Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

Port Arthur LNG, LLC (PALNG) (CN604794834) operates Port Arthur LNG (RN104517826), a natural gas liquefaction plant and export terminal that is currently under construction. The facility is located at 3750 South Gulfway Drive, Port Arthur, in Jefferson County, Texas 77640. PALNG is currently permitted under TPDES Permit No. WQ000541100 which expires March 31, 2025. PALNG requests renewal of the existing TPDES Permit.

PALNG is authorized to discharge wastewater from four final outfalls (Outfalls 001, 002, 003, and 004) and one internal outfall (Outfall 101). Discharge from the outfalls is expected to be intermittent. Outfall 001 discharges consist of process wastewater, non-process wastewater, and storm water and the estimated average flow is less than 0.0008 million gallons daily (mgd). Outfalls 002, 003, and 004 discharges consist of non-process wastewater and storm water and estimated average flows are less than 1.08, 0.6, and 0.85 mgd, respectively. Outfall 101 is an internal outfall that discharges hydrostatic test wastewater with an estimated average flow of less than 0.00003. Outfall 101 is permitted to discharge via any of the four final outfalls.

Discharges from the facility may contain total residual chlorine, oil and grease, total suspended solids, total organic carbon, benzene, and BTEX. Monitoring for these parameters is required as a condition of the permit. The following are believed present but below minimum analytical levels (MALs): nitrate-nitrite, phosphorous, sulfate, chromium, copper, lead, nickel, zinc, cyanide, volatile compounds, acid compounds, and base-neutral compounds. PALNG will employ numerous structural controls and operational practices to minimize the potential for releases of pollutants. The facility will use containment ponds, concrete curbing, covered roof buildings, secondary containment dikes, drainage sumps, and oil booms to minimize pollutants from entering the drainage system. Discharges from the facility are not expected to have any adverse environmental on human health or the environment.

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

AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

Port Arthur LNG, LLC (PALNG) (CN604794834) opera Port Arthur LNG (RN104517826), una planta de licuefacción de gas natural y terminal de exportación que actualmente se encuentra en construcción. La planta está ubicada 3570 South Gulfway Drive, Port Arthur, en el Condado de Jefferson, Texas 77040. PALNG actualmente está autorizada bajo el Permiso TPDES N.˚ WQ000541100 que vence el 31 de marzo de 2025. PALNG solicita la renovación del Permiso TPDES existente.

PALNG está autorizada a descargar aguas residuales de cuatro emisarios finales (emisarios 001, 002, 003 y 004) y un emisario interno (emisario 101). Se espera que la descarga en los emisarios sea intermitente. Las descargas del emisario 001 consisten en aguas residuales de proceso, aguas residuales no procesadas y aguas pluviales, y el caudal promedio estimado es inferior a 0,0008 millones de galones diarios (mgd). Las descargas de los emisarios 002, 003 y 004 consisten en aguas residuales no procesadas y aguas pluviales, y los caudales promedio estimados son inferiores a 1,08, 0,6 y 0,85 mgd, respectivamente. El emisario 101 es un emisario interno que descarga aguas residuales de prueba hidrostática con un caudal promedio estimado inferior a 0,00003. El emisario 101 puede descargar a través de cualquiera de los cuatro emisarios finales.

Las descargas de la instalación pueden contener cloro residual total, aceite y grasa, sólidos suspendidos totales, carbono orgánico total, benceno y BTEX. El control de estos parámetros es una condición necesaria para el permiso. Se cree que los siguientes contaminantes están presentes, pero por debajo de los niveles analíticos mínimos (MAL): nitrato-nitrito, fósforo, sulfato, cromo, cobre, plomo, níquel, zinc, cianuro, compuestos volátiles, compuestos ácidos y compuestos neutros básicos. PALNG empleará numerosos controles estructurales y prácticas operativas para minimizar el potencial de liberación de contaminantes. La instalación utilizará estanques de contención, bordillos de hormigón, edificios con techos cubiertos, diques de contención secundarios, sumideros de drenaje y barreras de contención de petróleo para minimizar la entrada de contaminantes al sistema de drenaje. No se espera que los vertidos de la instalación tengan ningún efecto ambiental adverso sobre la salud humana o el medio ambiente.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0005411000

APPLICATION. Port Arthur LNG, LLC, 1500 Post Oak Boulevard, Suite 1000, Houston, Texas 77056, which owns a natural gas liquefaction plant and export terminal, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005411000 (EPA I.D. No. TX0134088) to authorize the discharge of treated wastewater and stormwater at an intermittent and flow-variable rate. The facility is located at 3750 South Gulfway Drive, Port Arthur, in Jefferson County, Texas 77640. The discharge route is from the plant site to Outfalls 001, 101, 002, 003, 004 discharge directly to Sabine-Neches Canal Tidal. TCEQ received this application on February 25, 2025. The permit application will be available for viewing and copying at Port Arthur Public Library, Reference Department, 4615 9th Avenue, Port Arthur, 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=-93.94891,29.785306&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 Port Arthur LNG, LLC at the address stated above or by calling Mr. Jim Thompson, Manager, Permitting and Compliance, at (832) 284-5685.

Issuance Date: March 28, 2025

Comisión de Calidad Ambiental del Estado de Texas

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

PERMISO NO. WQ0005411000

SOLICITUD. Port Arthur LNG, LLC, ubicada en 1500 Post Oak Boulevard, Suite 1000 Houston, Texas 77056 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0005411000 (EPA I.D. No. TX0134088) autorizar la descarga de aguas residuales y pluviales tratadas a tasa intermitente y de caudal variable. La planta está ubicada 3570 South Gulfway Drive, Port Arthur, en el Condado de Jefferson, Texas 77640. La ruta de descarga es desde el sitio de la planta hasta los emisarios 001, 101, 002, 003, 004 que descargan directamente al canal de mareas Sabine-Neches. La TCEQ recibió esta solicitud el 25 de febrero de 2025. La solicitud para el permiso está disponible para leerla y copiarla en Biblioteca Pública de Port Arthur, Departamento, de Referencia, 4615 9th Avenue, Port Arthur, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-93.94891,29.785306&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 DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. 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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional del Port Arthur LNG, LLC a la dirección indicada arriba o llamando a Jim Thompson al 832-284-5685.

Fecha de emisión 28 de marzo de 2025

Abesha Michael

From: Monica Eues <monica.eues@c-ka.com>
Sent: Wednesday, March 12, 2025 6:15 PM
To: Abesha Michael
Cc: Thompson, Jim
Subject: Application to Renew Permit No. WQ0005411000 - Notice of Deficiency Requested Information
Attachments: wq0005411000-NOD1.pdf; ind-tpdes-renew-nori (13).docx; NOD Response Notarized Submittal.pdf; 911 Confirmation _ 3570 S Gulfway Dr_ADDRESS UPDATE.pdf; TPDES Permit No. WQ0005411000 Site Address (South Gate)

Good afternoon Ms. Michael,
Thank you for taking the time to speak with me today regarding the renewal application for TPDES Permit No. WQ0005411000 and the subsequent notice of deficiency (wq0005411000-NOD1). Please see the response below to each of the items noted in the notice of deficiency.

Item 1: The South East Texas Regional Planning Commission provided confirmation of the facility address as 3570 S Gulfway Drive in the attached letter dated June 13, 2023 (911 Confirmation). The address provided on the Core Data Form, Administrative Report, Plain Language Summary, and Supplemental Permit Information Form of the TPDES permit renewal application is correct; therefore, revisions to these pages are not applicable. I've also attached my previous 3/6/25 email for your reference.

Item 2: Items 26 – 28 of the Core Data Form are not required when a street address is provided. The street address of 3570 Gulfway Drive was provided in Item 23 of the Core Data Form; therefore, completion of these items is not applicable.

Item 3: A signed and notarized original of page 10 of the Administrative Report has been sent via Federal Express for delivery to you by 3/14/25. I've attached a pdf (NOD Response Notarized Submittal) of the originals to this email for your reference.

Item 4: The portion of the NORI has been reviewed and no errors were noted. Please note that the daily average flow of 2,530, 800 was noted in the NORI as "pending confirmation". The value provided is confirmed, but is an estimate. The facility is under construction and has not discharged. The flow data is based on best professional judgement and historical rainfall data as was noted in the application.

Item 5: The translated Spanish NORI is attached as a Word doc per your request.

If you need any additional information to declare the permit application administratively complete, please do not hesitate to contact me. The permit expiration date is March 31, 2025 so I will expedite any requests you may have to ensure that the determination of administratively complete occurs prior to the permit expiration date.

Monica S. Eues
Environmental Scientist

CK Associates
Environmental Consultants

8591 United Plaza Blvd.
Suite 300

Baton Rouge, LA 70809
225-755-1000 Office
225-923-6946 Direct
225-281-1727 Cell
www.c-ka.com

From: Abesha Michael <Abesha.Michael@tceq.texas.gov>
Sent: Monday, March 3, 2025 11:40 AM
To: jdthompson@sempraglobal.com
Cc: Monica Eues <monica.eues@c-ka.com>
Subject: Application to Renew Permit No. WQ0005411000 - Notice of Deficiency Letter

Dear Mr. Thompson:

The attached Notice of Deficiency letter sent on March 3, 2025, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by March 17, 2025.

Thank you,

Abesha H. Michael
Applications Review & Processing Team
Water Quality Division Support Section
Water Quality Division, MC 148
PO Box 13087
Austin, Texas 78711
Phone: o: 512-239-4912
Email: abesha.michael@tceq.texas.gov

CK ASSOCIATES
Environmental Consultants

C-K ASSOCIATES, LLC
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THE WOODLANDS, TX
PHONE (281) 397-9016

LAKE CHARLES, LA
PHONE (337) 625-6577

SHREVEPORT, LA
PHONE (318) 797-8636

March 12, 2025

Abesha H. Michael
Texas Commission on Environmental Quality
Applications Review and Processing Team
Water Quality Division Support Section
Water Quality Division, MC 148
P.O. Box 13087
Austin, Texas 78711

RE: Response to Notice of Deficiency for TPDES Permit Renewal Application
Port Arthur LNG, LLC
PALNG Facility
TPDES Permit No. WQ0005411000

Dear Ms. Michael:

Port Arthur LNG, LLC (PALNG) received a Notice of Deficiency (NOD) via email on March 3, 2025 regarding the Texas Pollutant Discharge Elimination System (TPDES) permit renewal application submitted on February 25, 2025 for the PALNG facility located in Port Arthur, Texas. The NOD indicated that page 10 of the TCEQ Administrative Report (TCEQ-20893) must be submitted with a notarized signature. Please find enclosed a signed and notarized original of page 10 of the Administrative Report (TCEQ-20893) per your request.

If you have any questions or need additional information, please contact me at monica.eues@c-ka.com or (225) 755-1000.

Sincerely,
CK Associates

Monica S. Eues

Monica S. Eues
Water Quality Scientist

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(832) 284-5685		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

Port Arthur LNG, LLC

23. Street Address of the Regulated Entity: ***(No PO Boxes)***								
	3570 S Gulfway Drive							
	City	Port Arthur	**State**	TX	**ZIP**	77640	**ZIP + 4**	
24. County	Jefferson							

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

25. Description to Physical Location:	The site is located on State Highway 87 (S Gulfway Drive), approximately 5.3 miles south of the intersection of state highway 82 and state highway 87 near the city of Port Arthur in Jefferson County, Texas

26. Nearest City	State	Nearest ZIP Code
Port Arthur	TX	77640

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:		
29.795			-93.795		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	47	42	93	57	3.6

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)
4922	N/A	221210	N/A

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

Natural gas liquifaction and export.

34. Mailing Address:								
	1500 Post Oak Blvd., Suite 1000							
	City	**Houston**	**State**	**TX**	**ZIP**	**77056**	**ZIP + 4**	
35. E-Mail Address:	**jdthompson@sempraglobal.com**							

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(832) 284-5685	**N/A**	( ) -

e. Plain Language Summary Template

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

Attachment: 3

f. Public Involvement Plan Form

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

Attachment: N/A

8. REGULATED ENTITY AND PERMITTED SITE INFORMATION (Instructions Page 11)

If the site of your business 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[4] to determine the RN or to see if the larger site may already be registered as a regulated site:

If the site is found, provide the assigned RN and the information for the site to be authorized through this application below. The site information for this authorization may vary from the larger site information.

a. TCEQ issued Regulated Entity Number (RN): **RN**104517826

b. Name of project/site/facility (the name known by the community where located): Port Arthur LNG

c. Provide an address for the facility or a description of the facility location using the proximity of the facility to the nearest intersection: 3570 S Gulfway Drive, Port Arthur, TX 77640. (The PALNG site is located on State Highway 87 (S Gulfway Drive), approximately 5.3 miles south of the intersection of state highway 82 and state highway 87.)

d. 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.

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

9. TDPES DISCHARGE INFORMATION (Instructions, Page 12)

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

☐ Yes ☒ No

[4] http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch

11. SIGNATURE PAGE (Instructions, Page 15)

Applicant Name: Port Arthur LNG, LLC

Certification:

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

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

Signatory name (typed or printed): Jim Thompson

Signatory title: Manager, Permitting and Compliance

Signature: _____ Date: 03/06/2025

(Use blue ink)

Subscribed and Sworn to before me by the said Heather K. DADING

on this March day of 6th, 20 25.

My commission expires on the October day of 2nd, 20 26.

_____
Notary Public

HEATHER K DADING
Notary ID #129973466
My Commission Expires
October 2, 2026
SEAL

Harris
County, Texas

If a co-applicant is necessary, each entity must submit an original, separate signature page.

CN604794834 Affiliation with RN104517826

Customer Information

CN Number: CN604794834 ...
Last Update Date: 04/13/2015
Name: PORT ARTHUR LNG LLC
Legal Name: Port Arthur LNG, LLC
Customer Type: CORPORATION

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

Affiliation Information

Customer Role(s): OWNER OPERATOR
Begin Date: 03/31/2015
End Date:

Regulated Entity Information

RN Number: RN104517826 ...
Name: PORT ARTHUR LNG
Primary Business: CONSTRUCTION LNG LIQUEFACTION & TERMINAL
Street Address: No street address on file.
County: JEFFERSON
Nearest City: PORT ARTHUR
State: TX
Near ZIP Code: 77640
Physical Location: 3570 S GULFWAY DR

Emergency Network

South East Texas
Regional Planning Commission

Tuesday, June 13, 2023

TO WHOM IT MAY CONCERN:

This letter is to inform you of your 9-1-1 Address in Jefferson County, Texas. For your records, please show that the following address is valid and correct for: **Port Arthur LNG, LLC** and **Bechtel Energy, Inc.**

PLEASE NOTE PROPERTY UNDERWENT AN ADDRESS REASSIGNMENT

CURRENT ADDRESS
3570 S GULFWAY DR
PORT ARTHUR, TX 77640

PREVIOUS ADDRESS
3571 S GULFWAY DR
PORT ARTHUR, TX 77640

For Port Arthur LNG – South Gate

If you have any questions concerning this address, please contact me at 409-899-8444 EXT 6105 OR 409-347-1911 – Option 1.

Sincerely,

Lila Rueda-Junious

Lila Rueda-Junious
Geographic Information Specialist I
9-1-1 Emergency Network

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: _____Renewal _____Major Amendment ____Minor Amendment _____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

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

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

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

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

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

The following applies to all applications:

1. Permittee: Port Arthur LNG, LLC

   Permit No. WQ00 005411000 EPA ID No. TX 0134088

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

   The address for the project site south gate is 3570 S Gulfway Drive, Port Arthur, TX 77640 (The site is located on State Highway 87 (S Gulfway Drive), approximately 5.3 miles south of the intersection of state highway 82 and state highway 87 near the city of Port Arthur in Jefferson County, Texas.)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

Port Arthur LNG, LLC (PALNG) (CN604794834) operates Port Arthur LNG (RN104517826), a natural gas liquefaction plant and export terminal that is currently under construction. The facility is located at State Highway 87 (S Gulfway Drive), approximately 5.3 miles south of the intersection of State Highway 87 and State Highway 82), in Port Arthur, Jefferson County, Texas 77640. PALNG is currently permitted under TPDES Permit No. WQ000541100 which expires March 31, 2025. PALNG requests renewal of the existing TPDES Permit.

PALNG is authorized to discharge wastewater from four final outfalls (Outfalls 001, 002, 003, and 004) and one internal outfall (Outfall 101). Discharge from the outfalls is expected to be intermittent. Outfall 001 discharges consist of process wastewater, non-process wastewater, and storm water and the estimated average flow is less than 0.0008 million gallons daily (mgd). Outfalls 002, 003, and 004 discharges consist of non-process wastewater and storm water and estimated average flows are less than 1.08, 0.6, and 0.85 mgd, respectively. Outfall 101 is an internal outfall that discharges hydrostatic test wastewater with an estimated average flow of less than 0.00003. Outfall 101 is permitted to discharge via any of the four final outfalls.

Discharges from the facility may contain total residual chlorine, oil and grease, total suspended solids, total organic carbon, benzene, and BTEX. Monitoring for these parameters is required as a condition of the permit. The following are believed present but below minimum analytical levels (MALs): nitrate-nitrite, phosphorous, sulfate, chromium, copper, lead, nickel, zinc, cyanide, volatile compounds, acid compounds, and base-neutral compounds. PALNG will employ numerous structural controls and operational practices to minimize the potential for releases of pollutants. The facility will use containment ponds, concrete curbing, covered roof buildings, secondary containment dikes, drainage sumps, and oil booms to minimize pollutants from entering the drainage system. Discharges from the facility are not expected to have any adverse environmental on human health or the environment.

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

AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

Port Arthur LNG, LLC (PALNG) (CN604794834) opera Port Arthur LNG (RN104517826), una planta de licuefacción de gas natural y terminal de exportación que actualmente se encuentra en construcción. La instalación está ubicada en la Carretera Estatal 87 (S Gulfway Drive), aproximadamente a 5.3 millas al sur de la intersección de la Carretera Estatal 87 y la Carretera Estatal 82), en Port Arthur, Condado de Jefferson, Texas 77640. PALNG actualmente está autorizada bajo el Permiso TPDES N.˚ WQ000541100 que vence el 31 de marzo de 2025. PALNG solicita la renovación del Permiso TPDES existente.

PALNG está autorizada a descargar aguas residuales de cuatro emisarios finales (emisarios 001, 002, 003 y 004) y un emisario interno (emisario 101). Se espera que la descarga en los emisarios sea intermitente. Las descargas del emisario 001 consisten en aguas residuales de proceso, aguas residuales no procesadas y aguas pluviales, y el caudal promedio estimado es inferior a 0,0008 millones de galones diarios (mgd). Las descargas de los emisarios 002, 003 y 004 consisten en aguas residuales no procesadas y aguas pluviales, y los caudales promedio estimados son inferiores a 1,08, 0,6 y 0,85 mgd, respectivamente. El emisario 101 es un emisario interno que descarga aguas residuales de prueba hidrostática con un caudal promedio estimado inferior a 0,00003. El emisario 101 puede descargar a través de cualquiera de los cuatro emisarios finales.

Las descargas de la instalación pueden contener cloro residual total, aceite y grasa, sólidos suspendidos totales, carbono orgánico total, benceno y BTEX. El control de estos parámetros es una condición necesaria para el permiso. Se cree que los siguientes contaminantes están presentes, pero por debajo de los niveles analíticos mínimos (MAL): nitrato-nitrito, fósforo, sulfato, cromo, cobre, plomo, níquel, zinc, cianuro, compuestos volátiles, compuestos ácidos y compuestos neutros básicos. PALNG empleará numerosos controles estructurales y prácticas operativas para minimizar el potencial de liberación de contaminantes. La instalación utilizará estanques de contención, bordillos de hormigón, edificios con techos cubiertos, diques de contención secundarios, sumideros de drenaje y barreras de contención de petróleo para minimizar la entrada de contaminantes al sistema de drenaje. No se espera que los vertidos de la instalación tengan ningún efecto ambiental adverso sobre la salud humana o el medio ambiente.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0005411000

APPLICATION. Port Arthur LNG, LLC, 1500 Post Oak Boulevard, Suite 1000, Houston, Texas 77056, which owns a natural gas liquefaction plant and export terminal, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005411000 (EPA I.D. No. TX0134088) to authorize the discharge of treated wastewater and stormwater at a volume not to exceed an annual average flow of 2,530,800 gallons per day. The facility is located on State Highway 87 (South Gulfway Drive), approximately 5.3 miles south of the intersection of state highway 82 and state highway 87, near the city of Port Arthur, in Jefferson County, Texas 77640. The discharge route is from the plant site to Outfalls 001, 101, 002, 003, 004 discharge directly to Sabine-Neches Canal Tidal. TCEQ received this application on February 25, 2025. The permit application will be available for viewing and copying at Port Arthur Public Library, Reference Department, 4615 9th Avenue, Port Arthur, 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=-93.94891,29.785306&level=18

The application is subject to the goals and policies of the Texas Coastal Management Program and must be consistent with the applicable Coastal Management Program goals and policies.

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 Port Arthur LNG, LLC at the address stated above or by calling Mr. Jim Thompson, Manager, Permitting and Compliance, at (832) 284-5685.

Issuance Date: [Month Day, Year]

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. WQ0005411000

SOLICITUD. Port Arthur LNG, LLC, ubicada en 1500 Post Oak Boulevard, Suite 1000 Houston, Texas 77056 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0005411000 (EPA I.D. No. TX0134088) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,530,800 galones por día. La planta está ubicada 3570 S Gulfway Drive, Port Arthur, Texas en el Condado de Jefferson, Texas. La ruta de descarga es del sitio de la planta directa o indirectamente a través de las tuberías de desagüe de la bomba ubicadas en el lado este de la instalación hacia el Canal Sabine-Neches (Canal de Barcos) (Segmento 0703). La TCEQ recibió esta solicitud el 25 de febrero de 2025. La solicitud para el permiso está disponible para leerla y copiarla en Biblioteca Pública de Port Arthur, Departamento de Referencia, 4615 9th Avenue, Port Arthur, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-93.94891,29.785306&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 DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. 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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional del Port Arthur LNG, LLC a la dirección indicada arriba o llamando a Jim Thompson al 832-284-5685.

Fecha de emisión _____ *[Date notice issued]*

AT&T 2:39 PM 91%

87 TEXAS

Port Arthur

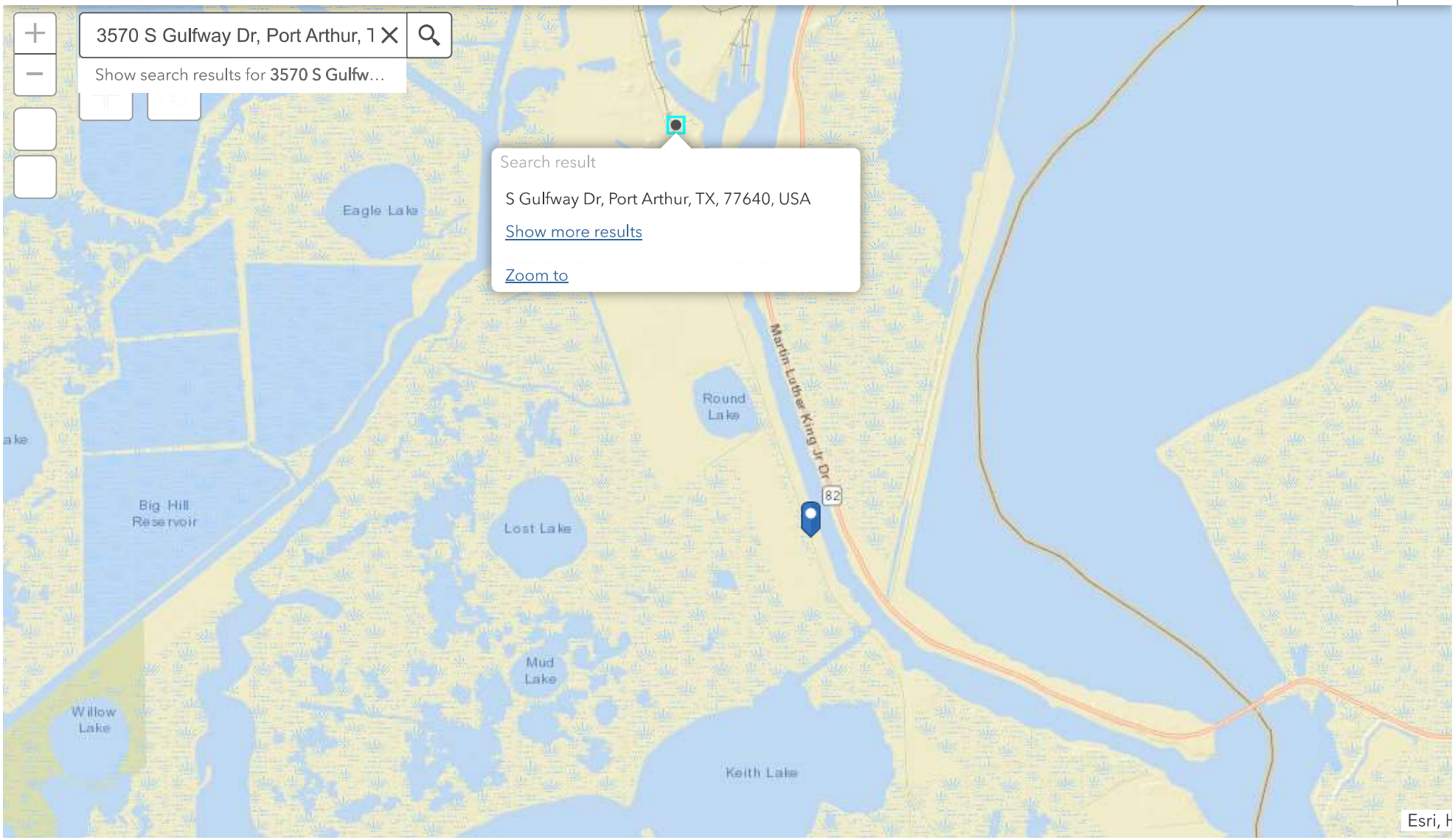
N

3570 S
Gulfway Dr

67°
AQI 31

3570 S Gulfway Dr

Address · Jefferson County, Texas



1mi

-93.902 29.779 Degrees

Port Arthur LNG

Jim Thompson
Manager, Permitting & Compliance
1500 Post Oak Blvd., Suite 1000
Houston, TX 77056
jdthompson@sempraglobal.com

February 21, 2025

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

RE: TPDES Permit Renewal Application
Port Arthur LNG, LLC
PALNG Facility
TPDES Permit No. WQ0005411000

Dear Sir or Madame:

Port Arthur LNG, LLC (PALNG) herewith submits one original and two copies of the Texas Pollutant Discharge Elimination System (TPDES) permit renewal application for the PALNG facility located in Port Arthur, Texas. The TPDES permit renewal application includes the Texas Commission on Environmental Quality TCEQ forms TCEQ Administrative Report (TCEQ-20893), TCEQ Technical Report (TCEQ-10055), TCEQ Core Data Form (TCEQ-10400) in addition to the supporting information provided in worksheets, tables, figures, and attachments.

