | 0.880   | 2.65          | 2.07    | 3.45    | 3.04    | 0.01  | 1.347      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 23      | 0   |          |
| 24        | 0.890   | 1.12          | 1.10    | 3.30    | 2.92    | 0.02  | 0.696      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 24      | 1   |          |
| 25        | 0.580   | 2.36          | 2.06    | 3.09    | 2.96    | 0.02  | 1.131      | 8.0      | 7.5          |      |         | 284        | 16.1              | 0.3   | 2.0    | 150      | 940  | 77.88   | 1.45    | 9.67    | 726      | 4547    | 25  | 0        |
| 26        | 0.770   | 2.64          | 2.74    | 2.96    | 2.72    | 0.02  | 0.833      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 26      | 0   |          |
| 27        | 0.770   | 2.70          | 2.91    | 2.78    | 2.98    | 0.02  | 1.034      | 7.9      | 7.8          | 9    |         | 280        | 2.8               | 0.1   | 2.4    | 152      | 900  | 17.98   | 0.64    | 15.41   | 976      | 5780    | 27  | 0.25     |
| 28        | 0.750   | 2.76          | 2.77    | 2.71    | 2.84    | 0.02  | 0.855      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 28      | 0   |          |
| 29        | 0.930   | 2.76          | 2.77    | 2.71    | 2.84    | 0.02  | 0.828      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 29      | 0   |          |
| 30        | 0.930   | 2.76          | 2.77    | 2.71    | 2.84    | 0.02  | 1.208      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 30      | 0   |          |
| 31        | 0.770   | 2.71          | 2.84    | 2.80    | 2.84    | 0.02  | 0.794      |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 31      | 0   |          |

| 24 Hour           |       | Chlorine mg/l |  |  |  |  | TCR mg/ | Flow MGD | DO  | pH  | E. coli | Alkalinity | TSS   | NH3-N | CBOD  | Chloride | TDS  |       |      |       |      |      |
|-------------------|-------|---------------|--|--|--|--|---------|----------|-----|-----|---------|------------|-------|-------|-------|----------|------|-------|------|-------|------|------|
| Average Lbs/ Day: |       |               |  |  |  |  |         |          |     |     |         |            | 35.33 | 2.10  | 17.06 | 852      | 4249 |       |      |       |      |      |
| AVG               | 0.867 |               |  |  |  |  | 0.867   |          |     |     | 20      |            | 6.91  | 0.36  | 3.11  | 156      | 783  |       |      |       |      |      |
| MIN               | 0.510 | 1.10          |  |  |  |  | 0.574   | 7.6      | 7.4 | 1   |         |            | 2.1   | 0.1   | 2.0   | 149      | 660  | 11.70 | 0.43 | 8.93  | 642  | 2807 |
| MAX               | 0.930 | 3.45          |  |  |  |  | 0.02    | 1.347    |     | 7.9 | 1300    |            | 16.1  | 1.4   | 5.7   | 188      | 940  | 77.88 | 8.29 | 33.75 | 1176 | 5780 |

|                                  |         |                      |       |       |       |       |       |       |       |       |                         |      |
|----------------------------------|---------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------|------|
| 2-Hour Peak Flow,<br><5,000 GPM: | Monthly |                      | 01/25 | 0.850 | 04/24 | 0.910 | 07/24 | 1.124 | 10/24 | 0.930 | Total                   | 3.25 |
|                                  | Average |                      | 02/25 | 0.820 | 05/24 | 1.116 | 08/24 | 1.178 | 11/24 | 0.997 |                         |      |
|                                  | Flows   |                      | 03/25 | 0.867 | 06/24 | 1.046 | 09/24 | 0.956 | 12/24 | 0.986 |                         |      |
| 1,118                            |         | Annual Average Flow: |       |       |       |       |       |       | 0.982 |       | high E. coli exceedance |      |

