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, el Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
   - Inglés
   - Idioma alternativo (español)
3. Solicitud original

PLAIN LANGUAGE SUMMARY FOR TPDES PERMIT NO. WQ0004330000 (EPA ID No. TX0102296) RENEWAL APPLICATION

AIR LIQUIDE LARGE INDUSTRIES U.S. LP
BAYPORT COMPLEX
11777 BAY AREA BLVD
PASADENA, HARRIS COUNTY, TX 77507

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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Air Liquide Large Industries U.S. LP (CN600300693) operates Bayport Complex, RN100233998, an air separation unit (ASU) and cogeneration facility. Bayport Complex separates the atmospheric air and produces Nitrogen, Oxygen and Argon (SIC Code 2813) and generates steam (SIC 4931). The facility is located at 11777 Bay Area Blvd in Pasadena, Harris County, Texas 77507.

The permit application is for renewal to discharge 72,000 gallons per day (permitted on average) of steam condensate, maintenance wash water, fire equipment test water and stormwater at Outfall 001, steam condensate and stormwater at Outfall 002, and steam condensate, fire equipment test water and stormwater at Outfalls 003 and 004.

The discharge at Outfall 001 from the facility is expected to contain Suspended Solids, Chemical Oxygen Demand, Oil and Grease, Temperature, pH and some metals (Hexavalent Chromium, Copper, and Zinc) that are included in the current permit and the discharges at Outfalls 002, 003 and 004 are expected to contain Chemical Oxygen Demand and Oil and Grease.

The facility uses the purchased river water for operations and discharges industrial wastewater streams including cooling tower blowdowns, boiler blowdowns, and wastewaters generated from the river water treatment system and from the demineralization process into the Gulf Coast Waste Disposal Authority (GCWDA) wastewater treatment plant (WWTP).

The types of industrial wastewater generated from the facility and discharged at Outfall 001 are steam condensate, maintenance wash water, fire equipment test water and stormwater. These industrial wastewater streams are collected in the onsite detention pond and the collected water is currently pumped and discharged to the GCWDA WWTP. The types of industrial wastewater generated from the facility and discharged at Outfall 002 are steam condensate and stormwater. The types of industrial wastewater generated from the facility and discharged at Outfalls 003 and 004 are steam condensate, fire equipment test water and stormwater.

Domestic wastewater is routed to a domestic wastewater treatment plant, the GCWDA WWTP.

RESUMEN EN LENGUAJE SENCILLO PARA EL PERMISO TPDES NO. WQ0004330000 (N.º de identificación de la EPA TX0102296) SOLICITUD DE RENOVACIÓN

AIR LIQUIDE LARGE INDUSTRIES U.S. LP BAYPORT COMPLEX 11777 BAY AREA BLVD PASADENA, CONDADO DE HARRIS, TX 77507

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 exige 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 federal. representaciones ejecutables de la solicitud de permiso.

Air Liquide Large Industries U.S. LP (CN600300693) opera Bayport Complex, RN100233998, una unidad de separación de aire (ASU) y una instalación de cogeneración. El Complejo Bayport separa el aire atmosférico y produce Nitrógeno, Oxígeno y Argón (Código SIC 2813) y genera vapor (SIC 4931). La instalación está ubicada en 11777 Bay Area Blvd en Pasadena, Condado de Harris, Texas 77507.

La solicitud de permiso es para renovación para descargar 72,000 galones por día (permitido en promedio) de condensado de vapor, agua de lavado de mantenimiento, agua de prueba de equipos contra incendios y aguas pluviales en el Emisario 001, condensado de vapor y aguas pluviales en el Emisario 002, y condensado de vapor, prueba de equipos contra incendios. agua y aguas pluviales en los Emisarios 003 y 004.

Se espera que la descarga en el Emisario 001 de la instalación contenga Sólidos Suspendidos, Demanda Química de Oxígeno, Aceites y Grasas, Temperatura, pH y algunos metales (Cromo Hexavalente, Cobre y Zinc) que están incluidos en el permiso actual y las descargas en los Emisarios. Se espera que 002, 003 y 004 contengan demanda química de oxígeno y aceite y grasa.

La instalación utiliza el agua del río comprada para operaciones y descarga corrientes de aguas residuales industriales, incluidas purgas de torres de enfriamiento, purgas de calderas y aguas residuales generadas por el sistema de tratamiento de agua del río y por el proceso de desmineralización en la planta de tratamiento de aguas residuales de la Autoridad de Eliminación de Residuos de la Costa del Golfo (GCWDA) (EDAR).

Los tipos de aguas residuales industriales generadas en la instalación y descargadas en el Emisario 001 son condensado de vapor, agua de lavado de mantenimiento, agua de prueba de equipos contra incendios y aguas pluviales. Estas corrientes de aguas residuales industriales se recolectan en el estanque de detención en el sitio y el agua recolectada actualmente se bombea y descarga a la PTAR de GCWDA. Los tipos de aguas residuales industriales generadas en la instalación y descargadas en el Emisario 002 son condensado de vapor y aguas pluviales. Los tipos de aguas residuales industriales generadas en la instalación y

descargadas en los Emisarios 003 y 004 son condensado de vapor, agua de prueba de equipos contra incendios y aguas pluviales.

Las aguas residuales domésticas se envían a una planta de tratamiento de aguas residuales domésticas, la EDAR de GCWDA.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT RENEWAL

PERMIT NO. WQ0004330000

APPLICATION. Air Liquide Large Industries U.S. LP, 9811 Katy Freeway, Suite 100, Houston, Texas 77024, which owns a Bayport Complex that produces cryogenic gases and generates steam and electricity facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004330000 (EPA I.D. No. TX0102296) to authorize the discharge of treated wastewater and stormwater at a volume not to exceed a daily average flow of 72,000 via Outfall 001 and at an intermittent and flow-variable rate via Outfalls 002, 003 and 004. The facility is located at 11777 Bay Area Boulevard, near the city of Pasadena, in Harris County, Texas 77507. The discharge route is from the plant site via Outfall 001 to Harris County Flood Control District ditch, thence to Taylor Bayou, thence to Taylor Lake, thence to Clear Lake; via Outfalls 002, 003 and 004 to an unnamed ditch, thence to Harris County Flood Control District ditch, thence to Taylor Bayou, thence to Taylor Lake, thence to Clear Lake. TCEQ received this application on June 4, 2024. The permit application will be available for viewing and copying at LaPorte Community Library, Front Foyer Bulletin Board, 600 South Broadway Street, LaPorte, 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=-95.045833,29.6225&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.**

TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

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. 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. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Air Liquide Large Industries U.S. LP at the address stated above or by calling Mr. Aswath Kalappa, Sr. Environmental Specialist, Air Liquide USA, LLC, at (832) 236-0523.

Issuance Date: July 18, 2024

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
RENOVACION

PERMISO NO. WQ000

SOLICITUD. Air Liquide Large Industries U.S. LP, 9811 Katy Freeway, Suite 100, Houston, Texas 77024, propietaria de un Complejo Bayport, produce gases criogénicos y genera vapor y electricidad, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) renovar el Permiso No. WQ0004330000 del Sistema de Eliminación de Descargas Contaminantes de Texas (TPDES) (EPAIDENTIFICACIÓN. No. TX0102296) para autorizar la descarga de aguas residuales tratadas y pluviales a un El volumen no debe exceder un flujo promedio diario de 72,000 a través del Emisario 001 y en forma intermitente y tasa de flujo variable a través de los emisarios 002, 003 y 004. La instalación está ubicada en 11777 Área de la Bahía Boulevard, Pasadena, en el condado de Harris, Texas 77507. La ruta de descarga es desde el sitio de la planta. a través del emisario 001 hasta la zanja del Distrito de Control de Inundaciones del Condado de Harris, de allí a Taylor Bayou, de allí a Taylor Lake, de allí a Clear Lake; a través de los emisarios 002, 003 y 004 hasta una zanja sin nombre, desde allí hasta Zanja del Distrito de Control de Inundaciones del Condado de Harris, de allí a Taylor Bayou, de allí a Taylor Lake, de allí hasta el lago Clear. TCEQ recibió esta solicitud el 4 de junio de 2024. La solicitud de permiso será disponible para ver y copiar en la biblioteca comunitaria de LaPorte, tablón de anuncios del vestíbulo frontal, 600 South Broadway Street, LaPorte, Texas antes de la fecha de publicación de este aviso en el periódico. La aplicación, incluidas las actualizaciones y los avisos asociados, están disponibles. electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este El enlace a un mapa electrónico de la ubicación general del sitio o instalación se proporciona como cortesía pública. y no forma parte de la solicitud o aviso. Para conocer la ubicación exacta, consulte la aplicación. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.045833,29.6225&level=18

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. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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 Air Liquide Large Industries U.S. LP a la dirección indicada arriba o llamando a Sr. Aswath Kalappa, Sr. Environmental Especialista, al (832) 236-0523.

Fecha de emission 18 de julio de 2024

Abesha Michael

From: KALAPPA, Aswath <aswath.kalappa@airliquide.com>
Sent: Friday, July 12, 2024 9:25 AM
To: Abesha Michael
Cc: greg.johnson@airliquide.com
Subject: Re: Application to Renew Permit No. WQ0004330000 - Notice of Deficiency Letter
Attachments: Plain Language Summary_Spanish.docx; Revised page 7 of TCEQ 10411.pdf; Revised page 1 of TCEQ 10400 Core Data Form.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Ms. Michael,

Sorry about the delay in sending the response to your questions. Please see attached the revised pages of the application addressing the issues raised in the Notice of Deficiency.

Thanks
Ash

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I:General Information

1. Reason for Submission *(If other is checked please describe in space provided.)*

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.)*

☒ Renewal*(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN600300693		RN100233998

SECTION II:Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* *If new Customer, enter previous Customer below:*

Air Liquide Large Industries U.S. LP

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
800387095	32035542425	27-0096130	18-001-5062

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☒ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher

13. Independently Owned and Operated?
☒ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:

Air Liquide Large Industries U.S. LP
9811 Katy Freeway, Suite 100

City	Houston	State	TX	ZIP	77024	ZIP + 4	

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
N/A	

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(713)402-2396	0	(713) 803-7372

SECTION III:Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected,a newpermitapplication is also required.)*

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

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

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

Bayport Complex

If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)

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☐N/A

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. Plain Language Summary Template – Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: 2

g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: N/A

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

a. TCEQ issued Regulated Entity Number (RN), if available: RN100233998

Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

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

c. Is the location address of the facility in the existing permit the same?

   ☒Yes☐No☐N/A (new permit)

   Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

d. Owner of treatment facility:

   Prefix:Click to enter text. Full Name (Last/First Name):Click to enter text.

   or Organization Name: Air Liquide Large Indusrties, U.S. LP

   Mailing Address: 9811 Katy Freeway, Suite 100 City/State/Zip: Houston, TX, 77024

   Phone No: (713) 624-8000 Email: christiaan.brand@airliquide.com

e. Ownership of facility: ☐Public ☒Private ☐Both ☐Federal

f. Owner of land where treatment facility is or will be:Click to enter text.

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
RENOVACION

PERMISO NO. WQ000

SOLICITUD. Air Liquide Large Industries U.S. LP, 9811 Katy Freeway, Suite 100, Houston, Texas 77024, propietaria de un Complejo Bayport, produce gases criogénicos y genera vapor y electricidad, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) renovar el Permiso No. WQ0004330000 del Sistema de Eliminación de Descargas Contaminantes de Texas (TPDES) (EPAIDENTIFICACIÓN. No. TX0102296) para autorizar la descarga de aguas residuales tratadas y pluviales a un El volumen no debe exceder un flujo promedio diario de 72,000 a través del Emisario 001 y en forma intermitente y tasa de flujo variable a través de los emisarios 002, 003 y 004. La instalación está ubicada en 11777 Área de la Bahía Boulevard, Pasadena, en el condado de Harris, Texas 77507. La ruta de descarga es desde el sitio de la planta. a través del emisario 001 hasta la zanja del Distrito de Control de Inundaciones del Condado de Harris, de allí a Taylor Bayou, de allí a Taylor Lake, de allí a Clear Lake; a través de los emisarios 002, 003 y 004 hasta una zanja sin nombre, desde allí hasta Zanja del Distrito de Control de Inundaciones del Condado de Harris, de allí a Taylor Bayou, de allí a Taylor Lake, de allí hasta el lago Clear. TCEQ recibió esta solicitud el 4 de junio de 2024. La solicitud de permiso será disponible para ver y copiar en la biblioteca comunitaria de LaPorte, tablón de anuncios del vestíbulo frontal, 600 South Broadway Street, LaPorte, Texas antes de la fecha de publicación de este aviso en el periódico. La aplicación, incluidas las actualizaciones y los avisos asociados, están disponibles. electrónicamente en la siguiente página web:
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este
El enlace a un mapa electrónico de la ubicación general del sitio o instalación se proporciona como cortesía pública. y no forma parte de la solicitud o aviso. Para conocer la ubicación exacta, consulte la aplicación.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.045833,29.6225&level=18

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. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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 Air Liquide Large Industries U.S. LP a la dirección indicada arriba o llamando a Sr. Aswath Kalappa, Sr. Environmental Especialista, al (832) 236-0523.

Fecha de emission _____ *[Date notice issued]*

Air Liquide

June 3, 2024

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Process Team, MC-148
P.O. Box 13087
Austin, Texas 78711-3087

Express/Overnight Mailing Address:

Executive Director
Applications Review and Process Team, MC-148
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Subject: TPDES Permit No. WQ0004330000 (EPA ID No. TX0102296) Renewal Application
Air Liquide Large Industries U.S. LP – Bayport Complex
Bayport, Harris County, Texas

Dear Sir / Madam:

Air Liquide Large Industries U.S. LP (Air Liquide) wishes to renew the existing Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004330000 (EPA ID No. TX0102296) and submits one (1) original and two (2) copies of the required TPDES Permit Renewal Application to your office. The permit application package includes:

- Industrial Wastewater Permit Application Checklist;
- TCEQ-10053 (01/08/2024) Industrial Wastewater Permit Application Administrative Report 1.0
- TCEQ-10400 (11/22) Core Data Form;
- TCEQ-20971 (08/31/2023) Supplemental Permit Information Form (SPIF);
- TCEQ-10055 (01/08/2024) Industrial Wastewater Permit Application Technical Report 1.0 with Worksheets 1.0, 2.0, 4.0, and 7.0;
- USGS Maps (Freeport Quadrangle, 8.5" x 11" Reproduced Portions for the Renewal Application as per the TCEQ Instructions);
- General Location Map;
- Site Drawing;
- Water and Wastewater Flow Schematic Diagram and Water Balance;
- Safety Data Sheets for Cooling Towers Water Treatment Chemicals; and
- TCEQ ePay Voucher Receipt

Also, an electronic copy of the application is submitted via TCEQ's file transfer protocol server to WQDeCopy@tceq.texas.gov.

Please be advised that there have not been discharges at Outfalls 001 and 002 during the current TPDES Permit period. Air Liquide has been discharging industrial wastewater streams (from Outfall 001) into the Gulf Coast Waste Disposal Authority (GCWDA) wastewater treatment plant (WWTP) in lieu of discharging to the receiving water (the Harris County Flood Control District Ditch A104-13). Outfall 002 largely consists of stormwater from a relatively small area, the gate valve has remained closed at the outfall, and no discharge has occurred. Therefore, the analytical information is not available for Outfalls 001 and 002 to be reported in Worksheet 2.0.

Outfalls 003 and 004 consist of storm water dominant discharges and the sampling depends on qualified storm events. Air Liquide planned to collect four samples as required; however, we were only able to complete two sets of the sampling and analysis at Outfalls 003 and 004 before the TPDES Permit

Renewal Application submission and the analytical results are reported in Worksheet 2.0 of Technical Report 1.0.

The facility uses the purchased river water for operations and discharges industrial wastewater streams including cooling tower blowdowns, boiler blowdowns, and wastewaters generated from the river water treatment system and from the demineralization process into the GCWDA WWTP. This is not part of the TPDES Permit program for Bayport Complex.

The current TPDES Permit No. WQ0004330000 was issued on December 6, 2019 and expires on December 5, 2024. The Permit Renewal Application needs to be submitted 180 days prior to the permit expiration date. Thus, Air Liquide meets the deadline for submission of the Permit Renewal Application

If you have any questions about the enclosed TPDES Permit Renewal Application, please contact me at (832) 236-0523 or aswath.kalappa@airliquide.com at your convenience.