PALNG is currently permitted under TPDES Permit No. WQ0005411000. This permit was originally issued by the United States Environmental Protection Agency (USEPA) and authorized under the National Pollutant Discharge Elimination System (NPDES) as NPDES Permit No. TX0134088 on February 28, 2020 and became effective on April 1, 2020. Jurisdiction over the NPDES permit was transferred to the TPDES program per the Memorandum of Agreement between TCEQ and the USEPA, Region 6 in 2021. The TPDES permit retained the original permit term and expires on March 31, 2025.

According to Texas Administrative Code (TAC) Section 305.65, TPDES permit renewal applications must be submitted at least 180 days prior to the expiration of the TPDES permit in order for the existing permit to be administratively continued beyond the expiration date unless an extension is granted by the state administrative authority. PALNG submitted a request to extend the application due date, which was granted in an email from TCEQ dated January 29, 2025. Per the referenced email, the permit renewal application is due to TCEQ by February 28, 2025.

If you have any questions or need additional information, please contact me at (832) 284- 5685 or Monica Eues of CK Associates at (225) 755-1000.

Sincerely,

Jim Thompson
Manager, Permitting and Compliance

TPDES PERMIT RENEWAL APPLICATION

TPDES Permit No. WQ0005411000

Port Arthur LNG, LLC

Port Arthur, Texas

February 2025

Prepared by:

CK ASSOCIATES
Environmental Consultants
8591 United Plaza Blvd.
Suite 300
Baton Rouge, LA 70809

CK Project Number: PJ001035

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1.0 INTRODUCTION

1.1 General Overview

Port Arthur LNG, LLC plans to operate a state-of-the-art natural gas liquefaction plant and export terminal located near Port Arthur in Jefferson County, Texas. The plant, currently under construction, will consist of two (2) liquefaction trains, each capable of an export capacity of 5.84 million metric tonnes per annum (MTPA) of liquified natural gas (LNG). There will be one (1) propane and one (1) mixed refrigerant refrigeration compressor turbine per train. Each of the trains will be equipped with an Acid Gas Removal Unit (AGRU) that utilizes an amine treatment process for acid gas removal. Emissions from the AGRUs will be controlled using thermal oxidizers. LNG will be stored in two (2) storage tanks and loaded onto marine vessels for export at the marine berthing area. The liquefaction plant and export terminal are collectively referred to as PALNG.

In addition to this introduction, this permit renewal application narrative includes the following additional sections:

- Section 2 – Facility Process Description;
- Section 3 – Wastewater Generation, Treatment, and Discharge;
- Section 4 – Storm Water Drainage, Management, and Discharge;
- Section 5 – Outfall Discharge Characterization; and
- Section 6 – Requested Permit Conditions.

The information provided in this narrative should be considered in conjunction with the completed Texas Commission on Environmental Quality (TCEQ) Administrative Report – TCEQ-20893 (Appendix A), TCEQ Technical Report – TCEQ-10055 (Appendix B), and TCEQ Core Data Form – TCEQ-10400 (Appendix C), and additional supporting information provided in tables and figures.

1.2 Facility Location

The LNG Facility is located near Port Arthur in Jefferson County, Texas along the west side of the Sabine-Neches Ship Channel. The site location map depicts the PALNG Facility property boundary in Figure 1. The PALNG Facility occupies a total of approximately 488 acres. The north property line of the LNG Facility lies south of the Gulf Intracoastal Waterway (GIWW) and east of TX Highway 87.

Information regarding registered water wells within a 1/2-mile radius of the PALNG Facility was obtained by querying the Texas Water Development Board (TWDB) database. No springs have been identified on or within 150 feet of the project site. The TWDB inquiry indicated no registered water wells within the 1/2-mile radius of the facility. Plugged and

abandoned wells, destroyed wells, monitoring wells, test holes, piezometers, observation wells, boreholes, excavated wells, and environmental recovery wells are not included as part of this inventory.

1.3 Facility Background

In 2005, an LNG import terminal was proposed on the same site as the aforementioned project. Flexible Permit No. 74485 was issued August 30, 2005 to PALNG, LP (Customer Reference Number CN602779241) to authorize an LNG import terminal for the importation, storage, and re-gasification of LNG. An 18-month extension for start of construction was issued by the TCEQ on November 15, 2006. Construction did not commence on the LNG import terminal prior to the end of the 18-month extension; therefore, Flexible Permit No. 74485 was voided on May 15, 2008 pursuant to Texas Administrative Code Title 30 (30 TAC) Section 116.120(a)(1). PALNG received authorization to discharge under the National Pollutant Discharge Elimination System (NPDES Permit No. TX0134088) effective April 1, 2020. Jurisdiction over the NPDES permit was transferred to TCEQ per the Memorandum of Agreement (MOA) between the TCEQ and the U.S. Environmental Protection Agency (USEPA), Region 6 dated January 15, 2021. The TPDES Permit was assigned Permit No. WQ0005411000 and retained the original NPDES permit expiration date, March 31, 2025. Construction on the PALNG project began in March 2024. PALNG has not discharged under Permit No. WQ0005411000 or any of the above mentioned permits to date.

1.4 Regulatory and Permitting Background

The PALNG Facility Standard Industrial Classification (SIC) Code is 4922, Natural Gas Transmission. PALNG's permit authorizes the discharge of wastewater from a total of four (4) final outfalls: Outfalls 001, 002, 003, and 004 and a single internal outfall: Outfall 101. The outfall locations (except for Outfall 101 for hydrostatic test wastewater which can be discharged through any final permitted outfall) are depicted on the plot plan and surface drainage map (Figure 2).

1.4.1 Technology-Based Effluent Limitations

Regulations promulgated at Title 40, Code of Federal Regulations (CFR) Part 122.44(a) (40 CFR 122.44(a)) require Technology-Based Effluent Limitations (TBELs) to be placed in NPDES permits based on effluent limitation guidelines where applicable, or Best Professional Judgement (BPJ) in the absence of guidelines, or on a combination of the two. The PALNG Facility (Terminal and Liquefaction) is not subject to any of the effluent limitation guidelines for point source categories at 40 CFR 400 – 471.

1.4.2 Water Quality-Based Effluent Limitations

Toxic parameters requiring Water Quality-Based Effluent Limitations (WQBELs) in order to be protective of the Sabine-Neches Waterway (Ship Channel) receiving waters

Segment 0703 were not identified. PALNG does not anticipate that any WQBELs will be required because of LNG operations included in this TPDES permit application.

1.4.3 Whole Effluent Toxicity Testing

Whole Effluent Toxicity (WET) Testing is required quarterly on Outfalls 001, 002, 003, and 004 as a condition of the permit. PALNG is under construction and not yet operational; therefore, there have been no discharges. PALNG does not believe any of the LNG terminal or train manufacturing operations warrant WET testing to be protective of the receiving stream designated uses and water quality standards.

1.4.4 316(b) Applicability

PALNG does not own or operate a Cooling Water Intake Structure (CWIS) to support manufacturing operations. Surface water is withdrawn from the Sabine-Neches Waterway (Ship Channel) for firefighting purposes only. PALNG will obtain its source water from the City of Port Arthur public water supply system to satisfy the LNG Facility water demands. Therefore, PALNG is not subject to the CWIS requirements under Section 316(b) of the Clean Water Act (CWA).

1.4.5 Environmental Assessment Statement

The PALNG Facility is a minor source for the discharge of wastewater and storm water from industrial activities. The PALNG Facility's minor source status was determined by completing the NPDES Permit Rating Worksheet. The PALNG Facility was assigned 5 total rating points. A major facility would be assigned 80 or more total rating points. Therefore, with minor facility status PALNG is not required to respond to Environmental Assessment Statement questions as part of this TPDES permit application.

2.0 FACILITY PROCESS DESCRIPTION

The PALNG Facility consists of two integral parts: Terminal operations and Liquefaction operations. Two liquefaction trains will process pipeline quality natural gas (NG) into LNG. The berths at the terminal will be used to load LNG ships for export. The Terminal portion of the LNG Facility consists of the following major operations:

- Two marine berths capable of accommodating Q-Flex-sized LNG ships for loading and un-loading LNG operations;
- Three 160,000 cubic meter (m^3) full containment LNG storage tank;
- Capture and compression of Boil-Off Gas (BOG system) back into the LNG tanks;
- Elevated flares;
- Stand-by power generation; and
- Support activities including administrative services, operations, warehousing, chemical and oil storage, equipment and general maintenance, and waste management activities.

Liquefaction operations process pipeline quality NG into LNG for export and include the following major operations:

- Two liquefaction trains, each with a production capacity sufficient to produce 5.84 MTPA of LNG for export;
- 160,000 m^3 full containment LNG storage tanks (located adjacent to the liquefaction trains);
- Truck loading/unloading operations;
- Refrigerant make-up storage tanks;
- Three C5+ condensate storage tanks;
- Three ground flare enclosures;
- Various emission control equipment and systems;
- Construction dock;
- One electrical power transmission and switch yard;
- Potable water, service water, demineralized water and firewater distribution systems;
- Sanitary and oily wastewater effluent treatment systems;
- Utilities/Systems; and
- Support activities including operations/control rooms, facility maintenance, fabrication, equipment storage, emergency response, maintenance and repair, warehousing, engineering and construction management, and construction contractor facilities.

An overview of the PALNG Facility operations is provided below.

2.1 Terminal Operations

Marine Facilities

The marine facilities consist of four 16-inch loading/unloading arms per berth; two arms dedicated to unloading/loading and two hybrid arms which can be placed in either vapor or liquid service. Each unloading arm is fitted with two isolation valves and a Powered Emergency Release Coupling (PERC) installed between two isolation valves. The PERC system protects the unloading arms and the ship manifold in case the range of movement is exceeded. Each arm is operated by a hydraulic system and a counter-weight to provide rapid disconnection. Unloaded or loaded LNG travels through a header pipe system between the LNG storage tanks and ship.

While docked at the berth, PALNG does not provide any services to the ship. PALNG does not handle or otherwise take for treatment and disposal of any bilge, ballast or void water, sanitary wastewater, etc. The ship is required to make arrangements for such services through an appropriate third-party vendor. PALNG does accommodate vendor access to service docked ships.

LNG Storage Tanks

Three (3) full containment LNG storage tanks are designed to hold 160,000 m^3 each of LNG at a temperature of -260 degrees Fahrenheit (°F) under low positive pressure. The LNG storage tank is of double-wall design with primary and secondary containment. The inner primary containment holds the cryogenic liquid. The secondary containment is designed to hold the liquid contents as well as controlling any vapor resulting from product release from the primary containment. The LNG storage tanks are insulated to maintain the core temperature while maintaining the outer container at or near ambient temperature. All piping into and out of the LNG storage tank enter from the top. The tank platform is equipped with an automatic deluge spray system for fire protection.

Vapor Handling System

LNG vaporizes while in storage because of ambient heat input, barometric pressure changes, pumping, or other factors. The vapor handling system recovers and condenses these vapors often referred to as BOG. Recovered vapors from the LNG storage tank are compressed by the LNG Terminal BOG compressors and then passed to a re-condenser system where it will be condensed.

During LNG ship loading and unloading procedures, vapors are also released from the LNG storage tank as the ship or LNG storage tank are being filled. During unloading, a portion of this vapor will be returned to the ship using vapor return blowers. The BOG compressors will be used to handle vapors in the LNG storage tank during ship loading operations.

Standby Power

PALNG includes three (3) Standby Generators (EPNs ENG-GEN-1 through ENG-GEN-3). The generators are driven by diesel engines. There is one (1) diesel day tank for each of the generators. Each generator engine's normal operation is to operate one hundred (100) hours per year for maintenance and testing.

Support Facilities

Support facilities including, but are not necessarily limited to: administrative services, operations, control rooms, emission controls, warehousing, chemical storage, equipment and general maintenance, and waste management activities.

2.2 Liquefaction Operations

Production of LNG involves taking pipeline quality NG, removing moisture and impurities, and cooling and compressing the clean NG until it liquefies, storage of LNG, and loading LNG onto ships for export to other markets. The text below provides an overview of key operations associated with the LNG process.

2.2.1 Heavy Hydrocarbon Removal Unit

The heavy hydrocarbons (pentanes plus) are removed upstream of the liquefaction process. These constituents are removed to prevent freezing and plugging of the main cryogenic heat exchanger. This unit includes heat exchangers and a turbo expander to condense Natural Gas Liquids (NGLs) from the NG feed stream and then uses a de-ethanizer and de-butanizer to produce a stabilized condensate product, which is stored in the C5+ Storage Tanks, sold, and transported off site for use by a third party. The lighter NGLs from the de-ethanizer and de-butanizer overhead streams are re-injected back into the gas stream prior to liquefaction, respectively. This unit is not expected to generate any process-related wastewater.

2.2.2 Feed Gas Treatment

The feed gas for the liquefaction trains will be pipeline quality NG. Even though the quality of this gas meets interstate pipeline gas specifications, small amounts of impurities will need to be removed prior to liquefaction. Each LNG train will have its own dedicated feed gas pre-treatment system that includes the following:

- Inlet Gas Conditioning;
- Mercury Adsorbers;
- NG Cleanup System;
- Acid Gas Removal Unit (AGRU) (for CO2 Removal); and
- Dehydration Unit.

Details about the feed gas treatment unit are discussed in the text below.

Inlet Gas Conditioning

Inlet gas conditions include inlet feed gas metering, a coalescer for filtration of solids and water droplet removal, and a control valve station to reduce and regulate inlet pressure. This unit is not expected to generate any process-related wastewater.

Mercury Removal Unit

Mercury naturally occurs at very low trace concentrations in NG. Mercury will condense during the LNG cooling process and collect at low points in the process equipment forming an amalgamate with aluminum; therefore, the mercury will be removed in a Mercury Removal Unit. This unit will utilize a sulfur-impregnated carbon-based adsorbent, which converts elemental mercury to mercuric sulfide. This material is stable and will not release mercury under normal conditions. This unit is not expected to generate any process-related wastewater.

Hydrogen Sulfide Removal

The Hydrogen Sulfide (H2S) in the acid gas stream will be adsorbed in an H2S scavenger bed. H2S is removed using a solid adsorbent, which results in a stable waste material disposed of in a non-hazardous landfill. The solid adsorbent is contained in multiple vessels per LNG train. As the adsorbent is used up, individual vessels are isolated, and the adsorbent is emptied and recharged while the rest of the unit remains on-line. This unit is not expected to generate any process-related wastewater.

NG Cleanup System

The NG Cleanup System consists of two units: Acid Gas Removal and Dehydration. The system description is provided below.

- AGRU – Carbon Dioxide (CO2) concentrations greater than 50 parts per million (ppm) will freeze once entering the LNG Train. CO2 will be removed in the Amine Unit of the AGRU, which uses amine (50% wt Methyl-diethanolamine (MDEA)/piperazine) in water as an absorbent. The amine solution absorbs the CO2 and is then regenerated. Fresh demineralized water and recovered water from the Dehydration Unit are sent to a Recovered Water Tank to be recycled to the Amine Regenerator within the AGRU. CO2 removal occurs in the Dehydration Unit.

- Dehydration Unit – At low temperatures water vapor in the NG feed stream will freeze and plug the heat exchanger tubes. Water vapor will be removed from the natural gas by the following steps in the Dehydration Unit:

1. Drier Feed Gas Knock Out Drum;
2. Dehydration Unit Drier Feed Gas Coalescer;
3. Molecular Sieve Drier;
4. Drier Regen Gas Cooler; and
5. Drier Regen Gas Separator.

Captured water is routed to a Recovered Water Tank where it passes through activated carbon units and filter prior to being recycled back into the AGRU as shown on Figure 3.

2.2.3 Liquefaction Units

The conditioned and dry NG exiting the NG Treatment System is routed to the LNG Train where it is contacted with progressively cooler refrigerants. At each stage of the process the NG becomes cooler until it is totally condensed into LNG. The refrigerants employed to cool the NG are propane and mixed refrigerant (MR). The MR is composed of nitrogen and a mixture of light hydrocarbons. The propane refrigerant is used to pre-cool the feed gas and the MR is used to achieve the liquefaction temperature. This unit is not expected

to generate any process-related wastewater. Oily wastewater from liquefaction operational equipment will be collected and stored in a tank for offsite disposal.

2.3 LNG Storage Tanks

There are currently three (3) full containment LNG storage tanks proposed. Tank draw waters are not expected from the LNG storage tanks. Locations of the LNG storage tanks is shown on Figure 2.

2.4 Refrigerant Storage

Refrigerants required for the liquefaction process will be unloaded from trucks and stored on site in tanks for use as needed for make-up. Refrigerants will include propane (Ashrae R-290 or equivalent) and ethylene (Ashrae R-1150 or equivalent). Make-up storage will be common to all LNG trains. Tank draw waters are not expected from the refrigerant make-up storage tanks.

2.5 Condensate Product Storage

Stabilized condensate product from the Heavy Hydrocarbon Unit will be stored in the C5+ Storage Tanks included as part of the Liquefaction operations. Tank draw waters are not expected from the condensate product storage tanks. Stabilized condensate product will be sold and loaded onto tanker trucks for transport offsite.

2.6 Truck Loading/Unloading

The truck loading/unloading facility will serve to unload make-up refrigerant brought to the site and will also load condensate product stored on site for delivery into the market place. The area where loading/unloading connections are made is curbed for secondary containment, which can also drain to the Refrigerant Storage Basin.

Diesel fuel will be periodically delivered and unloaded to storage tanks in curbed areas nearby to standby electrical generation units. Amine and hot oil (Therminol 59®) are also delivered and unloaded to storage tanks in curbed areas near the refrigerant storage area and liquid nitrogen in the utility area, as needed. Loading may also occur at the slop oil tank and the C5+ Storage Tanks for shipping these materials off-site for recycling/reuse/sales. Deliveries of both dry and liquid materials and/or chemicals needed to support the PALNG Facility operations will be made throughout the site to many of the support facilities and may include dry materials and liquids ranging from quart-size containers to large totes or in bulk storage tanks.

2.7 Construction Dock

The construction dock provides for barge delivery of LNG train process equipment too heavy or large to be transported on public highways. The dock will be served by the

Sabine-Neches Waterway (Ship Channel) and is located so as not to affect other ship traffic.

2.8 Electrical Power

The facility will utilize up to seven (7) GE PGT25+G4 combustion turbine generators (or equivalent) for self-generation of electrical power. Each combustion turbine generator will be operated in simple cycle mode and is capable of producing a nominal 34 megawatts (MW) of electricity. Selective Catalytic Reduction (SCR) will be installed and operated to minimize emissions of NOx from the combustion turbine generators. An oxidation catalyst will be installed and operated to minimize emissions of CO from the combustion turbine generators. Aqueous ammonia (approximately 19 wt%) will be utilized as the reagent for the SCR.

2.9 Utilities/Systems

The Liquefaction operations have several major utilities and systems including, but not necessarily limited to the following:

- BOG System;
- Hot Oil System;
- Tempered Water System;
- Emission Controls;
- Instrument and Utility Air;
- Nitrogen System;
- Water Supply;
- Water Treatment System (WTS); and
- Backup Power.

Below is a summary of each utility or system.

<u>BOG System</u>

BOG will be generated from the proposed Liquefaction operations due to heat transfer into system components, LNG run down into LNG storage tanks, and from vapor return associated with ship loading. The BOG will be compressed and sent to the fuel gas system with excess BOG being recycled back to the front end of the liquefaction process. This unit is not expected to generate any process-related wastewater.

<u>Hot Oil System</u>

Hot oil is required for feed gas heating, regen gas, amine regeneration, and condensate stabilizer. Lower temperature hot oil users include the inlet-gas preheater and amine regeneration reboiler, while higher temperature hot oil will be provided for the de-

ethanizer and de-butanizer reboilers. This unit is a closed loop system and not expected to produce any process-related wastewater.

Tempered Water

Tempered water is used for process cooling and heat transfer of auxiliary systems of rotating equipment. It is a closed loop system that uses heat-exchangers so there is no direct contact with process fluids. Over a long period of time minor water losses may occur via the expansion drum vent that discharges to the atmosphere resulting in periodic demineralized water replenishment. Should the system need to be taken off line, it would be drained, collected and transported off-site for treatment and disposal. Therefore, this unit is not expected to produce any process-related wastewater.

Emission Controls

The flare system is designed for control of vent gases from the startup, operation, shutdown, and malfunction of liquefaction and export of LNG at the PALNG Facility. PALNG is proposing to construct four (4) flares: three (3) Ground Flares (EPN G-Flare) and one (1) Marine Flare (EPN M-Flare). The Ground Flares will control the vent gases from the Inlet Gas Conditioning and Liquefaction operations while the Marine Flare will control vent gases associated with the LNG storage, LNG storage tank vapor handling, and LNG export systems.

If a ship arrives inerted with nitrogen (N2) or carbon dioxide (CO2), the ship vapors will be purged to the Marine Flare. Also, if all liquefaction trains at the facility are down (i.e., not operating), then BOG is vented to the Marine flare.

Instrument and Utility Air System

Utility air will be used throughout the Liquefaction operations including, but not necessarily limited to power tools, equipment, pumps, and in areas were the potential for explosive environments exists. Dry air will be used for the instrumentation and control systems. Condensate water from the moisture removal process and compression are considered part of the non-process wastewaters.

Nitrogen System

Nitrogen is used to support various PALNG loading and offloading activities and used to provide a nitrogen blanket to inert the head space in tanks or purging. Nitrogen will be obtained via pipeline. The oxygen-rich stream will be vented back into the atmosphere. Condensate water associated with the moisture removal process and compression are considered part of the non-process wastewaters.

Water Supply

The Port Arthur municipal water system will supply water to Terminal and Liquefaction operations. The municipal water system has a water main pipeline on the west side of the Liquefaction Project site which will be relocated as part of the project. The connection will be capable of providing the PALNG Facility with up to 500 gallons per minute (gpm) of potable water, which is more than sufficient to meet operational requirements. The potable water will be used for drinking and a variety of general non-process uses.

Water Treatment System (WTS)

A trailer-mounted system will produce demineralized water using the following water treatment equipment:

- Strainer;
- Ultra Filtration (UF) Unit;
- Two-Pass Reverse Osmosis (RO) System;
- Electro Deionization (EDI) System; and
- De-aerator.

Firefighting Water Supply

A dedicated firewater distribution system is present throughout the PALNG Facility. The system includes firewater storage tanks and pumps to keep the firewater distribution system pressurized. Potable water from the Port Arthur municipal water supply system will be used to maintain water levels in the firewater storage tanks. The main firewater pumps take a slip stream of the pump discharge water for cooling and returns the slip stream to the firewater storage tank. The firefighting diesel-driven-pumps utilize a cooling water slip stream of the surface water when operating and it is returned to the suction sump for the pumps and delivered to the firewater distribution system along with other surface water. The firewater distribution system, pumps, and equipment, such as hoses, nozzles, monitors, and deluge systems, etc. will be routinely tested resulting in the discharge of non-process wastewater through various outfalls in the drainage area where testing occurs.

Backup Power

Diesel-powered, stand-by generators will provide emergency backup electrical power. They are intended to provide backup emergency power supply for critical systems such as control rooms, instrument air, emergency lighting, and heating, ventilation and air conditioning (HVAC) for control systems, etc.

