Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
   - Inglés
   - Idioma alternativo (español)
2. Primer aviso (NORI, el Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
   - Inglés
   - Idioma alternativo (español)
3. Solicitud original

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

The Goodyear Tire & Rubber Company (CN600616049) operates Goodyear Houston Chemical Plant (RN100870898), a manufacturer of emulsion styrene-butadiene rubber. The facility is located at 2000 Goodyear Drive, in Houston, Harris County, Texas 77017. The facility is requesting a renewal of its existing wastewater permit with a minor amendment to remove internal outfall 101 for sanitary sewage which is no longer discharging. *<<For TLAP applications include the following sentence, otherwise delete:>>*

Discharges from the facility are expected to contain temperature, total suspended solids, ammonia as nitrogen, carbonaceous biochemical oxygen demand, oil and grease, total chromium, total copper, free cyanide, phenols, total zinc and pH. Process wastewater commingled with miscellaneous cleaning wastes, treated cooling tower blowdown, treated stormwater is treated by a primary solids separator, thence to a series of aerated and non-aerated lagoons.

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

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

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

Goodyear Tire & Rubber Company ((CN600616049)) opera Goodyear Houston Chemical Plant (RN100870898), un fabricante de caucho de estireno-butadieno en emulsión. La instalación está ubicada en 2000 Goodyear Drive, en Houston, Condado de Harris, Texas 77017. La instalación está solicitando una renovación de su permiso de aguas residuales existente con una enmienda menor para eliminar el emisario interno 101 para aguas residuales sanitarias que ya no descarga. *<<Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:>>*

Se espera que las descargas de la instalación contengan temperatura, sólidos suspendidos totales, amoníaco como nitrógeno, demanda bioquímica de oxígeno carbonoso, aceite y grasa, cromo total, cobre total, cianuro libre, fenoles, zinc total y pH. Las aguas residuales del proceso mezcladas con desechos diversos de limpieza, purga de torres de enfriamiento tratadas y aguas pluviales tratadas se tratan mediante un separador primario de sólidos y de allí a una serie de lagunas aireadas y no aireadas. 16. Elija del menú desplegable tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0000520000

APPLICATION. The Goodyear Tire & Rubber Company, P.O. Box 5397, Houston, Texas 77262, which owns an emulsion crumb rubber and latex manufacturing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0000520000 (EPA I.D. No. TX0003689) to authorize the discharge of treated wastewater commingled with miscellaneous cleaning wastes, treated cooling tower blowdown, treated stormwater at a volume not to exceed a daily average flow of 2,900,000 gallons per day via Outfall 001; and the discharge of stormwater at an intermittent and flow variable rate via Outfall 002. The facility is located at 2000 Goodyear Drive, in the city of Houston, in Harris County, Texas 77017. The discharge route is from the plant site to Sims Bayou Tidal, which is portion of the Houston Ship Channel/Buffalo Bayou Tidal. TCEQ received this application on April 19, 2024. The permit application will be available for viewing and copying at TCEQ Region 12, 3rd floor, 5425 Polk Avenue, Suite H, Houston, 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/cafo-applicationsThis link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.256388,29.704166&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 The Goodyear Tire & Rubber Company at the address stated above or by calling Mr. Charlie Mingo, Environmental Team Lead, at 409-794-5282.

Issuance Date: June 20, 2024

Comisión de Calidad Ambiental del Estado de Texas

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

PERMISO NO. WQ000520000

SOLICITUD. The Goodyear Tire & Rubber Company, P.O. Box 5397, Houston, Texas 77262, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0000520000 (EPA I.D. No. TX0003689) 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 2,900,000 million galones por día. La instalación está ubicada en 2000 Goodyear Drive, en la ciudad de Houston, en el condado de Harris, Texas 77017. La ruta de descarga es desde el sitio de la planta hasta Sims Bayou Tidal, parte del Canal de Navegación de Houston/Buffalo Bayou Tidal. TCEQ recibió esta solicitud el 19 de abril de 2024. La solicitud de permiso estará disponible para su visualización y copia en TCEQ Región 12, 3er piso, 5425 Polk Avenue, Suite H, Houston, Texas antes de la fecha en que se publique este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.256388,29.704166&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.

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

También se puede obtener más información de The Goodyear Tire & Rubber Company en la dirección indicada anteriormente o llamando al Sr. Charlie Mingo, Líder del Equipo Ambiental, al 409-794-5282.

Fecha de emission 20 de junio de 2024

The Goodyear Tire & Rubber Company
HOUSTON CHEMICAL PLANT
2000 GOODYEAR DRIVE
HOUSTON, TEXAS 77017

Your Ref.: WQ0000520000
GHD Ref.: 12634521-TCEQ-1

April 18, 2024

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

Industrial Wastewater Discharge Permit Application Renewal with Minor Amendment
The Goodyear Tire & Rubber Company - Goodyear Houston Chemical Plant
TPDES Permit No. WQ0000520000
CN604531012
RN100883024

Dear Sir or Madam:

The Goodyear Tire & Rubber Company (Goodyear) submits the enclosed permit application (Attachment A) in support of the renewal of Texas Pollutant Discharge Elimination System (TPDES) Industrial Discharge Permit No. WQ0000520000 (Permit) for the Goodyear Houston Chemical Plant located at 2000 Goodyear Drive, Houston, Harris County, Texas (Site).