Sincerely,

Aswath Kalappa
Senior Environmental Specialist

cc: Greg Johnson – Bayport Complex HSE Specialist
Stephen Kim - GETI

Enclosures: As Noted

TPDES PERMIT NO. WQ0004330000 (EPA ID NO. TX0102296) RENEWAL APPLICATION

For submission to:

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Process Team,
MC-148
P.O. Box 13087
Austin, Texas 78711-3087

Submitted by:

Air Liquide Large Industries .U.S. LP
Bayport Complex
11777 Bay Area Boulevard
Pasadena, Texas 77507

Prepared by:

Genesis Environmental Technologies, Inc.
P.O. Box 497
Dresher, Pennsylvania 19025

Dated: May 2024

TPDES PERMIT NO. WQ0004330000 (EPA ID NO. TX0102296) RENEWAL APPLICATION

For submission to:

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Process Team
MC-148
P.O. Box 13087
Austin, Texas 78711-3087

Submitted by:

Air Liquide Large Industries .U.S. LP
Bayport Complex
11777 Bay Area Boulevard
Pasadena, Texas 77507

Prepared by:

Genesis Environmental Technologies, Inc.
P.O. Box 497
Dresher, Pennsylvania 19025

Dated: May 2024

TABLE OF CONTENTS

ATTACHMENTS

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHEKLIST

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the industrial wastewater permit application.

APPLICANT NAME: Air Liquide Large Industries U.S. LP

PERMIT NUMBER (If new, leave blank): WQ0004330000

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

	Y	N		Y	N
Administrative Report 1.0	X	☐	Worksheet 8.0	☐	X
Administrative Report 1.1	☐	X	Worksheet 9.0	☐	X
SPIF	X	☐	Worksheet 10.0	☐	X
Core Data Form	X	☐	Worksheet 11.0	☐	X
Public Involvement Plan Form	☐	X	Worksheet 11.1	☐	X
Plain Language Summary	X	☐	Worksheet 11.2	☐	X
Technical Report 1.0	X	☐	Worksheet 11.3	☐	X
Worksheet 1.0	X	☐	Original USGS Map	X	☐
Worksheet 2.0	X	☐	Affected Landowners Map	☐	X
Worksheet 3.0	☐	X	Landowner Disk or Labels	☐	X
Worksheet 3.1	☐	X	Flow Diagram	X	☐
Worksheet 3.2	☐	X	Site Drawing	X	☐
Worksheet 3.3	☐	X	Original Photographs	☐	X
Worksheet 4.0	X	☐	Design Calculations	☐	X
Worksheet 4.1	☐	X	Solids Management Plan	☐	X
Worksheet 5.0	☐	X	Water Balance	X	☐
Worksheet 6.0	☐	X			
Worksheet 7.0	X	☐			

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

TCEQ-10411 (01/08/2024) INDUSTRIAL WASTEWATER PERMIT APPLICATION - ADMINISTRATIVE REPORT 1.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs, except applications for oil and gas extraction operations subject to 40 CFR Part 435. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report.

Applications for oil and gas extraction operations subject to 40 CFR Part 435 must use the Oil and Gas Exploration and Production Administrative Report (TCEQ Form-20893 and 20893-inst[1]).

Item 1. Application Information and Fees (Instructions, Page 26)

a. Complete each field with the requested information, if applicable.

Applicant Name: Air Liquide Large Industries, U.S. LP

Permit No.: WQ0004330000

EPA ID No.:TX0102296

Expiration Date: December 5, 2024

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

☒Industrial Wastewater (wastewater and stormwater)

☐Industrial Stormwater (stormwater only)

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

☒Active ☐Inactive

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

☒TPDES Permit ☐TLAP ☐TPDES with TLAP component

e. Check the box next to the appropriate application type.

☐New

☐Renewal with changes ☒Renewal without changes

☐Major amendment with renewal ☐Major amendment without renewal

☐Minor amendment without renewal

☐Minor modification without renewal

f. If applying for an amendment or modification, describe the request: N/A

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

[1]https://www.tceq.texas.gov/publications/search_forms.html

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend./ Minor Mod.(without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐$350	☐$350	☐$315	☐$150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐$1,250	☐$1,250	x$1,215	☐$150
Major facility	N/A[2]	☐$2,050	☐$2,015	☐$450

h. Payment Information

Mailed

Check or money order No.:Click to enter text.

Check or money order amt.:Click to enter text.

Named printed on check or money order:Click to enter text.

Epay

Voucher number:706837 & 706838

Copy of voucher attachment: Attachment 10

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN600300693

Note: Locate the customer number using the TCEQ's Central Registry Customer Search[3].

b. Legal name of the entity (applicant) applying for this permit: Air Liquide Large Industries U.S. LP

Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (**Note:**The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Mr. Full Name (Last/First Name): Brand, Christiaan

Title: Vice President, of Operations Credential: N/A

d. Will the applicant have overall financial responsibility for the facility?

XYes ☐No

[2] All facilities are designated as minors until formally classified as a major by EPA.

[3]https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 3. Co-applicant Information (Instructions, Page 27)

XCheck this box if there is no co-applicant.; otherwise, complete the below questions.

a. Legal name of the entity (co-applicant) applying for this permit:Click to enter text.

Note: The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

b. Customer Number (if applicant is an existing customer): CNClick to enter text.

Note: Locate the customer number using the TCEQ's Central Registry Customer Search.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix:Click to enter text. Full Name (Last/First Name):Click to enter text.

Title:Click to enter text. Credential:Click to enter text.

d. Will the co-applicant have overall financial responsibility for the facility?

☐Yes ☐No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 4. Core Data Form (Instructions, Pages 27)

a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report.Attachment: 1

Item 5. Application Contact Information (Instructions, Page 27)

Provide names of two individuals who can be contact for additional information about this application. Indicate if the individual can be contact about administrative or technical information, or both.

a. XAdministrative Contact .XTechnical Contact

Prefix: Mr. Full Name (Last/First Name): Kalappa, Aswath

Title: Sr. Environmental Specialist Credential: N/A

Organization Name: Air Liquide USA, LLC

Mailing Address: 9811 Katy Freeway, Suite 100 City/State/Zip: Houston, TX 77024

Phone No: (832) 236-0523 Email: aswath.kalappa@airliquide.com

b. Administrative Contact XTechnical Contact

Prefix: Mr. Full Name (Last/First Name): Kim, Stephen

Title: Consultant Credential: N/A

Organization Name: Genesis Environmental Technologies, Inc.

Mailing Address: PO Box 497 City/State/Zip: Dresher, PA 19025

Phone No: (215) 941-2770 Email: genesisenvironmental@comcast.net

Attachment: N/A

Item 6. Permit Contact Information (Instructions, Page 28)

Provide two names of individuals that can be contacted throughout the permit term.

a. Prefix: Mr. Full Name (Last/First Name): Kalappa, Aswath

Title: Sr. Environmental Specialist Credential: N/A

Organization Name: Air Liquide USA, LLC

Mailing Address: 9811 Katy Freeway, Suite 100 City/State/Zip: Houston, TX 77024

Phone No: (832) 236-0523 Email: aswath.kalappa@airliquide.com

b. Prefix: Mr. Full Name (Last/First Name): Johnson. Greg

Title: HSE Specialist Credential: N/A

Organization Name: Air Liquide Large Industries U.S. LP

Mailing Address: 11777 Bay Area Blvd City/State/Zip: Pasadena, TX 77507

Phone No: (281) 474-8337 Email: greg.johnson@airliquide.com

Attachment: N/A

Item 7. Billing Contact Information (Instructions, Page 28)

The permittee is responsible for paying the annual fee. The annual fee will be assessed for 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 (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

Prefix: Mr. Full Name (Last/First Name): Johnson, Greg

Title: HSE Specialist Credential: N/A

Organization Name: Air Liquide Large Industries U.S. LP

Mailing Address: 11777 Bay Area Blvd City/State/Zip: Pasadena, TX 77507

Phone No: (281) 474-8337 Email: greg.johnson@airliquide.com

Item 8. DMR/MER Contact Information (Instructions, Page 28)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs.**Note:** DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

Prefix: Mr. Full Name (Last/First Name): Johnson, Greg

Title: HSE Specialist Credential: N/A

Organization Name: Air Liquide Large Industries U.S. LP

Mailing Address: 11777 Bay Area Blvd City/State/Zip: Pasadena, TX 77507

Phone No: (281) 474-8337 Email: greg.johnson@airliquide.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Kalappa, Aswath

Title: Sr. Environmental Specialist Credential: N/A

Organization Name: Air Liquide USA, LLC

Mailing Address: 9811 Katy Freeway, Suite 100 City/State/Zip: Houston, TX 77024

Phone No: (832) 236-0523 Email: aswath.kalappa@airliquide.com

b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)

xE-mail: aswath.kalappa@airliquide.com

☐Fax: Click to enter text.

xRegular Mail (USPS)

Mailing Address: 9811 Katy Freeway, Suite 100

City/State/Zip Code: Houston, TX 77024

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Kalappa, Aswath

Title: Sr. Environmental Specialist Credential: N/A

Organization Name: Air Liquide USA, LLC

Phone No: (832) 236-0523 Email: aswath.kalappa@airliquide.com

d. Public Viewing Location Information

Note: If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: LaPorte Community Library Location within the building: Front Foyer Bulletin Board

Physical Address of Building: 600 S. Broadway Street

City: LaPorte County: Harris

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.

Call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine if an alternative language notice(s)is 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?

   XYes☐No

If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)

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

   XYes☐No

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

   ☐Yes XNo

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)?

   ☐YesXNo☐N/A

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. Plain Language Summary Template – Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: 2

g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: N/A

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

a. TCEQ issued Regulated Entity Number (RN), if available: RN100233998

   Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

b. Name of project or site (the name known by the community where located): Air Liquide – Bayport Complex

c. Is the location address of the facility in the existing permit the same?

   XYes☐No☐N/A (new permit)

   Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

d. Owner of treatment facility:

   Prefix:Click to enter text. Full Name (Last/First Name):Click to enter text.

   or Organization Name: Air Liquide Large Indusrties, U.S. LP

   Mailing Address: 9811 Katy Freeway, Suite 100 City/State/Zip: Houston, TX, 77024

   Phone No: (713) 624-8000 Email: christiaan.brand@airliquide.com

e. Ownership of facility: ☐Public XPrivate ☐Both ☐Federal

f. Owner of land where treatment facility is or will be:Click to enter text.

Prefix:Click to enter text. Full Name (Last/First Name):Click to enter text.

or Organization Name: Air Liquide Large Industries U.S. LP

Mailing Address: 11777 Bay Area Blvd City/State/Zip: Pasadena, TX 77507

Phone No: (281) 474-8337 Email: greg.johnson@airliquide.com

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: N/A

g. Owner of effluent TLAP disposal site (if applicable): N/A

Prefix:Click to enter text. Full Name (Last/First Name):Click to enter text.

or Organization Name:Click to enter text.

Mailing Address:Click to enter text. City/State/Zip:Click to enter text.

Phone No:Click to enter text. Email:Click to enter text.

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

h. Owner of sewage sludge disposal site (if applicable):

Prefix:Click to enter text. Full Name (Last/First Name): N/A

or Organization Name:Click to enter text.

Mailing Address:Click to enter text. City/State/Zip:Click to enter text.

Phone No:Click to enter text. Email:Click to enter text.

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

Item 11. TDPES Discharge/TLAP Disposal Information (Instructions, Page 31)

a. Is the facility located on or does the treated effluent cross Native American Land?

☐Yes X No

b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.

XOne-mile radius	XThree-miles downstream information
XApplicant's property boundaries	☐Treatment facility boundaries
XLabeled point(s) of discharge	XHighlighted discharge route(s)
☐Effluent disposal site boundaries	☐All wastewater ponds
☐Sewage sludge disposal site	☐New and future construction

Attachment: 3

c. Is the location of the sewage sludge disposal site in the existing permit accurate?

XYes☐No or New Permit

If no, or a new application, provide an accurate location description:Click to enter text.

d. Are the point(s) of discharge in the existing permit correct?

☒Yes☐No or New Permit

If no, or a new application, provide an accurate location description:Click to enter text.

e. Are the discharge route(s) in the existing permit correct?

☒Yes☐No or New Permit

If no, or a new permit, provide an accurate description of the discharge route:Click to enter text.

f. City nearest the outfall(s): Pasadena

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

h. 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, attach copies of letters that show proof of contact and provide the approval letter upon receipt. Attachment:Click to enter text.

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.

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

☐YesNo or New Permit☐ N/A

If no, or a new application, provide an accurate location description:Click to enter text.

j. City nearest the disposal site: N/A

k. County in which the disposal site is located: N/A

l. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site:N/A

m. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: N/A

Item 12. Miscellaneous Information (Instructions, Page 33)

a. 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:Click to enter text.

b. Do you owe any fees to the TCEQ?

☐Yes ☒No

If yes, provide the following information:

Accountno.:Click to enter text.

Total amount due:Click to enter text.

c. Do you owe any penalties to the TCEQ?

☐Yes ☒No

If yes, provide thefollowing information:

Enforcement order no.:Click to enter text.

Amount due:Click to enter text.

Item 13. Signature Page (Instructions, Page33)

Permit No: WQ0004330000

Applicant Name: Air Liquide Large Industries U.S. LP

Certification: I, Christiaan Brand, 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): Christiaan Brand

Signatory title: Vice President, of Operations

Signature: _____ (Use blue ink) Date: 06/03/2024

Subscribed and Sworn to before me by the said _____

on this June 3rd day of June, 20 24.

My commission expires on the 23rd day of May, 20 27.

_____
Notary Public

[SEAL]

MARILYN LAZABAL
Notary Public, State of Texas
Comm. Expires 05-23-2027
Notary ID 13437534-4

Hudson
County, Texas

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: 4

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

☒Core Data Form (TCEQ Form No. 10400)
(Required for all applications 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
(TCEQ Form Nos. 10055 and 10411.Version dated 5/10/2019 or later.)

☒Water Quality Permit Payment Submittal Form (Page 14)
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

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

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

☒N/A ☐Landowners Map
(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.

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

☒N/A ☐Landowners Labels or CD-RW attached
(See instructions for landowner requirements.)

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

☒Plain Language Summary

TCEQ-10055 (01/08/2024) INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

The following information **is required** for all applications for a TLAP or an individual TPDES discharge permit.

For **additional information** or clarification on the requested information, please refer to the Instructions for Completing the Industrial Wastewater Permit Application[1] available on the TCEQ website. Please contact the Industrial Permits Team at 512-239-4671 with any questions about this form.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

Item 1. Facility/Site Information (Instructions, Page 39)

a. Describe the general nature of thebusiness and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

Air Liquide Large Industries U.S. LP – Bayport Complex consists of an air separation unit plant (SIC 2813) and a cogeneration plant (SIC 4931).

b. Describeall wastewater-generating processes at the facility.

Industrial wastewater streams include: steam condensate, maintenance wash water, fire equipment test water and storm water.

[1] https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
Atmospheric Air	None	Oxygen, Nitrogen and Argon
Water	None	Steam
Lubricating oil, Natural gas (64-02-8)		
Sulfuric acid (7664-93-9), NaOH (1310-73-2)		
Lime (1305-62-0), Ferric Sulfate (10028-22-5)		
Sodium chlorite (7758-19-2)		
Sodium bisulfite (7631-90-5)		

Attachment: N/A

d. Attach a facility map (drawn to scale) with the following information:

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls,and sampling points, if significantly different from outfall locations.

Attachment: 6

e. Is this a new permit application for an existing facility?

☐ Yes X No

If **yes**, provide background discussion:Click to enter text.

f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

X Yes ☐ No

List source(s) used to determine 100-year frequency flood plain: USGS Map and FEMA MAP

If **no**, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposedto prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area:Click to enter text.

Attachment: N/A

g. For **new** or **majoramendment** permit applications, will any construction operations result in a discharge of fill material into a water in the state?

☐ Yes ☐ No X N/A (renewal only)

h. If **yes** to Item 1.g, has the applicant applied for a USACECWA Chapter 404 Dredge and Fill permit?

☐ Yes ☐ No

If **yes**, provide the permit number:Click to enter text.

If **no**, provide an approximate date of application submittal to the USACE:Click to enter text.