3.0 WASTEWATER GENERATION, TREATMENT, AND DISCHARGE

3.1 General

This section provides information on the water supply sources, collection, treatment and discharge of non-storm water and storm water throughout the facility and discharges associated with the LNG Facility operations. Additional discussion about various water supply sources and water and/or wastewater generated and treated prior to discharge is provided in the sections below.

PALNG will not accept any wastewaters that originate from tanker ships or vessels docked at the berth, including but not necessarily limited to bilge, ballast or sanitary, while loading/unloading LNG. As a result, there is no further discussion in this narrative about the collection, management, treatment or discharge of any wastewaters originating from the tanker ships or vessels.

3.2 Source Water

The primary water source will consist of water from the Port Arthur municipal water supply system. Water from the municipal supply system will be used as potable water and general utility water (GUW). General utility water will be distributed throughout the PALNG Facility plants for use, including but not necessarily limited to, equipment washdown, work surface cleaning, circulation through pump cooling water jackets, hydrostatic test, dust control, exterior building wash down (without soaps and detergents), etc. The water supply uses include, but are not necessarily limited to, general needs for any ongoing construction activities, hydrostatic testing, construction equipment cleaning, other non-potable uses and/or make-up for the firefighting water supply system.

If necessary, supplemental water from the river firewater pump stations can be withdrawn directly from the Sabine-Neches (Ship Channel) in order to maintain adequate pressure and flow in the firewater distribution system.

3.3 Water Treatment System

A trailer-mounted system will produce demineralized water using the following water treatment equipment:

- Strainers;
- UF Unit;
- Two-Pass RO Unit;
- EDI Unit; and
- De-aerator Unit.

A summary of the anticipated water treatment chemicals is provided in Table 1. Wastewaters expected from the demineralization process include, but are not necessarily limited to, the following:

- Strainer backwash/cleaning;
- UF reject/cleaning;
- RO reject/cleaning;
- EDI reject/cleaning; and
- De-aerator pump cooling water.

3.4 Process Wastewaters

NG Cleanup System

The NG Cleanup System consists of an AGRU and Dehydration Unit. Demineralized water is used to make the amine solution required to remove CO2 from the NG. The amine solution is recirculated between the CO2 Absorber and Amine Regenerator units within the AGRU. A side-stream of the amine solution is sent to the Amine Regenerator Reflux Drum where a rich CO2 gas and moisture stream is routed to a Thermal Oxidizer. Lean CO2 natural gas exits the CO2 Absorber and enters the Dehydration Unit where additional moisture is removed to prevent freezing in the cryogenic section of the LNG Train. Water recovered from the Dehydration Unit is sent to a Recovered Water Tank where it is passed through activated carbon units and a filter prior to being recirculated back to the ARGU. Oil skimmed from the Recovered Water Tank will be disposed offsite or could be sent to the Slop Oil Tank for later offsite disposal.

The amount of moisture lost to the Thermal Oxidizer controls the amount of make-up demineralized water introduced into the NG Cleanup System. Under normal conditions, moisture loss as vapor to the Thermal Oxidizer is estimated to be up to 5.5 gpm (water equivalent). Demineralized make-up water is anticipated to be added as needed at rates up to 2 gpm depending on different operating scenarios, feed-gas composition, ambient temperatures, and CO2 content. Demineralized water can be injected at a rate of up 25 gpm (or greater if needed) for flushing, initial fill, displacement of amine solution, equipment maintenance, and other unique operating conditions. On an infrequent intermittent basis, removal of the spent amine solution from the system may be necessary, and it will be transported off-site to a permitted, commercial treatment and disposal facility.

Turbine Drives and Compressors

Periodically, the turbine drives for refrigerant compressors and other equipment are serviced and cleaned to maintain performance and efficiency. Wastewaters generated as part of the periodic maintenance and cleaning actives associated with turbine fins will be

collected, appropriately characterized, and transported off-site to a permitted, commercial treatment and disposal facility.

3.5 Miscellaneous Non-Process Wastewaters

Non-process wastewaters are considered a group of several low contamination potential wastewater types that may be present throughout the LNG Facility. Sources of non-process wastewater include, but are not necessarily limited to, the following types:

- Emergency eyewash and safety shower station testing and use;
- Testing of firefighting water system and equipment (without foams) including operation of the supplemental river water pump stations, and firefighting activities (with or without foam);
- Uncontaminated condensates and moisture from air conditioners, coolers, compressors, and equipment, and atmospheric condensate that forms on the outside surface of storage tanks, pipelines, equipment, etc.;
- Overflow from the Demineralized Water Storage, potable water storage, GUW storage, and firewater storage tanks;
- Pump cooling water jackets and refrigeration seal flush;
- Routine pavement, pad and utility/maintenance wash down (without soaps and detergents);
- Routine external building wash down wastewater (without soaps and detergents);
- Freeze protection water using potable or GUW;
- Lines and equipment flushing (potable, including disinfection, firewater or other non-process lines);
- Water used to rinse dust off vehicles (without soaps and detergents);
- Water used for dust suppression;
- Drainage from irrigation of vegetation and landscaping; and
- De minimis leaks from the potable, service water, utility, or firewater distribution system network pipelines.

Equipment and area washdown wastewaters will be generated in curbed areas within the LNG Train areas. Washdown activities conducted within the curbed areas may involve the use of soaps, detergents and/or the use of dilute solutions of sodium hypochlorite to clean and prevent the formation of biological growth on work surfaces to prevent slip hazards. When an additive is used, it will be in accordance with the manufacturer's recommendations.

3.6 Hydrostatic Test Wastewater

Periodically, PALNG may conduct hydrostatic tests on piping, vessels, tanks, and other equipment located throughout the LNG Facility. Hydrostatic test wastewater meeting discharge requirements may be routed to the surface water drainage system and discharged via Outfall 101 through any permitted outfall.

3.7 Sanitary Wastewater

PALNG or its contractors, currently utilize portable restrooms, which are owned and maintained by an approved third-party vendor. Sanitary wastewater from these portable restrooms is collected by approved sewage haulers and disposed of in approved sewage disposal/treatment facilities. Plans for on-site sanitary wastewater treatment are currently in development. Sanitary wastewater treatment and disposal will be addressed in a separate permitting effort.

3.8 Effluent Treatment System

Storm water from treatment trains drains to either Pond 2 or Pond 3 thus allowing any escaped oil to be captured prior to discharge through Outfalls 002 and 003, respectively.

3.8.1 Wastewater Treatment Chemicals

Wastewater treatment chemicals and products anticipated for use are listed in Table 1. PALNG anticipates these products (or their equivalent substitutes) will be used during startup and facility operations. Safety data sheets (SDS) will be maintained at the facility and will be made available upon request.

3.8.2 Solids Management

Solids collection will occur at various stages within the wastewater treatment system. Solids collected as part of the wastewater treatment process are characterized and disposed of off-site as solid wastes.

3.9 Outfall and Associated Wastewater Contributions

The discussion below describes the main sources and/or activities within a given outfall drainage area that may contribute wastewater and/or storm water to the identified outfall. Where non-process wastewaters are represented as continuously discharging, under certain weather conditions their discharge instead may be intermittent. Additional information is provided on Figures 2 and 3.

<u>Outfall 001</u>

Outfall 001 is a final outfall that intermittently discharges process wastewater, utility wastewater, non-process wastewater, and storm water runoff, and previously monitored hydrostatic test wastewater via internal Outfall 101.

<u>Outfall 002</u>

Outfall 002 is the intermittent discharge of storm water runoff and miscellaneous non-process wastewaters from Area 2 via Pond 2, and previously monitored hydrostatic test wastewater via internal Outfall 101.

Outfall 003

Outfall 003 is the intermittent discharge of storm water runoff and miscellaneous non-process wastewaters from Area 3 via Pond 3, and previously monitored hydrostatic test wastewater via internal Outfall 101.

Outfall 004

Outfall 004 is the intermittent discharge of storm water runoff and miscellaneous non-process wastewaters from Area 1 via Pond 1, and previously monitored hydrostatic test wastewater via Outfall 004.

Internal Outfall 101

Outfall 101 discharges wastewaters from hydrostatic testing of pipelines, tanks and other vessels associated with Terminal and Liquefaction operations. Outfall 101 may discharge through any permitted final outfall.

3.10 Receiving Stream Information

All outfalls discharge to the Sabine-Neches Waterway (Ship Channel) (Segment 0703) directly or indirectly via pump outfall pipes located on the east side of the facility. A review of TCEQ's 2024 Integrated Report indicates that this segment of the Sabine-Neches Waterway is fully supporting the intended use for aquatic life, recreation, and general use.

4.0 STORM WATER DRAINAGE, MANAGEMENT, AND DISCHARGE

4.1 General

This section provides a discussion on storm water drainage, management and discharges from the PALNG Facility. This information should be considered in conjunction with the information provided in the TCEQ Administrative Report (Appendix A) and TCEQ Technical Report (Appendix B) and the associated attachments.

4.2 Storm Water Drainage

Storm water drainage and associated storm water outfalls for the PALNG Facility area are illustrated on Figure 2. Storm water sources for each outfall were described in Section 3.9. Table 2 provides an estimate of the outfall drainage areas. Table 3 provides updated projections of the maximum 30-day average and maximum daily flow for outfalls within the Liquefaction and Terminal operations.

4.3 Storm Water Management

PALNG will employ numerous structural controls and operational practices to minimize the potential for releases of pollutants. The nonstructural measures employed by the PALNG will include, but are not limited to:

- Storm Water Pollution Prevention Plan (SWP3);
- Spill Prevention, Control, and Countermeasure (SPCC) Plan;
- Emergency Response Plan (ERP);
- Terminal Operation Procedures;
- Terminal Emergency Action Plan;
- Integrated Environmental Compliance Program (includes air, waste, water procedures, and inspections);
- Facility Security Plan;
- Employee safety and environmental training programs; and
- Equipment preventative maintenance programs.

These plans and programs will incorporate definite inspection schedules that encourage continual awareness of the importance of minimizing the potential for storm water contacting contaminant sources and maintaining the facility's storm water drainage and treatment systems.

Structural controls at the facility will include the use of concrete curbing, covered roof buildings, secondary containment dikes, drainage sumps, and oil booms to minimize pollutants from entering the drainage system. Special sensors will be installed at key locations within the LNG service areas to monitor the temperature of the liquids in the conveyance system and shut off the pumps to their respective discharge outfall should a drop in temperature occur signifying the presence of LNG or refrigerants. The Refrigerant Storage Basin will be similarly designed to control potential refrigerant releases from the Truck Loading/Unloading Area or the Refrigerant Storage Area.

The ditch network of the LNG Service Area and impoundment basins of the LNG Facility also provide secondary containment in the event of a significant LNG release. Due to the sub-zero temperature nature of these liquids, if any of the LNG or refrigerant materials manage to reach an impoundment basin, the water will freeze forming an ice-plug; thereby containing the LNG or refrigerant materials.

A list of significant materials expected to be stored and handled at the facility is provided in Table 4. Other materials such as industrial solid and hazardous wastes will be collected, appropriately characterized, and transported off-site to a permitted, commercial treatment and disposal facilities.

4.4 Fertilizers, Herbicides, and Pesticides

Application of conventional fertilizers, herbicides and pesticides at specific intervals for property maintenance and landscaping will be performed internally and by licensed contractors throughout the site. Fertilizer and soil conditioners will be applied on an as-needed basis to maintain vegetation that is beneficial for landscaping and/or erosion control. Only commercially-available products will be used, and they will be applied in a manner and at rates consistent with the manufacturer instructions provided with the specific fertilizers or soil conditioners. Herbicides will be applied throughout the facility on an as-needed basis and only in minimal amounts required to control weeds within the property, roadways and ditches. Only commercially-available products will be used, and they will be applied in a manner and at rates consistent with the registered usages for the specific herbicide selected as required by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Pesticides will be applied on an as-needed basis for routine pest control. Only commercially-available products will be used and applied in a manner and at rates consistent with the registered usages for the specific pesticides selected as required by FIFRA.

5.0 OUTFALL DISCHARGE CHARACTERIZATION

PALNG is under construction and has not commenced operation; therefore, actual effluent data is not available. However, estimated effluent characteristics are provided. The wastewater characterization data on the TCEQ forms provided is a combination of Best Professional Judgement (BPJ) and familiarity with wastewater and wastewater treatment systems associated with LNG Terminal and Liquefaction operations. Less than symbols (<) were used to indicate that the estimated concentrations are expected to be less than the numeric value provided, where applicable.

6.0 REQUESTED PERMIT CONDITIONS

There are no point source category effluent limitations at 40 CFR 400 thru 471 applicable to wastewater discharges from the PALNG Facility. Therefore, PALNG requests that TCEQ apply BPJ consistent with the approach used as noted in Section 1.5.1 of this narrative and requests no changes to the existing permit conditions. PALNG is currently in the design and development of a Phase II expansion which will be addressed in a subsequent permitting effort.

TABLES

TABLE 1

LIST OF WATER AND WASTEWATER

TREATMENT CHEMICALS

TABLE 1
LIST OF WATER AND WASTEWATER TREATMENT CHEMICALS

Area of Use	Treatment Chemicals
Water Treatment	Sodium Hypochlorite Coagulant Citric Acid Caustic (Sodium Hydroxide) Sodium Bisulfite Avista L211 or equivalent (RO high pH cleaner) Avista L403 or equivalent (RO low pH cleaner) Antiscalant (GE MDC or equivalent) Oxygen Scavenger (Nalco Elimin-OX, Carbohydrazide solution or equivalent)
Environmental Treatment Systems	Caustic (Sodium Hydroxide) Acid (Sulfuric)
Firefighting Foam	Jet-X Foam Concentrate or equivalent Low Expansion Foam Concentrate (AFFF/ATC type or equivalent)
Cleaning	Simple Green Heavy Duty Cleaner and Degreaser Clorox Bleach (Sodium Hypochlorite)
Tempered Water	Corrosion Inhibitor (Nalco TRAC-108 or equivalent) Biodispersant Inhibitor (Nalco H-550 or equivalent)
Closed-Loop Cooling	Ethylene Glycol and water mixture (multiple locations) Propylene Glycol and water mixture (multiple locations)
Nitrogen System	Citric Acid

TABLE 2

OUTFALL DRAINAGE AREA SUMMARY

TABLE 2
OUTFALL DRAINAGE AREA SUMMARY

OUTFALL	Surface Ground Cover		Total Area
	Pervious (1)	Impervious (2)	
	(acres)	(acres)	(acres)
002	9.7	87.3	97
003	58.5	19.5	78
004	82.5	27.5	110
Port Arthur LNG Total Area			**285(3)**

Note: (1) Examples are grass, lime stone cover, bare soil, etc.
(2) Examples are asphalt paving, concrete paving, roofs, etc.
(3) Facility has an additional 203 acres which are undeveloped

TABLE 3

PROJECTED STORM WATER DISCHARGES FROM LIQUEFACTION OPERATIONS OUTFALLS

TABLE 3
PROJECTED STORM WATER DISCHARGES FROM LIQUEFACTION OPERATIONS OUTFALLS

OUTFALL	Surface Ground Cover		Total Area	Max. Daily Discharge (3,4)	Max. 30-day Avg. Discharge (3,5)
	Pervious (1)	Impervious (2)			
	(acres)	(acres)	(acres)	(MGD)	(MGD)
002	9.7	87.3	97	14.04	1.08
003	58.5	19.5	78	7.88	0.6
004	82.5	27.5	110	11.11	0.85

Note: (1) Runoff coefficient estimated at 0.50.
(2) Runoff coefficient estimated at 1.00.
(3) Discharge estimated using Rationale Method; Q = C * i * A.
(4) Max. Daily Discharge is based on 6.2 inches of precipitation that occurred on July 1, 2022.
(5) Max. 30-day Average Discharge is based on 14.75 inches of precipitation that occurred during the month of May 2024.

TABLE 4

LIST OF SIGNIFICANT MATERIALS

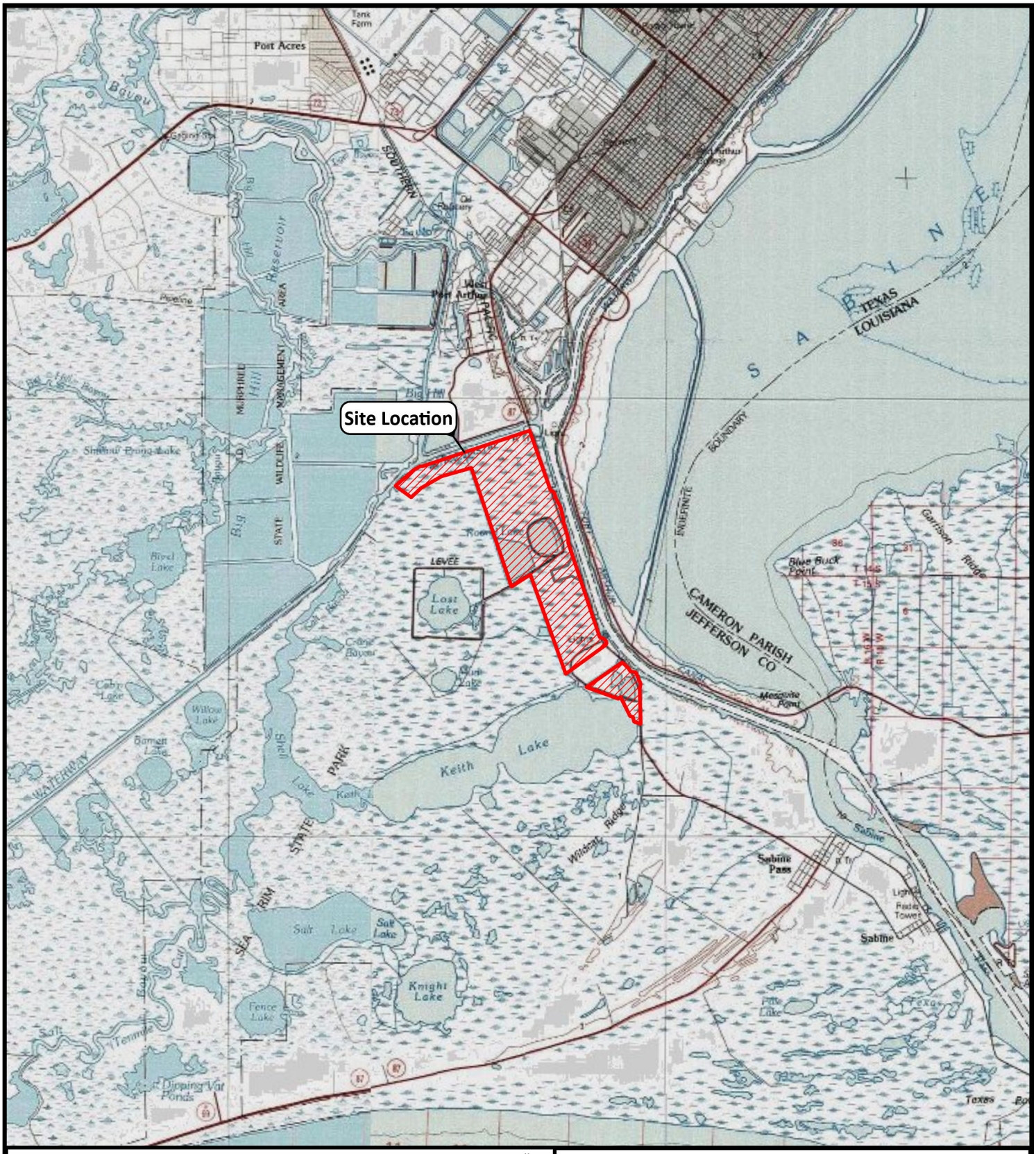
TABLE 4
LIST OF SIGNIFICANT MATERIALS

AREA	SIGNIFICANT MATERIALS
Refrigerants	Liquid Nitrogen Liquid Propane Ethylene Mixed Refrigerants (nitrogen, methane, ethylene, and propane)
Hydrocarbon Storage	Off gas (to fuel gas system) Liquefied petroleum gas (LPG, C_3 & C_4 compounds to Liquefaction Train) Stabilized condensate products (C_5^+ storage tanks) Diesel storage tanks (emergency power backup, fleet services, etc.) Recovered oil storage tanks Lubrication oils and grease Hydraulic fluids/oils
Natural Gas Cleanup	MDEA (weak and strong solutions, CO_2 removal from NG)
Utilities	Glycol solutions/storage tanks (closed-loop cooling water heat exchangers) Hot Oil (Therminol 59 or equivalent, closed-loop process heating) Mineral oil (transformers, power house, switch gear, etc.)
Chemicals	Water treatment system (see Table 2)
Final Product	LNG

FIGURES

FIGURE 1

SITE LOCATION MAP



Site Boundary

0 2
Miles

N
S

Jefferson County

USGS Topographic Map

Port Arthur LNG, LLC
Houston, Texas

PALNG TPDES Permit Renewal Application

Site Location Map

Jefferson County, Texas

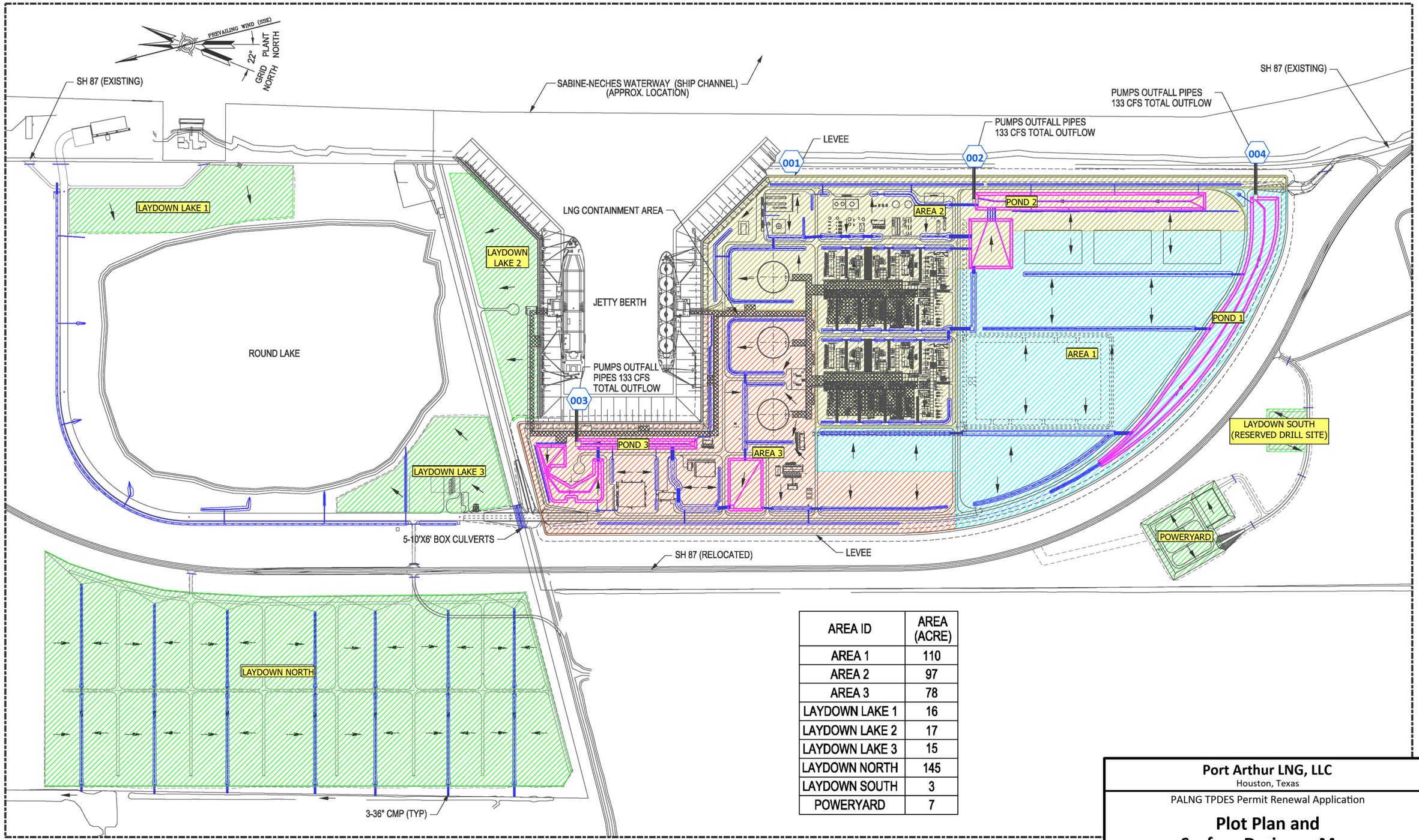
CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/05/2025	Approved:	ABS
Dwg. No.:	PJ001035	**Figure 1**	

P:\Mapping\PJ001035\PJ001035.aprx

FIGURE 2

PLOT PLAN AND SURFACE DRAINAGE MAP



AREA ID	AREA (ACRE)
AREA 1	110
AREA 2	97
AREA 3	78
LAYDOWN LAKE 1	16
LAYDOWN LAKE 2	17
LAYDOWN LAKE 3	15
LAYDOWN NORTH	145
LAYDOWN SOUTH	3
POWERYARD	7

001 Outfall Location

Map from Port Arthur LNG, Drawing No. PAL-PJT-CIV-DWG-00-X-2150, Rev. 00A, Dated 03-06-2019.