Reading 3/1/2025 698896

Reading 4/1/2025 725768

# of days 31

Daily Average Flow= 0.867

Reading 4/1/2024 366991

Reading 4/1/2025 725768

Annual Average Flow: 0.983 MGD

Capacity: 48%

HARRIS COUNTY MUD 387 EFFLUENT MONTHLY SUMMARY

April 2025

| TX0124907 |         | Grab Samples  |         |         |         |       |            |          | Grab Samples |      |         |            | Composite Samples |       |        |          |      |         |         |         |          |         |  |          |  |
|-----------|---------|---------------|---------|---------|---------|-------|------------|----------|--------------|------|---------|------------|-------------------|-------|--------|----------|------|---------|---------|---------|----------|---------|--|----------|--|
| DAY       | 24 Hour | Chlorine mg/l |         |         |         |       | TCR mg/l   | Flow MGD | DO           | pH   | E. coli | Alkalinity | TSS               | NH3-N | CBOD   | Chloride | TDS  | TSS     | NH3-N   | CBOD    | Chloride | TDS     |  | Rainfall |  |
|           | Flow    | 1.0 - 4.0     |         |         |         |       | <0.1       | 1.800    | mg/L         | S.U. | CFU/ml  | mg/l       | mg/l              | mg/l  | mg/l   | mg/l     | mg/l | lbs/day | lbs/day | lbs/day | lbs/day  | lbs/day |  | Inches   |  |
| Permit    |         | Plant 1       | Plant 2 | Plant 3 | Plant 4 | Final | Total Flow | 4.0      | 6.5 - 9.0    | 63   | NA      | 15         | 3                 | 10    | Report | 739      | 225  | 45      | 150     | Report  | 11094    | Day     |  |          |  |
| 1         |         |               |         |         |         |       |            | 7.8      | 7.6          |      | 284     | 13.0       | 0.1               | 3.8   | 160    | 810      | ?    | ?       | ?       | ?       | ?        | 1       |  |          |  |
| 2         |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 2       |  |          |  |
| 3         |         |               |         |         |         |       |            | 7.5      | 7.7          | 14   | 178     | 3.2        | 0.1               | 2.8   | 154    | 710      | ?    | ?       | ?       | ?       | ?        | 3       |  |          |  |
| 4         |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 4       |  |          |  |
| 5         |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 5       |  |          |  |
| 6         |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 6       |  |          |  |
| 7         |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 7       |  |          |  |
| 8         |         |               |         |         |         |       |            | 8.8      | 7.9          |      | 276     | 3.6        | 0.1               | 4.1   | 147    | 680      | ?    | ?       | ?       | ?       | ?        | 8       |  |          |  |
| 9         |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 9       |  |          |  |
| 10        |         |               |         |         |         |       |            | 8.1      | 7.9          | 8    | 226     | 2.9        | 1.8               | 4.1   | 152    |          | ?    | ?       | ?       | ?       |          | 10      |  |          |  |
| 11        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 11      |  |          |  |
| 12        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 12      |  |          |  |
| 13        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 13      |  |          |  |
| 14        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 14      |  |          |  |
| 15        |         |               |         |         |         |       |            | 6.8      | 7.4          |      | 276     | 6.8        | 0.1               | 3.5   | 137    |          | ?    | ?       | ?       | ?       |          | 15      |  |          |  |
| 16        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 16      |  |          |  |
| 17        |         |               |         |         |         |       |            | 9.1      | 7.6          | 7    | 76      | 2.6        | 0.1               |       | 148    | 900      | ?    | ?       |         | ?       | ?        | 17      |  |          |  |
| 18        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 18      |  |          |  |
| 19        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 19      |  |          |  |
| 20        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 20      |  |          |  |
| 21        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 21      |  |          |  |
| 22        |         |               |         |         |         |       |            | 8.0      | 7.4          |      |         |            |                   |       |        |          |      |         |         |         |          | 22      |  |          |  |
| 23        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 23      |  |          |  |
| 24        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 24      |  |          |  |
| 25        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 25      |  |          |  |
| 26        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 26      |  |          |  |
| 27        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 27      |  |          |  |
| 28        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 28      |  |          |  |
| 29        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 29      |  |          |  |
| 30        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 30      |  |          |  |
| 31        |         |               |         |         |         |       |            |          |              |      |         |            |                   |       |        |          |      |         |         |         |          | 31      |  |          |  |