Item 2. Treatment System (Instructions, Page 40)

a. List any physical, chemical, or biological treatment process(es) used/proposedto treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

The facility has a retention pond for Outfall 001. It also has an oil/water separator located at the truck parking area for Outfall 001

b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: 7

Item 3. Impoundments (Instructions, Page 40)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds?)

X Yes ☐ No

If **no**, proceed to Item 4.If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a-3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a – 3.e.

a. Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.

Use Designation: Indicate the use designation for each impoundment as Treatment (**T**), Disposal (**D**), Containment (**C**), or Evaporation (**E**).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (**C**), In-situ clay liner (**I**), Synthetic/plastic/rubber liner (**S**), or Alternate liner (**A**). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (A) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter **Y** for yes. Otherwise, enter **N** for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	**Pond #**	**Pond #**	**Pond #**	**Pond #**
Use Designation: (T) (D) (C) or (E)	Pond #1: C			
Associated Outfall Number	001			
Liner Type (C) (I) (S) or (A)	Concrete			
Alt. Liner Attachment Reference	N/A			
Leak Detection System, Y/N	N			
Groundwater Monitoring Wells, Y/N	N			
Groundwater Monitoring Data Attachment	N/A			
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	Likely but unknown			
Length (ft)	75			
Width (ft)	75			
Max Depth From Water Surface (ft), Not Including Freeboard	12			
Freeboard (ft)	3			
Surface Area (acres)	0.13			
Storage Capacity (gallons)	App. 504,934			

Parameter	Pond #	Pond #	Pond #	Pond #
40 CFR Part 257, Subpart D, Y/N	N			
Date of Construction	Approximately late 2003			

Attachment: N/A

The following information (**Items 3.b – 3.e**) is required only for **new or proposed** impoundments.

b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes**in the appropriate box. Otherwise, check **no**or **not yet designed**.

1. Liner data

☐ Yes ☐ No☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No☐ Not yet designed

NOTE: Item b.3 is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

Attachment: Click to enter text.

For TLAP applications:Items 3.c – 3.e are **not required**, continue to Item 4.

c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within ½-mile of the impoundments.

Attachment: Click to enter text.

d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

Attachment: Click to enter text.

e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

Attachment: Click to enter text.

Item 4. Outfall/Disposal Method Information (Instructions, Page 42)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/0r numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall**number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
001	29° 37' 10"	95° 03' 09"
002	29° 37' 32"	95° 02' 45"
003	29° 37' 28"	95° 02' 42"
004	29° 37' 17"	95° 02' 39"

Outfall Location Description

Outfall No.	Location Description
001	Discharge from the pond to the flood control ditch via pumps at the southwest side of the property
002	Discharge via gate valve at the northeast side of the property
003	Discharge via gate valve at the east side of the property
004	Discharge via gate valve at the southeast side of the property

Description of Sampling Point(s) (if different from Outfall location)

Outfall No.	Description of sampling point
001	Same as above
002	Same as above
003	Same as above
004	Same as above

Outfall Flow Information – Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	0.072	Report	N/A	N/A	N/A
002	Report	Report	N/A	N/A	N/A
003	Report	Report	N/A	N/A	N/A
004	Report	Report	N/A	N/A	N/A

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	Y	N	Flow Meter
002	N	Y	Estimate
003	N	Y	Estimate
004	N	Y	Estimate

Outfall Discharge – Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	N	Y	N	Varies	Varies	12
002	Y	N	N	Varies	Varies	12
003	Y	N	N	Varies	Varies	12
004	Y	N	N	Varies	Varies	12

Outfall Wastestream Contributions

Outfall No. 001

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Industrial wastewater (steam condensate, maintenance wash water, fire equipment test water)	Varies	Approximate 10
Storm water	Varies	Approximate 90
	[Note: There has not been discharge through Outfall 001 during the current permit period. These wastewater streams are discharged to the Gulf Coast Waste Disposal Authority system.]	

Outfall No. 002

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Steam condensate	Miscellaneous	0
Storm water	Varies	100
	[Note: The gate valve at Outfall 002 remains closed and there is typically no discharge at Outfall 002.]	

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Outfall No. 003

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Condensate, fire equipment test water	Miscellaneous	Approximately 10
Storm water	Varies	Approximately 90

Attachment: 8 for Outfall 004 Wastestream Contributions

Item 5. Blowdown and Once-Through Cooling Water Discharges (Instructions, Page 43)

a. Indicate if the facility currently or proposesto:

☐ Yes ☒ No Use cooling towers that discharge blowdown or other wastestreams

☐ Yes ☒ No Use boilers that discharge blowdown or other wastestreams

☐ Yes ☒ No Discharge once-through cooling water

NOTE: If the facility uses or plans to use cooling towers or once-through cooling water, Item 12 **isrequired.**

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

In addition to each SDS, attach a summary of the above information for each specific wastestream and the associated chemical additives. Specify which outfalls are affected.

Attachment: N/A

c. Cooling Towers and Boilers

If the facility currently or proposes to use cooling towers or boilers that discharge blowdown or other wastestreams to the outfall(s),complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers	N/A	N/A	N/A
Boilers	N/A	N/A	N/A

Item 6. Stormwater Management (Instructions, Page 44)

Will any existing/proposed outfalls discharge stormwater associated with industrial activities, as defined at *40 CFR § 122.26(b)(14)*, commingled with any other wastestream?

X Yes No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: See Outfall Wastestream Contributions for Outfalls 001, 002, 003 and 004 under Item 7.

Item 7. Domestic Sewage, Sewage Sludge, and Septage Management and Disposal (Instructions, Page 44)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.

X Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.

☐ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.

☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.

☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.

☐ Facility is a POTW. Complete Worksheet 5.0.

☐ Domestic sewage is not generated on-site.

☐ Other (e.g., portable toilets), specify and Complete Item 7.b:Click to enter text.

b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
Gulf Coast Waste Disposal Authority	NPDES No. TX0005380
	TCEQ Permit No. 01054

Item 8. Improvements or Compliance/Enforcement Requirements (Instructions, Page 45)

a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?

☐ Yes ☒ No

b. Has the permittee completed or planned for any improvements or construction projects?

☐ Yes ☒ No

c. If **yes**to either 8.a **or** 8.b, provide a brief summary of the requirements and a status update: N/A

Item 9. Toxicity Testing (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes:Click to enter text.

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA.**Attachment:** N/A

Item 10. Off-Site/Third Party Wastes (Instructions, Page 45)

a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

☐ Yes ☒ No

If **yes**, provide responses to Items 10.b through10.dbelow.

If **no**, proceed to Item 11.

b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

Attachment: Click to enter text.

c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

☐ Yes ☐ No

If **yes**, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: Click to enter text.

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

☐ Yes ☐ No

If **yes**, **Worksheet 6.0** of this application **is required**.

Item 11. Radioactive Materials (Instructions, Page 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)

b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)

Item 12. Cooling Water (Instructions, Page 46)

a. Does the facility use or propose to use water for cooling purposes?

Yes X No

If **no**, stop here. If **yes**, complete Items 12.b thru 12.f.

b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

☐ Yes ☐ No

If **yes**, stop here. If **no**, continue.

c. Cooling Water Supplier

1. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID				
Owner				
Operator				

2. Cooling water is/will be obtained from a Public Water Supplier (PWS)

☐ Yes ☐ No

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here:PWS No.Click to enter text.

3. Cooling water is/will be obtained from a reclaimed water source?

☐ Yes ☐ No

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here:Click to enter text.

4. Cooling water is/will be obtained from an Independent Supplier

☐ Yes ☐ No

If **no**, proceed to Item 12.d.If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed:Click to enter text.

d. 316(b) General Criteria

1. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

☐ Yes ☐ No

2. At least 25% of the total water withdrawn by the CWIS is/will be used at the facility exclusively for cooling purposes on an annual average basis.

☐ Yes ☐ No

3. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in *40 CFR § 122.2*.

☐ Yes ☐ No

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in *40 CFR § 122.2*:Click to enter text.

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f**.

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) **anduses**/proposes **to use cooling towers**.

☐ Yes ☐ No

If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ.

f. Oil and Gas Exploration and Production

1. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

☐ Yes ☐ No

If **yes**, continue. If **no**, skip to Item 12.g.

2. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

☐ Yes ☐ No

If **yes**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.3.

g. Compliance Phase and Track Selection

1. Phase I – New facility subject to 40 CFR Part 125, Subpart I

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – AIF greater than 2 MGD, but less than 10 MGD

- Attachinformationrequiredby *40 CFR §§ 125.86(b)(2)-(4)*.

☐ Track I – AIF greater than 10 MGD

- Attach information required by*40 CFR § 125.86(b)*.

☐ Track II

- Attach information required by*40 CFR § 125.86(c)*.

Attachment: Click to enter text.

2. Phase II – Existing facilitysubject to 40 CFR Part 125, Subpart J

☐ Yes ☐ No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

3. Phase III – New facility subject to 40 CFR Part 125, Subpart N

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection and provide the requested information.

☐ Track I – Fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – Not a fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).

☐ Track II – Fixed facility

- Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: Click to enter text.

Item 13. Permit Change Requests (Instructions, Page 48)

This item is only applicable to existing permitted facilities.

a. Is the facility requesting a **major amendment** of an existing permit?

☐ Yes X No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request.Attach any supplemental information or additional data to support each request.

Click to enter text.

b. Is the facility requesting any **minor amendments** to the permit?

☐ Yes X No

If **yes**, list and describe each change individually.

Click to enter text.

c. Is the facility requesting any **minor modifications** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

Click to enter text.

Item 14. Laboratory Accreditation (Instructions, Page 49)

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

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

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

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

CERTIFICATION:

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

Printed Name: Christiaan Brand

Title: Vice President, of Operations

Signature: _____

Date: 06/03/2024

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 1.0: EPA CATEGORICAL EFFLUENT GUIDELINES

This worksheet **is required** for all applications for TPDES permits for discharges of wastewaters subject to EPA categorical effluent limitation guidelines (ELGs).

Item 1. Categorical Industries (Instructions, Page 53)

Is this facility subject to any 40 CFR categorical ELGs outlined on page 53 of the instructions?

X Yes ☐ No

If **no**, this worksheet is not required. If **yes**, provide the appropriate information below.

40 CFR Effluent Guideline

Industry	40 CFR Part
Inorganic Chemicals	415
Steam Electric Power Generation	423

Item 2. Production/Process Data (Instructions, Page 54)

NOTE: For all TPDES permit applications requesting individual permit coverage for discharges of oil and gas exploration and production wastewater (discharges into or adjacent to water in the state, falling under the Oil and Gas Extraction Effluent Guidelines – 40 CFR Part 435), see Worksheet 12.0, Item 2 instead.

a. Production Data

Provide appropriate data for effluent guidelines with production-based effluent limitations.

Production Data

Subcategory	Actual Quantity/Day	Design Quantity/Day	Units
Oxygen	4,000*	4,500	tons/day
Nitrogen	8.9	9.8	MMSCFH

b. Organic Chemicals, Plastics, and Synthetic Fibers Manufacturing Data (40 CFR Part 414)

Provide each applicable subpart and the percent of total production. Provide data for metal-bearing and cyanide-bearing wastestreams, as required by *40 CFR Part 414, Appendices A and B*.

Percentage of Total Production

Subcategory	Percent of Total Production	Appendix A and B - Metals	Appendix A - Cyanide
N/A			

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

N/A

Item 3. Process/Non-Process Wastewater Flows (Instructions, Page 54)

Provide a breakdown of wastewater flow(s) generated by the facility, including both process and non-process wastewater flow(s). Specify which wastewater flows are to be authorized for discharge under this permit and the disposal practices for wastewater flows, excluding domestic, which are not to be authorized for discharge under this permit.

N/A

Item 4. New Source Determination (Instructions, Page 54)

Provide a list of all wastewater-generating processes subject to EPA categorical ELGs, identify the appropriate guideline Part and Subpart, and provide the date the process/construction commenced.

Wastewater Generating Processes Subject to Effluent Guidelines

Process	EPA Guideline Part	EPA Guideline Subpart	Date Process/ Construction Commenced
Cogeneration	40	423	1984
Oxygen and Nitrogen	40	415 AW	1967

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: POLLUTANT ANALYSIS

Worksheet 2.0 **is required** for all applications submitted for a TPDES permit.Worksheet 2.0 is not required for applications for a permit to dispose of all wastewater by land disposal or for discharges solely of stormwater associated with industrial activities.

Item 1. General Testing Requirements (Instructions, Page 55)

a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): 04/01/2024-4/30/2024

b. X Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.

c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm.**Attachment:** 9

Item 2. Specific Testing Requirements (Instructions, Page 56)

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable.**Attachment:** N/A

TABLE 1 and TABLE 2 (Instructions, Page 58)

Completion of Tables 1 and 2 is required for all external outfalls for all TPDES permit applications.

Table 1 for Outfall No.: 003 **Samples are (check one): X Composite X Grab**

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	<2.00	<2.00	Not Sampled	Not Sampled
CBOD (5-day)	<2.00	<2.00	Not Sampled	Not Sampled
Chemical oxygen demand	<15	<15	Not Sampled	Not Sampled
Total organic carbon	9.71	3.14	Not Sampled	Not Sampled
Dissolved oxygen	7.09	7.64	Not Sampled	Not Sampled
Ammonia nitrogen	0.12	2.6	Not Sampled	Not Sampled
Total suspended solids	3.40	8.80	Not Sampled	Not Sampled
Nitrate nitrogen	1.29	1.19	Not Sampled	Not Sampled
Total organic nitrogen	<0.50	<0.50	Not Sampled	Not Sampled
Total phosphorus	0.181	<0.0500	Not Sampled	Not Sampled
Oil and grease	2.33	<2.00	Not Sampled	Not Sampled
Total residual chlorine	<0.10	0.10	Not Sampled	Not Sampled

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total dissolved solids	124	150	Not Sampled	Not Sampled
Sulfate	48.7	38.3	Not Sampled	Not Sampled
Chloride	15.8	14.7	Not Sampled	Not Sampled
Fluoride	0.190	0.198	Not Sampled	Not Sampled
Total alkalinity (mg/L as CaCO3)	48.9	55.4	Not Sampled	Not Sampled
Temperature (˚F)	68.18	69.26	Not Sampled	Not Sampled
pH (standard units)	7.68	7.73	Not Sampled	Not Sampled

Table 2for Outfall No.: 003 **Samples are (check one): X Composite X Grab**

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	95.6	110	Not Sampled	Not Sampled	2.5
Antimony, total	<5.00	<5.00	Not Sampled	Not Sampled	5
Arsenic, total	2.97	2.31	Not Sampled	Not Sampled	0.5
Barium, total	35.9	36.2	Not Sampled	Not Sampled	3
Beryllium, total	<5.00	<0.0910	Not Sampled	Not Sampled	0.5
Cadmium, total	<2.00	0.0770 J	Not Sampled	Not Sampled	1
Chromium, total	<4.00	0.858 J	Not Sampled	Not Sampled	3
Chromium, hexavalent	0.867	0.769	Not Sampled	Not Sampled	3
Chromium, trivalent	<3.133	<0.251	Not Sampled	Not Sampled	N/A
Copper, total	5.06	5.28	Not Sampled	Not Sampled	2
Cyanide, available	3.22	<2.00	Not Sampled	Not Sampled	2/10
Lead, total	<2.00	0.699 J	Not Sampled	Not Sampled	0.5
Mercury, total	0.00436	0.00833	Not Sampled	Not Sampled	0.005/0.0005
Nickel, total	<2.00	<2.00	Not Sampled	Not Sampled	2
Selenium, total	<2.00	<2.00	Not Sampled	Not Sampled	5
Silver, total	<2.00	<0.0440	Not Sampled	Not Sampled	0.5
Thallium, total	<2.00	<0.250	Not Sampled	Not Sampled	0.5
Zinc, total	44.2	59.8	Not Sampled	Not Sampled	5.0

TABLE 3 (Instructions, Page 58)

Completion of Table 3 **is required** for all **external outfalls** which discharge process wastewater.

Partial completion of Table 3 **is required** for all **external outfalls**which discharge non-process wastewater and stormwater associated with industrial activities commingled with other wastestreams (see instructions for additional guidance).