Port Arthur LNG, LLC
Houston, Texas

PALNG TPDES Permit Renewal Application

Plot Plan and Surface Drainage Map

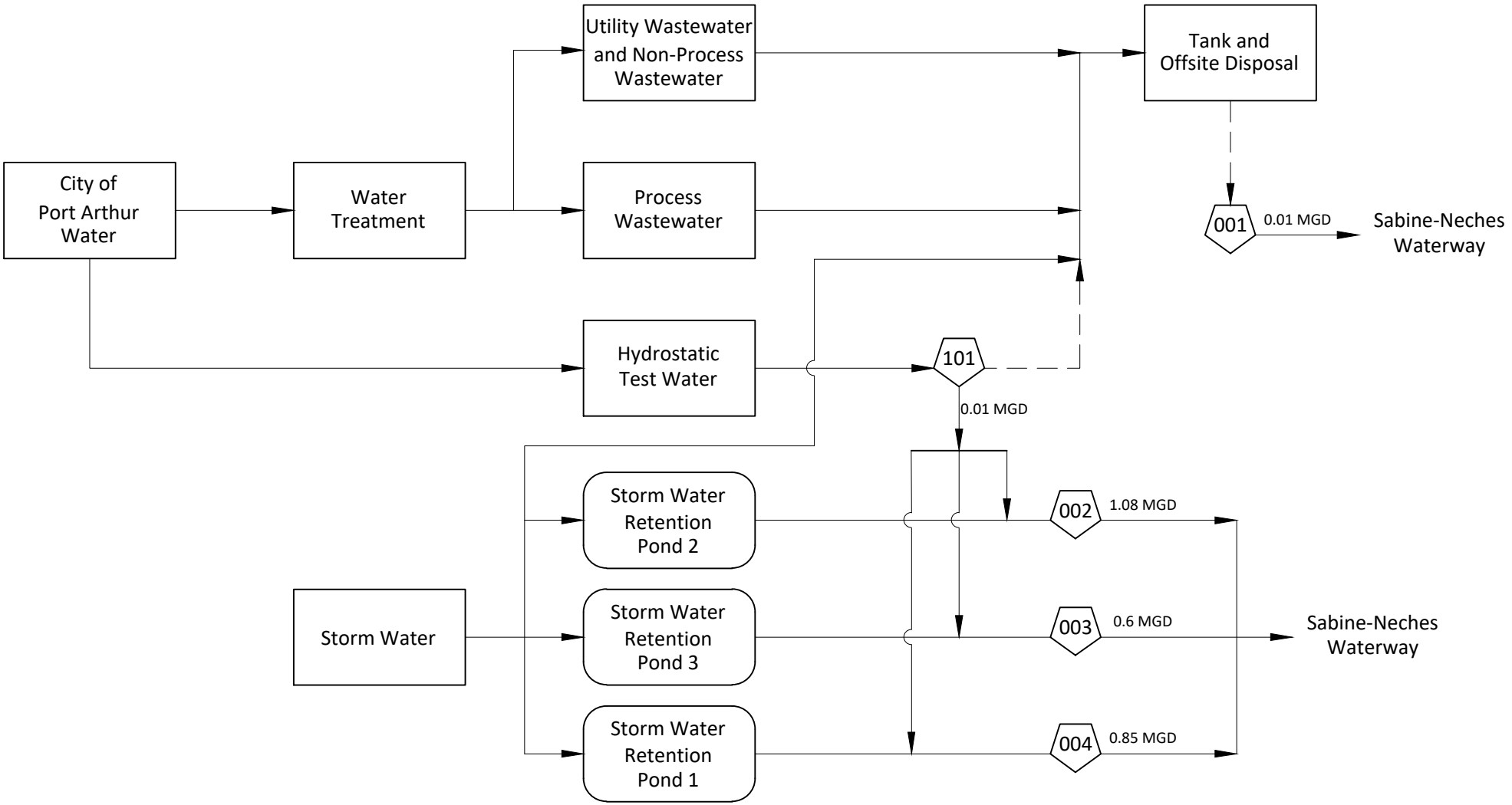
Jefferson County, Texas

CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/03/2025	Approved:	ABS
Dwg. No.:	PJ001035		Figure 2

FIGURE 3

WATER/WASTEWATER FLOW DIAGRAM



Legend

001 Outfall

— — — Alternate Routing

Notes:

- Flow rates are based on maximum 30-day average based on 14.75 inches of precipitation that occurred during May 2024.
- Flow rates are in million gallons per day (MGD).

Port Arthur LNG, LLC
Houston, Texas

PALNG TPDES Permit Renewal Application

Water/Wastewater Flow Diagram

Jefferson County, Texas

CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/03/2025	Approved:	ABS
Dwg. No.:	PJ001035-01	**Figure 3**	

APPENDICES

APPENDIX A

TCEQ ADMINISTRATIVE REPORT – TCEQ-20893

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER APPLICATION CHECKLIST FOR OIL AND GAS EXTRACTION PERMITS ISSUED UNDER TEXAS WATER CODE CHAPTER 26

Complete and submit this checklist with the application.

APPLICANT NAME: Port Arthur LNG, LLC

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

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Worksheet 8.0	☐	☒
Administrative Report 1.1	☒	☐	Worksheet 9.0	☐	☒
SPIF	☒	☐	Worksheet 10.0	☐	☒
Core Data Form	☒	☐	Worksheet 11.0	☐	☒
Public Involvement Plan Form	☐	☒	Worksheet 11.1	☐	☒
Plain Language Summary	☒	☐	Worksheet 11.2	☐	☒
Technical Report 1.0	☒	☐	Worksheet 11.3	☐	☒
Worksheet 1.0	☐	☒	Worksheet 12.0	☐	☒
Worksheet 2.0	☒	☐	Original USGS Map	☒	☐
Worksheet 3.0	☐	☒	Affected Landowners Map	☐	☒
Worksheet 3.1	☐	☒	Landowner Disk or Labels	☐	☒
Worksheet 3.2	☐	☒	Flow Diagram	☒	☐
Worksheet 3.3	☐	☒	Site Drawing	☒	☐
Worksheet 4.0	☒	☐	Original Photographs	☐	☒
Worksheet 4.1	☐	☒	Design Calculations	☐	☒
Worksheet 5.0	☐	☒	Solids Management Plan	☐	☒
Worksheet 6.0	☐	☒	Water Balance	☒	☐
Worksheet 7.0	☒	☐			

For TCEQ Use Only
Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0 FOR OIL AND GAS EXTRACTION PERMITS ISSUED UNDER TEXAS WATER CODE CHAPTER 26

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.

Please download and follow the instructions for Completing the Oil and Gas Extraction Administrative Report (TCEQ Form-20893-inst[1]). Contact the Industrial Permits Team (Oil and Gas Permits) at 512-239-4671 with any questions about completing this report.

1. TYPE OF APPLICATION AND FEES (Instructions, Page 8)

a. For facilities currently authorized by EPA and/or RRC, provide the following information:

RRC Permit No., if applicable: N/A Expiration Date: Click to enter text.

EPA ID No., if applicable: TX0N/A Expiration Date: Click to enter text.

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

- ☐ New TPDES permit
- ☐ Major amendment with renewal
- ☐ Renewal with changes
- ☐ Minor amendment without renewal
- ☐ Major amendment without renewal
- ☒ Renewal without changes
- ☐ Minor modification without renewal

c. If applying for an **amendment** or **modification** of a permit, describe the request in detail (include attachments as necessary): NA

d. Check the box next to the amount submitted for the application fee

Application Fee:

EPA Classification	New	Major Amendment (With or Without Renewal)	Renewal (With or Without Changes)	Minor Amendment/ Minor Modification (Without Renewal)
Minor facility	☐ $1,250	☐ $1,250	☒ $1,215	☐ $150
Major facility	N/A *	☐ $2,050	☐ $2,015	☐ $450

* All facilities are designated as minors until formally classified as a major by EPA.

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

e. Payment Information:

Mailed Check or money order number: N/A

Check or money order amount: N/A

Named printed on check or money order: N/A

ePAY Voucher number: 747500 and 747501

Copy of voucher attached? ☒ Yes **Attachment**: 1

2. APPLICANT INFORMATION (Instructions, Page 8)

a. Facility Owner (Owner of the facility must apply for the permit.)

- Provide the legal name of the entity (applicant) applying for this permit: Port Arthur LNG, LLC

  (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.)

- If the applicant is currently a customer with the TCEQ, provide the Customer Number, which can be located using the TCEQ's Central Registry Customer Search[2]: **CN**604794834

- Provide the name and title of the person signing the application. The person must be an executive official meeting signatory requirements in *30 TAC § 305.44*.

  Prefix: Mr. Full Name (Last/First Name: Thompson, Jim

  Title: Manager, Permitting and Compliance Credential: N/A

b. Co-applicant (Operator of the facility, if different from the owner of the facility) Information

- Provide the legal name of the co-applicant applying for this permit, if applicable: NA

  (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.)

- If the co-applicant is currently a customer with the TCEQ, provide the Customer Number, which can be located using the TCEQ's Central Registry Customer Search: **CN**Click to enter text.

- Provide the name and title of the person signing the application. The person must be an executive official meeting signatory requirements in *30 TAC § 305.44*.

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

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

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

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

c. Core Data Form

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

Attachment: 2.

3. APPLICATION CONTACT INFORMATION (Instructions, Page 9)

If the TCEQ needs additional information regarding this application, who should be contacted?

a. Prefix: Mr. Full Name (Last/First Name: Thompson, Jim

Title: Manager, Permitting and Compliance Credential: N/A

Organization Name: Port Arthur LNG, LLC

Mailing Address: 1500 Post Oak Blvd., Suite 1000 City/State/ZIP Code: Houston, TX 77056

Phone No.: 832-284-5685 E-mail: jdthompson@sempraglobal.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

b. Prefix: Ms. Full Name (Last/First Name: Eues, Monica S.

Title: Environmental Scientist Credential: Click to enter text.

Organization Name: CK Associates

Mailing Address: 8591 United Plaza Blvd., Suite 300 City/State/ZIP Code: Baton Rouge, LA 70809

Phone No.: 225-923-6946 E-mail: monica.eues@c-ka.com

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Attachment: N/A

4. PERMIT CONTACT INFORMATION (Instructions, Page 9)

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

a. Prefix: Mr. Full Name (Last/First Name: Thompson, Jim

Title: Manager, Permitting and Compliance Credential: Click to enter text.

Organization Name: Port Arthur LNG, LLC

Mailing Address: 1500 Post Oak Blvd., Suite 1000 City/State/ZIP Code: Houston, TX 77056

Phone No.: 832-284-5685 E-mail: jdthompson@sempraglobal.com

b. Prefix: Mr. Full Name (Last/First Name: Roy, Chris

Title: Sr Manager Credential: Click to enter text.

Organization Name: Port Arthur LNG, LLC

Mailing Address: 1500 Post Oak Blvd., Suite 1000 City/State/ZIP Code: Houston, TX 77056

Phone No.: 832-885-5895 E-mail: Croy@sempraglobal.com

Attachment: N/A

5. BILLING CONTACT INFORMATION (Instructions, Page 9)

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

Title: Manager, Permitting and Compliance Credential: Click to enter text.

Organization Name: Port Arthur LNG, LLC

Mailing Address: 1500 Post Oak Blvd., Suite 1000 City/State/ZIP Code: Houston, TX 77056

Phone No.: 832-284-5685 E-mail: jdthompson@sempraglobal.com

6. DMR CONTACT INFORMATION (Instructions, Page 10)

Provide the name and mailing address of the person delegated to receive and submit DMRs.

Prefix: Mr. Full Name (Last/First Name: Thompson, Jim

Title: Manager, Permitting and Compliance Credential: Click to enter text.

Organization Name: Port Arthur LNG, LLC

Mailing Address: 1500 Post Oak Blvd., Suite 1000 City/State/ZIP Code: Houston, TX 77056

Phone No.: 832-284-5685 E-mail: jdthompson@sempraglobal.com

DMR data must be submitted through the NetDMR[3] system. An electronic reporting account can be established once the facility has obtained the permit number.

7. NOTICE INFORMATION (Instructions, Page 11)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name: Thompson, Jim

Title: Manager, Permitting and Compliance Credential: Click to enter text.

Organization Name: Port Arthur LNG, LLC

Mailing Address: 1500 Post Oak Blvd., Suite 1000 City/State/ZIP Code: Houston, TX 77056

Phone No.: 832-284-5685 E-mail: jdthompson@sempraglobal.com

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

☒ E-mail: jdthompson@sempraglobal.com

[3] https://www.tceq.texas.gov/permitting/netdmr

☐ Fax: Click to enter text.

☐ Regular Mail (USPS) – Mailing Address (include City/State/Zip):

Contact in the Notice

Prefix: Mr. Full Name (Last/First Name: Thompson, Jim

Title: Manager, Permitting and Compliance Credential: Click to enter text.

Organization Name: Port Arthur LNG, LLC

Phone No.: 832-284-5685 E-mail: jdthompson@sempraglobal.com

c. Public Place Information

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

Public building name: Port Arthur Public Library Location within the building: Reference Department

Physical Address of Building: 4615 9th Avenue

City: Port Arthur County: Jefferson

d. Bilingual Notice Requirements:

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

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

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

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

   ☒ Yes ☐ No

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

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

e. Plain Language Summary Template

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

Attachment: 3

f. Public Involvement Plan Form

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

Attachment: N/A

8. REGULATED ENTITY AND PERMITTED SITE INFORMATION (Instructions Page 11)

If the site of your business 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[4] to determine the RN or to see if the larger site may already be registered as a regulated site:

If the site is found, provide the assigned RN and the information for the site to be authorized through this application below. The site information for this authorization may vary from the larger site information.

a. TCEQ issued Regulated Entity Number (RN): **RN**104517826

b. Name of project/site/facility (the name known by the community where located): Port Arthur LNG

c. Provide an address for the facility or a description of the facility location using the proximity of the facility to the nearest intersection: 3570 S Gulfway Drive, Port Arthur, TX 77642

d. 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.

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

9. TDPES DISCHARGE INFORMATION (Instructions, Page 12)

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

☐ Yes ☒ No

[4] http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch

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.

- ☒ One-mile radius and three-miles downstream information
- ☒ Facility boundaries
- ☒ State tract or lease block boundaries
- ☒ Labeled point(s) of discharge and highlighted discharge route(s)
- ☒ All wastewater ponds
- ☒ New and future construction
- ☒ Labeled and highlighted parks, playgrounds, and schoolyards
- ☒ Attachment: 4

c. Provide the state tract or lease block number and state tract or lease block name, and well numbers associated with the discharged water: N/A

d. Provide an accurate description of the point(s) of discharge and the discharge route(s): Outfall 001 is a final outfall that intermittently discharges process wastewater, utility wastewater, non-process wastewater, and storm water runoff, and previously monitored hydrostatic test wastewater via internal Outfall 101. Outfall 002 is the intermittent discharge of storm water runoff and miscellaneous nonprocess wastewaters from Area 2 via Pond 2, and previously monitored hydrostatic test wastewater via internal Outfall 101. Outfall 003 is the intermittent discharge of storm water runoff and miscellaneous nonprocess wastewaters from Area 3 via Pond 3, and previously monitored hydrostatic test wastewater via internal Outfall 101. Outfall 004 is the intermittent discharge of storm water runoff and miscellaneous nonprocess wastewaters from Area 1 via Pond 1, and previously monitored hydrostatic test wastewater via internal Outfall 101. Outfall 101 discharges wastewaters from hydrostatic testing of pipelines, tanks and other vessels associated with Terminal and Liquefaction operations. Outfall 101 may discharge through any permitted final outfall. All final outfalls discharge to the Sabine-Neches Waterway (Ship Channel) (Segment 0703) directly or indirectly via pump outfall pipes located on the east side of the facility.

e. City nearest the outfall(s): Port Arthur

f. County or counties in which the outfalls(s) is/are located: Jefferson County

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

☐ Yes ☒ No

If **yes**, indicate by a check mark if: ☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

h. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge. N/A – The estimated average daily discharge is less than 5 MGD.

10. MISCELLANEOUS INFORMATION (Instructions, Page 14)

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:

- Acct. No.: Click to enter text.
- Amt. due: Click to enter text.

c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following:

- Enforcement Order No.: Click to enter text.
- Amt. due: Click to enter text.

11. SIGNATURE PAGE (Instructions, Page 15)

Applicant Name: Port Arthur LNG, LLC

Certification:

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

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

Signatory name (typed or printed): Jim Thompson

Signatory title: Manager, Permitting and Compliance

Signature: _____ Date: 02/20/2025

(Use blue ink)

Subscribed and Sworn to before me by the said _____

on this _____ day of _____, 20_____.

My commission expires on the _____ day of _____, 20_____.

_____

Notary Public *[SEAL]*

_____

County, Texas

If a co-applicant is necessary, each entity must submit an original, separate signature page.

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.1 FOR OIL AND GAS EXPLORATION AND PRODUCTION PERMITS ISSUED UNDER TEXAS WATER CODE CH. 26

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

1. AFFECTED LANDOWNER INFORMATION (Instructions, Page 16)

a. Landowner Map Components

Attach a landowner map or drawing, with scale, as applicable. Check the box next to each item to confirm it has been provided.

- ☐ The facility's boundaries.
- ☐ The property boundaries of all properties adjacent to the facility's boundaries.
- ☐ The property boundaries of all properties within the facility's boundaries.
- ☐ The property boundaries of all properties overlapping the facility's boundaries.
- ☐ The property boundaries of all properties adjacent to any property overlapping the facility's boundaries.
- ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream of the discharge point(s).
- ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the discharge point(s).
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the discharge point(s) if the discharge is into a lake, bay, estuary, or affected by tides.

Attachment: N/A – This is a renewal application; therefore, this section is not required.

b. Landowner List Media

Check the box next to the format of the landowners list:

☐ Readable/Writeable CD or USB ☐ Four sets of labels

c. Cross-Referenced Landowner List

☐ Check this box to confirm a separate list with the landowners' names and mailing addresses cross-referenced to the landowner map has been attached.

Attachment: N/A – This is a renewal application; therefore, this section is not required.

d. Landowner Data Source

Provide the source of the landowners' names and mailing addresses: N/A

e. School Fund Land

As required by *TWC § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☐ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s): N/A- This is a renewal application; therefore, this section is not required.

2. ORIGINAL PHOTOGRAPHS (Instructions, Page 18)

Provide original ground-level photographs. Indicate the following information is provided.

☐ At least one original photograph of the new or expanded facility location.

☐ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.

☐ A plot plan or map showing the location and direction of each photograph.

Attachment: N/A – This is a renewal application; therefore, this information is not required.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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: 5

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Permit No: WQ000**Click to enter text.

1. Check or Money Order Number: Click to enter text.
2. Check or Money Order Amount: Click to enter text.
3. Date of Check or Money Order: Click to enter text.
4. Name on Check or Money Order: Click to enter text.
5. APPLICATION INFORMATION

   Name of Project or Site: Click to enter text.

   Physical Address of Project or Site: Click to enter text.

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

1. Individual information (Instructions, Page 18)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., or Miss): N/A – not an individual applicant

Full legal name (first, middle, and last): Click to enter text.

Driver's License or State Identification Number: Click to enter text.

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

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

Phone No.: Click to enter text.

Fax No.: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

For Commission Use Only:
Customer Number:
Regulated Entity Number:
Permit Number:

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 for Oil and Gas Exploration and Production. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 26, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all 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 ☒ Yes
(TCEQ Form Nos. 10055 and 20893. Version dated 5/10/2019 or later.)

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

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

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

Things to Know:

- All the items shown on the map must be labeled.
- The facility's complete property boundaries must be delineated.
- The complete property boundaries of all properties adjacent to, within, or overlapping the facility's boundaries and all properties adjacent to any property overlapping the facility's boundaries must be delineated.
- If the facility's property is adjacent to a road, creek, or stream, the landowners on the opposite side must also be identified. Although the properties are not adjacent to facility's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

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

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

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

Plain Language Summary ☒ Yes

APPENDIX B

TCEQ TECHNICAL REPORT – TCEQ-10055

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 the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

Natural gas liquefaction plant and export terminal, SIC code 4922

b. Describe all wastewater-generating processes at the facility.

Natural gas cleanup system; Servicing and cleaning of turbine drives and compressors; Hydrostatic tests; Utility water treatment system (demineralization); Emergency eyewash and safety shower station testing and use; Testing of firefighting water system and equipment (without foams) including operation of the supplemental river water pump stations, and firefighting activities (with or without foam); Uncontaminated condensates and moisture from air conditioners, coolers, compressors, and equipment, and atmospheric condensate that forms on the outside surface of storage tanks, pipelines, equipment, etc.; Overflow from the Demineralized Water Storage, potable water storage, general utility water (GUW) storage, and firewater storage tanks; Pump cooling water jackets and refrigeration seal flush; Routine pavement, pad and utility/maintenance wash down (without soaps and detergents); Routine external building wash down wastewater (without soaps and detergents); Freeze protection water using potable or GUW; Lines and equipment flushing (potable, including disinfection, firewater or other non-process lines); Water used to rinse dust off vehicles (without soaps and detergents); Water used for dust suppression; Drainage from irrigation of vegetation and landscaping; and De minimis leaks from the potable, service water, utility, or firewater distribution system network pipelines.

[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
See section 4.3, 4.4, and Table 4 of the application narrative	See section 4.3, 4.4, and Table 4 of the application narrative	Liquified Natural Gas

Attachment: 9

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 (Figure 2)

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

☐ Yes ☒ 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.

☒ Yes ☐ No

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

If **no**, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to 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 **major amendment** permit applications, will any construction operations result in a discharge of fill material into a water in the state?

☐ Yes ☐ No ☒ N/A (renewal only)

h. If **yes** to Item 1.g, has the applicant applied for a USACE CWA 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/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

See Section 4.3 of the application narrative (Sedimentation).

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 (Figure 3)

Item 3. Impoundments (Instructions, Page 40)

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

☒ 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	(Pond 2) C	(Pond 3) C	N/A
Associated Outfall Number	004	002	003	
Liner Type (C) (I) (S) or (A)	TBD	TBD	TBD	
Alt. Liner Attachment Reference	N/A	N/A	N/A	
Leak Detection System, Y/N	TBD	TBD	TBD	
Groundwater Monitoring Wells, Y/N	N	N	N	
Groundwater Monitoring Data Attachment	N/A	N/A	N/A	
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	TBD	TBD	TBD	
Length (ft)	TBD	TBD	TBD	
Width (ft)	TBD	TBD	TBD	
Max Depth From Water Surface (ft), Not Including Freeboard	TBD	TBD	TBD	
Freeboard (ft)	TBD	TBD	TBD	
Surface Area (acres)	TBD	TBD	TBD	
Storage Capacity (gallons)	TBD	TBD	TBD	
40 CFR Part 257, Subpart D, Y/N	N	N	N	
Date of Construction	TBD	TBD	TBD	

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: N/A – There are no water supply wells and monitor wells within a ½ mile.

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: N/A

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: N/A

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	29.7852778	-93.9488889
101	Via Outfalls 001, 002, 003 and 004	Via Outfalls 001, 002, 003 and 004
002	29.7852778	-93.9488889

Outfall Location Description

Outfall No.	Location Description
001	Effluent pipe at levee on the east side of the facility
101	Via Outfalls 001, 002, 003 and 004
002	Effluent pipe from Pond 2 on the east side of the facility

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

Outfall No.	Description of sampling point
001	Same as above (Not yet constructed, location to be determined)
101	Same as above (Not yet constructed, location to be determined)
002	Same as above (Not yet constructed, location to be determined)

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	0.0008	0.01	N/A	N/A	12/01/26
101	0.00003	0.01	N/A	N/A	12/01/26
002	1.08	14.04	N/A	N/A	12/01/26

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	Y	N	Design Estimate
101	Y	N	Design Estimate
002	Y	N	Design 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	Y	N	N	<24hrs/day	<31days/mo	<12mo/yr
101	Y	N	N	<24hrs/day	<31days/mo	<12mo/yr

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
003	29.7852778	-93.9488889
004	29.7852778	-93.9488889

Outfall Location Description

Outfall No.	Location Description
003	Effluent pipe from Pond 3 on the east side of the facility
004	Effluent pipe from Pond 1 on the east side of the facility

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

Outfall No.	Description of sampling point
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)
003	0.6	7.88	N/A	N/A	12/01/26
004	0.85	11.11	N/A	N/A	12/01/26

Outfall Discharge – Method and Measurement

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

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)
002	Y	N	N	<24hrs/day	<31days/mo	<12mo/yr

Outfall Wastestream Contributions

Outfall No. 001

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Process wastewater	De minimis	<1
Non-process wastewater	De minimis	<1
Hydrostatic Test	0.00003	<4
Storm water	0.0008	96

Outfall No. 101

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Hydrostatic test	0.00003	100

Outfall No. 002

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Hydrostatic Test	0.00003	<0.01
Non-process wastewater	De minimis	<1
Storm water	1.08	99.99

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)
003	Y	N	N	<24hrs/day	<31days/mo	<12mo/yr
004	Y	N	N	<24hrs/day	<31days/mo	<12mo/yr

Outfall Wastestream Contributions

Outfall No. 003

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Hydrostatic Test	0.00003	<1
Non-process wastewater	De minimis	<1
Storm water	7.88	99

Outfall No. 004

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Hydrostatic Test	0.00003	<1
Non-process wastewater	De minimis	<1
Storm water	11.11	99

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

Attachment: Click to enter text.