| 24 Hour           |         | Chlorine mg/l |  |  |  | TCR mg/ Flow MGD |       | DO  | pH  | E. coli | Alkalinity | TSS  | NH3-N | CBOD | Chloride | TDS |      |      |      |   |   |      |
|-------------------|---------|---------------|--|--|--|------------------|-------|-----|-----|---------|------------|------|-------|------|----------|-----|------|------|------|---|---|------|
| Average Lbs/ Day: |         |               |  |  |  |                  |       |     |     |         |            |      |       |      |          |     |      |      |      |   |   |      |
| AVG               | -24.192 |               |  |  |  |                  |       |     |     | 9       |            | 5.35 | 0.38  | 3.66 | 150      | 775 |      |      |      |   |   |      |
| MIN               | 0.000   | 0.00          |  |  |  |                  | 0.000 | 6.8 | 7.4 | 7       |            | 2.6  | 0.1   | 2.8  | 137      | 680 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0.00 |
| MAX               | 0.000   | 0.00          |  |  |  | 0.00             | 0.000 |     | 7.9 | 14      |            | 13.0 | 1.8   | 4.1  | 160      | 900 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0.00 |

|                                  |         |       |       |       |       |       |       |       |       |                      |  |  |  |  |  |  |       |      |  |
|----------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|--|--|--|--|--|--|-------|------|--|
| 2-Hour Peak Flow,<br><5,000 GPM: |         |       |       |       |       |       |       |       |       |                      |  |  |  |  |  |  | Total | 0.00 |  |
|                                  |         |       |       |       |       |       |       |       |       |                      |  |  |  |  |  |  |       |      |  |
|                                  | Monthly | 01/24 | 1.011 | 04/24 | 0.910 | 07/24 | 1.124 | 10/24 | 0.930 |                      |  |  |  |  |  |  |       |      |  |
|                                  | Average | 02/24 | 0.897 | 05/24 | 1.116 | 08/24 | 1.178 | 11/24 | 0.997 |                      |  |  |  |  |  |  |       |      |  |
|                                  | Flows   | 03/24 | 0.885 | 06/24 | 1.046 | 09/24 | 0.956 | 12/24 | 0.986 |                      |  |  |  |  |  |  |       |      |  |
|                                  |         |       |       |       |       |       |       |       |       | Annual Average Flow: |  |  |  |  |  |  | 1.003 |      |  |

Reading 4/1/2025 725768

Reading 5/1/2025

# of days 30

Daily Average Flow=-24.1923

Reading 5/1/2024 394280

Reading 5/1/2025 0

Annual Average Flow: -1.080 MGD

Capacity: -1344%

## Candice Calhoun

---

**From:** Alex Murillo (IDS) <AMurillo@idseg.com>  
**Sent:** Tuesday, June 24, 2025 2:17 PM  
**To:** Candice Calhoun  
**Cc:** Kameron Pugh (IDS); Crystal Swink (IDS)  
**Subject:** Application to Amend Permit No. WQ0014347001 (Harris County MUD 387) - Notice of Deficiency  
**Attachments:** TCEQ NOD Response Letter - 6-24-2025.pdf; Municipal Discharge Amendment Spanish NORI.docx; affected landowners addresses.docx

Good Afternoon Candice,

See attached NOD response letter for the subject permit amendment application. Please confirm if you also need a hard copy of this response letter. Let me know if you have any questions or need anything else. Thanks.



**Alex Murillo, P.E.**  
Project Manager

13430 Northwest Freeway, Suite 700, Houston, Texas 77040  
Main: 713.462.3178 | Direct: 832.590.7198 | Cell: 832.272.9719

[AMurillo@idseg.com](mailto:AMurillo@idseg.com)

[Website](#) | [Facebook](#) | [LinkedIn](#)

TxEg Firm 2726 | TxSurv Firm 10110700

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## Candice Calhoun

---

**From:** Erin Banks - WWD <erin.banks@wwdengineering.net>  
**Sent:** Tuesday, June 24, 2025 2:33 PM  
**To:** Candice Calhoun  
**Subject:** RE: Application for Proposed Permit No. WQ0016820001 - Notice of Deficiency  
**Attachments:** Payment Submittal Form.pdf

Thank you Candice.  
Here is the payment form and copy of check for fees.

Thank you,  
Erin Banks, P.E.



---

**From:** Candice Calhoun <Candice.Calhoun@tceq.texas.gov>  
**Sent:** Tuesday, June 24, 2025 8:53 AM  
**To:** Erin Banks - WWD <erin.banks@wwdengineering.net>  
**Subject:** RE: Application for Proposed Permit No. WQ0016820001 - Notice of Deficiency

Good morning, Erin,

Yes ma'am, what we can do is once the response deadline has passed, I can send this over to my supervisor to issue a 30-day notice, which essentially provides an additional 30 days to provide a complete response. So, on Thursday, June 26, I can get that sent over for that notice to be issued.