Table 3for Outfall No.: N/A **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Acrylonitrile					50
Anthracene					10
Benzene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
Bis(2-chloroethyl)ether					10
Bis(2-ethylhexyl)phthalate					10
Bromodichloromethane [Dichlorobromomethane]					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane [Dibromochloromethane]					10
Chloroform					10
Chrysene					5
m-Cresol [3-Methylphenol]					10
o-Cresol [2-Methylphenol]					10
p-Cresol [4-Methylphenol]					10
1,2-Dibromoethane					10
m-Dichlorobenzene [1,3-Dichlorobenzene]					10
o-Dichlorobenzene [1,2-Dichlorobenzene]					10
p-Dichlorobenzene [1,4-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
1,2-Dichloroethane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
1,1-Dichloroethene [1,1-Dichloroethylene]					10
Dichloromethane [Methylene chloride]					20
1,2-Dichloropropane					10
1,3-Dichloropropene [1,3-Dichloropropylene]					10
2,4-Dimethylphenol					10
Di-n-Butyl phthalate					10
Ethylbenzene					10
Fluoride					500
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Methyl ethyl ketone					50
Nitrobenzene					10
N-Nitrosodiethylamine					20
N-Nitroso-di-n-butylamine					20
Nonylphenol					333
Pentachlorobenzene					20
Pentachlorophenol					5
Phenanthrene					10
Polychlorinated biphenyls (PCBs) (**)					0.2
Pyridine					20
1,2,4,5-Tetrachlorobenzene					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethene [Tetrachloroethylene]					10
Toluene					10
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethene [Trichloroethylene]					10
2,4,5-Trichlorophenol					50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
TTHM (Total trihalomethanes)					10
Vinyl chloride					10

(*) Indicate units if different from µg/L.

(**) Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, and PCB-1016. If all non-detects, enter the highest non-detect preceded by a "<".

TABLE 4 (Instructions, Pages 58-59)

Partial completion of Table 4 **is required** for each **external outfall** based on the conditions below.

a. **Tributyltin**

Is this facility an industrial/commercial facility which currently or proposes to directly dispose of wastewater from the types of operations listed below or a domestic facility which currently or proposes to receive wastewater from the types of industrial/commercial operations listed below?

☐ Yes ☒ No

If **yes**, check the box next to each of the following criteria which apply and provide the appropriate testing results in Table 4 below (check all that apply).

☐ Manufacturers and formulators of tributyltin or related compounds.

☐ Painting of ships, boats and marine structures.

☐ Ship and boat building and repairing.

☐ Ship and boat cleaning, salvage, wrecking and scaling.

☐ Operation and maintenance of marine cargo handling facilities and marinas.

☐ Facilities engaged in wood preserving.

☐ Any other industrial/commercial facility for which tributyltin is known to be present, or for which there is any reason to believe that tributyltin may be present in the effluent.

b. **Enterococci (discharge to saltwater)**

This facility discharges/proposes to discharge directly into saltwater receiving waters **and**Enterococci bacteria are expected to be present in the discharge based on facility processes.

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

c. E. coli (discharge to freshwater)

This facility discharges/proposes to discharge directly into freshwater receiving waters **and***E. coli* bacteria are expected to be present in the discharge based on facility processes.

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

Table 4for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1**	**Sample 2**	**Sample 3**	**Sample 4**	**MAL**
Tributyltin (µg/L)					0.010
Enterococci (cfu or MPN/100 mL)					N/A
E. coli (cfu or MPN/100 mL)					N/A

TABLE 5 (Instructions, Page 59)

Completion of Table 5 **is required** for all **external outfalls** which discharge process wastewater from a facility which manufactures or formulates pesticides or herbicides or other wastewaters which may contain pesticides or herbicides.

If this facility does not/will not manufacture or formulate pesticides or herbicides and does not/will not discharge other wastewaters that may contain pesticides or herbicides, check N/A.

☒ N/A

Table 5for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1 (µg/L)***	**Sample 2 (µg/L)***	**Sample 3 (µg/L)***	**Sample 4 (µg/L)***	**MAL (µg/L)***
Aldrin					0.01
Carbaryl					5
Chlordane					0.2
Chlorpyrifos					0.05
4,4'-DDD					0.1
4,4'-DDE					0.1
4,4'-DDT					0.02
2,4-D					0.7
Danitol [Fenpropathrin]					—
Demeton					0.20
Diazinon					0.5/0.1
Dicofol [Kelthane]					1
Dieldrin					0.02
Diuron					0.090
Endosulfan I (*alpha*)					0.01
Endosulfan II (*beta*)					0.02
Endosulfan sulfate					0.1

Pollutant	**Sample 1 (µg/L)***	**Sample 2 (µg/L)***	**Sample 3 (µg/L)***	**Sample 4 (µg/L)***	**MAL (µg/L)***
Endrin					0.02
Guthion [Azinphos methyl]					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
Hexachlorocyclohexane (*alpha*)					0.05
Hexachlorocyclohexane (*beta*)					0.05
Hexachlorocyclohexane (*gamma*) [Lindane]					0.05
Hexachlorophene					10
Malathion					0.1
Methoxychlor					2.0
Mirex					0.02
Parathion (ethyl)					0.1
Toxaphene					0.3
2,4,5-TP [Silvex]					0.3

* Indicate units if different from µg/L.

TABLE 6 (Instructions, Page 59)

Completion of Table 6 **is required** for all **external outfalls.**

Table 6for Outfall No.: 003 **Samples are (check one): X Composite ☐ Grab**

Pollutants	Believed Present	Believed Absent	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)	MAL (µg/L)*
Bromide	☐	X					400
Color (PCU)	X	☐	15	35.0	Not Sampled	Not Sampled	—
Nitrate-Nitrite (as N)	X	☐	1.19	<2.00	Not Sampled	Not Sampled	—
Sulfide (as S)	☐	X					—
Sulfite (as SO3)	☐	X					—
Surfactants	☐	X					—
Boron, total	☐	X					20
Cobalt, total	☐	X					0.3
Iron, total	X	☐	<0.200	<0.200	Not Sampled	Not Sampled	7
Magnesium, total	X	☐	2.64	2.220	Not Sampled	Not Sampled	20
Manganese, total	☐	☐					0.5
Molybdenum, total	X	☐	0.00854	<0.005	Not Sampled	Not Sampled	1
Tin, total	☐	X					5
Titanium, total	☐	X					30

TABLE 7 (Instructions, Page 60)

Check the box next to any of the industrial categories applicable to this facility. If no categories are applicable, check N/A. If GC/MS testing is required, check the box provided to confirm the testing results for the appropriate parameters are provided with the application.

☐ N/A

Table 7 for Applicable Industrial Categories

Industrial Category	40 CFR Part	Volatiles Table 8	Acids Table 9	Bases/ Neutrals Table 10	Pesticides Table 11
☐ Adhesives and Sealants		☐ Yes	☐ Yes	☐ Yes	No
☐ Aluminum Forming	467	☐ Yes	☐ Yes	☐ Yes	No
☐ Auto and Other Laundries		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Battery Manufacturing	461	☐ Yes	No	☐ Yes	No
☐ Coal Mining	434	No	No	No	No
☐ Coil Coating	465	☐ Yes	☐ Yes	☐ Yes	No
☐ Copper Forming	468	☐ Yes	☐ Yes	☐ Yes	No
☐ Electric and Electronic Components	469	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Electroplating	413	☐ Yes	☐ Yes	☐ Yes	No
☐ Explosives Manufacturing	457	No	☐ Yes	☐ Yes	No
☐ Foundries		☐ Yes	☐ Yes	☐ Yes	No
☐ Gum and Wood Chemicals - Subparts A,B,C,E	454	☐ Yes	☐ Yes	No	No
☐ Gum and Wood Chemicals - Subparts D,F	454	☐ Yes	☐ Yes	☐ Yes	No
X Inorganic Chemicals Manufacturing	415	X Yes	X Yes	X Yes	No
☐ Iron and Steel Manufacturing	420	☐ Yes	☐ Yes	☐ Yes	No
☐ Leather Tanning and Finishing	425	☐ Yes	☐ Yes	☐ Yes	No
☐ Mechanical Products Manufacturing		☐ Yes	☐ Yes	☐ Yes	No
☐ Nonferrous Metals Manufacturing	421,471	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Oil and Gas Extraction - Subparts A, D, E, F, G, H	435	☐ Yes	☐ Yes	☐ Yes	No
☐ Ore Mining - Subpart B	440	No	☐ Yes	No	No
☐ Organic Chemicals Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Paint and Ink Formulation	446,447	☐ Yes	☐ Yes	☐ Yes	No
☐ Pesticides	455	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Petroleum Refining	419	☐ Yes	No	No	No
☐ Pharmaceutical Preparations	439	☐ Yes	☐ Yes	☐ Yes	No
☐ Photographic Equipment and Supplies	459	☐ Yes	☐ Yes	☐ Yes	No
☐ Plastic and Synthetic Materials Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Plastic Processing	463	☐ Yes	No	No	No
☐ Porcelain Enameling	466	No	No	No	No
☐ Printing and Publishing		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Pulp and Paperboard Mills - Subpart C	430	☐ *	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subparts F, K	430	☐ *	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts A, B, D, G, H	430	☐ Yes	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts I, J, L	430	☐ Yes	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subpart E	430	☐ Yes	☐ Yes	☐ Yes	☐ *
☐ Rubber Processing	428	☐ Yes	☐ Yes	☐ Yes	No
☐ Soap and Detergent Manufacturing	417	☐ Yes	☐ Yes	☐ Yes	No
☐ Steam Electric Power Plants	423	☐ Yes	☐ Yes	No	No
☐ Textile Mills (Not Subpart C)	410	☐ Yes	☐ Yes	☐ Yes	No
☐ Timber Products Processing	429	☐ Yes	☐ Yes	☐ Yes	☐ Yes

* Test if believed present.

TABLES 8, 9, 10, and 11 (Instructions, Page 60)

Completion of Tables 8, 9, 10, and 11 **is required** as specified in Table 7 for all **external outfalls** that contain process wastewater.

Completion of Tables 8, 9, 10, and 11 **may be required** for types of industry not specified in Table 7 for specific parameters that are believed to be present in the wastewater.

Table 8for Outfall No.: 003 **Samples are (check one): ☐ Composite X Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acrolein	<20.0	<20.0	Not Sampled	Not Sampled	50
Acrylonitrile	<10.0	<10.0	Not Sampled	Not Sampled	50
Benzene	<5.00	<5.00	Not Sampled	Not Sampled	10
Bromoform	<5.00	<5.00	Not Sampled	Not Sampled	10
Carbon tetrachloride	<5.00	<0.600	Not Sampled	Not Sampled	2
Chlorobenzene	<5.00	<5.00	Not Sampled	Not Sampled	10
Chlorodibromomethane	<5.00	<5.00	Not Sampled	Not Sampled	10
Chloroethane	<5.00	<5.00	Not Sampled	Not Sampled	50
2-Chloroethylvinyl ether	<10.00	<10.00	Not Sampled	Not Sampled	10
Chloroform	<5.00	<5.00	Not Sampled	Not Sampled	10
Dichlorobromomethane [Bromodichloromethane]	<5.00	<5.00	Not Sampled	Not Sampled	10
1,1-Dichloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2-Dichloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
1,1-Dichloroethylene [1,1-Dichloroethene]	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2-Dichloropropane	<5.00	<5.00	Not Sampled	Not Sampled	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<5.00	<5.00	Not Sampled	Not Sampled	10
Ethylbenzene	<5.00	<5.00	Not Sampled	Not Sampled	10
Methyl bromide [Bromomethane]	<5.00	<5.00	Not Sampled	Not Sampled	50
Methyl chloride [Chloromethane]	<5.00	<5.00	Not Sampled	Not Sampled	50
Methylene chloride [Dichloromethane]	<10.00	<10.00	Not Sampled	Not Sampled	20
1,1,2,2-Tetrachloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
Tetrachloroethylene [Tetrachloroethene]	<5.00	<5.00	Not Sampled	Not Sampled	10
Toluene	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]	<5.00	<5.00	Not Sampled	Not Sampled	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
1,1,1-Trichloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
1,1,2-Trichloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
Trichloroethylene [Trichloroethene]	<5.00	<5.00	Not Sampled	Not Sampled	10
Vinyl chloride	<2.00	<2.00	Not Sampled	Not Sampled	10

* Indicate units if different from µg/L.

Table 9for Outfall No.: 003 **Samples are (check one): X Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
2-Chlorophenol	<5.00	<5.00	Not Sampled	Not Sampled	10
2,4-Dichlorophenol	<5.00	<5.00	Not Sampled	Not Sampled	10
2,4-Dimethylphenol	<5.00	<5.00	Not Sampled	Not Sampled	10
4,6-Dinitro-o-cresol	<5.00	<5.00	Not Sampled	Not Sampled	50
2,4-Dinitrophenol	<5.00	<5.00	Not Sampled	Not Sampled	50
2-Nitrophenol	<5.00	<5.00	Not Sampled	Not Sampled	20
4-Nitrophenol	<5.00	<5.00	Not Sampled	Not Sampled	50
p-Chloro-m-cresol	<5.00	<5.00	Not Sampled	Not Sampled	10
Pentachlorophenol	<5.00	<5.00	Not Sampled	Not Sampled	5
Phenol	<5.00	<5.00	Not Sampled	Not Sampled	10
2,4,6-Trichlorophenol	<5.00	<5.00	Not Sampled	Not Sampled	10

* Indicate units if different from µg/L.

Table 10for Outfall No.: 003 **Samples are (check one): X Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene	<5.00	<5.00	Not Sampled	Not Sampled	10
Acenaphthylene	<5.00	<5.00	Not Sampled	Not Sampled	10
Anthracene	<5.00	<5.00	Not Sampled	Not Sampled	10
Benzidine	<5.00	<5.00	Not Sampled	Not Sampled	50
Benzo(a)anthracene	<5.00	<5.00	Not Sampled	Not Sampled	5
Benzo(a)pyrene	<5.00	<5.00	Not Sampled	Not Sampled	5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]	<5.00	<5.00	Not Sampled	Not Sampled	10
Benzo(ghi)perylene	<5.00	<5.00	Not Sampled	Not Sampled	20
Benzo(k)fluoranthene	<5.00	<5.00	Not Sampled	Not Sampled	5
Bis(2-chloroethoxy)methane	<5.00	<5.00	Not Sampled	Not Sampled	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether	<5.00	<5.00	Not Sampled	Not Sampled	10
Bis(2-chloroisopropyl)ether	<5.00	<5.00	Not Sampled	Not Sampled	10
Bis(2-ethylhexyl)phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
4-Bromophenyl phenyl ether	<5.00	<5.00	Not Sampled	Not Sampled	10
Butylbenzyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
2-Chloronaphthalene	<5.00	<5.00	Not Sampled	Not Sampled	10
4-Chlorophenyl phenyl ether	<5.00	<5.00	Not Sampled	Not Sampled	10
Chrysene	<5.00	<5.00	Not Sampled	Not Sampled	5
Dibenzo(a,h)anthracene	<5.00	<5.00	Not Sampled	Not Sampled	5
1,2-Dichlorobenzene [o-Dichlorobenzene]	<5.00	<5.00	Not Sampled	Not Sampled	10
1,3-Dichlorobenzene [m-Dichlorobenzene]	<5.00	<5.00	Not Sampled	Not Sampled	10
1,4-Dichlorobenzene [p-Dichlorobenzene]	<5.00	<5.00	Not Sampled	Not Sampled	10
3,3'-Dichlorobenzidine	<5.00	<5.00	Not Sampled	Not Sampled	5
Diethyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
Dimethyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
Di-n-butyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
2,4-Dinitrotoluene	<5.00	<5.00	Not Sampled	Not Sampled	10
2,6-Dinitrotoluene	<5.00	<5.00	Not Sampled	Not Sampled	10
Di-n-octyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2-Diphenylhydrazine (as Azobenzene)	<5.00	<5.00	Not Sampled	Not Sampled	20
Fluoranthene	<5.00	<5.00	Not Sampled	Not Sampled	10
Fluorene	<5.00	<5.00	Not Sampled	Not Sampled	10
Hexachlorobenzene	<5.00	<5.00	Not Sampled	Not Sampled	5
Hexachlorobutadiene	<5.00	<5.00	Not Sampled	Not Sampled	10
Hexachlorocyclopentadiene	<5.00	<5.00	Not Sampled	Not Sampled	10
Hexachloroethane	<5.00	<5.00	Not Sampled	Not Sampled	20
Indeno(1,2,3-cd)pyrene	<5.00	<5.00	Not Sampled	Not Sampled	5
Isophorone	<5.00	<5.00	Not Sampled	Not Sampled	10
Naphthalene	<5.00	<5.00	Not Sampled	Not Sampled	10
Nitrobenzene	<5.00	<5.00	Not Sampled	Not Sampled	10
N-Nitrosodimethylamine	<5.00	<5.00	Not Sampled	Not Sampled	50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
N-Nitrosodi-n-propylamine	<5.00	<5.00	Not Sampled	Not Sampled	20
N-Nitrosodiphenylamine	<5.00	<5.00	Not Sampled	Not Sampled	20
Phenanthrene	<5.00	<5.00	Not Sampled	Not Sampled	10
Pyrene	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2,4-Trichlorobenzene	<5.00	<5.00	Not Sampled	Not Sampled	10

* Indicate units if different from µg/L.