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

a. Indicate if the facility currently or proposes to:

☐ 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 **is required**.

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		
Boilers	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?

☒ 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: Natural gas cleanup system, servicing and cleaning of turbine drives and compressors, hydrostatic test of piping and vessels, equipment washdown, truck loading and unloading, and fueling areas.

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.

☐ 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: Portable Toilets

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.
United Site Services of Texas	RN103163960

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: Click to enter text.

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 through 10.d below.

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 ☒ 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) **and uses**/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

- Attach information required by *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 facility subject 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 ☒ 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 ☒ 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: Jim Thompson

Title: Manager, Permitting and Compliance

Signature: _____

Date: 02/20/2025

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?

☐ Yes ☒ No

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

40 CFR Effluent Guideline

Industry	40 CFR Part

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

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

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

Click to enter text.

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.

Click to enter text.

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

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): Data is per BPJ. There have been no discharges from the facility.

b. ☒ N/A – Per BPJCheck 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:** N/A – Data is per BPJ. There have been no discharges from the facility.

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 - Data is per BPJ. There have been no discharges from the facility.

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.: 001 **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	<34	N/A	N/A	N/A
CBOD (5-day)	<30	N/A	N/A	N/A
Chemical oxygen demand	<238	N/A	N/A	N/A
Total organic carbon	<50	N/A	N/A	N/A
Dissolved oxygen	5	N/A	N/A	N/A
Ammonia nitrogen	<0.5	N/A	N/A	N/A
Total suspended solids	<100	N/A	N/A	N/A
Nitrate nitrogen	<1	N/A	N/A	N/A
Total organic nitrogen	<5	N/A	N/A	N/A
Total phosphorus	<2.5	N/A	N/A	N/A
Oil and grease	<15	N/A	N/A	N/A

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total residual chlorine	<0.033	N/A	N/A	N/A
Total dissolved solids	<150	N/A	N/A	N/A
Sulfate	<100	N/A	N/A	N/A
Chloride	<10	N/A	N/A	N/A
Fluoride	<10	N/A	N/A	N/A
Total alkalinity (mg/L as CaCO3)	<50	N/A	N/A	N/A
Temperature (°F)	<90	N/A	N/A	N/A
pH (standard units)	6.0 -9.0	N/A	N/A	N/A

Table 2 for Outfall No.: 001 **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)
Aluminum, total	<2.5	N/A	N/A	N/A	2.5
Antimony, total	<5	N/A	N/A	N/A	5
Arsenic, total	<0.5	N/A	N/A	N/A	0.5
Barium, total	<3	N/A	N/A	N/A	3
Beryllium, total	<0.5	N/A	N/A	N/A	0.5
Cadmium, total	<1	N/A	N/A	N/A	1
Chromium, total	<3	N/A	N/A	N/A	3
Chromium, hexavalent	<3	N/A	N/A	N/A	3
Chromium, trivalent	<3	N/A	N/A	N/A	N/A
Copper, total	<2	N/A	N/A	N/A	2
Cyanide, available	<10	N/A	N/A	N/A	2/10
Lead, total	<0.5	N/A	N/A	N/A	0.5
Mercury, total	<0.0005	N/A	N/A	N/A	0.005/0.0005
Nickel, total	<2	N/A	N/A	N/A	2
Selenium, total	<5	N/A	N/A	N/A	5
Silver, total	<0.5	N/A	N/A	N/A	0.5
Thallium, total	<0.5	N/A	N/A	N/A	0.5
Zinc, total	<5	N/A	N/A	N/A	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 3 for Outfall No.: 001 **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	<20	N/A	N/A	N/A	50
Anthracene	<10	N/A	N/A	N/A	10
Benzene	<10	N/A	N/A	N/A	10
Benzidine	<50	N/A	N/A	N/A	50
Benzo(a)anthracene	<5	N/A	N/A	N/A	5
Benzo(a)pyrene	<5	N/A	N/A	N/A	5
Bis(2-chloroethyl)ether	<10	N/A	N/A	N/A	10
Bis(2-ethylhexyl)phthalate	<10	N/A	N/A	N/A	10
Bromodichloromethane [Dichlorobromomethane]	<10	N/A	N/A	N/A	10
Bromoform	<10	N/A	N/A	N/A	10
Carbon tetrachloride	<2	N/A	N/A	N/A	2
Chlorobenzene	<10	N/A	N/A	N/A	10
Chlorodibromomethane [Dibromochloromethane]	<10	N/A	N/A	N/A	10
Chloroform	<10	N/A	N/A	N/A	10
Chrysene	<5	N/A	N/A	N/A	5
m-Cresol [3-Methylphenol]	<10	N/A	N/A	N/A	10
o-Cresol [2-Methylphenol]	<10	N/A	N/A	N/A	10
p-Cresol [4-Methylphenol]	<10	N/A	N/A	N/A	10
1,2-Dibromoethane	<10	N/A	N/A	N/A	10
m-Dichlorobenzene [1,3-Dichlorobenzene]	<10	N/A	N/A	N/A	10
o-Dichlorobenzene [1,2-Dichlorobenzene]	<10	N/A	N/A	N/A	10
p-Dichlorobenzene [1,4-Dichlorobenzene]	<10	N/A	N/A	N/A	10
3,3'-Dichlorobenzidine	<5	N/A	N/A	N/A	5
1,2-Dichloroethane	<10	N/A	N/A	N/A	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	N/A	N/A	N/A	10
Dichloromethane [Methylene chloride]	<20	N/A	N/A	N/A	20
1,2-Dichloropropane	<10	N/A	N/A	N/A	10
1,3-Dichloropropene [1,3-Dichloropropylene]	<10	N/A	N/A	N/A	10
2,4-Dimethylphenol	<10	N/A	N/A	N/A	10
Di-n-Butyl phthalate	<10	N/A	N/A	N/A	10
Ethylbenzene	<10	N/A	N/A	N/A	10
Fluoride	<500	N/A	N/A	N/A	500
Hexachlorobenzene	<5	N/A	N/A	N/A	5
Hexachlorobutadiene	<10	N/A	N/A	N/A	10
Hexachlorocyclopentadiene	<10	N/A	N/A	N/A	10
Hexachloroethane	<20	N/A	N/A	N/A	20
Methyl ethyl ketone	<50	N/A	N/A	N/A	50
Nitrobenzene	<10	N/A	N/A	N/A	10
N-Nitrosodiethylamine	<20	N/A	N/A	N/A	20
N-Nitroso-di-n-butylamine	<20	N/A	N/A	N/A	20
Nonylphenol	<333	N/A	N/A	N/A	333
Pentachlorobenzene	<20	N/A	N/A	N/A	20
Pentachlorophenol	<5	N/A	N/A	N/A	5
Phenanthrene	<10	N/A	N/A	N/A	10
Polychlorinated biphenyls (PCBs) (**)	<0.2	N/A	N/A	N/A	0.2
Pyridine	<20	N/A	N/A	N/A	20
1,2,4,5-Tetrachlorobenzene	<20	N/A	N/A	N/A	20
1,1,2,2-Tetrachloroethane	<10	N/A	N/A	N/A	10
Tetrachloroethene [Tetrachloroethylene]	<10	N/A	N/A	N/A	10
Toluene	<10	N/A	N/A	N/A	10
1,1,1-Trichloroethane	<10	N/A	N/A	N/A	10
1,1,2-Trichloroethane	<10	N/A	N/A	N/A	10
Trichloroethene [Trichloroethylene]	<10	N/A	N/A	N/A	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
2,4,5-Trichlorophenol	<50	N/A	N/A	N/A	50
TTHM (Total trihalomethanes)	<10	N/A	N/A	N/A	10
Vinyl chloride	<10	N/A	N/A	N/A	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 4 for 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 5 for 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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Endosulfan I (*alpha*)					0.01
Endosulfan II (*beta*)					0.02
Endosulfan sulfate					0.1
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 6 for Outfall No.: 001 **Samples are (check one): ☒ 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	☐	☒	N/A	N/A	N/A	N/A	400
Color (PCU)	☐	☒	N/A	N/A	N/A	N/A	—
Nitrate-Nitrite (as N)	☒	☐	<5	N/A	N/A	N/A	—
Sulfide (as S)	☐	☒	N/A	N/A	N/A	N/A	—
Sulfite (as SO3)	☐	☒	N/A	N/A	N/A	N/A	—
Surfactants	☐	☒	N/A	N/A	N/A	N/A	—
Boron, total	☐	☒	N/A	N/A	N/A	N/A	20
Cobalt, total	☐	☒	N/A	N/A	N/A	N/A	0.3
Iron, total	☐	☒	N/A	N/A	N/A	N/A	7
Magnesium, total	☐	☒	N/A	N/A	N/A	N/A	20
Manganese, total	☐	☒	N/A	N/A	N/A	N/A	0.5
Molybdenum, total	☐	☒	N/A	N/A	N/A	N/A	1
Tin, total	☐	☒	N/A	N/A	N/A	N/A	5
Titanium, total	☐	☒	N/A	N/A	N/A	N/A	30

TABLE 6 (Instructions, Page 59)

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

Table 6 for Outfall No.: 002 **Samples are (check one): ☒ 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	☐	☒	N/A	N/A	N/A	N/A	400
Color (PCU)	☐	☒	N/A	N/A	N/A	N/A	—
Nitrate-Nitrite (as N)	☒	☐	<5	N/A	N/A	N/A	—
Sulfide (as S)	☐	☒	N/A	N/A	N/A	N/A	—
Sulfite (as SO3)	☐	☒	N/A	N/A	N/A	N/A	—
Surfactants	☐	☒	N/A	N/A	N/A	N/A	—
Boron, total	☐	☒	N/A	N/A	N/A	N/A	20
Cobalt, total	☐	☒	N/A	N/A	N/A	N/A	0.3
Iron, total	☐	☒	N/A	N/A	N/A	N/A	7
Magnesium, total	☐	☒	N/A	N/A	N/A	N/A	20
Manganese, total	☐	☒	N/A	N/A	N/A	N/A	0.5
Molybdenum, total	☐	☒	N/A	N/A	N/A	N/A	1
Tin, total	☐	☒	N/A	N/A	N/A	N/A	5
Titanium, total	☐	☒	N/A	N/A	N/A	N/A	30

TABLE 6 (Instructions, Page 59)

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

Table 6 for Outfall No.: 003 **Samples are (check one): ☐ 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	☐	☒	N/A	N/A	N/A	N/A	400
Color (PCU)	☐	☒	N/A	N/A	N/A	N/A	—
Nitrate-Nitrite (as N)	☒	☐	<5	N/A	N/A	N/A	—
Sulfide (as S)	☐	☒	N/A	N/A	N/A	N/A	—
Sulfite (as SO3)	☐	☒	N/A	N/A	N/A	N/A	—
Surfactants	☐	☒	N/A	N/A	N/A	N/A	—
Boron, total	☐	☒	N/A	N/A	N/A	N/A	20
Cobalt, total	☐	☒	N/A	N/A	N/A	N/A	0.3
Iron, total	☐	☒	N/A	N/A	N/A	N/A	7
Magnesium, total	☐	☒	N/A	N/A	N/A	N/A	20
Manganese, total	☐	☒	N/A	N/A	N/A	N/A	0.5
Molybdenum, total	☐	☒	N/A	N/A	N/A	N/A	1
Tin, total	☐	☒	N/A	N/A	N/A	N/A	5
Titanium, total	☐	☒	N/A	N/A	N/A	N/A	30

TABLE 6 (Instructions, Page 59)

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

Table 6 for Outfall No.: 004 **Samples are (check one): ☒ 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	☐	☒	N/A	N/A	N/A	N/A	400
Color (PCU)	☐	☒	N/A	N/A	N/A	N/A	—
Nitrate-Nitrite (as N)	☒	☐	<5	N/A	N/A	N/A	—
Sulfide (as S)	☐	☒	N/A	N/A	N/A	N/A	—
Sulfite (as SO3)	☐	☒	N/A	N/A	N/A	N/A	—
Surfactants	☐	☒	N/A	N/A	N/A	N/A	—
Boron, total	☐	☒	N/A	N/A	N/A	N/A	20
Cobalt, total	☐	☒	N/A	N/A	N/A	N/A	0.3
Iron, total	☐	☒	N/A	N/A	N/A	N/A	7
Magnesium, total	☐	☒	N/A	N/A	N/A	N/A	20
Manganese, total	☐	☒	N/A	N/A	N/A	N/A	0.5
Molybdenum, total	☐	☒	N/A	N/A	N/A	N/A	1
Tin, total	☐	☒	N/A	N/A	N/A	N/A	5
Titanium, total	☐	☒	N/A	N/A	N/A	N/A	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
☐ Inorganic Chemicals Manufacturing	415	☐ Yes	☐ Yes	☐ 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 8 for Outfall No.: 001 **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)
Acrolein	N/A	N/A	N/A	N/A	50
Acrylonitrile	<20	N/A	N/A	N/A	50
Benzene	<10	N/A	N/A	N/A	10
Bromoform	N/A	N/A	N/A	N/A	10
Carbon tetrachloride	<2	N/A	N/A	N/A	2
Chlorobenzene	<10	N/A	N/A	N/A	10
Chlorodibromomethane	N/A	N/A	N/A	N/A	10
Chloroethane	<50	N/A	N/A	N/A	50
2-Chloroethylvinyl ether	N/A	N/A	N/A	N/A	10
Chloroform	<10	N/A	N/A	N/A	10
Dichlorobromomethane [Bromodichloromethane]	N/A	N/A	N/A	N/A	10
1,1-Dichloroethane	<10	N/A	N/A	N/A	10
1,2-Dichloroethane	<10	N/A	N/A	N/A	10
1,1-Dichloroethylene [1,1-Dichloroethene]	<10	N/A	N/A	N/A	10
1,2-Dichloropropane	<10	N/A	N/A	N/A	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<10	N/A	N/A	N/A	10
Ethylbenzene	<10	N/A	N/A	N/A	10
Methyl bromide [Bromomethane]	N/A	N/A	N/A	N/A	50
Methyl chloride [Chloromethane]	<50	N/A	N/A	N/A	50
Methylene chloride [Dichloromethane]	<20	N/A	N/A	N/A	20
1,1,2,2-Tetrachloroethane	N/A	N/A	N/A	N/A	10
Tetrachloroethylene [Tetrachloroethene]	<10	N/A	N/A	N/A	10
Toluene	<10	N/A	N/A	N/A	10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]	<10	N/A	N/A	N/A	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	<10	N/A	N/A	N/A	10
1,1,2-Trichloroethane	<10	N/A	N/A	N/A	10
Trichloroethylene [Trichloroethene]	<10	N/A	N/A	N/A	10
Vinyl chloride	<10	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 98 for Outfall No.: 001 **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)
2-Chlorophenol	<10	N/A	N/A	N/A	10
2,4-Dichlorophenol	<10	N/A	N/A	N/A	10
2,4-Dimethylphenol	<10	N/A	N/A	N/A	10
4,6-Dinitro-o-cresol	<10	N/A	N/A	N/A	50
2,4-Dinitrophenol	<10	N/A	N/A	N/A	50
2-Nitrophenol	<10	N/A	N/A	N/A	20
4-Nitrophenol	<10	N/A	N/A	N/A	50
p-Chloro-m-cresol	N/A	N/A	N/A	N/A	10
Pentachlorophenol	N/A	N/A	N/A	N/A	5
Phenol	<10	N/A	N/A	N/A	10
2,4,6-Trichlorophenol	N/A	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: 001 **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)
Acenaphthene	<10	N/A	N/A	N/A	10
Acenaphthylene	<10	N/A	N/A	N/A	10
Anthracene	<10	N/A	N/A	N/A	10
Benzidine	N/A	N/A	N/A	N/A	50
Benzo(a)anthracene	<5	N/A	N/A	N/A	5
Benzo(a)pyrene	<5	N/A	N/A	N/A	5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]	<10	N/A	N/A	N/A	10
Benzo(ghi)perylene	N/A	N/A	N/A	N/A	20
Benzo(k)fluoranthene	<5	N/A	N/A	N/A	5
Bis(2-chloroethoxy)methane	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	10
Bis(2-chloroisopropyl)ether	N/A	N/A	N/A	N/A	10
Bis(2-ethylhexyl)phthalate	<10	N/A	N/A	N/A	10
4-Bromophenyl phenyl ether	N/A	N/A	N/A	N/A	10
Butylbenzyl phthalate	N/A	N/A	N/A	N/A	10
2-Chloronaphthalene	N/A	N/A	N/A	N/A	10
4-Chlorophenyl phenyl ether	N/A	N/A	N/A	N/A	10
Chrysene	<5	N/A	N/A	N/A	5
Dibenzo(a,h)anthracene	N/A	N/A	N/A	N/A	5
1,2-Dichlorobenzene [o-Dichlorobenzene]	<10	N/A	N/A	N/A	10
1,3-Dichlorobenzene [m-Dichlorobenzene]	<10	N/A	N/A	N/A	10
1,4-Dichlorobenzene [p-Dichlorobenzene]	<10	N/A	N/A	N/A	10
3,3'-Dichlorobenzidine	N/A	N/A	N/A	N/A	5
Diethyl phthalate	<10	N/A	N/A	N/A	10
Dimethyl phthalate	<10	N/A	N/A	N/A	10
Di-n-butyl phthalate	<10	N/A	N/A	N/A	10
2,4-Dinitrotoluene	<10	N/A	N/A	N/A	10
2,6-Dinitrotoluene	<10	N/A	N/A	N/A	10
Di-n-octyl phthalate	N/A	N/A	N/A	N/A	10
1,2-Diphenylhydrazine (as Azobenzene)	N/A	N/A	N/A	N/A	20
Fluoranthene	<10	N/A	N/A	N/A	10
Fluorene	<10	N/A	N/A	N/A	10
Hexachlorobenzene	<5	N/A	N/A	N/A	5
Hexachlorobutadiene	<10	N/A	N/A	N/A	10
Hexachlorocyclopentadiene	N/A	N/A	N/A	N/A	10
Hexachloroethane	<20	N/A	N/A	N/A	20
Indeno(1,2,3-cd)pyrene	N/A	N/A	N/A	N/A	5
Isophorone	N/A	N/A	N/A	N/A	10
Naphthalene	<10	N/A	N/A	N/A	10
Nitrobenzene	<10	N/A	N/A	N/A	10
N-Nitrosodimethylamine	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	20
N-Nitrosodiphenylamine	N/A	N/A	N/A	N/A	20
Phenanthrene	<10	N/A	N/A	N/A	10
Pyrene	<10	N/A	N/A	N/A	10
1,2,4-Trichlorobenzene	<10	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 11 for Outfall No.: 001 **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	N/A	N/A	N/A	N/A	0.01
alpha-BHC [alpha-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
beta-BHC [beta-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
gamma-BHC [gamma-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
delta-BHC [delta-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
Chlordane	N/A	N/A	N/A	N/A	0.2
4,4'-DDT	N/A	N/A	N/A	N/A	0.02
4,4'-DDE	N/A	N/A	N/A	N/A	0.1
4,4'-DDD	N/A	N/A	N/A	N/A	0.1
Dieldrin	N/A	N/A	N/A	N/A	0.02
Endosulfan I (alpha)	N/A	N/A	N/A	N/A	0.01
Endosulfan II (beta)	N/A	N/A	N/A	N/A	0.02
Endosulfan sulfate	N/A	N/A	N/A	N/A	0.1
Endrin	N/A	N/A	N/A	N/A	0.02
Endrin aldehyde	N/A	N/A	N/A	N/A	0.1
Heptachlor	N/A	N/A	N/A	N/A	0.01
Heptachlor epoxide	N/A	N/A	N/A	N/A	0.01
PCB 1242	N/A	N/A	N/A	N/A	0.2
PCB 1254	N/A	N/A	N/A	N/A	0.2
PCB 1221	N/A	N/A	N/A	N/A	0.2
PCB 1232	N/A	N/A	N/A	N/A	0.2
PCB 1248	N/A	N/A	N/A	N/A	0.2

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

* Indicate units if different from µg/L.

Attachment: N/A

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
- ☒ 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 ☒ No

Description: Click to enter text.

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

Table 12 for Outfall No.: 001 **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	N/A	N/A	N/A	N/A	10
1,2,3,7,8-PeCDD	1.0	N/A	N/A	N/A	N/A	50
2,3,7,8-HxCDDs	0.1	N/A	N/A	N/A	N/A	50
1,2,3,4,6,7,8-HpCDD	0.01	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	10
1,2,3,7,8-PeCDF	0.03	N/A	N/A	N/A	N/A	50
2,3,4,7,8-PeCDF	0.3	N/A	N/A	N/A	N/A	50
2,3,7,8-HxCDFs	0.1	N/A	N/A	N/A	N/A	50
2,3,4,7,8-HpCDFs	0.01	N/A	N/A	N/A	N/A	50
OCDD	0.0003	N/A	N/A	N/A	N/A	100
OCDF	0.0003	N/A	N/A	N/A	N/A	100
PCB 77	0.0001	N/A	N/A	N/A	N/A	500
PCB 81	0.0003	N/A	N/A	N/A	N/A	500
PCB 126	0.1	N/A	N/A	N/A	N/A	500
PCB 169	0.03	N/A	N/A	N/A	N/A	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 ☒ 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 ☒ No

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

Table 13 for Outfall No.: 001 **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
N/A						