Please let me know if you have any additional questions.

Regards,

## Candice Calhoun

---

**From:** Alex Murillo (IDS) <AMurillo@idseg.com>  
**Sent:** Wednesday, June 25, 2025 8:54 AM  
**To:** Candice Calhoun  
**Cc:** Kameron Pugh (IDS); Crystal Swink (IDS)  
**Subject:** RE: Application to Amend Permit No. WQ0014347001 (Harris County MUD 387) - Notice of Deficiency  
**Attachments:** affected landowners addresses.docx

Good Morning Candice,

Thanks for confirming. See attached revised mailing list file. Let me know if you need anything else.



**Alex Murillo, P.E.**  
Project Manager

13430 Northwest Freeway, Suite 700, Houston, Texas 77040  
Main: 713.462.3178 | Direct: 832.590.7198 | Cell: 832.272.9719  
[AMurillo@idseg.com](mailto:AMurillo@idseg.com)  
[Website](#) | [Facebook](#) | [Linkedin](#)

TxEg Firm 2726 | TxSurv Firm 10110700

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---

**From:** Candice Calhoun <Candice.Calhoun@tceq.texas.gov>  
**Sent:** Wednesday, June 25, 2025 7:35 AM  
**To:** Alex Murillo (IDS) <AMurillo@idseg.com>  
**Cc:** Kameron Pugh (IDS) <KPugh@idseg.com>; Crystal Swink (IDS) <CSwink@idseg.com>  
**Subject:** RE: Application to Amend Permit No. WQ0014347001 (Harris County MUD 387) - Notice of Deficiency

[EXTERNAL EMAIL]

Alex,

My apologies, I forgot to mention in my previous email, no hard copy response will be needed. An email response is sufficient.

Regards,



June 24, 2025

Ms. Candice Calhoun  
Applications Review and Processing Team (MC148)  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg. F  
Austin, TX 78753

Reference: Application to Amend Permit No. WQ0014347001 (EPA I.D. No. TX0124907)  
Harris County Municipal Utility District No. 387 (CN600738421)  
Regulated Entity Number: RN103907028  
IDS Project No. 1414-001-00

Dear Ms. Calhoun:

We received your Notice of Deficiency letter dated June 20, 2025, regarding the referenced permit application. Please find our detailed responses to your comments below.

Comment No. 1 – Our records indicate that an original paper copy of the application was not received. The original paper copy and electronic copy of the application are both required. Please submit the original paper copy of the application to: Texas Commission on Environmental Quality, Water Quality Division, Application Review and Processing Team (MC 148), P.O. Box 13087, Austin, Texas 78711-3087

*Response: The original paper application along with two (2) additional copies were delivered via FedEx on June 18, 2025. See attached proof of delivery.*

Comment No. 2 - Core Data Form, Section V: the signature date was not provided. Please provide an updated CDF to include the signature date.

*Response: The core data form was dated. See attached revised form.*

Comment No. 3 - Section 8, item D of the administrative report: a public viewing location for Harris County was not provided. Please provide an updated section of the application to include a public viewing location in Harris County.

*Response: Lone Star College – Creekside Center Library was added as the public viewing location for Harris County. See attached revised page.*

Comment No. 4 - Landowner List: affected landowner listed as number 4 on the landowner list shows that the name and address could not be obtained. Please confirm that you could not obtain any information for this landowner. If you can provide some information, please provide that information.

*Response: No information was found about this property. See attached from Montgomery County Appraisal District.*



Comment No. 5 - Landowner Mailing Labels: please provide the landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word document.

*Response: Affected landowners mailing addresses labels are attached. A separate Microsoft Word file is also being sent via email.*

Comment No. 6 - 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. Harris County Municipal Utility District No. 387, 1300 Post Oak Boulevard, Suite 1400, Houston, Texas 77056, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0014347001 (EPA I.D. No. TX0124907) to authorize the removal of the Total Dissolved Solids limits. The domestic wastewater treatment facility is located at 25810 1/2 Gosling Road, near the city of Spring, in Harris County, Texas 77389. The discharge route is from the plant site directly to Spring Creek. TCEQ received this application on June 16, 2025. The permit application will be available for viewing and copying at (pending applicant response), (pending address), (pending city), in Harris County, Texas, and at Montgomery County South Regional Library, front desk, 2101 Lake Robbins Drive, The Woodlands, in Montgomery 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=-95.503866,30.137894&level=18> Further information may also be obtained from Harris County Municipal Utility District No. 387 at the address stated above or by calling Mr. Kameron Pugh, P.E., Senior Project Manager, IDS Engineering Group, at 713-462-3178.