Table 11for Outfall No.: N/A **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05
beta-BHC [beta-Hexachlorocyclohexane]					0.05
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05
delta-BHC [delta-Hexachlorocyclohexane]					0.05
Chlordane					0.2
4,4'-DDT					0.02
4,4'-DDE					0.1
4,4'-DDD					0.1
Dieldrin					0.02
Endosulfan I (alpha)					0.01
Endosulfan II (beta)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Endrin aldehyde					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
PCB 1242					0.2
PCB 1254					0.2
PCB 1221					0.2
PCB 1232					0.2
PCB 1248					0.2

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
PCB 1260					0.2
PCB 1016					0.2
Toxaphene					0.3

* Indicate units if different from µg/L.

Attachment: Click to enter text.

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

Complete of Table 12 **is required** for **external outfalls**, as directed below. (Instructions, Pages 59-60)

Indicate which compound(s) are manufactured or used at the facility and provide a brief description of the conditions of its/their presence at the facility (check all that apply).

☐ 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) CASRN 93-76-5

☐ 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) CASRN 93-72-1

☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) CASRN 136-25-4

☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel) CASRN 299-84-3

☐ 2,4,5-trichlorophenol (TCP) CASRN 95-95-4

☐ hexachlorophene (HCP) CASRN 70-30-4

X None of the above

Description:Click to enter text.

Does the applicant or anyone at the facility know or have any reason to believe that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) or any congeners of TCDD may be present in the effluent proposed for discharge?

☐ Yes X No

Description:Click to enter text.

If **yes** to either Items a **or**b, complete Table 12 as instructed.

Table 12for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDD	1					10
1,2,3,7,8-PeCDD	1.0					50
2,3,7,8-HxCDDs	0.1					50
1,2,3,4,6,7,8-HpCDD	0.01					50

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDF	0.1					10
1,2,3,7,8-PeCDF	0.03					50
2,3,4,7,8-PeCDF	0.3					50
2,3,7,8-HxCDFs	0.1					50
2,3,4,7,8-HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					500
PCB 81	0.0003					500
PCB 126	0.1					500
PCB 169	0.03					500
Total						

TABLE 13 (HAZARDOUS SUBSTANCES)

Complete Table 13 **is required** for all **external outfalls**as directed below. (Instructions, Pages 60-61)

Are there any pollutants listed in the instructions (pages 55-62) believed present in the discharge?

☐ Yes X No

Are there pollutants listed in Item 1.c. of Technical Report 1.0 which are believed present in the discharge and have not been analytically quantified elsewhere in this application?

☐ Yes X No

If **yes** to either Items a **or** b, complete Table 13 as instructed.

Table 13 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	CASRN	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	Analytical Method

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: POLLUTANT ANALYSIS

Worksheet 2.0 **is required** for all applications submitted for a TPDES permit.Worksheet 2.0 is not required for applications for a permit to dispose of all wastewater by land disposal or for discharges solely of stormwater associated with industrial activities.

Item 1. General Testing Requirements (Instructions, Page 55)

a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): To be provided

b. X Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.

c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm.**Attachment:** 9 – To be provided

Item 2. Specific Testing Requirements (Instructions, Page 56)

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable.**Attachment:** N/A

TABLE 1 and TABLE 2 (Instructions, Page 58)

Completion of Tables 1 and 2 is required for all external outfalls for all TPDES permit applications.

Table 1 for Outfall No.: 004 **Samples are (check one): X Composite X Grab**

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	<2.00	2.64	Not Sampled	Not Sampled
CBOD (5-day)	<2.00	2.86	Not Sampled	Not Sampled
Chemical oxygen demand	<15.00	19.0	Not Sampled	Not Sampled
Total organic carbon	6.28	5.70	Not Sampled	Not Sampled
Dissolved oxygen	7.71	8.22	Not Sampled	Not Sampled
Ammonia nitrogen	0.24	0.66	Not Sampled	Not Sampled
Total suspended solids	12.6	12.9	Not Sampled	Not Sampled
Nitrate nitrogen	0.434	0.789	Not Sampled	Not Sampled
Total organic nitrogen	<0.50	<0.50	Not Sampled	Not Sampled
Total phosphorus	0.258	<0.0500	Not Sampled	Not Sampled
Oil and grease	2.79	<2.00	Not Sampled	Not Sampled
Total residual chlorine	<0.10	0.10	Not Sampled	Not Sampled

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total dissolved solids	72.0	144	Not Sampled	Not Sampled
Sulfate	10.9	33.3	Not Sampled	Not Sampled
Chloride	9.32	33.2	Not Sampled	Not Sampled
Fluoride	0.104	<0.100	Not Sampled	Not Sampled
Total alkalinity (mg/L as CaCO3)	14.2	31.8	Not Sampled	Not Sampled
Temperature (°F)	68.36	69.44	Not Sampled	Not Sampled
pH (standard units)	7.13	7.41	Not Sampled	Not Sampled

Table 2for Outfall No.: 004 **Samples are (check one): X Composite X Grab**

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	144	158	Not Sampled	Not Sampled	2.5
Antimony, total	<5.00	<5.00	Not Sampled	Not Sampled	5
Arsenic, total	<2.00	0.797 J	Not Sampled	Not Sampled	0.5
Barium, total	12.0	22.6	Not Sampled	Not Sampled	3
Beryllium, total	<5.00	<0.0910	Not Sampled	Not Sampled	0.5
Cadmium, total	<2.00	0.855 J	Not Sampled	Not Sampled	1
Chromium, total	<4.00	0.965 J	Not Sampled	Not Sampled	3
Chromium, hexavalent	0.477	0.519	Not Sampled	Not Sampled	3
Chromium, trivalent	<3.523	0.446 J	Not Sampled	Not Sampled	N/A
Copper, total	5.99	10.8	Not Sampled	Not Sampled	2
Cyanide, available	<2.00	4.72	Not Sampled	Not Sampled	2/10
Lead, total	5.45	3.58	Not Sampled	Not Sampled	0.5
Mercury, total	0.0137	0.00963	Not Sampled	Not Sampled	0.005/0.0005
Nickel, total	<2.00	2.42	Not Sampled	Not Sampled	2
Selenium, total	<2.00	<2.00	Not Sampled	Not Sampled	5
Silver, total	<2.00	<0.0440	Not Sampled	Not Sampled	0.5
Thallium, total	<2.00	<0.2500	Not Sampled	Not Sampled	0.5
Zinc, total	463	375	Not Sampled	Not Sampled	5.0

TABLE 6 (Instructions, Page 59)

Completion of Table 6 **is required** for all **external outfalls.**

Table 6for Outfall No.: 004 **Samples are (check one): X Composite ☐ Grab**

Pollutants	Believed Present	Believed Absent	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)	MAL (µg/L)*
Bromide	☐	X					400
Color (PCU)	X	☐	15.0	25.0	Not Sampled	Not Sampled	—
Nitrate-Nitrite (as N)	X	☐	<2.00	<2.00	Not Sampled	Not Sampled	—
Sulfide (as S)	☐	X					—
Sulfite (as SO3)	☐	X					—
Surfactants	☐	X					—
Boron, total	☐	X					20
Cobalt, total	☐	X					0.3
Iron, total	X	☐	<0.200	<0.200	Not Sampled	Not Sampled	7
Magnesium, total	X	☐	0.514	1.510	Not Sampled	Not Sampled	20
Manganese, total	☐	X					0.5
Molybdenum, total	X	☐	<0.005	<0.005	Not Sampled	Not Sampled	1
Tin, total	☐	X					5
Titanium, total	☐	X					30

TABLES 8, 9, 10, and 11 (Instructions, Page 60)

Completion of Tables 8, 9, 10, and 11 **is required** as specified in Table 7 for all **external outfalls** that contain process wastewater.

Completion of Tables 8, 9, 10, and 11 **may be required** for types of industry not specified in Table 7 for specific parameters that are believed to be present in the wastewater.

Table 8for Outfall No.: 004 **Samples are (check one): ☐ Composite X Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acrolein	<20.0	<20.0	Not Sampled	Not Sampled	50
Acrylonitrile	<10.0	<10.0	Not Sampled	Not Sampled	50
Benzene	<5.00	<5.00	Not Sampled	Not Sampled	10
Bromoform	<5.00	<5.00	Not Sampled	Not Sampled	10
Carbon tetrachloride	<5.00	<0.600	Not Sampled	Not Sampled	2
Chlorobenzene	<5.00	<5.00	Not Sampled	Not Sampled	10
Chlorodibromomethane	<5.00	<5.00	Not Sampled	Not Sampled	10
Chloroethane	<5.00	<5.00	Not Sampled	Not Sampled	50
2-Chloroethylvinyl ether	<10.00	<10.00	Not Sampled	Not Sampled	10
Chloroform	<5.00	<5.00	Not Sampled	Not Sampled	10
Dichlorobromomethane [Bromodichloromethane]	<5.00	<5.00	Not Sampled	Not Sampled	10
1,1-Dichloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2-Dichloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
1,1-Dichloroethylene [1,1-Dichloroethene]	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2-Dichloropropane	<5.00	<5.00	Not Sampled	Not Sampled	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<5.00	<5.00	Not Sampled	Not Sampled	10
Ethylbenzene	<5.00	<5.00	Not Sampled	Not Sampled	10
Methyl bromide [Bromomethane]	<5.00	<5.00	Not Sampled	Not Sampled	50
Methyl chloride [Chloromethane]	<5.00	<5.00	Not Sampled	Not Sampled	50
Methylene chloride [Dichloromethane]	<10.00	<10.00	Not Sampled	Not Sampled	20
1,1,2,2-Tetrachloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
Tetrachloroethylene [Tetrachloroethene]	<5.00	<5.00	Not Sampled	Not Sampled	10
Toluene	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]	<5.00	<5.00	Not Sampled	Not Sampled	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
1,1,1-Trichloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
1,1,2-Trichloroethane	<5.00	<5.00	Not Sampled	Not Sampled	10
Trichloroethylene [Trichloroethene]	<5.00	<5.00	Not Sampled	Not Sampled	10
Vinyl chloride	<2.00	<2.00	Not Sampled	Not Sampled	10

* Indicate units if different from µg/L.

Table 9for Outfall No.: 004 **Samples are (check one): X Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
2-Chlorophenol	<5.00	<5.00	Not Sampled	Not Sampled	10
2,4-Dichlorophenol	<5.00	<5.00	Not Sampled	Not Sampled	10
2,4-Dimethylphenol	<5.00	<5.00	Not Sampled	Not Sampled	10
4,6-Dinitro-o-cresol	<5.00	<5.00	Not Sampled	Not Sampled	50
2,4-Dinitrophenol	<5.00	<5.00	Not Sampled	Not Sampled	50
2-Nitrophenol	<5.00	<5.00	Not Sampled	Not Sampled	20
4-Nitrophenol	<5.00	<5.00	Not Sampled	Not Sampled	50
p-Chloro-m-cresol	<5.00	<5.00	Not Sampled	Not Sampled	10
Pentachlorophenol	<5.00	<5.00	Not Sampled	Not Sampled	5
Phenol	<5.00	<5.00	Not Sampled	Not Sampled	10
2,4,6-Trichlorophenol	<5.00	<5.00	Not Sampled	Not Sampled	10

* Indicate units if different from µg/L.

Table 10for Outfall No.: 004 **Samples are (check one): X Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene	<5.00	<5.00	Not Sampled	Not Sampled	10
Acenaphthylene	<5.00	<5.00	Not Sampled	Not Sampled	10
Anthracene	<5.00	<5.00	Not Sampled	Not Sampled	10
Benzidine	<5.00	<5.00	Not Sampled	Not Sampled	50
Benzo(a)anthracene	<5.00	<5.00	Not Sampled	Not Sampled	5
Benzo(a)pyrene	<5.00	<5.00	Not Sampled	Not Sampled	5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]	<5.00	<5.00	Not Sampled	Not Sampled	10
Benzo(ghi)perylene	<5.00	<5.00	Not Sampled	Not Sampled	20
Benzo(k)fluoranthene	<5.00	<5.00	Not Sampled	Not Sampled	5
Bis(2-chloroethoxy)methane	<5.00	<5.00	Not Sampled	Not Sampled	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether	<5.00	<5.00	Not Sampled	Not Sampled	10
Bis(2-chloroisopropyl)ether	<5.00	<5.00	Not Sampled	Not Sampled	10
Bis(2-ethylhexyl)phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
4-Bromophenyl phenyl ether	<5.00	<5.00	Not Sampled	Not Sampled	10
Butylbenzyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
2-Chloronaphthalene	<5.00	<5.00	Not Sampled	Not Sampled	10
4-Chlorophenyl phenyl ether	<5.00	<5.00	Not Sampled	Not Sampled	10
Chrysene	<5.00	<5.00	Not Sampled	Not Sampled	5
Dibenzo(a,h)anthracene	<5.00	<5.00	Not Sampled	Not Sampled	5
1,2-Dichlorobenzene [o-Dichlorobenzene]	<5.00	<5.00	Not Sampled	Not Sampled	10
1,3-Dichlorobenzene [m-Dichlorobenzene]	<5.00	<5.00	Not Sampled	Not Sampled	10
1,4-Dichlorobenzene [p-Dichlorobenzene]	<5.00	<5.00	Not Sampled	Not Sampled	10
3,3'-Dichlorobenzidine	<5.00	<5.00	Not Sampled	Not Sampled	5
Diethyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
Dimethyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
Di-n-butyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
2,4-Dinitrotoluene	<5.00	<5.00	Not Sampled	Not Sampled	10
2,6-Dinitrotoluene	<5.00	<5.00	Not Sampled	Not Sampled	10
Di-n-octyl phthalate	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2-Diphenylhydrazine (as Azobenzene)	<5.00	<5.00	Not Sampled	Not Sampled	20
Fluoranthene	<5.00	<5.00	Not Sampled	Not Sampled	10
Fluorene	<5.00	<5.00	Not Sampled	Not Sampled	10
Hexachlorobenzene	<5.00	<5.00	Not Sampled	Not Sampled	5
Hexachlorobutadiene	<5.00	<5.00	Not Sampled	Not Sampled	10
Hexachlorocyclopentadiene	<5.00	<5.00	Not Sampled	Not Sampled	10
Hexachloroethane	<5.00	<5.00	Not Sampled	Not Sampled	20
Indeno(1,2,3-cd)pyrene	<5.00	<5.00	Not Sampled	Not Sampled	5
Isophorone	<5.00	<5.00	Not Sampled	Not Sampled	10
Naphthalene	<5.00	<5.00	Not Sampled	Not Sampled	10
Nitrobenzene	<5.00	<5.00	Not Sampled	Not Sampled	10
N-Nitrosodimethylamine	<5.00	<5.00	Not Sampled	Not Sampled	50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
N-Nitrosodi-n-propylamine	<5.00	<5.00	Not Sampled	Not Sampled	20
N-Nitrosodiphenylamine	<5.00	<5.00	Not Sampled	Not Sampled	20
Phenanthrene	<5.00	<5.00	Not Sampled	Not Sampled	10
Pyrene	<5.00	<5.00	Not Sampled	Not Sampled	10
1,2,4-Trichlorobenzene	<5.00	<5.00	Not Sampled	Not Sampled	10

* Indicate units if different from µg/L.