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 8 for Outfall No.: 002 **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)
Acrolein	N/A	N/A	N/A	N/A	50
Acrylonitrile	<20	N/A	N/A	N/A	50
Benzene	<10	N/A	N/A	N/A	10
Bromoform	N/A	N/A	N/A	N/A	10
Carbon tetrachloride	<2	N/A	N/A	N/A	2
Chlorobenzene	<10	N/A	N/A	N/A	10
Chlorodibromomethane	N/A	N/A	N/A	N/A	10
Chloroethane	<50	N/A	N/A	N/A	50
2-Chloroethylvinyl ether	N/A	N/A	N/A	N/A	10
Chloroform	<10	N/A	N/A	N/A	10
Dichlorobromomethane [Bromodichloromethane]	N/A	N/A	N/A	N/A	10
1,1-Dichloroethane	<10	N/A	N/A	N/A	10
1,2-Dichloroethane	<10	N/A	N/A	N/A	10
1,1-Dichloroethylene [1,1-Dichloroethene]	<10	N/A	N/A	N/A	10
1,2-Dichloropropane	<10	N/A	N/A	N/A	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<10	N/A	N/A	N/A	10
Ethylbenzene	<10	N/A	N/A	N/A	10
Methyl bromide [Bromomethane]	N/A	N/A	N/A	N/A	50
Methyl chloride [Chloromethane]	<50	N/A	N/A	N/A	50
Methylene chloride [Dichloromethane]	<20	N/A	N/A	N/A	20
1,1,2,2-Tetrachloroethane	N/A	N/A	N/A	N/A	10
Tetrachloroethylene [Tetrachloroethene]	<10	N/A	N/A	N/A	10
Toluene	<10	N/A	N/A	N/A	10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]	<10	N/A	N/A	N/A	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	<10	N/A	N/A	N/A	10
1,1,2-Trichloroethane	<10	N/A	N/A	N/A	10
Trichloroethylene [Trichloroethene]	<10	N/A	N/A	N/A	10
Vinyl chloride	<10	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 9 for Outfall No.: 002 **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)
2-Chlorophenol	<10	N/A	N/A	N/A	10
2,4-Dichlorophenol	<10	N/A	N/A	N/A	10
2,4-Dimethylphenol	<10	N/A	N/A	N/A	10
4,6-Dinitro-o-cresol	<10	N/A	N/A	N/A	50
2,4-Dinitrophenol	<10	N/A	N/A	N/A	50
2-Nitrophenol	<10	N/A	N/A	N/A	20
4-Nitrophenol	<10	N/A	N/A	N/A	50
p-Chloro-m-cresol	N/A	N/A	N/A	N/A	10
Pentachlorophenol	N/A	N/A	N/A	N/A	5
Phenol	<10	N/A	N/A	N/A	10
2,4,6-Trichlorophenol	N/A	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: 002 **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)
Acenaphthene	<10	N/A	N/A	N/A	10
Acenaphthylene	<10	N/A	N/A	N/A	10
Anthracene	<10	N/A	N/A	N/A	10
Benzidine	N/A	N/A	N/A	N/A	50
Benzo(a)anthracene	<5	N/A	N/A	N/A	5
Benzo(a)pyrene	<5	N/A	N/A	N/A	5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]	<10	N/A	N/A	N/A	10
Benzo(ghi)perylene	N/A	N/A	N/A	N/A	20
Benzo(k)fluoranthene	<5	N/A	N/A	N/A	5
Bis(2-chloroethoxy)methane	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	10
Bis(2-chloroisopropyl)ether	N/A	N/A	N/A	N/A	10
Bis(2-ethylhexyl)phthalate	<10	N/A	N/A	N/A	10
4-Bromophenyl phenyl ether	N/A	N/A	N/A	N/A	10
Butylbenzyl phthalate	N/A	N/A	N/A	N/A	10
2-Chloronaphthalene	N/A	N/A	N/A	N/A	10
4-Chlorophenyl phenyl ether	N/A	N/A	N/A	N/A	10
Chrysene	<5	N/A	N/A	N/A	5
Dibenzo(a,h)anthracene	N/A	N/A	N/A	N/A	5
1,2-Dichlorobenzene [o-Dichlorobenzene]	<10	N/A	N/A	N/A	10
1,3-Dichlorobenzene [m-Dichlorobenzene]	<10	N/A	N/A	N/A	10
1,4-Dichlorobenzene [p-Dichlorobenzene]	<10	N/A	N/A	N/A	10
3,3'-Dichlorobenzidine	N/A	N/A	N/A	N/A	5
Diethyl phthalate	<10	N/A	N/A	N/A	10
Dimethyl phthalate	<10	N/A	N/A	N/A	10
Di-n-butyl phthalate	<10	N/A	N/A	N/A	10
2,4-Dinitrotoluene	<10	N/A	N/A	N/A	10
2,6-Dinitrotoluene	<10	N/A	N/A	N/A	10
Di-n-octyl phthalate	N/A	N/A	N/A	N/A	10
1,2-Diphenylhydrazine (as Azobenzene)	N/A	N/A	N/A	N/A	20
Fluoranthene	<10	N/A	N/A	N/A	10
Fluorene	<10	N/A	N/A	N/A	10
Hexachlorobenzene	<5	N/A	N/A	N/A	5
Hexachlorobutadiene	<10	N/A	N/A	N/A	10
Hexachlorocyclopentadiene	N/A	N/A	N/A	N/A	10
Hexachloroethane	<20	N/A	N/A	N/A	20
Indeno(1,2,3-cd)pyrene	N/A	N/A	N/A	N/A	5
Isophorone	N/A	N/A	N/A	N/A	10
Naphthalene	<10	N/A	N/A	N/A	10
Nitrobenzene	<10	N/A	N/A	N/A	10
N-Nitrosodimethylamine	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	20
N-Nitrosodiphenylamine	N/A	N/A	N/A	N/A	20
Phenanthrene	<10	N/A	N/A	N/A	10
Pyrene	<10	N/A	N/A	N/A	10
1,2,4-Trichlorobenzene	<10	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 11 for Outfall No.: 002 **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	N/A	N/A	N/A	N/A	0.01
alpha-BHC [alpha-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
beta-BHC [beta-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
gamma-BHC [gamma-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
delta-BHC [delta-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
Chlordane	N/A	N/A	N/A	N/A	0.2
4,4'-DDT	N/A	N/A	N/A	N/A	0.02
4,4'-DDE	N/A	N/A	N/A	N/A	0.1
4,4'-DDD	N/A	N/A	N/A	N/A	0.1
Dieldrin	N/A	N/A	N/A	N/A	0.02
Endosulfan I (alpha)	N/A	N/A	N/A	N/A	0.01
Endosulfan II (beta)	N/A	N/A	N/A	N/A	0.02
Endosulfan sulfate	N/A	N/A	N/A	N/A	0.1
Endrin	N/A	N/A	N/A	N/A	0.02
Endrin aldehyde	N/A	N/A	N/A	N/A	0.1
Heptachlor	N/A	N/A	N/A	N/A	0.01
Heptachlor epoxide	N/A	N/A	N/A	N/A	0.01
PCB 1242	N/A	N/A	N/A	N/A	0.2
PCB 1254	N/A	N/A	N/A	N/A	0.2
PCB 1221	N/A	N/A	N/A	N/A	0.2
PCB 1232	N/A	N/A	N/A	N/A	0.2
PCB 1248	N/A	N/A	N/A	N/A	0.2

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

* Indicate units if different from µg/L.

Attachment: N/A

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
- ☒ 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 ☒ No

Description: Click to enter text.

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

Table 12 for Outfall No.: 002 **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	N/A	N/A	N/A	N/A	10
1,2,3,7,8-PeCDD	1.0	N/A	N/A	N/A	N/A	50
2,3,7,8-HxCDDs	0.1	N/A	N/A	N/A	N/A	50
1,2,3,4,6,7,8-HpCDD	0.01	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	10
1,2,3,7,8-PeCDF	0.03	N/A	N/A	N/A	N/A	50
2,3,4,7,8-PeCDF	0.3	N/A	N/A	N/A	N/A	50
2,3,7,8-HxCDFs	0.1	N/A	N/A	N/A	N/A	50
2,3,4,7,8-HpCDFs	0.01	N/A	N/A	N/A	N/A	50
OCDD	0.0003	N/A	N/A	N/A	N/A	100
OCDF	0.0003	N/A	N/A	N/A	N/A	100
PCB 77	0.0001	N/A	N/A	N/A	N/A	500
PCB 81	0.0003	N/A	N/A	N/A	N/A	500
PCB 126	0.1	N/A	N/A	N/A	N/A	500
PCB 169	0.03	N/A	N/A	N/A	N/A	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 ☒ 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 ☒ No

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

Table 13 for Outfall No.: 002 **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
N/A						

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 9 for Outfall No.: 003 **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)
Acrolein	N/A	N/A	N/A	N/A	50
Acrylonitrile	<20	N/A	N/A	N/A	50
Benzene	<10	N/A	N/A	N/A	10
Bromoform	N/A	N/A	N/A	N/A	10
Carbon tetrachloride	<2	N/A	N/A	N/A	2
Chlorobenzene	<10	N/A	N/A	N/A	10
Chlorodibromomethane	N/A	N/A	N/A	N/A	10
Chloroethane	<50	N/A	N/A	N/A	50
2-Chloroethylvinyl ether	N/A	N/A	N/A	N/A	10
Chloroform	<10	N/A	N/A	N/A	10
Dichlorobromomethane [Bromodichloromethane]	N/A	N/A	N/A	N/A	10
1,1-Dichloroethane	<10	N/A	N/A	N/A	10
1,2-Dichloroethane	<10	N/A	N/A	N/A	10
1,1-Dichloroethylene [1,1-Dichloroethene]	<10	N/A	N/A	N/A	10
1,2-Dichloropropane	<10	N/A	N/A	N/A	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<10	N/A	N/A	N/A	10
Ethylbenzene	<10	N/A	N/A	N/A	10
Methyl bromide [Bromomethane]	N/A	N/A	N/A	N/A	50
Methyl chloride [Chloromethane]	<50	N/A	N/A	N/A	50
Methylene chloride [Dichloromethane]	<20	N/A	N/A	N/A	20
1,1,2,2-Tetrachloroethane	N/A	N/A	N/A	N/A	10
Tetrachloroethylene [Tetrachloroethene]	<10	N/A	N/A	N/A	10
Toluene	<10	N/A	N/A	N/A	10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]	<10	N/A	N/A	N/A	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	<10	N/A	N/A	N/A	10
1,1,2-Trichloroethane	<10	N/A	N/A	N/A	10
Trichloroethylene [Trichloroethene]	<10	N/A	N/A	N/A	10
Vinyl chloride	<10	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: 003 **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)
2-Chlorophenol	<10	N/A	N/A	N/A	10
2,4-Dichlorophenol	<10	N/A	N/A	N/A	10
2,4-Dimethylphenol	<10	N/A	N/A	N/A	10
4,6-Dinitro-o-cresol	<10	N/A	N/A	N/A	50
2,4-Dinitrophenol	<10	N/A	N/A	N/A	50
2-Nitrophenol	<10	N/A	N/A	N/A	20
4-Nitrophenol	<10	N/A	N/A	N/A	50
p-Chloro-m-cresol	N/A	N/A	N/A	N/A	10
Pentachlorophenol	N/A	N/A	N/A	N/A	5
Phenol	<10	N/A	N/A	N/A	10
2,4,6-Trichlorophenol	N/A	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 11 for Outfall No.: 003 **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)
Acenaphthene	<10	N/A	N/A	N/A	10
Acenaphthylene	<10	N/A	N/A	N/A	10
Anthracene	<10	N/A	N/A	N/A	10
Benzidine	N/A	N/A	N/A	N/A	50
Benzo(a)anthracene	<5	N/A	N/A	N/A	5
Benzo(a)pyrene	<5	N/A	N/A	N/A	5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]	<10	N/A	N/A	N/A	10
Benzo(ghi)perylene	N/A	N/A	N/A	N/A	20
Benzo(k)fluoranthene	<5	N/A	N/A	N/A	5
Bis(2-chloroethoxy)methane	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	10
Bis(2-chloroisopropyl)ether	N/A	N/A	N/A	N/A	10
Bis(2-ethylhexyl)phthalate	<10	N/A	N/A	N/A	10
4-Bromophenyl phenyl ether	N/A	N/A	N/A	N/A	10
Butylbenzyl phthalate	N/A	N/A	N/A	N/A	10
2-Chloronaphthalene	N/A	N/A	N/A	N/A	10
4-Chlorophenyl phenyl ether	N/A	N/A	N/A	N/A	10
Chrysene	<5	N/A	N/A	N/A	5
Dibenzo(a,h)anthracene	N/A	N/A	N/A	N/A	5
1,2-Dichlorobenzene [o-Dichlorobenzene]	<10	N/A	N/A	N/A	10
1,3-Dichlorobenzene [m-Dichlorobenzene]	<10	N/A	N/A	N/A	10
1,4-Dichlorobenzene [p-Dichlorobenzene]	<10	N/A	N/A	N/A	10
3,3'-Dichlorobenzidine	N/A	N/A	N/A	N/A	5
Diethyl phthalate	<10	N/A	N/A	N/A	10
Dimethyl phthalate	<10	N/A	N/A	N/A	10
Di-n-butyl phthalate	<10	N/A	N/A	N/A	10
2,4-Dinitrotoluene	<10	N/A	N/A	N/A	10
2,6-Dinitrotoluene	<10	N/A	N/A	N/A	10
Di-n-octyl phthalate	N/A	N/A	N/A	N/A	10
1,2-Diphenylhydrazine (as Azobenzene)	N/A	N/A	N/A	N/A	20
Fluoranthene	<10	N/A	N/A	N/A	10
Fluorene	<10	N/A	N/A	N/A	10
Hexachlorobenzene	<5	N/A	N/A	N/A	5
Hexachlorobutadiene	<10	N/A	N/A	N/A	10
Hexachlorocyclopentadiene	N/A	N/A	N/A	N/A	10
Hexachloroethane	<20	N/A	N/A	N/A	20
Indeno(1,2,3-cd)pyrene	N/A	N/A	N/A	N/A	5
Isophorone	N/A	N/A	N/A	N/A	10
Naphthalene	<10	N/A	N/A	N/A	10
Nitrobenzene	<10	N/A	N/A	N/A	10
N-Nitrosodimethylamine	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	20
N-Nitrosodiphenylamine	N/A	N/A	N/A	N/A	20
Phenanthrene	<10	N/A	N/A	N/A	10
Pyrene	<10	N/A	N/A	N/A	10
1,2,4-Trichlorobenzene	<10	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 12 for Outfall No.: 003 **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	N/A	N/A	N/A	N/A	0.01
alpha-BHC [alpha-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
beta-BHC [beta-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
gamma-BHC [gamma-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
delta-BHC [delta-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
Chlordane	N/A	N/A	N/A	N/A	0.2
4,4'-DDT	N/A	N/A	N/A	N/A	0.02
4,4'-DDE	N/A	N/A	N/A	N/A	0.1
4,4'-DDD	N/A	N/A	N/A	N/A	0.1
Dieldrin	N/A	N/A	N/A	N/A	0.02
Endosulfan I (alpha)	N/A	N/A	N/A	N/A	0.01
Endosulfan II (beta)	N/A	N/A	N/A	N/A	0.02
Endosulfan sulfate	N/A	N/A	N/A	N/A	0.1
Endrin	N/A	N/A	N/A	N/A	0.02
Endrin aldehyde	N/A	N/A	N/A	N/A	0.1
Heptachlor	N/A	N/A	N/A	N/A	0.01
Heptachlor epoxide	N/A	N/A	N/A	N/A	0.01
PCB 1242	N/A	N/A	N/A	N/A	0.2
PCB 1254	N/A	N/A	N/A	N/A	0.2
PCB 1221	N/A	N/A	N/A	N/A	0.2
PCB 1232	N/A	N/A	N/A	N/A	0.2
PCB 1248	N/A	N/A	N/A	N/A	0.2

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

* Indicate units if different from µg/L.

Attachment: N/A

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
- ☒ 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 ☒ No

Description: Click to enter text.

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

Table 13 for Outfall No.: 003 **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	N/A	N/A	N/A	N/A	10
1,2,3,7,8-PeCDD	1.0	N/A	N/A	N/A	N/A	50
2,3,7,8-HxCDDs	0.1	N/A	N/A	N/A	N/A	50
1,2,3,4,6,7,8-HpCDD	0.01	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	10
1,2,3,7,8-PeCDF	0.03	N/A	N/A	N/A	N/A	50
2,3,4,7,8-PeCDF	0.3	N/A	N/A	N/A	N/A	50
2,3,7,8-HxCDFs	0.1	N/A	N/A	N/A	N/A	50
2,3,4,7,8-HpCDFs	0.01	N/A	N/A	N/A	N/A	50
OCDD	0.0003	N/A	N/A	N/A	N/A	100
OCDF	0.0003	N/A	N/A	N/A	N/A	100
PCB 77	0.0001	N/A	N/A	N/A	N/A	500
PCB 81	0.0003	N/A	N/A	N/A	N/A	500
PCB 126	0.1	N/A	N/A	N/A	N/A	500
PCB 169	0.03	N/A	N/A	N/A	N/A	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 ☒ 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 ☒ No

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

Table 14 for Outfall No.: 003 **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
N/A						

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 15 for Outfall No.: 004 **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)
Acrolein	N/A	N/A	N/A	N/A	50
Acrylonitrile	<20	N/A	N/A	N/A	50
Benzene	<10	N/A	N/A	N/A	10
Bromoform	N/A	N/A	N/A	N/A	10
Carbon tetrachloride	<2	N/A	N/A	N/A	2
Chlorobenzene	<10	N/A	N/A	N/A	10
Chlorodibromomethane	N/A	N/A	N/A	N/A	10
Chloroethane	<50	N/A	N/A	N/A	50
2-Chloroethylvinyl ether	N/A	N/A	N/A	N/A	10
Chloroform	<10	N/A	N/A	N/A	10
Dichlorobromomethane [Bromodichloromethane]	N/A	N/A	N/A	N/A	10
1,1-Dichloroethane	<10	N/A	N/A	N/A	10
1,2-Dichloroethane	<10	N/A	N/A	N/A	10
1,1-Dichloroethylene [1,1-Dichloroethene]	<10	N/A	N/A	N/A	10
1,2-Dichloropropane	<10	N/A	N/A	N/A	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<10	N/A	N/A	N/A	10
Ethylbenzene	<10	N/A	N/A	N/A	10
Methyl bromide [Bromomethane]	N/A	N/A	N/A	N/A	50
Methyl chloride [Chloromethane]	<50	N/A	N/A	N/A	50
Methylene chloride [Dichloromethane]	<20	N/A	N/A	N/A	20
1,1,2,2-Tetrachloroethane	N/A	N/A	N/A	N/A	10
Tetrachloroethylene [Tetrachloroethene]	<10	N/A	N/A	N/A	10
Toluene	<10	N/A	N/A	N/A	10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]	<10	N/A	N/A	N/A	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	<10	N/A	N/A	N/A	10
1,1,2-Trichloroethane	<10	N/A	N/A	N/A	10
Trichloroethylene [Trichloroethene]	<10	N/A	N/A	N/A	10
Vinyl chloride	<10	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 16 for Outfall No.: 004 **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)
2-Chlorophenol	<10	N/A	N/A	N/A	10
2,4-Dichlorophenol	<10	N/A	N/A	N/A	10
2,4-Dimethylphenol	<10	N/A	N/A	N/A	10
4,6-Dinitro-o-cresol	<10	N/A	N/A	N/A	50
2,4-Dinitrophenol	<10	N/A	N/A	N/A	50
2-Nitrophenol	<10	N/A	N/A	N/A	20
4-Nitrophenol	<10	N/A	N/A	N/A	50
p-Chloro-m-cresol	N/A	N/A	N/A	N/A	10
Pentachlorophenol	N/A	N/A	N/A	N/A	5
Phenol	<10	N/A	N/A	N/A	10
2,4,6-Trichlorophenol	N/A	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 17 for Outfall No.: 004 **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)
Acenaphthene	<10	N/A	N/A	N/A	10
Acenaphthylene	<10	N/A	N/A	N/A	10
Anthracene	<10	N/A	N/A	N/A	10
Benzidine	N/A	N/A	N/A	N/A	50
Benzo(a)anthracene	<5	N/A	N/A	N/A	5
Benzo(a)pyrene	<5	N/A	N/A	N/A	5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]	<10	N/A	N/A	N/A	10
Benzo(ghi)perylene	N/A	N/A	N/A	N/A	20
Benzo(k)fluoranthene	<5	N/A	N/A	N/A	5
Bis(2-chloroethoxy)methane	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	10
Bis(2-chloroisopropyl)ether	N/A	N/A	N/A	N/A	10
Bis(2-ethylhexyl)phthalate	<10	N/A	N/A	N/A	10
4-Bromophenyl phenyl ether	N/A	N/A	N/A	N/A	10
Butylbenzyl phthalate	N/A	N/A	N/A	N/A	10
2-Chloronaphthalene	N/A	N/A	N/A	N/A	10
4-Chlorophenyl phenyl ether	N/A	N/A	N/A	N/A	10
Chrysene	<5	N/A	N/A	N/A	5
Dibenzo(a,h)anthracene	N/A	N/A	N/A	N/A	5
1,2-Dichlorobenzene [o-Dichlorobenzene]	<10	N/A	N/A	N/A	10
1,3-Dichlorobenzene [m-Dichlorobenzene]	<10	N/A	N/A	N/A	10
1,4-Dichlorobenzene [p-Dichlorobenzene]	<10	N/A	N/A	N/A	10
3,3'-Dichlorobenzidine	N/A	N/A	N/A	N/A	5
Diethyl phthalate	<10	N/A	N/A	N/A	10
Dimethyl phthalate	<10	N/A	N/A	N/A	10
Di-n-butyl phthalate	<10	N/A	N/A	N/A	10
2,4-Dinitrotoluene	<10	N/A	N/A	N/A	10
2,6-Dinitrotoluene	<10	N/A	N/A	N/A	10
Di-n-octyl phthalate	N/A	N/A	N/A	N/A	10
1,2-Diphenylhydrazine (as Azobenzene)	N/A	N/A	N/A	N/A	20
Fluoranthene	<10	N/A	N/A	N/A	10
Fluorene	<10	N/A	N/A	N/A	10
Hexachlorobenzene	<5	N/A	N/A	N/A	5
Hexachlorobutadiene	<10	N/A	N/A	N/A	10
Hexachlorocyclopentadiene	N/A	N/A	N/A	N/A	10
Hexachloroethane	<20	N/A	N/A	N/A	20
Indeno(1,2,3-cd)pyrene	N/A	N/A	N/A	N/A	5
Isophorone	N/A	N/A	N/A	N/A	10
Naphthalene	<10	N/A	N/A	N/A	10
Nitrobenzene	<10	N/A	N/A	N/A	10
N-Nitrosodimethylamine	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	20
N-Nitrosodiphenylamine	N/A	N/A	N/A	N/A	20
Phenanthrene	<10	N/A	N/A	N/A	10
Pyrene	<10	N/A	N/A	N/A	10
1,2,4-Trichlorobenzene	<10	N/A	N/A	N/A	10

* Indicate units if different from µg/L.

Table 18 for Outfall No.: 004 **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	N/A	N/A	N/A	N/A	0.01
alpha-BHC [alpha-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
beta-BHC [beta-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
gamma-BHC [gamma-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
delta-BHC [delta-Hexachlorocyclohexane]	N/A	N/A	N/A	N/A	0.05
Chlordane	N/A	N/A	N/A	N/A	0.2
4,4'-DDT	N/A	N/A	N/A	N/A	0.02
4,4'-DDE	N/A	N/A	N/A	N/A	0.1
4,4'-DDD	N/A	N/A	N/A	N/A	0.1
Dieldrin	N/A	N/A	N/A	N/A	0.02
Endosulfan I (alpha)	N/A	N/A	N/A	N/A	0.01
Endosulfan II (beta)	N/A	N/A	N/A	N/A	0.02
Endosulfan sulfate	N/A	N/A	N/A	N/A	0.1
Endrin	N/A	N/A	N/A	N/A	0.02
Endrin aldehyde	N/A	N/A	N/A	N/A	0.1
Heptachlor	N/A	N/A	N/A	N/A	0.01
Heptachlor epoxide	N/A	N/A	N/A	N/A	0.01
PCB 1242	N/A	N/A	N/A	N/A	0.2
PCB 1254	N/A	N/A	N/A	N/A	0.2
PCB 1221	N/A	N/A	N/A	N/A	0.2
PCB 1232	N/A	N/A	N/A	N/A	0.2
PCB 1248	N/A	N/A	N/A	N/A	0.2

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

* Indicate units if different from µg/L.

Attachment: N/A

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
- ☒ 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 ☒ No

Description: Click to enter text.

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

Table 19 for Outfall No.: 004 **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	N/A	N/A	N/A	N/A	10
1,2,3,7,8-PeCDD	1.0	N/A	N/A	N/A	N/A	50
2,3,7,8-HxCDDs	0.1	N/A	N/A	N/A	N/A	50
1,2,3,4,6,7,8-HpCDD	0.01	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	10
1,2,3,7,8-PeCDF	0.03	N/A	N/A	N/A	N/A	50
2,3,4,7,8-PeCDF	0.3	N/A	N/A	N/A	N/A	50
2,3,7,8-HxCDFs	0.1	N/A	N/A	N/A	N/A	50
2,3,4,7,8-HpCDFs	0.01	N/A	N/A	N/A	N/A	50
OCDD	0.0003	N/A	N/A	N/A	N/A	100
OCDF	0.0003	N/A	N/A	N/A	N/A	100
PCB 77	0.0001	N/A	N/A	N/A	N/A	500
PCB 81	0.0003	N/A	N/A	N/A	N/A	500
PCB 126	0.1	N/A	N/A	N/A	N/A	500
PCB 169	0.03	N/A	N/A	N/A	N/A	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 ☒ 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 ☒ No

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

Table 20 for Outfall No.: 004 **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
N/A						

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: >400 feet

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 direction from 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: Click to enter text.

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 **existing discharges**, check the description below that best characterizes the area **upstream** of the discharge.

For **new discharges**, 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: Click to enter text.

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

☐ Yes ☐ No

If **yes**, describe how: Click to enter text.

f. General observations of the water body during normal dry weather conditions: Click to enter text.

Date and time of observation: Click to enter text.

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

☐ Yes ☐ No

If **yes**, describe how: Click to enter text.

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: Click to enter text.

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
☐ other, specify: Click to enter text.

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

☐ **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 stormwater as 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 ☐ 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
002	☐	☒
003	☐	☒
004	☐	☒
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

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 outfall for 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: 7 (Figure 2)

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)
002	87.3 acres	97 acres
003	19.5	78
004	27.5	110

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

Wettest month: May

Average rainfall for wettest month (total inches): 0.476 inches/day

25-year, 24-hour rainfall (inches): 6.2

Source: Southern Regional Climate Center

c. Attach an inventory, or list, of materials currently handled at the facility that may be exposed to precipitation. **Attachment:** 9

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:** Industrial processes expected in Area 2 are natural gas cleanup system and servicing, source water demineralization, and cleaning of turbine drives and compressors. Areas 1, 2, and 3 may include such activities as truck loading/unloading, equipment washdown, work surface cleaning, exterior building washdown, emergency fire system tests, and hydrostatic tests.

e. Describe any BMPs and controls the facility uses/proposes to prevent or effectively reduce pollution in stormwater discharges from the facility: Structural controls and operational practices and nonstructural controls: SWPPP, SPCC, ERP, Terminal OperationProcedures, etc. (See Section 4.3 of application narrative). Structural controls include concrete curbing, covered roof buildings, secondary containment dikes, drainage sumps, and oil booms, etc. (See Section 4.3 of the application narrative.)

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): The facility has not discharged – Data is per BPJ.