*Response: No errors or omissions were found.*

Comment No. 7 - The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

*Response: See attached Spanish NORI. A separate Microsoft Word file is also being sent via email.*

Ms. Candice Calhoun  
Texas Commission on Environmental Quality  
June 24, 2025  
Page 3 of 3

If you have any further questions or need additional information, please do not hesitate to call me at (832) 590-7187 or via email at KPugh@idseg.com

Respectfully,



Kameron Pugh, P.E.  
Senior Project Manager  
Enclosure

\\IDSEG\FS\PROJECTS\1400\141401003 HCMUD 387 TPDES PERMIT AMENDMENT\PERMIT  
APPLICATION\CORRESPONDANCE\TCEQ\NOD\2023-01-23 TCEQ RESPONSE TRANSMITTAL LETTER.DOCX



June 23, 2025

Dear Customer,

The following is the proof-of-delivery for tracking number: 882070744165

Delivery Information:

|                   |              |                    |                            |
|-------------------|--------------|--------------------|----------------------------|
| Status:           | Delivered    | Delivered To:      |                            |
| Signed for by:    | TTYNY        | Delivery Location: | 12100 PARK THIRTY FIVE CIR |
| Service type:     | FedEx Ground |                    | MC - 148                   |
| Special Handling: |              |                    | AUSTIN, TX, 78753180800    |
|                   |              | Delivery date:     | Jun 18, 2025 15:52         |

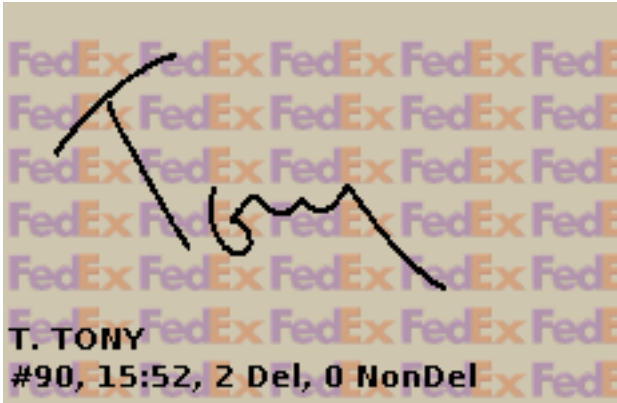
Shipping Information:

|                  |              |            |                |
|------------------|--------------|------------|----------------|
| Tracking number: | 882070744165 | Ship Date: | Jun 17, 2025   |
|                  |              | Weight:    | 3.0 LB/1.36 KG |

**Recipient:**  
App & Review Processing MC148, TCEQ  
12100 PARK THIRTY FIVE CIR  
MC - 148  
AUSTIN, TX, US, 78753180800

**Shipper:**  
Dezie Gillamac, IDS Engineering Group  
13430 Northwest Freeway  
Suite 700  
Houston, TX, US, 77040

Reference 1414-010-02



Thank you for choosing FedEx



**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.

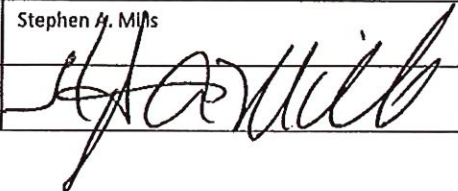
|                                                |                                                |                                                 |                                                  |                                                     |
|------------------------------------------------|------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| <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:                     |

#### **SECTION IV: Preparer Information**

|                             |                      |                       |                           |                        |
|-----------------------------|----------------------|-----------------------|---------------------------|------------------------|
| <b>40. Name:</b>            | Kameron Pugh         |                       | <b>41. Title:</b>         | Senior Project Manager |
| <b>42. Telephone Number</b> | <b>43. Ext./Code</b> | <b>44. Fax Number</b> | <b>45. E-Mail Address</b> |                        |
| ( 713 ) 623-4531            |                      | ( ) -                 | kpugh@ldseg.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.

|                         |                                                                                     |                   |                   |         |
|-------------------------|-------------------------------------------------------------------------------------|-------------------|-------------------|---------|
| <b>Company:</b>         | Harris County Municipal Utility District No. 387                                    | <b>Job Title:</b> | Board President   |         |
| <b>Name (In Print):</b> | Stephen A. Mills                                                                    | <b>Phone:</b>     | ( 713 ) 623- 4531 |         |
| <b>Signature:</b>       |  |                   | <b>Date:</b>      | 5/28/25 |

## 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: Mr.

Last Name, First Name: Kameron Pugh

Title: Senior Project Manager

Credential: Click to enter text.