Table 11for Outfall No.: N/A **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05
beta-BHC [beta-Hexachlorocyclohexane]					0.05
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05
delta-BHC [delta-Hexachlorocyclohexane]					0.05
Chlordane					0.2
4,4'-DDT					0.02
4,4'-DDE					0.1
4,4'-DDD					0.1
Dieldrin					0.02
Endosulfan I (alpha)					0.01
Endosulfan II (beta)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Endrin aldehyde					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
PCB 1242					0.2
PCB 1254					0.2
PCB 1221					0.2
PCB 1232					0.2
PCB 1248					0.2

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: RECEIVING WATERS

This worksheet **is required** for all TPDES permit applications.

Item 1. Domestic Drinking Water Supply (Instructions, Page 80)

a. There is a surface water intake for domestic drinking water supply located within 5 (five) miles downstream from the point/proposed point of discharge.

☐ Yes ☒ No

If **no**, stop here and proceed to Item 2. If **yes**, provide the following information:

1. The legal name of the owner of the drinking water supply intake:Click to enter text.
2. The distance and direction from the outfall to the drinking water supply intake:Click to enter text.

b. Locate and identify the intake on the USGS 7.5-minute topographic map provided for Administrative Report 1.0.

☐ Check this box to confirm the above requested information is provided.

Item 2. Discharge Into Tidally Influenced Waters (Instructions, Page 80)

If the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to Item 3.

a. Width of the receiving water at the outfall:

b. Are there oyster reefs in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the oyster reefs:Click to enter text.

c. Are there sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and directionfrom the outfall(s) to the grasses:Click to enter text.

Item 3. Classified Segment (Instructions, Page 80)

The discharge is/will be directly into (or within 300 feet of) a classified segment.

☐ Yes ☒ No

If **yes**, stop here and do not complete Items 4 and 5 of this worksheet or Worksheet 4.1.

If **no**, complete Items 4 and 5 and Worksheet 4.1 may be required.

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

a. Name of the immediate receiving waters: HCFCD Ditch A104-13

b. Check the appropriate description of the immediate receiving waters:

☐ Lake or Pond

- Surface area (acres):Click to enter text.
- Average depth of the entire water body (feet):Click to enter text.
- Average depth of water body within a 500-foot radius of the discharge point (feet):Click to enter text.

☒ Man-Made Channel or Ditch

☐ Stream or Creek

☐ Freshwater Swamp or Marsh

☐ Tidal Stream, Bayou, or Marsh

☐ Open Bay

☐ Other, specify:

If **Man-Made Channel or Ditch** or **Stream or Creek**were selected above, provide responses to Items 4.c–4.g below:

c. For **existingdischarges**, check the description below that best characterizes the area **upstream** of the discharge.

For **newdischarges**, check the description below that best characterizes the area **downstream** of the discharge.

☐ Intermittent (dry for at least one week during most years)

☐ Intermittent with Perennial Pools (enduring pools containing habitat to maintain aquatic life uses)

☒ Perennial (normally flowing)

Check the source(s) of the information used to characterize the area upstream (existing discharge) or downstream (new discharge):

☐ USGS flow records

☒ personal observation

☐ historical observation by adjacent landowner(s)

☐ other, specify:Click to enter text.

d. List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point: Unnamed drainage ditches (normally not flowing) join HCFCD Ditch A104-13, which joins Taylor Bayou.

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

X Yes No

If **yes**, describe how: The flood control ditch commingles with Taylor Bayou.

f. General observations of the water body during normal dry weather conditions:The water was flowing in the flood control ditch and its color was brownish green.

Date and time of observation: January 6, 2024 at around 9:39 AM

g. The water body was influenced by stormwater runoff during observations.

X Yes No

If **yes**, describe how: Runoff from the areas flows into the flood control ditch.

Item 5. General Characteristics of Water Body (Instructions, Page 81)

a. Is the receiving water upstream of the existing discharge or proposed discharge site influenced by any of the following (check all that apply):

- ☐ oil field activities
- ☐ agricultural runoff
- ☐ upstream discharges
- ☐ urban runoff
- ☐ septic tanks
- ☐ other, specify:

b. Uses of water body observed or evidence of such uses (check all that apply):

- ☐ livestock watering
- ☐ non-contact recreation
- ☐ domestic water supply
- ☐ contact recreation
- ☐ fishing
- ☐ industrial water supply
- ☐ irrigation withdrawal
- ☐ navigation
- ☐ picnic/park activities
- X other, specify:None from Flood Control Ditch

c. Description which best describes the aesthetics of the receiving water and the surrounding area (check only one):

- ☐ **Wilderness:**outstanding natural beauty; usually wooded or un-pastured area: water clarity exceptional
- ☐ **Natural Area:** trees or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored
- X **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

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 7.0: STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

This worksheet **is required** for all TPDES permit applications requesting individual permit coverage for discharges consisting of**either**: 1) solely of stormwater discharges associated with industrial activities,as defined in *40 CFR § 122.26(b)(14)(i-xi)*, **or**2) stormwater discharges associated with industrial activities and any of the listed allowable non-stormwater discharges, as defined in the MSGP (TXR05000), Part II, Section A, Item 6.

Discharges of stormwateras defined in *40 CFR § 122.26 (b)(13)*are not required to obtain authorization under a TPDES permit (see exceptions at *40 CFR §§ 122.26(a)(1)* and *(9)*). Authorization for discharge may be required from a local municipal separate storm sewer system.

Item 1. Applicability (Instructions, Page 89)

Do discharges from any of the existing/proposed outfalls consist either 1) solely of stormwater discharges associated with industrial activities**or**2) stormwater discharges associated with industrial activities and any of the allowable non-stormwater discharges?

☐ Yes X No

If **no**, stop here. If **yes**, proceed as directed.

Item 2. Stormwater Coverage (Instructions, Page 89)

List each existing/proposed stormwater outfall at the facility and indicate which type of authorization covers or is proposed to cover discharges.

Authorization Coverage

Outfall	Authorization under MSGP	Authorized Under Individual Permit
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

If **all** existing/proposed outfalls which discharge stormwater associated with industrial activities(and any of the allowable non-stormwater discharges) are **authorized under the MSGP**, **stop** here.

If **seeking authorization** for any outfalls which discharge stormwater associated with industrial activities(and any of the allowable non-stormwater discharges) **under an individual permit**, **proceed**.

NOTE:The following information is required for each existing/proposed stormwater outfallfor which the facility is seeking individual permit authorization under this application

Item 3. Site Map (Instructions, Page 90)

Attach a site map or maps (drawn to scale) of the entire facility with the following information.

- the location of each stormwater outfall to be covered by the permit
- an outline of the drainage area that is within the facility's boundary and that contributes stormwater to each outfall to be covered by the permit
- connections or discharge points to municipal separate storm sewer systems
- locations of all structures (e.g. buildings, garages, storage tanks)
- structural control devices that are designed to reduce pollution in discharges of stormwater associated with industrial activities
- process wastewater treatment units (including ponds)
- bag house and other air treatment units exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)
- landfills; scrapyards; surface water bodies (including wetlands)
- vehicle and equipment maintenance areas
- physical features of the site that may influence discharges of stormwater associated with industrial activities or contribute a dry weather flow
- locations where spills or leaks of reportable quality (as defined in *30 TAC § 327.4*) have occurred during the three years before this application was submitted to obtain coverage under an individual permit
- processing areas, storage areas, material loading/unloading areas, and other locations where significant materials are exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)

☐ Check the box to confirm all above information was provided on the facility site map(s).

Attachment: Click to enter text.

Item 4. Facility/Site Information (Instructions, Page 90)

a. Provide the area of impervious surface and the total area drained by each stormwater outfall requested for authorization by this permit application.

Impervious Surfaces

Outfall	Area of Impervious Surface (include units)	Total Area Drained (include units)

Outfall	Area of Impervious Surface (include units)	Total Area Drained (include units)

b. Provide the following local area rainfall information and the source of the information.

Wettest month:Click to enter text.

Average rainfall for wettest month (total inches):Click to enter text.

25-year, 24-hour rainfall (inches):Click to enter text.

Source:Click to enter text.

c. Attach an inventory, or list, of materials currently handled at the facility that may be exposed to precipitation. **Attachment:**Click to enter text.

d. Attach narrative descriptions of the industrial processes and activities involving the materials in the above-listed inventory that occur outdoors or in some manner that may result in exposure of the materials to precipitation or runoff (see instructions for guidance). **Attachment:**Click to enter text.

e. Describe any BMPs and controls the facility uses/proposes to prevent or effectively reduce pollution in stormwater discharges from the facility:Click to enter text.

Item 5. Pollutant Analysis (Instructions, Page 91)

a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018):Click to enter text.

b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.

c. Complete Table 17 as directed on page 92 of the Instructions.

Table 17 for Outfall No.: Click to enter text.

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
pH (standard units)	(max)	—	(min)	—		—
Total suspended solids						—
Chemical oxygen demand						—
Total organic carbon						—
Oil and grease						—
Arsenic, total						0.0005
Barium, total						0.003
Cadmium, total						0.001
Chromium, total						0.003

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
Chromium, trivalent						—
Chromium, hexavalent						0.003
Copper, total						0.002
Lead, total						0.0005
Mercury, total						0.000005
Nickel, total						0.002
Selenium, total						0.005
Silver, total						0.0005
Zinc, total						0.005

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

d. Complete Table 18 as directed on pages 92-94 of the Instructions.

Table 18 for Outfall No.: Click to enter text.

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

Attachment: Click to enter text.

Item 6. Storm Event Data (Instructions, Page 93)

Provide the following data for the storm event(s) which resulted in the maximum values for the analytical data submitted:

Date of storm event: Click to enter text.

Duration of storm event (minutes): Click to enter text.

Total rainfall during storm event (inches): Click to enter text.

Number of hours the between beginning of the storm measured and the end of the previous measurable storm event (hours): Click to enter text.

Maximum flow rate during rain event (gallons/minute): Click to enter text.

Total stormwater flow from rain event (gallons): Click to enter text.

Provide a description of the method of flow measurement or estimate:

ATTACHMENT 1
TCEQ-10400 (11/22) CORE DATA FORM

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I:General Information

1. Reason for Submission(*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☒ Renewal(*Core Data Form should be submitted with the renewal form*) ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN600300693		RN100233998

SECTION II:Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

Air Liquide Large Industries U.S. LP

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
800387095	32035542425	27-0096130	18-001-5062

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☒ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☒ 501 and higher

13. Independently Owned and Operated?
☒ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:								
	Air Liquide Large Industries U.S. LP							
	9811 Katy Freeway, Suite 100							
	City	Houston	**State**	TX	**ZIP**	77024	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
N/A	

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(713)402-2396	0	(713) 803-7372

SECTION III:Regulated Entity Information

21. General Regulated Entity Information(*If 'New Regulated Entity" is selected,a newpermitapplication is also required.*)

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

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

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

Air Liquide Large Industries U.S. LP

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	11777 Bay Area Blvd							
	City	Pasadena	**State**	TX	**ZIP**	77507	**ZIP + 4**	
24. County	Harris							

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

25. Description to Physical Location:	N/A				
26. Nearest City			**State**		**Nearest ZIP Code**

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

27. Latitude (N)In Decimal:			**28. Longitude (W)In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
2813	4931	325120	221119

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

Production of O2, N2 & Ar and Steam

34. Mailing Address:	**11777 Bay Area Blvd**							
	City	**Pasadena**	**State**	**TX**	**ZIP**	**77507**	**ZIP + 4**	
35. E-Mail Address:	**aswath.kalappa@airliquide.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(281) 474-8337	**N/A**	**(281) 474-8226**

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.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☒ Emissions Inventory Air	☒ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☒ Storm Water	☒ Title V Air	☐ Tires	☒ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0004330000			

SECTION IV:Preparer Information

40. Name:	Aswath Kalappa		**41. Title:**	Sr. Environmental Specialist
42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**	
(832) 236-0523	N/A	(N/A) -	aswath.kalappa@airliquide.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, Field6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Air Liquide Large Industries U.S. LP	**Job Title:**	Vice President , of Operations
Name *(In Print):*	Christiaan Brand	**Phone:**	(713) 624-6000
Signature:		**Date:**	06/03/2024

ATTACHMENT 2
PLAIN LANGUAGE SUMMARY

PLAIN LANGUAGE SUMMARY FOR TPDES PERMIT NO. WQ0004330000 (EPA ID No. TX0102296) RENEWAL APPLICATION

AIR LIQUIDE LARGE INDUSTRIES U.S. LP
BAYPORT COMPLEX
11777 BAY AREA BLVD
PASADENA, HARRIS COUNTY, TX 77507

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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Air Liquide Large Industries U.S. LP (CN600300693) operates Bayport Complex, RN100233998, an air separation unit (ASU) and cogeneration facility. Bayport Complex separates the atmospheric air and produces Nitrogen, Oxygen and Argon (SIC Code 2813) and generates steam (SIC 4931). The facility is located at 11777 Bay Area Blvd in Pasadena, Harris County, Texas 77507.

The permit application is for renewal to discharge 72,000 gallons per day (permitted on average) of steam condensate, maintenance wash water, fire equipment test water and stormwater at Outfall 001, steam condensate and stormwater at Outfall 002, and steam condensate, fire equipment test water and stormwater at Outfalls 003 and 004.

The discharge at Outfall 001 from the facility is expected to contain Suspended Solids, Chemical Oxygen Demand, Oil and Grease, Temperature, pH and some metals (Hexavalent Chromium, Copper, and Zinc) that are included in the current permit and the discharges at Outfalls 002, 003 and 004 are expected to contain Chemical Oxygen Demand and Oil and Grease.

The facility uses the purchased river water for operations and discharges industrial wastewater streams including cooling tower blowdowns, boiler blowdowns, and wastewaters generated from the river water treatment system and from the demineralization process into the Gulf Coast Waste Disposal Authority (GCWDA) wastewater treatment plant (WWTP).

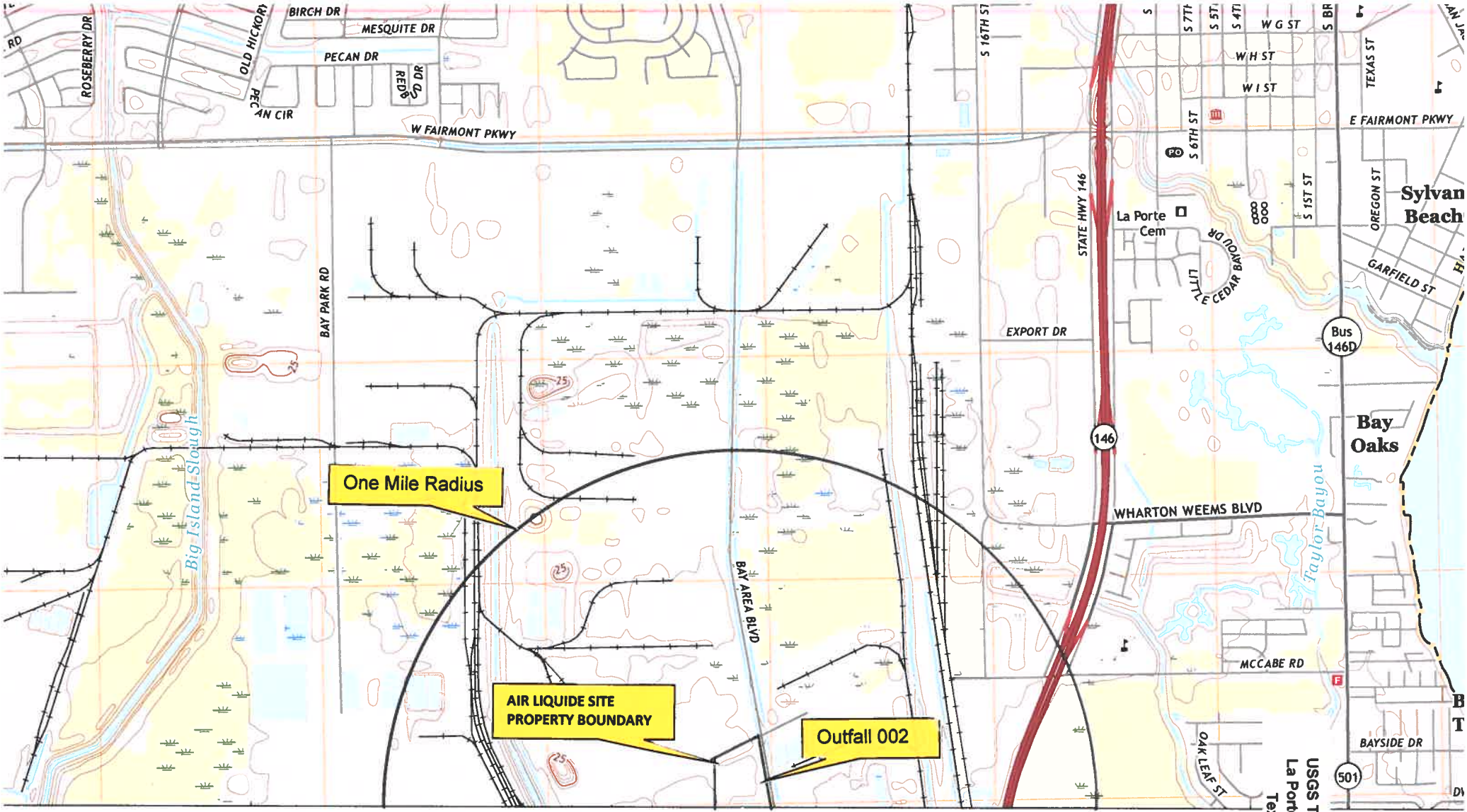
The types of industrial wastewater generated from the facility and discharged at Outfall 001 are steam condensate, maintenance wash water, fire equipment test water and stormwater. These industrial wastewater streams are collected in the onsite detention pond and the collected water is currently pumped and discharged to the GCWDA WWTP. The types of industrial wastewater generated from the facility and discharged at Outfall 002 are steam condensate and stormwater. The types of industrial wastewater generated from the facility and discharged at Outfalls 003 and 004 are steam condensate, fire equipment test water and stormwater.