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.: 002

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) 9.0	—	(min) 6.0	—	N/A	—
Total suspended solids	<100	N/A	<50	N/A	N/A	—
Chemical oxygen demand	<50	N/A	<50	N/A	N/A	—
Total organic carbon	<50	N/A	<50	N/A	N/A	—
Oil and grease	<15	N/A	<15	N/A	N/A	—
Arsenic, total	<0.0005	N/A	<0.0005	N/A	N/A	0.0005
Barium, total	<0.003	N/A	<0.003	N/A	N/A	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)
Cadmium, total	<0.001	N/A	<0.001	N/A	N/A	0.001
Chromium, total	<0.003	N/A	<0.003	N/A	N/A	0.003
Chromium, trivalent	<0.003	N/A	<0.003	N/A	N/A	—
Chromium, hexavalent	<0.003	N/A	<0.003	N/A	N/A	0.003
Copper, total	<0.002	N/A	<0.002	N/A	N/A	0.002
Lead, total	<0.0005	N/A	<0.0005	N/A	N/A	0.0005
Mercury, total	<0.000005	N/A	<0.000005	N/A	N/A	0.000005
Nickel, total	>0.002	N/A	>0.002	N/A	N/A	0.002
Selenium, total	<0.005	N/A	<0.005	N/A	N/A	0.005
Silver, total	<0.0005	N/A	<0.0005	N/A	N/A	0.0005
Zinc, total	<0.005	N/A	<0.005	N/A	N/A	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.: 002

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
BOD	<10	N/A	<5	N/A	N/A
Total phosphorous	<2.5	N/A	<1	N/A	N/A
Total Kjeldahl nitrogen	<5	N/A	<2	N/A	N/A
Total Nitrogen	<5	N/A	<5	N/A	N/A
Nitrate/Nitrite	<5	N/A	<2	N/A	N/A

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: N/A

Table 17 for Outfall No.: 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)
pH (standard units)	(max) 9.0	—	(min) 6.0	—	N/A	—
Total suspended solids	<100	N/A	<50	N/A	N/A	—
Chemical oxygen demand	<50	N/A	<50	N/A	N/A	—
Total organic carbon	<50	N/A	<50	N/A	N/A	—
Oil and grease	<15	N/A	<15	N/A	N/A	—
Arsenic, total	<0.0005	N/A	<0.0005	N/A	N/A	0.0005
Barium, total	<0.003	N/A	<0.003	N/A	N/A	0.003
Cadmium, total	<0.001	N/A	<0.001	N/A	N/A	0.001
Chromium, total	<0.003	N/A	<0.003	N/A	N/A	0.003
Chromium, trivalent	<0.003	N/A	<0.003	N/A	N/A	—
Chromium, hexavalent	<0.003	N/A	<0.003	N/A	N/A	0.003
Copper, total	<0.002	N/A	<0.002	N/A	N/A	0.002
Lead, total	<0.0005	N/A	<0.0005	N/A	N/A	0.0005
Mercury, total	<0.000005	N/A	<0.000005	N/A	N/A	0.000005
Nickel, total	>0.002	N/A	>0.002	N/A	N/A	0.002
Selenium, total	<0.005	N/A	<0.005	N/A	N/A	0.005
Silver, total	<0.0005	N/A	<0.0005	N/A	N/A	0.0005
Zinc, total	<0.005	N/A	<0.005	N/A	N/A	0.005

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

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

Table 18 for Outfall No.: 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
BOD	<10	N/A	<5	N/A	N/A
Total phosphorous	<2.5	N/A	<1	N/A	N/A
Total Kjeldahl nitrogen	<5	N/A	<2	N/A	N/A
Total Nitrogen	<5	N/A	<5	N/A	N/A
Nitrate/Nitrite	<5	N/A	<2	N/A	N/A

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

Attachment: N/A

Table 17 for Outfall No.: 004

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) 9.0	—	(min) 6.0	—	N/A	—
Total suspended solids	<100	N/A	<50	N/A	N/A	—
Chemical oxygen demand	<50	N/A	<50	N/A	N/A	—
Total organic carbon	<50	N/A	<50	N/A	N/A	—
Oil and grease	<15	N/A	<15	N/A	N/A	—
Arsenic, total	<0.0005	N/A	<0.0005	N/A	N/A	0.0005
Barium, total	<0.003	N/A	<0.003	N/A	N/A	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)
Cadmium, total	<0.001	N/A	<0.001	N/A	N/A	0.001
Chromium, total	<0.003	N/A	<0.003	N/A	N/A	0.003
Chromium, trivalent	<0.003	N/A	<0.003	N/A	N/A	—
Chromium, hexavalent	<0.003	N/A	<0.003	N/A	N/A	0.003
Copper, total	<0.002	N/A	<0.002	N/A	N/A	0.002
Lead, total	<0.0005	N/A	<0.0005	N/A	N/A	0.0005
Mercury, total	<0.000005	N/A	<0.000005	N/A	N/A	0.000005
Nickel, total	>0.002	N/A	>0.002	N/A	N/A	0.002
Selenium, total	<0.005	N/A	<0.005	N/A	N/A	0.005
Silver, total	<0.0005	N/A	<0.0005	N/A	N/A	0.0005
Zinc, total	<0.005	N/A	<0.005	N/A	N/A	0.005

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

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

Table 18 for Outfall No.: 004

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
BOD	<10	N/A	<5	N/A	N/A
Total phosphorous	<2.5	N/A	<1	N/A	N/A
Total Kjeldahl nitrogen	<5	N/A	<2	N/A	N/A
Total Nitrogen	<5	N/A	<5	N/A	N/A
Nitrate/Nitrite	<5	N/A	<2	N/A	N/A

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: N/A

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: N/A – The facility has not discharged. Data is per BPJ

Duration of storm event (minutes): N/A

Total rainfall during storm event (inches): N/A

Number of hours the between beginning of the storm measured and the end of the previous measurable storm event (hours): N/A

Maximum flow rate during rain event (gallons/minute): N/A

Total stormwater flow from rain event (gallons): N/A

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

Flow data was estimated using the Rational Method; Q=C*i*A. See Table 4 of the application narrative.

ATTACHMENT 1

PAYMENT VOUCHER

(TCEQ-20893 1.e)

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	747500
Trace Number:	582EA000649749
Date:	02/06/2025 12:44 PM
Payment Method:	CC - Authorization 0000640550
Voucher Amount:	$1,200.00
Fee Type:	WW PERMIT - MINOR FACILITY SUBJECT TO 40 CFR 400-471 - RENEWAL
ePay Actor:	MONICA EUES

Payment Contact Information

Name:	MONICA EUES
Company:	CK
Address:	8591 UNITED PLAZA BLVD, BATON ROUGE, LA 70809
Phone:	225-281-1727

Site Information

Site Name:	PORT ARTHUR LNG LLC
Site Address:	3570 S GULFWAY DRIVE, PORT ARTHUR, TX 77642
Site Location:	3570 S GULFWAY DRIVE PORT ARTHUR TX 77642

Customer Information

Customer Name:	PORT ARTHUR LNG LLC
Customer Address:	1500 POST OAK BOULEVARD SUITE, HOUSTON, TX 77056
State Tax ID:	32069499831

Other Information

Program Area ID:	TX0134088

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	747501
Trace Number:	582EA000649749
Date:	02/06/2025 12:44 PM
Payment Method:	CC - Authorization 0000640550
Voucher Amount:	$15.00
Fee Type:	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE
ePay Actor:	MONICA EUES

Payment Contact Information

Name:	MONICA EUES
Company:	CK
Address:	8591 UNITED PLAZA BLVD, BATON ROUGE, LA 70809
Phone:	225-281-1727

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number:	582EA000649749
Date:	02/06/2025 12:44 PM
Payment Method:	CC - Authorization 0000640550
ePay Actor:	MONICA EUES
Actor Email:	monica.eues@c-ka.com
IP:	12.201.222.34
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:	MONICA EUES
Company:	CK
Address:	8591 UNITED PLAZA BLVD, BATON ROUGE, LA 70809
Phone:	225-281-1727

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
747500	WW PERMIT - MINOR FACILITY SUBJECT TO 40 CFR 400-471 - RENEWAL		$1,200.00
747501	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		$15.00
		TCEQ Amount:	$1,215.00

ePay Again | Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

ATTACHMENT 2

CORE DATA FORM

(TCEQ-10400)

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)*
CN 604794834		RN 104517826

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 2/5/2025

☐ 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:*

Port Arthur LNG, LLC

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
0803216060	32069499831	832816146	117207011

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:

Port Arthur LNG, LLC
1500 Post Oak Boulevard, Suite 1000

City	State	ZIP	ZIP + 4
Houston	TX	77056	

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*

(832) 284-5685		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

Port Arthur LNG, LLC

23. Street Address of the Regulated Entity: ***(No PO Boxes)***								
	3570 S Gulfway Drive							
	City	Port Arthur	**State**	TX	**ZIP**	77642	**ZIP + 4**	
24. County	Jefferson							

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**
N/A					

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:	N/A		**28. Longitude (W) In Decimal:**	N/A	
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)
4922	N/A	221210	N/A

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

Natural gas liquifaction and export.

34. Mailing Address:								
	1500 Post Oak Blvd., Suite 1000							
	City	**Houston**	**State**	**TX**	**ZIP**	**77056**	**ZIP + 4**	
35. E-Mail Address:	**jdthompson@sempraglobal.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(832) 284-5685	**N/A**	**( ) -**

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
	WQ0005411000			
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0005411000			

SECTION IV: Preparer Information

40. Name:	Monica S. Eues	41. Title:	Environmental Scientist

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(225) 923-6946	N/A	( ) -N/A	monica.eues@c-ka.com

SECTION V: Authorized Signature

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

Company:	Port Arthur LNG, LLC	Job Title:	Manager, Permitting and Compliance
Name *(In Print)*:	Jim Thompson	Phone:	(832) 284- 5685
Signature:		Date:	02/20/2026

ATTACHMENT 3

PLAIN LANGUAGE SUMMARY

(TCEQ-20893 7.e)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

Port Arthur LNG, LLC (PALNG) (CN604794834) operates Port Arthur LNG (RN104517826), a natural gas liquefaction plant and export terminal that is currently under construction. The facility is located at 3570 S Gulfway Drive, in Port Arthur, Jefferson County, Texas 77642. PALNG is currently permitted under TPDES Permit No. WQ000541100 which expires March 31, 2025. PALNG requests renewal of the existing TPDES Permit.

PALNG is authorized to discharge wastewater from four final outfalls (Outfalls 001, 002, 003, and 004) and one internal outfall (Outfall 101). Discharge from the outfalls is expected to be intermittent. Outfall 001 discharges consist of process wastewater, non-process wastewater, and storm water and the estimated average flow is less than 0.0008 million gallons daily (mgd). Outfalls 002, 003, and 004 discharges consist of non-process wastewater and storm water and estimated average flows are less than 1.08, 0.6, and 0.85 mgd, respectively. Outfall 101 is an internal outfall that discharges hydrostatic test wastewater with an estimated average flow of less than 0.00003. Outfall 101 is permitted to discharge via any of the four final outfalls.

Discharges from the facility may contain total residual chlorine, oil and grease, total suspended solids, total organic carbon, benzene, and BTEX. Monitoring for these parameters is required as a condition of the permit. The following are believed present but below minimum analytical levels (MALs): nitrate-nitrite, phosphorous, sulfate, chromium, copper, lead, nickel, zinc, cyanide, volatile compounds, acid compounds, and base-neutral compounds. PALNG will employ numerous structural controls and operational practices to minimize the potential for releases of pollutants. The facility will use containment ponds, concrete curbing, covered roof buildings, secondary containment dikes, drainage sumps, and oil booms to minimize pollutants from entering the drainage system. Discharges from the facility are not expected to have any adverse environmental on human health or the environment.

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

AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

Port Arthur LNG, LLC (PALNG) (CN604794834) opera Port Arthur LNG (RN104517826), una planta de licuefacción de gas natural y terminal de exportación que actualmente se encuentra en construcción. La instalación está ubicada en 3570 S Gulfway Drive, en Port Arthur, condado de Jefferson, Texas 77642. PALNG actualmente está autorizada bajo el Permiso TPDES N.˚ WQ000541100 que vence el 31 de marzo de 2025. PALNG solicita la renovación del Permiso TPDES existente.

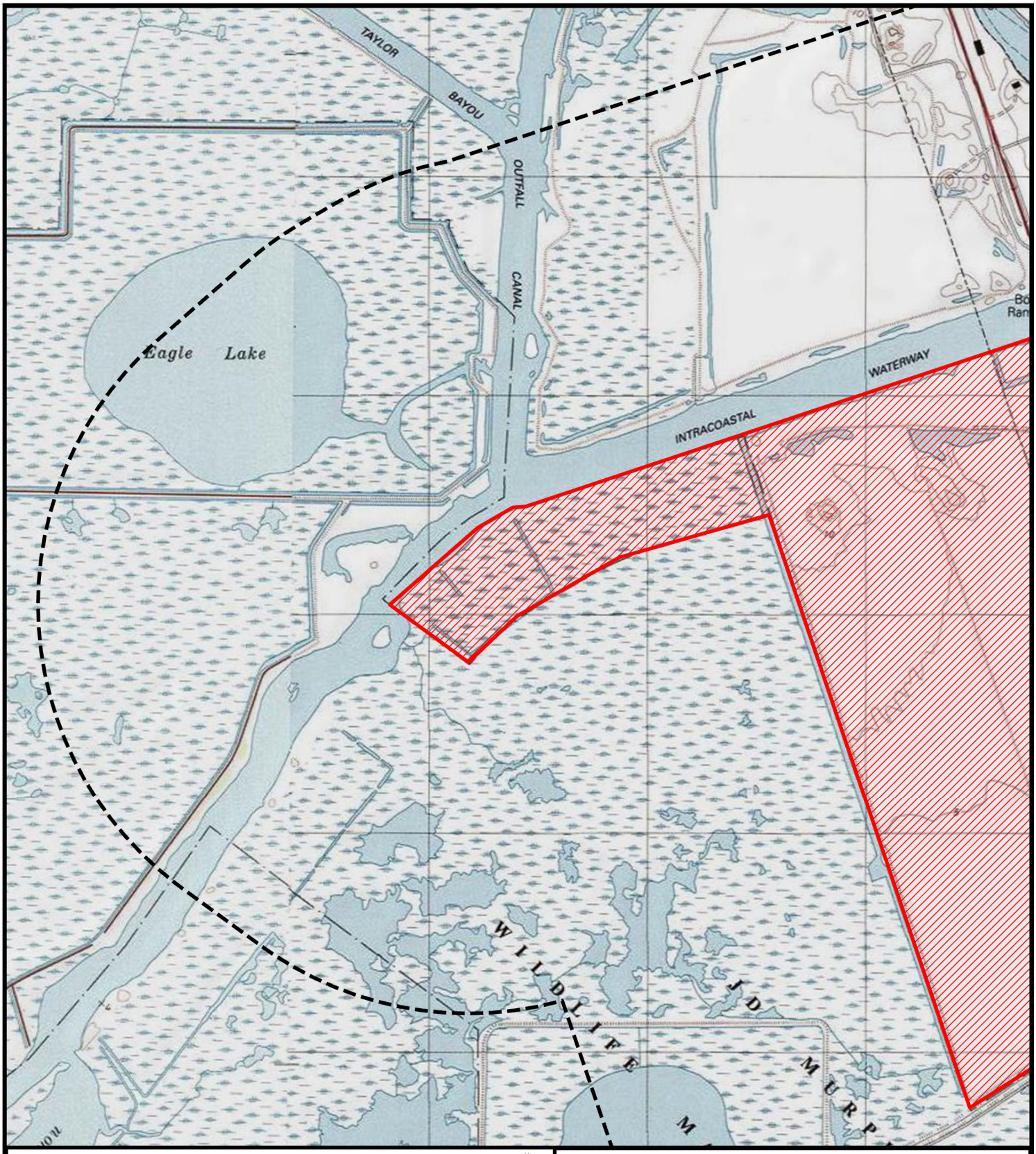
PALNG está autorizada a descargar aguas residuales de cuatro emisarios finales (emisarios 001, 002, 003 y 004) y un emisario interno (emisario 101). Se espera que la descarga en los emisarios sea intermitente. Las descargas del emisario 001 consisten en aguas residuales de proceso, aguas residuales no procesadas y aguas pluviales, y el caudal promedio estimado es inferior a 0,0008 millones de galones diarios (mgd). Las descargas de los emisarios 002, 003 y 004 consisten en aguas residuales no procesadas y aguas pluviales, y los caudales promedio estimados son inferiores a 1,08, 0,6 y 0,85 mgd, respectivamente. El emisario 101 es un emisario interno que descarga aguas residuales de prueba hidrostática con un caudal promedio estimado inferior a 0,00003. El emisario 101 puede descargar a través de cualquiera de los cuatro emisarios finales.

Las descargas de la instalación pueden contener cloro residual total, aceite y grasa, sólidos suspendidos totales, carbono orgánico total, benceno y BTEX. El control de estos parámetros es una condición necesaria para el permiso. Se cree que los siguientes contaminantes están presentes, pero por debajo de los niveles analíticos mínimos (MAL): nitrato-nitrito, fósforo, sulfato, cromo, cobre, plomo, níquel, zinc, cianuro, compuestos volátiles, compuestos ácidos y compuestos neutros básicos. PALNG empleará numerosos controles estructurales y prácticas operativas para minimizar el potencial de liberación de contaminantes. La instalación utilizará estanques de contención, bordillos de hormigón, edificios con techos cubiertos, diques de contención secundarios, sumideros de drenaje y barreras de contención de petróleo para minimizar la entrada de contaminantes al sistema de drenaje. No se espera que los vertidos de la instalación tengan ningún efecto ambiental adverso sobre la salud humana o el medio ambiente.

ATTACHMENT 4

TOPOGRAPHIC MAP - FIGURES 4A, 4B, 4C, 4D

(TCEQ-20893 9.b)



Site Boundary
1-Mile Radius
Outfall Location
Discharge Route

0 2,000
Feet

N
S

Jefferson County

esri Partner Network Silver

USGS Topographic Map

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Port Arthur LNG, LLC
Houston, Texas

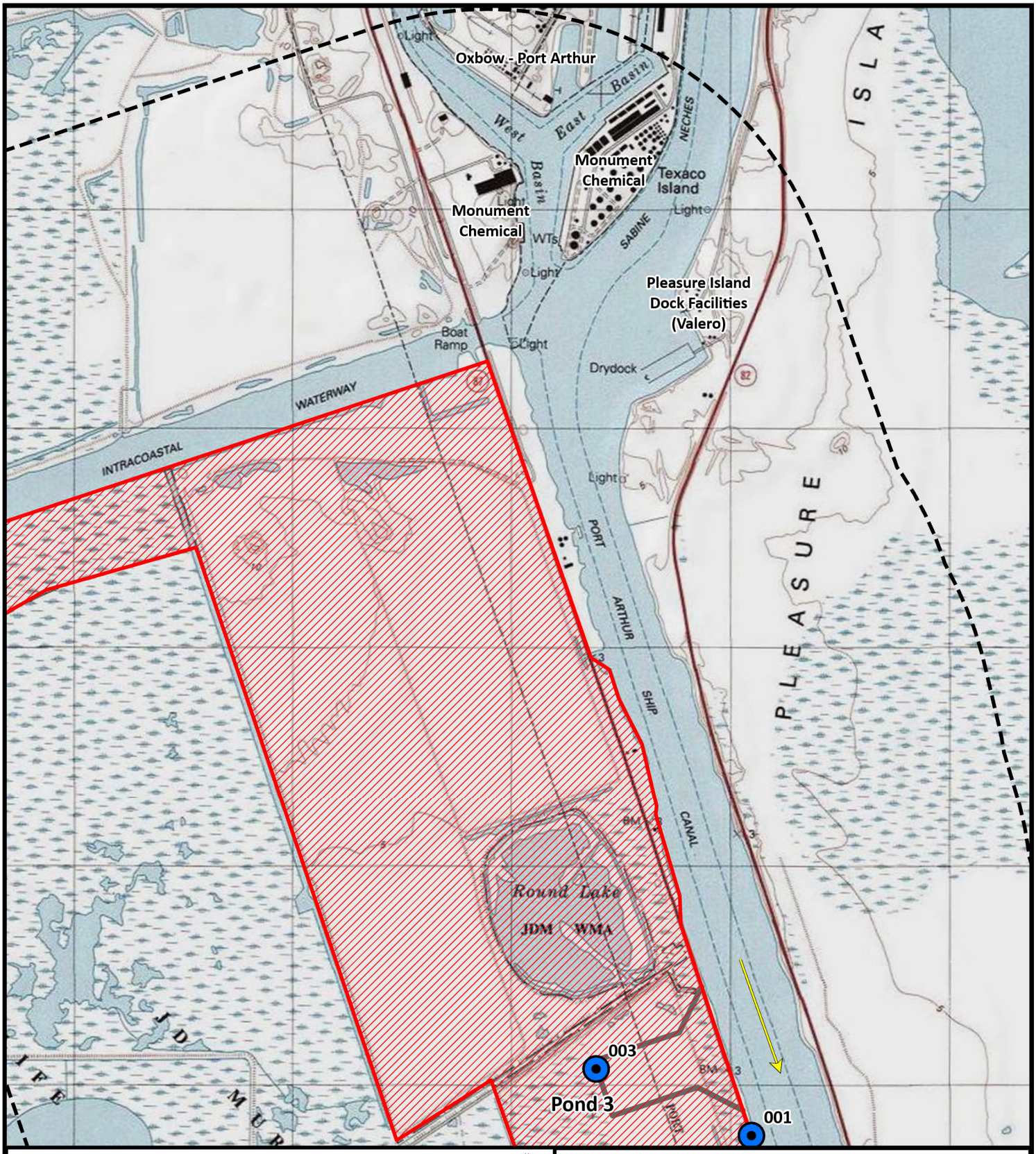
PALNG TPDES Permit Renewal Application

Topographic Map

Jefferson County, Texas

CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/05/2025	Approved:	ABS
Dwg. No.:	PJ001035	**Figure 4A**	



Port Arthur LNG, LLC
Houston, Texas

PALNG TPDES Permit Renewal Application

Topographic Map

Jefferson County, Texas

CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/05/2025	Approved:	ABS
Dwg. No.:	PJ001035	**Figure 4B**	

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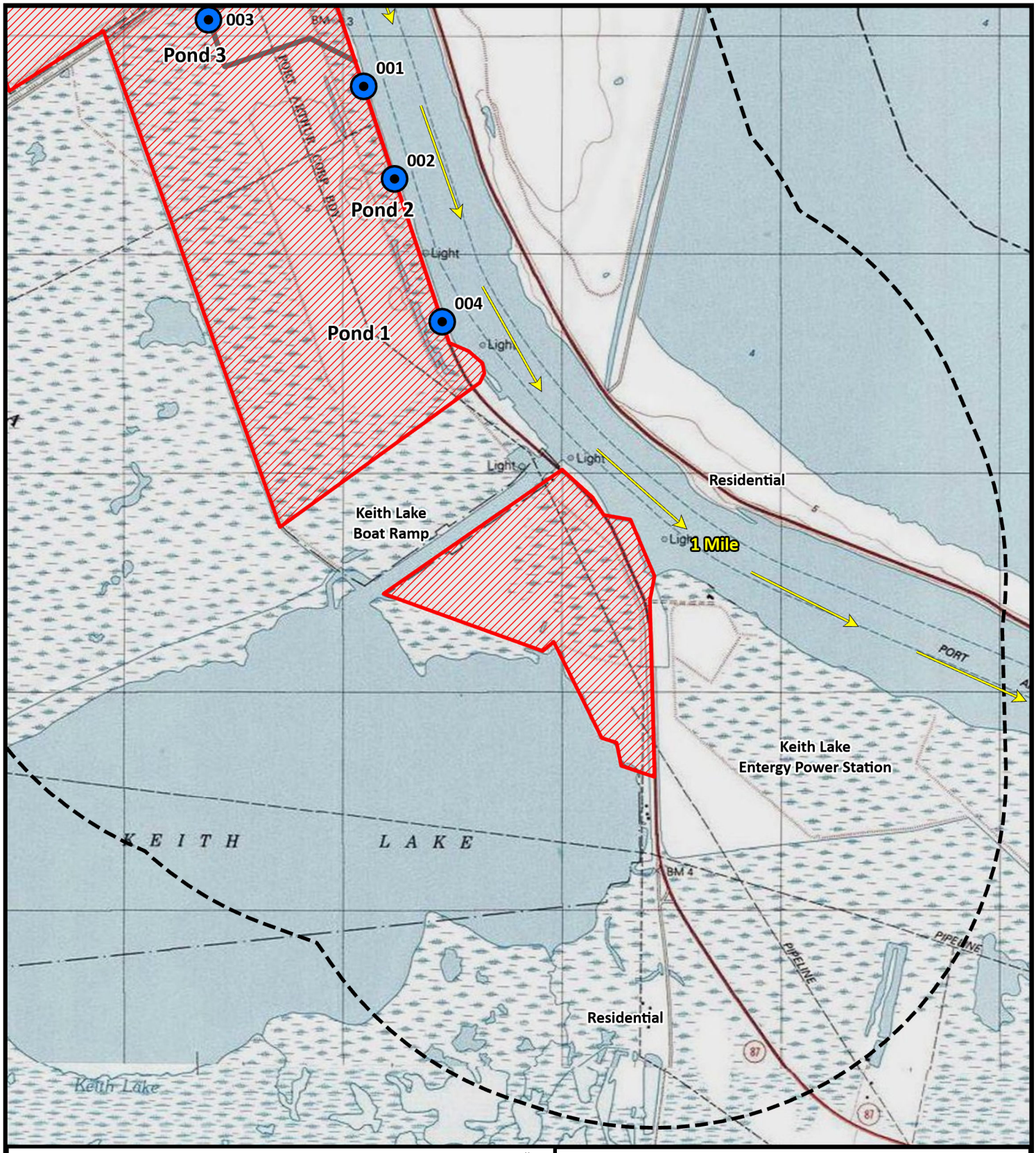