Organization Name: IDS Engineering Group

Mailing Address: 13430 Northwest Freeway, Suite 700  
77040

City, State, Zip Code: Houston, TX

Phone No.: 713-462-3178

E-mail Address: KPugh@idseg.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: Lone Star College – Creekside Center Library / Montgomery County South Regional Library

Location within the building: Front Desk

Physical Address of Building: 8747 West New Harmony Trail / 2101 Lake Robbins Drive

City: Tomball / The Woodlands

County: Harris / Montgomery

Contact (Last Name, First Name): Silva, Bobbye / Sosa, Steve

Phone No.: 832-761-6622/936-522-2699 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

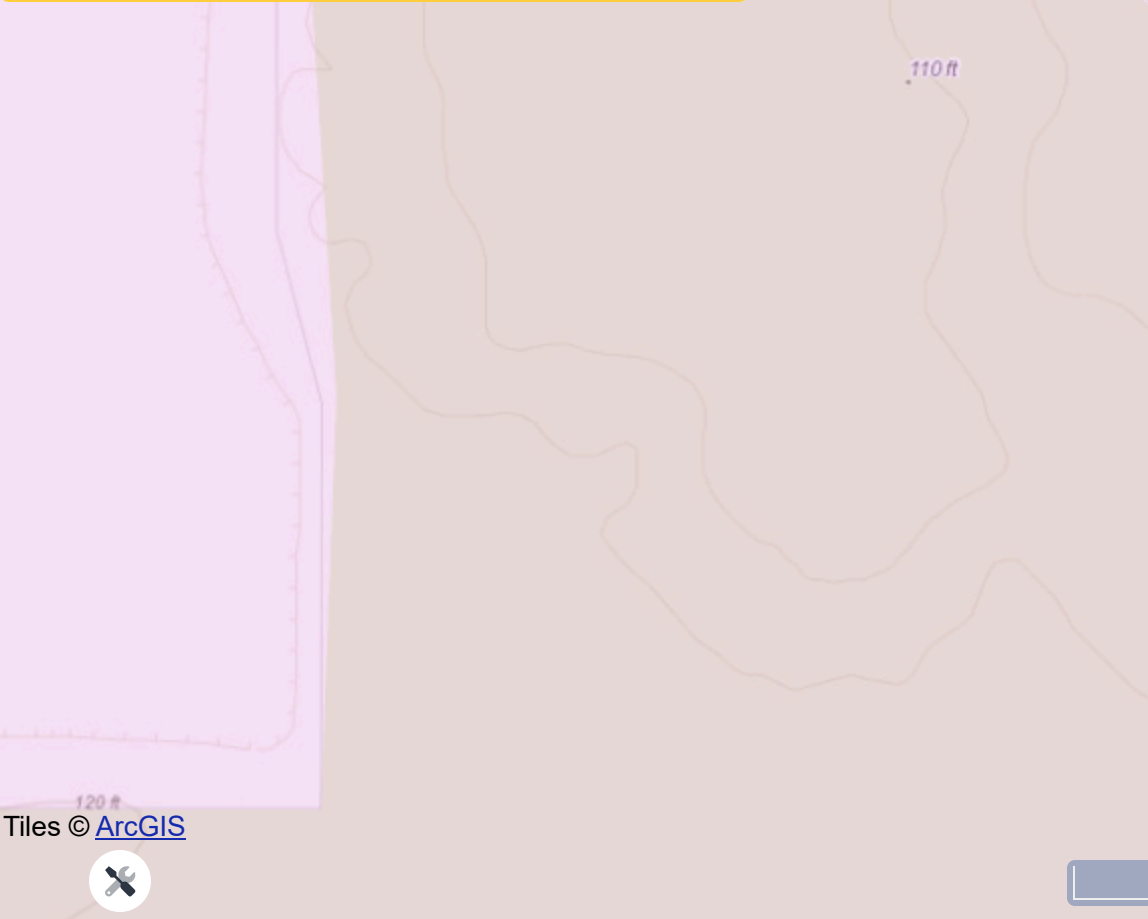
☐ No

Map Search

Address

▼

123 Generic Street



×

PROPERTY INFORMATION

Prop ID

167784

Geo ID

9240-00-35700

Situs Address

Legal Description

TIMBER LAKES 01, LOT 373

Taxing Units

CAD,F14,GMO,HM1,JNH,MWC,SCO

Market Area

13045.0

Legal Acreage

0.0000

Abstract/Subdv Code

S924000

Block

OWNER INFORMATION

Owner Name & Mailing Address

UNKNOWN OWNER (228309)

UNKNOWN UNKNOWN

UNKNOWN TX 77301

IMPROVEMENT AND LAND INFORMATION





# Comisión de Calidad Ambiental del Estado de Texas



## AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA MODIFICACION

### PERMISO NO. WQ00

**SOLICITUD.** *Harris County Municipal Utility District No. 387*, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0014347001 (EPA I.D. No. TX 0124907) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar *La eliminación de los límites de sólidos disueltos totales*. La planta está ubicada *25810 1/2 Gosling Road, near the city of Spring* en el Condado de *Harris*, Texas *77389*. La ruta de descarga es del sitio de la planta a *Spring Creek*. La TCEQ recibió esta solicitud el *16 de junio del 2025*. La solicitud para el permiso estará disponible para leerla y copiarla en *Lone Star College - Creekside Center Library, recepción, 8747 West New Harmony Trail, Tomball, in Harris County, Texas and at Montgomery County South Regional Library, recepción, 2101 Lake Robbins Drive, The Woodlands, in Montgomery County, Texas* antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.503866,30.137894&level=18>

*[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary and is an application for a major amendment which will increase the pollutant loads to coastal waters or would result in relocation of an outfall to a critical areas, or a renewal with such a major amendment. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange. If the application is for amendment that does not meet the above description, do not include the sentence: El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.*

**AVISO DE IDIOMA ALTERNATIVO.** El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

**AVISO ADICIONAL.** El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

**COMENTARIO PUBLICO / REUNION PUBLICA.** Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

**PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS:** su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director

Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.**

**LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

**CONTACTOS E INFORMACIÓN A LA AGENCIA.** Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del *Harris County Municipal Utility District No. 387* a la dirección indicada arriba o llamando a *Sr. Kameron Pugh, P.E., Senior Project Manager, IDS Engineering Group, al 713-462-3178.*

Fecha de emisión: *[Date notice issued]*



WOODLANDS TOWNSHIP  
WATERWAY PLAZA TWO  
SPRING TX 77389

HARRIS COUNTY FLOOD CONTROL DISTRICT  
9900 NORTHWEST FWY  
SPRING TX 77389-2823

MONTGOMERY COUNTY  
400 N SAN JACINTO ST  
CONROE TX 77301

TIMBER LAKES/RIDGE ASSOC  
25610 TIMBER LAKES DR  
SPRING TX 77380-1653

J-P REI SOLUTIONS LLC  
15201 MASON RD STE 1000-303  
CYPRESS TX 77433-5932

MOREHEAD ALBERT  
1511 AVENUE C  
DENTON TX 76205-694

BAILEY KEVIN DUANE  
25019 SPRING CREEK DR  
SPRING TX 77380-2441

FORREST GERMANY  
PO BOX 130759  
SPRING TX 77393-0759

MILLER CLINTON J  
25011 SPRING CREEK DR  
SPRING TX 77380-2441

NEAL ANGEL LEE  
25007 SPRING CREEK DR  
SPRING TX 77380-2441

WARGO-SUGLERIS MICHELE E  
5927 SANIT LAURENT DR  
AGOURA HILLS CA 91301-4634

SUTTER MICHAEL E & DIANNA  
24935 SPRING CREEK DR  
SPRING TX 77380-2439

UHLMANN CASEY  
24923 SPRING CREEK DR  
SPRING TX 77380-2439

MCKEAN LEE N JR & CAROLYN F  
PO BOX 130250  
THE WOODLANDS TX 77393-0250