Domestic wastewater is routed to a domestic wastewater treatment plant, the GCWDA WWTP.

ATTACHMENT 3

UNITED STATES GEOLOGICAL SURVEY (USGS) MAP:

[Note: In accordance with the 10411_1055-inst (01/08/2024) Instructions for Completing the Industrial Wastewater Application, "*for **renewal and amendment** applications," "an 8.5"x11", **reproduced** portion of the most current and original USGS Topographic map(s) that meets the 1:24,000 scale*" can be attached. This application is for Renewal without changes and therefore, an 8.5"x11", **reproduced** portion of the USGS Topographic Map is provided in lieu of the original full size maps.]



USGS TOPO MAP (1)
La Porte Quadrangle
Texas 2022

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

1 0.5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

FEET

QUADRANGLE LOCATION

ROAD CLASSIFICATI

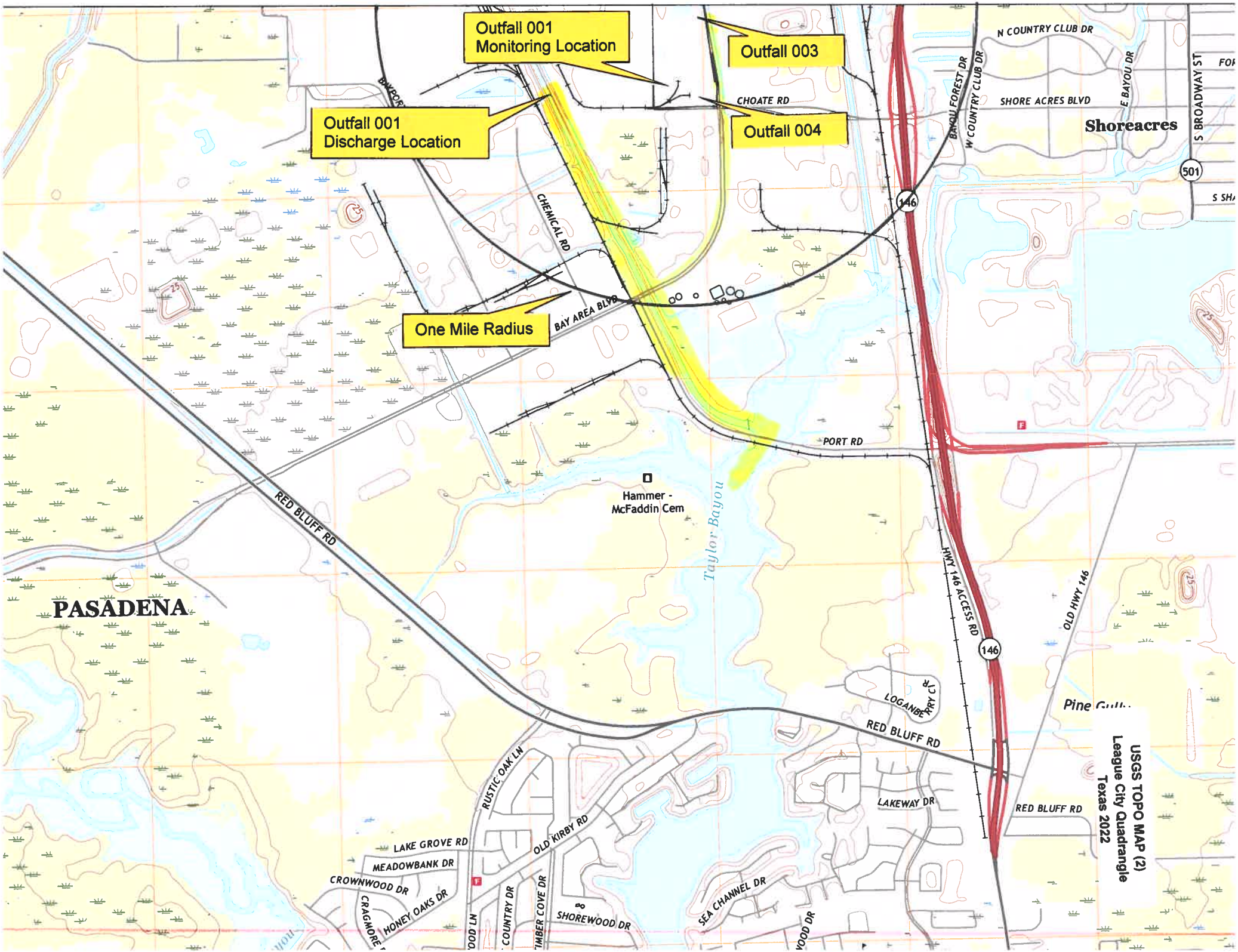
Expressway — Local

Secondary Hwy — Local

Ramp — 4WD

Interstate Route

US Route


Outfall 001
Monitoring Location
Outfall 003
Outfall 001
Discharge Location
Outfall 004
One Mile Radius
CHOATE RD
CHEMICAL RD
BAY AREA BLVD
PORT RD
RED BLUFF RD
PASADENA
Hammer -
McFaddin Cem
Taylor Bayou
N COUNTRY CLUB DR
SHORE ACRES BLVD
Shoreacres
BAYOU FOREST DR
W COUNTRY CLUB DR
E BAYOU DR
S BROADWAY ST
501
146
HWY 146 ACCESS RD
OLD HWY 146
LOGANBERRY CT
LAKEWAY DR
RUSTIC OAK LN
OLD KIRBY RD
LAKE GROVE RD
MEADOWBANK DR
CROWNWOOD DR
HONEY OAKS DR
CRAGMORE
COUNTRY DR
TIMBER COVE DR
SHOREWOOD DR
SEA CHANNEL DR
Pine Gulch
USGS TOPO MAP (2)
League City Quadrangle
Texas 2022

ATTACHMENT 4
TCEQ-20971 (08/31/2023) SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTICOR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: _____Renewal _____Major Amendment ____Minor Amendment _____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: Air Liquide Large Industries U.S. LP

   Permit No. WQ0004330000 EPA ID No. TX01022096

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

   11777 Bay Area Blvd, Pasadena, Harris County, Texas 77507

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: Greg Johnson

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

Title: HSE Specialist

Mailing Address: 11777 Bay Area Blvd

City, State, Zip Code: Pasadena, TX 77507

Phone No.: (281) 474-8337 Ext.: Click here to enter text. Fax No.: (281) 474-8226

E-mail Address: greg.johnson@airliquide.com

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

N/A

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

HCFCD Ditch A104-13, to Taylor Bayou, to Taylor Lake, and to Clear Lake in Segment No. 2425

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):

N/A

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

This is an existing industrial facility. The site is stabilized and there are not land disturbances. Thus impacts are none.

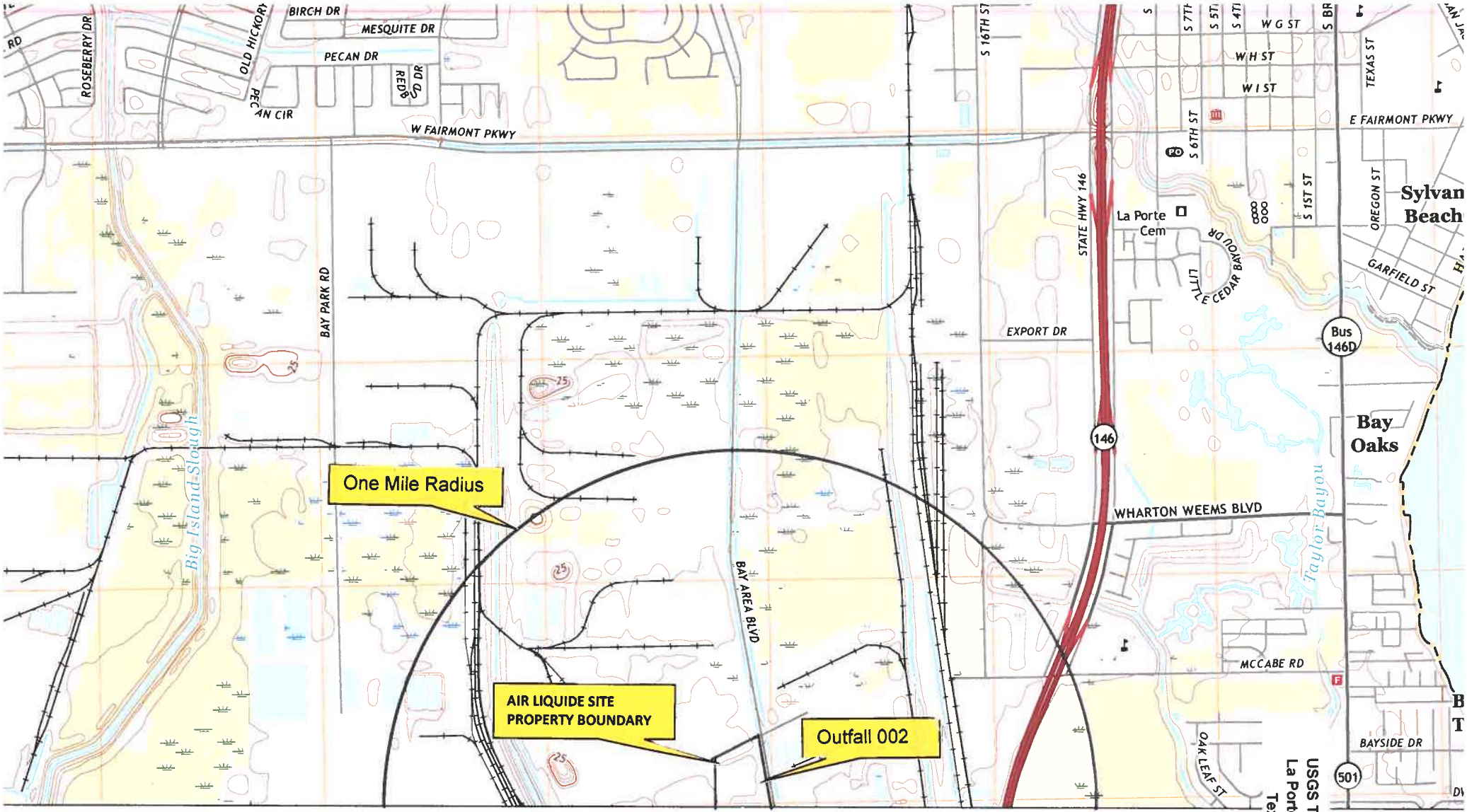
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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