Site Boundary

1-Mile Radius

Outfall Location

Discharge Route

0 2,000 Feet

N S

Jefferson County

USGS Topographic Map

Port Arthur LNG, LLC

Houston, Texas

PALNG TPDES Permit Renewal Application

Topographic Map

Jefferson County, Texas

CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/05/2025	Approved:	ABS
Dwg. No.:	PJ001035	**Figure 4C**	

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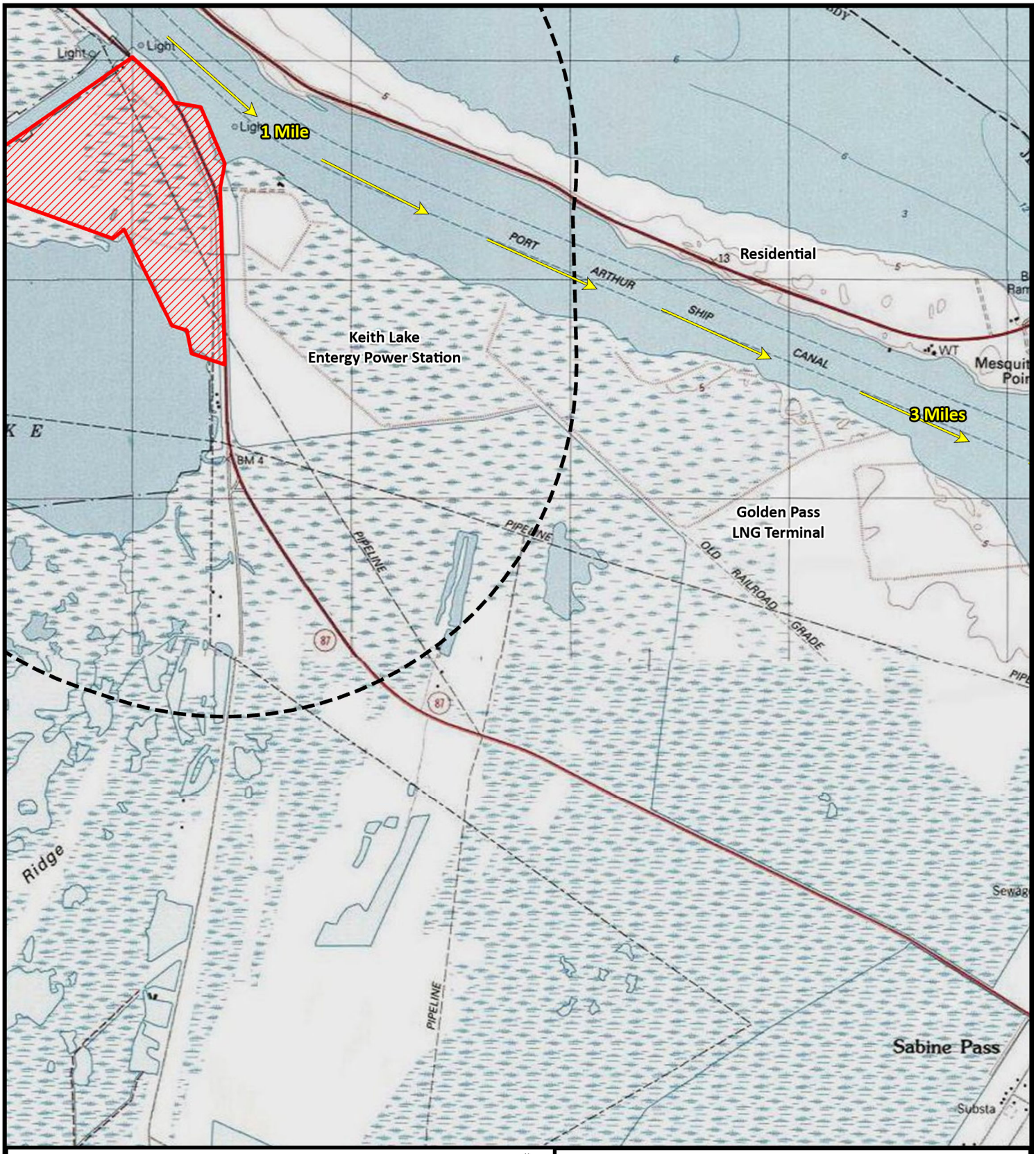

Site Boundary

1-Mile Radius

Outfall Location

Discharge Route

0 2,000

Feet

N

S

USGS Topographic Map

Port Arthur LNG, LLC

Houston, Texas

PALNG TPDES Permit Renewal Application

Topographic Map

Jefferson County, Texas

CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/05/2025	Approved:	ABS
Dwg. No.:	PJ001035	**Figure 4D**	

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ATTACHMENT 5

SUPPLEMENTAL PERMIT INFORMATION FORM

(TCEQ-20971)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

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

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

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

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

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

The following applies to all applications:

1. Permittee: Port Arthur LNG, LLC

   Permit No. WQ00 005411000 EPA ID No. TX 0134088

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

   3570 S Gulfway Drive, Port Arthur, TX 77642

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: Jim Thompson

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text.

Title: Manager, Permitting and Compliance

Mailing Address: 1500 Post Oak Boulevard, Suite 1000

City, State, Zip Code: Houston, TX 77056

Phone No.: 832-284-5685 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: jdthompson@sempraglobal.com

2. List the county in which the facility is located: Jefferson
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.

All outfalls discharge to the Sabine-Neches Waterway (Segment 0703) directly or indirectly via pump outfall pipes located on the east side of the facility.

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):

Current site development includes 488 acres for the construction of 2 liquefaction trains, liquefied natural gas storage tanks, marine berthing area, and miscellaneous operational/administrative facilities. .

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

Prior to construction, the property was primarily vacant except for pipelines and drainage ditches. A municipal water system water main pipeline was relocated as part of the project.

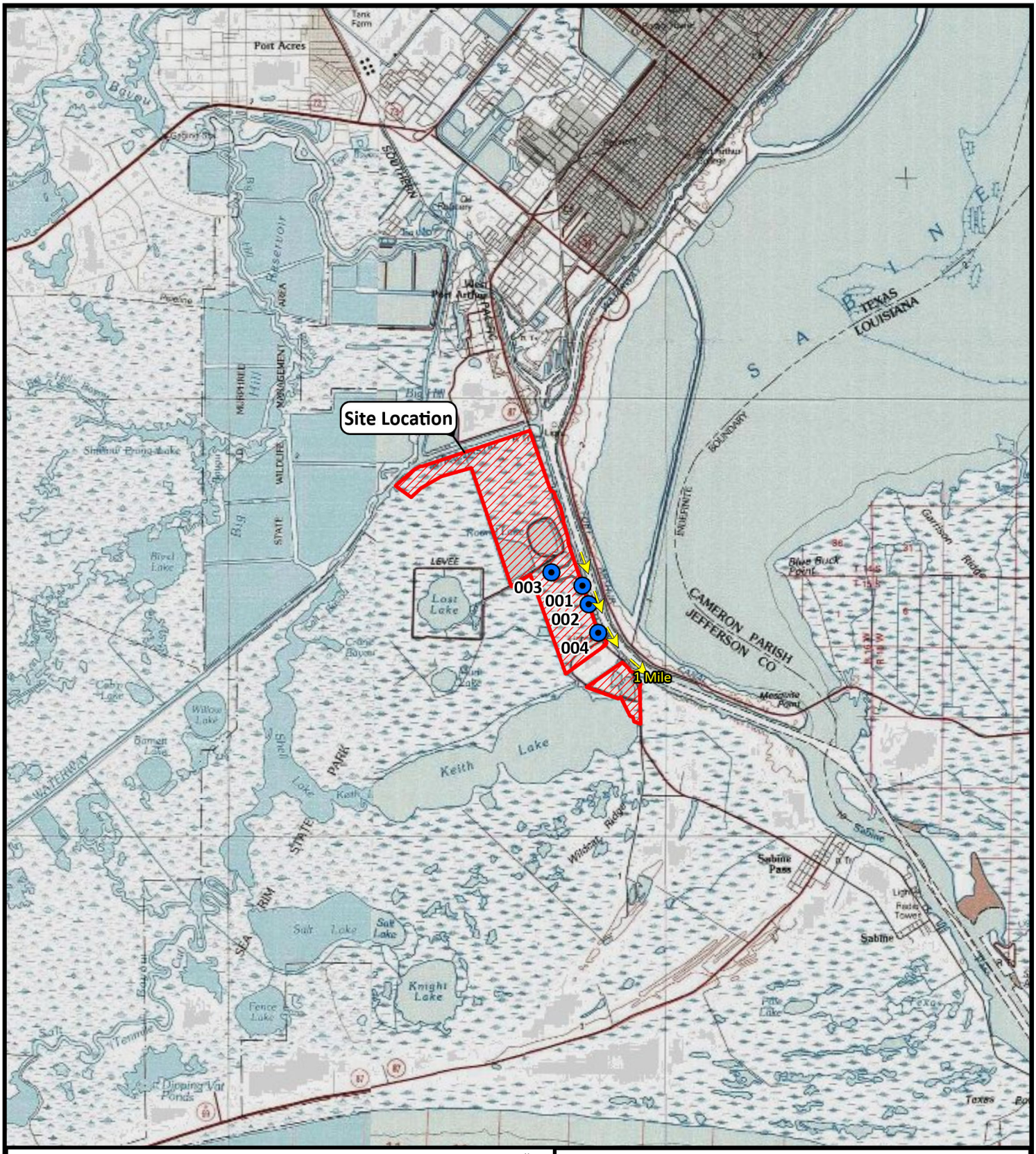
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

N/A – This is a renewal application.

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

N/A – This is a renewal application.



USGS Topographic Map

Port Arthur LNG, LLC
Houston, Texas

PALNG TPDES Permit Renewal Application

Site Location Map

Jefferson County, Texas

CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/05/2025	Approved:	ABS
Dwg. No.:	PJ001035	**Figure 1**	

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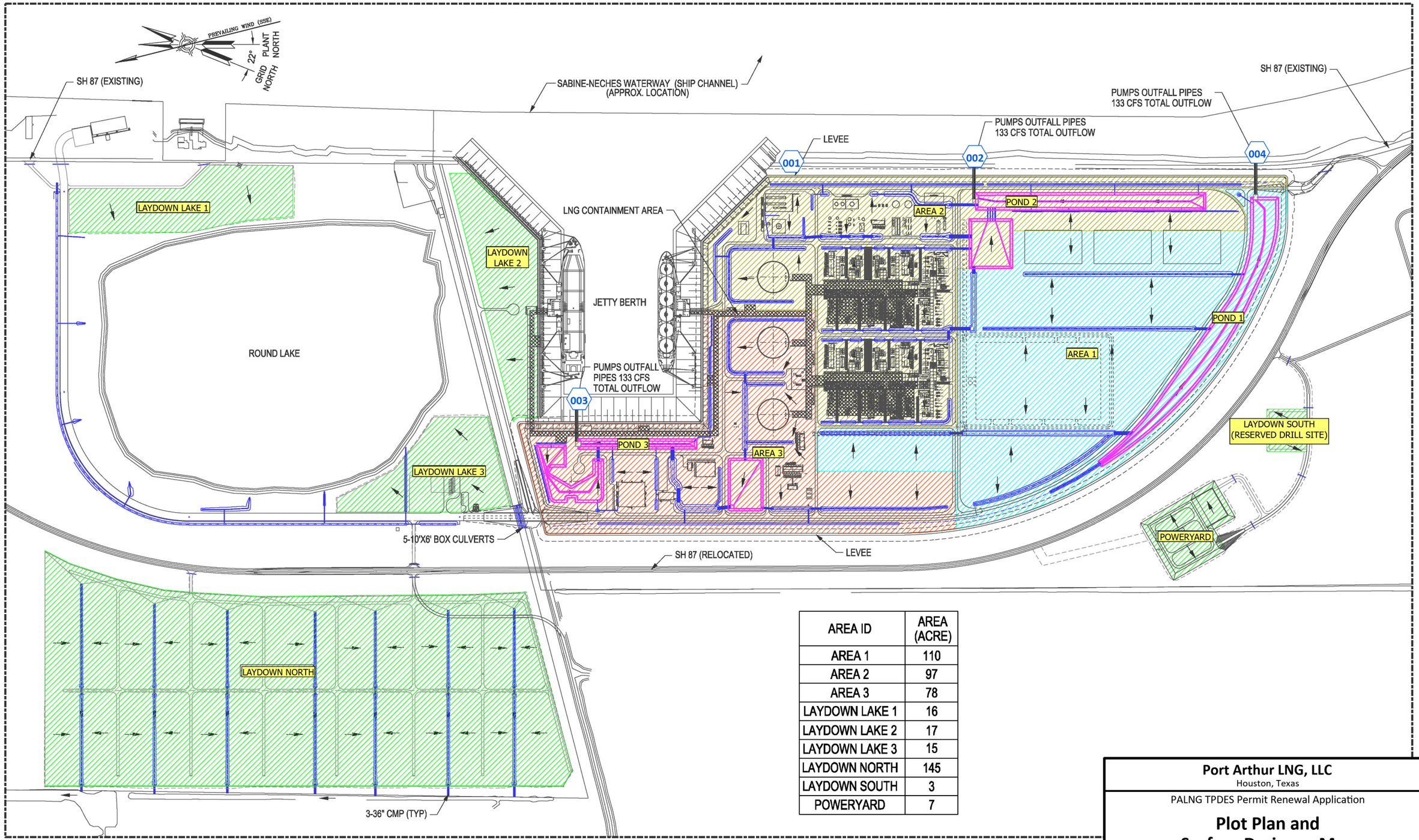
ATTACHMENT 6

PLOT PLAN AND SURFACE DRAINAGE MAP - FIGURE 2

(TCEQ-10055.d)



AREA ID	AREA (ACRE)
AREA 1	110
AREA 2	97
AREA 3	78
LAYDOWN LAKE 1	16
LAYDOWN LAKE 2	17
LAYDOWN LAKE 3	15
LAYDOWN NORTH	145
LAYDOWN SOUTH	3
POWERYARD	7

001 Outfall Location

Map from Port Arthur LNG, Drawing No. PAL-PJT-CIV-DWG-00-X-2150, Rev. 00A, Dated 03-06-2019.

Port Arthur LNG, LLC
Houston, Texas

PALNG TPDES Permit Renewal Application

Plot Plan and Surface Drainage Map

Jefferson County, Texas

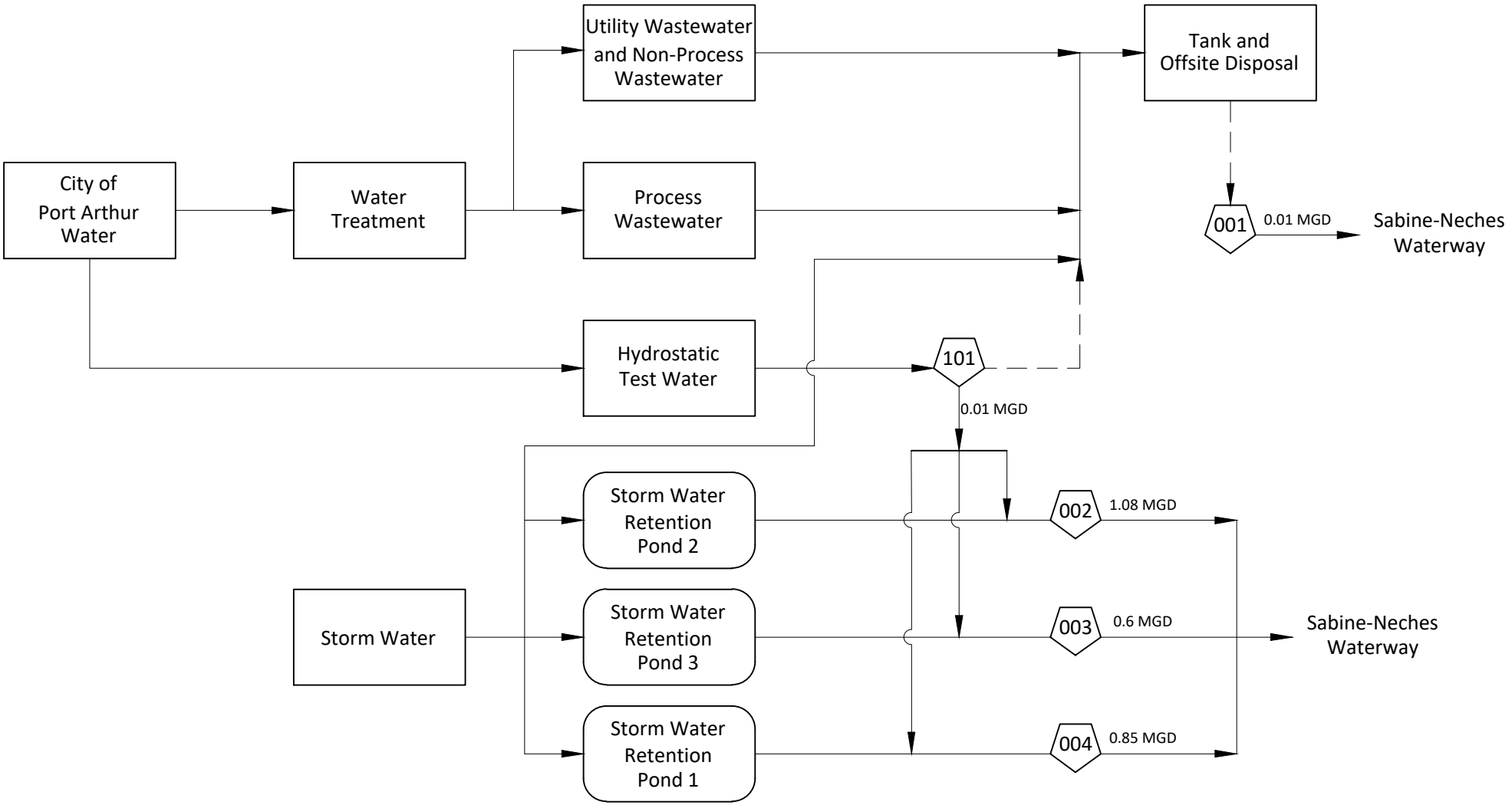
CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/03/2025	Approved:	ABS
Dwg. No.:	PJ001035		Figure 2

ATTACHMENT 7

WATER/WASTEWATER FLOW DIAGRAM - FIGURE 3

(TCEQ-10055 2.b)



Legend

001 Outfall

— — — Alternate Routing

Notes:

- Flow rates are based on maximum 30-day average based on 14.75 inches of precipitation that occurred during May 2024.
- Flow rates are in million gallons per day (MGD).

Port Arthur LNG, LLC
Houston, Texas

PALNG TPDES Permit Renewal Application

Water/Wastewater Flow Diagram

Jefferson County, Texas

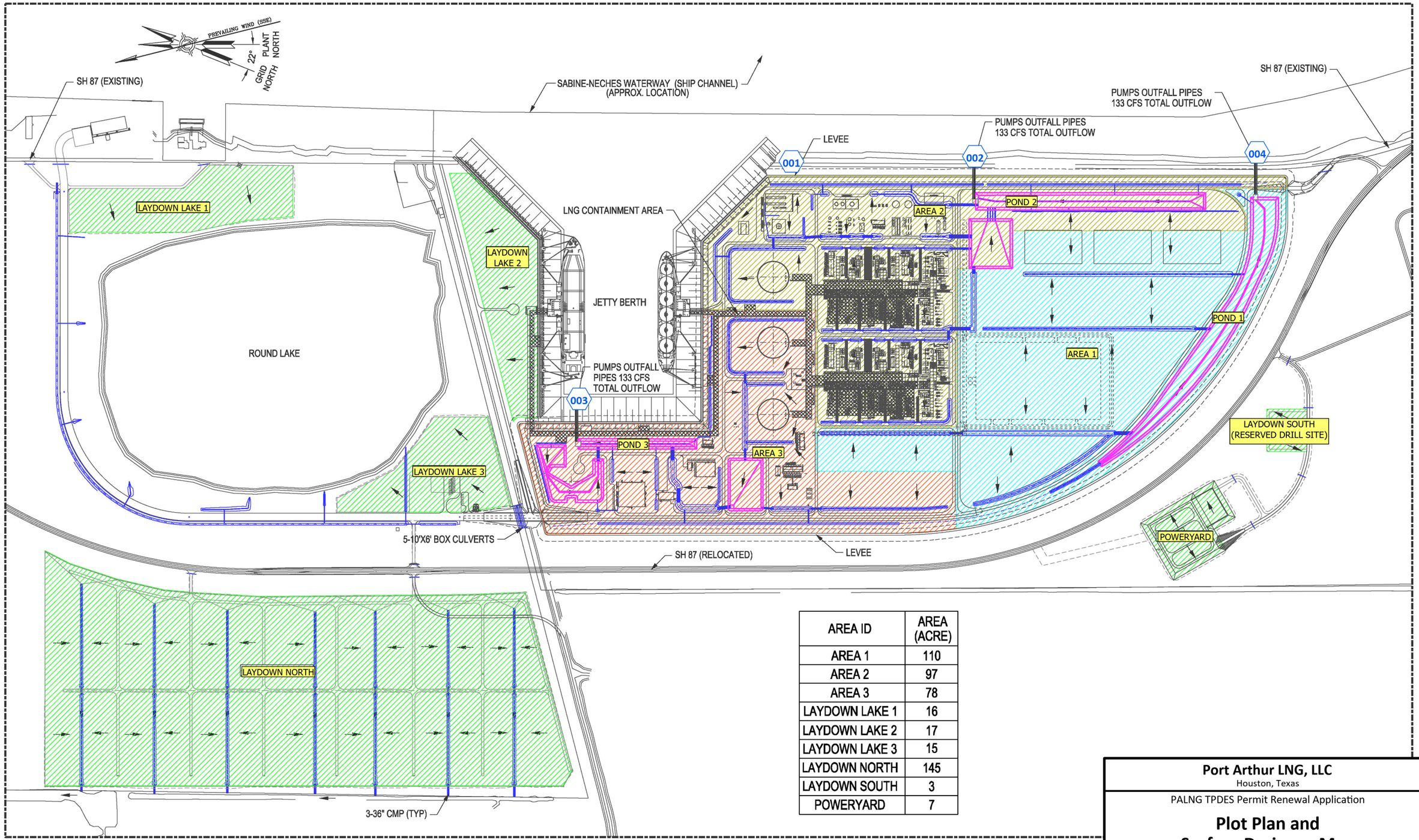
CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/03/2025	Approved:	ABS
Dwg. No.:	PJ001035-01	**Figure 3**	

ATTACHMENT 8

PLOT PLAN AND SURFACE DRAINAGE MAP - FIGURE 2

(WORKSHEET 7.0)



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LAYDOWN LAKE 1	16
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LAYDOWN NORTH	145
LAYDOWN SOUTH	3
POWERYARD	7

001 Outfall Location

Map from Port Arthur LNG, Drawing No. PAL-PJT-CIV-DWG-00-X-2150, Rev. 00A, Dated 03-06-2019.

Port Arthur LNG, LLC
Houston, Texas

PALNG TPDES Permit Renewal Application

Plot Plan and Surface Drainage Map

Jefferson County, Texas

CK Associates Environmental Consultants

Drawn:	APS	Checked:	MSE
Date:	02/03/2025	Approved:	ABS
Dwg. No.:	PJ001035		Figure 2

ATTACHMENT 9

LIST OF SIGNIFICANT MATERIALS - TABLE 4

(WORKSHEET 7.0, 4.c)

TABLE 4
LIST OF SIGNIFICANT MATERIALS

AREA	SIGNIFICANT MATERIALS
Refrigerants	Liquid Nitrogen Liquid Propane Ethylene Mixed Refrigerants (nitrogen, methane, ethylene, and propane)
Hydrocarbon Storage	Off gas (to fuel gas system) Liquefied petroleum gas (LPG, C_3 & C_4 compounds to Liquefaction Train) Stabilized condensate products (C_5^+ storage tanks) Diesel storage tanks (emergency power backup, fleet services, etc.) Recovered oil storage tanks Lubrication oils and grease Hydraulic fluids/oils
Natural Gas Cleanup	MDEA (weak and strong solutions, CO_2 removal from NG)
Utilities	Glycol solutions/storage tanks (closed-loop cooling water heat exchangers) Hot Oil (Therminol 59 or equivalent, closed-loop process heating) Mineral oil (transformers, power house, switch gear, etc.)
Chemicals	Water treatment system (see Table 2)
Final Product	LNG