USGS TOPO MAP (1)
La Porte Quadrangle
Texas 2022

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

1 0.5 0 MILES 1

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

QUADRANGLE LOCATION

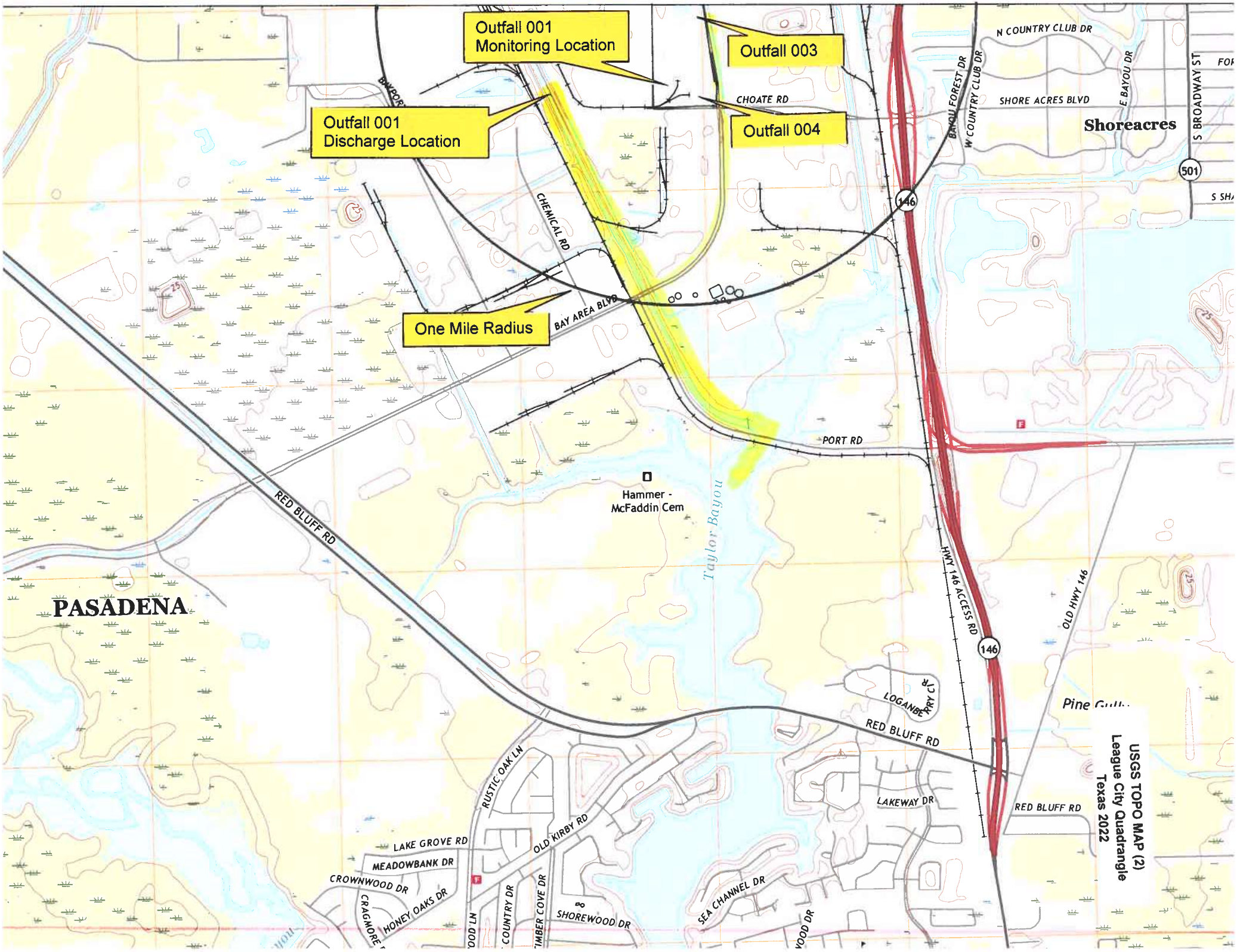
ROAD CLASSIFICATI

Expressway — Local

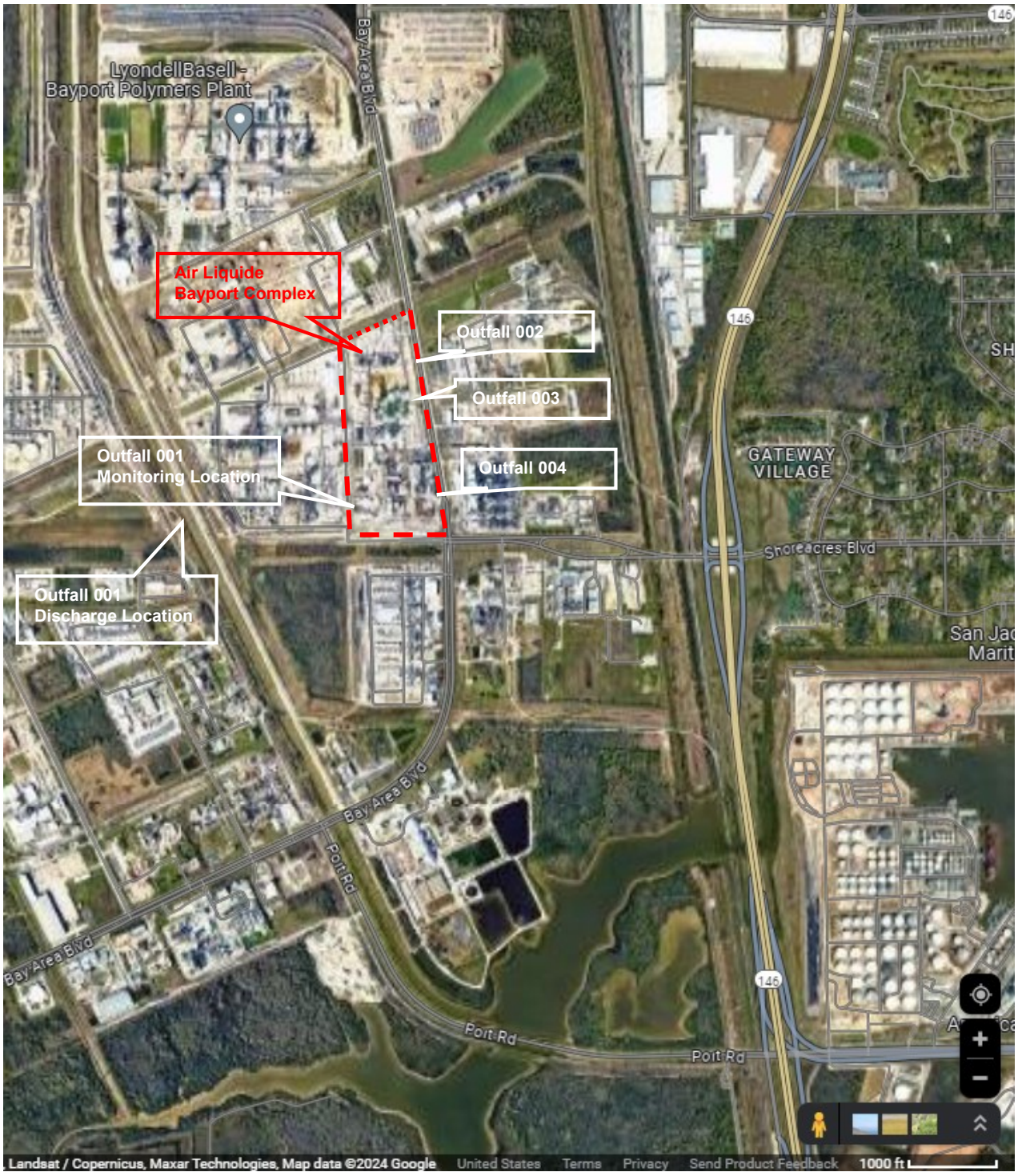
Secondary Hwy — Local

Ramp — 4WD

Interstate Route — US Route


Outfall 001
Monitoring Location
Outfall 003
Outfall 001
Discharge Location
Outfall 004
One Mile Radius
CHOATE RD
BAY AREA BLVD
CHEMICAL RD
PORT RD
RED BLUFF RD
Hammer -
McFaddin Cem
Taylor Bayou
PASADENA
N COUNTRY CLUB DR
BAYOU FOREST DR
W COUNTRY CLUB DR
E BAYOU DR
SHORE ACRES BLVD
Shoreacres
S BROADWAY ST
501
146
HWY 146 ACCESS RD
OLD HWY 146
LOGANBERRY DR
LAKEWAY DR
RUSTIC OAK LN
OLD KIRBY RD
LAKE GROVE RD
MEADOWBANK DR
CROWNWOOD DR
HONEY OAKS DR
CRAGMORE
COUNTRY DR
TIMBER COVE DR
SHOREWOOD DR
SEA CHANNEL DR
USGS TOPO MAP (2)
League City Quadrangle
Texas 2022

ATTCHMENT 5
GENERAL LOCATION MAP



Source: Google Maps - ©2024 Google

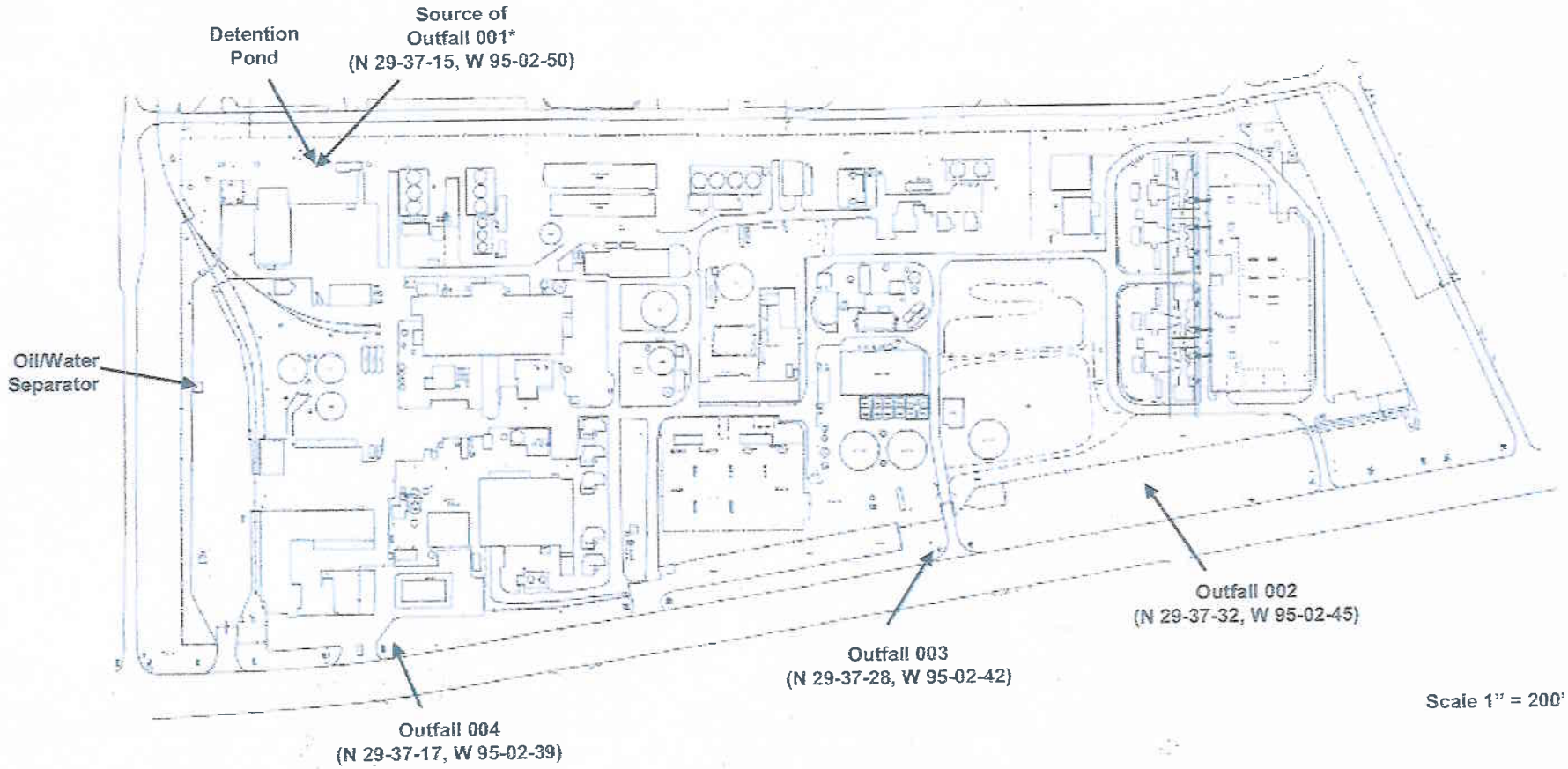
SITE LOCATION MAP

TPDES PERMIT NO. WQ0004330000 RENEWAL APPLICATION

Air Liquide Large Industries U.S. LP

11777 Bay Area Boulevard, Pasadena, Harris County, Texas 77507

ATTACHMENT 6
FACILITY MAP



*Outfall 001
(N 29-37-10, W 95-03-09)

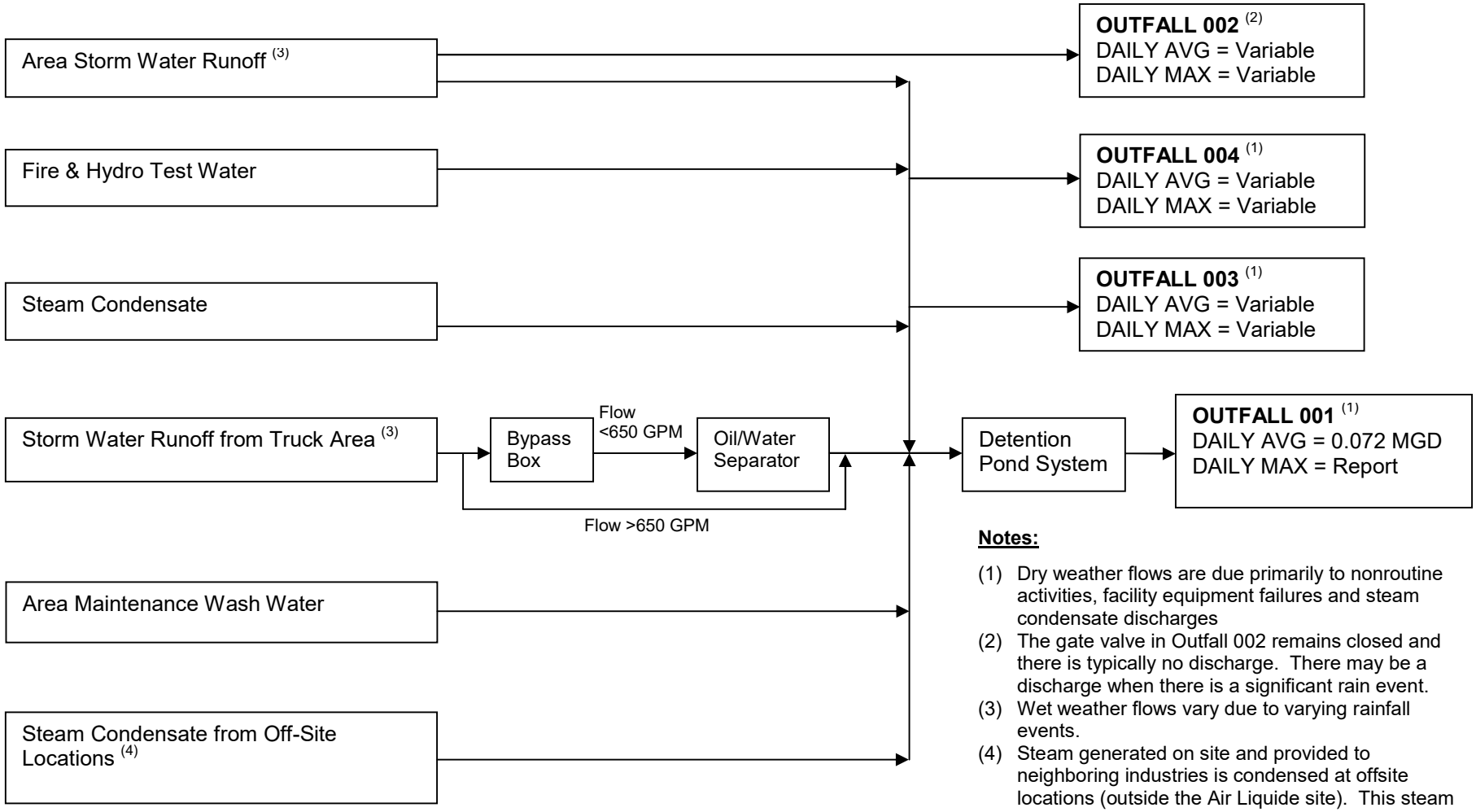
FACILITY MAP
TPDES Permit Renewal Application (2016)
Air Liquide Large Industries U.S. LP
11777 Bay Area Blvd., Pasadena, TX 77507

ATTACHMENT 7

WATER AND WASTEWATER FLOW SCHEMATIC DIAGRAM AND WATER BALANCE

WATER AND WASTEWATER FLOW SCHEMATIC DIAGRAM AND WATER BALANCE FOR TPDES PERMIT NO. WQ0004330000 (EPA ID NO. TX0102296) RENEWAL APPLICATION

Air Liquide Large Industries U.S. LP – Bayport Complex



Notes:

(1) Dry weather flows are due primarily to nonroutine activities, facility equipment failures and steam condensate discharges

(2) The gate valve in Outfall 002 remains closed and there is typically no discharge. There may be a discharge when there is a significant rain event.

(3) Wet weather flows vary due to varying rainfall events.

(4) Steam generated on site and provided to neighboring industries is condensed at offsite locations (outside the Air Liquide site). This steam condensate is returned pursuant to agreements and collected in the Detention Pond prior to discharge. The characteristics of this condensate is the same as the one collected within the Airgas site.

ATTACHMENT 8

OUTFALL NO. 004 – WASTE STREAM CONTRIBUTION IN ITEM NO. 4 OF INDUSTRIAL TECHNICAL REPORT 1.0

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Outfall No. 004

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Condensate, fire equipment test water	Miscellaneous	Approximately 10
Storm water	Varies	Approximately 90

Attachment:

Item 5. Blowdown and Once-Through Cooling Water Discharges (Instructions, Page 43)

a. Indicate if the facility currently or proposesto:

☐ Yes ☐ NoUse cooling towers that discharge blowdown or other wastestreams

☐ Yes ☐ NoUse boilers that discharge blowdown or other wastestreams

☐ Yes ☐ NoDischarge once-through cooling water

NOTE: If the facility uses or plans to use cooling towers or once-through cooling water, Item 12 **isrequired.**

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

ATTACHMENT 9

CONTRACTED LABORATORIES INFORMATION AND POLLUTANTS ANALYZED BY EACH LABORATORY

Air Lquide retained an environmental laboratory for the analyses of the pollutants required in Worksheet 2.0: Pollutant Analysis. The laboratory name and contact and the pollutants analyzed are presented below.

Laboratory Name:	ALS Environmental 10450 Stancliff Road, Suite 210 Houston, TX 77099 (281) 530-5656
Contact:	Andy Neir
Pollutants Analyzed:	ALS Environmental analyzed the pollutants listed in Tables 1, 2, 6, 8, 9 and 10 of Worksheet 2.0: Pollutant Analysis. ALS subcontracted Pace Analytical for the analysis of Hexavalent Chromium in Table 2.

Laboratory Name:	Pace Analytical 12065 Lebanon Road Mount Juliet, TN 37122-2508 (615) 758-5858
Contact:	Cassandra Foster
Pollutants Analyzed:	Hexavalent Chromium in Table 2 of Worksheet 2.0: Pollutant Analysis.

ATTACHMENT 10
TCEQ ePAY VOUCHER RECEIPT

TCEQ ePay Receipt

Transaction Information

Trace Number:	582EA000611632
Date:	05/24/2024 11:00 AM
Payment Method:	CC - Authorization 0000030167
ePay Actor:	GREG JOHNSON
TCEQ Amount:	$1,215.00
Texas.gov Price::	$1,242.59*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name:	GREG JOHNSON
Company:	AIR LIQUIDE
Address:	11777 BAY AREA BLVD, PASADENA, TX 77507
Phone:	281-889-4670

Cart Items

Voucher	Fee Description	AR Number	Amount
706837	WW PERMIT - MINOR FACILITY SUBJECT TO 40 CFR 400-471 - RENEWAL		$1,200.00
706838	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		$15.00
		TCEQ Amount:	**$1,215.00**