Goodyear manufactures emulsion Styrene Butadiene (SBR) crumb rubber and concentrated SBR latex products. Goodyear is requesting a renewal of the current permit with a minor amendment to remove internal Outfall 101. Internal Outfall 101 is no longer required.

The enclosed Industrial Wastewater Discharge Permit Application packet includes one copy with wet original signatures and two copies of the application packet. An electronic version of the application packet will also be provided to the Texas Commission on Environmental Quality (TCEQ).

Please note that the enclosed Industrial Wastewater Discharge Permit Application packet does not include completed Industrial Wastewater Permit Application Worksheet 2.0: Pollutant Analysis and Worksheet 7.0 Stormwater Discharges Associated with Industrial Activities. Sampling is in progress but has not been completed. The results of the pollutant analyses are not yet available and will be provided to TCEQ at a future date.

Should you have any questions regarding the above information, please do not hesitate to contact Charlie Mingo of Goodyear at (409) 794-5282.

Regards,

Charlie Mingo

Charlie Mingo
Chemical Business Team Leader Environmental

BD/jlf/1

Encl.: Attachment A - TPDES Industrial Wastewater Discharge Permit Application

Attachment A

TPDES Industrial Wastewater Discharge Permit Application

TCEQ - Industrial Wastewater Permit Application Checklist

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

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

APPLICANT NAME: The Goodyear Tire & Rubber Company

PERMIT NUMBER (If new, leave blank): WQ00 00520000

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

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

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

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

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

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

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

Applicant Name: The Goodyear Tire & Rubber Company

Permit No.: WQ0000520000

EPA ID No.: TX003689

Expiration Date: October 16, 2024

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

☒ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

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

☒ Active ☐ Inactive

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

☒ TPDES Permit ☐ TLAP ☐ TPDES with TLAP component

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

☐ New

☒ Renewal with changes

☐ Renewal without changes

☐ Major amendment with renewal

☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

f. If applying for an amendment or modification, describe the request: Remove outfall 101.

For TCEQ Use Only

Segment Number _____ County _____

Expiration Date _____ Region _____

Permit Number _____

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

g. Application Fee

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

h. Payment Information

Mailed

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

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

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

Epay

Voucher number: 699673. 699674

Copy of voucher attachment: Attachment 1a, 1b

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN600616049

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

b. Legal name of the entity (applicant) applying for this permit: The Goodyear Tire & Rubber Company

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

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

Prefix: Mr. Full Name (Last/First Name): Thomas V. Baldauf

Title: Site Manager Credential: Click to enter text.

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

---

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

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

☒ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

☐ Yes ☐ No

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

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

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

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

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

a. ☒ Administrative Contact . ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Charlie Mingo

Title: Environmental Team Lead Credential: Click to enter text.

Organization Name: The Goodyear Tire & Rubber Company

Mailing Address: 11357 IH-10 SW at Smith Road City/State/Zip: Beaumont/Texas/77705

Phone No: 409.794.5282 Email: charlie_mingo@goodyear.com

b. ☒ Administrative Contact ☐ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Thomas V. Baldauf

Title: Site Manager Credential: Click to enter text.

Organization Name: The Goodyear Tire & Rubber Company

Mailing Address: 2000 Goodyear Drive City/State/Zip: Houston/Texas/77017

Phone No: 713.475.5401 Email: tom_baldauf@goodyear.com

Attachment: N/A

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

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

a. Prefix: Mr. Full Name (Last/First Name): Charlie Mingo

Title: Environmental Team Lead Credential: Click to enter text.

Organization Name: The Goodyear Tire & Rubber Company

Mailing Address: 11357 IH-10 at Smith Road City/State/Zip: Beaumont/Texas/77705

Phone No: 409.794.5282 Email: charlie_mingo@goodyear.com

b. Prefix: Mr. Full Name (Last/First Name): Thomas V. Baldauf

Title: Site Manager Credential: Click to enter text.

Organization Name: The Goodyear Tire & Rubber Company

Mailing Address: 2000 Goodyear Drive City/State/Zip: Houston/Texas/77017

Phone No: 713.475.5401 Email: tom_baldauf@goodyear.com

Attachment: N/A

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

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

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

Prefix: Mr. Full Name (Last/First Name): Charlie Mingo

Title: Environmental Team Lead Credential: Click to enter text.

Organization Name: The Goodyear Tire & Rubber Company

Mailing Address: 11357 IH-10 at Smith Road City/State/Zip: Beaumont/Texas/77705

Phone No: 409.794.5282 Email: charlie_mingo@goodyear.com

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

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

Prefix: Mr. Full Name (Last/First Name): Timothy Roberson

Title: Environmental Technician - skilled Credential: Click to enter text.

Organization Name: The Goodyear Tire & Rubber Company

Mailing Address: 11357 I-10 City/State/Zip: Beaumont/Texas/77705

Phone No: 409.794.5429 Email: timothy_roberson@goodyear.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Charlie Mingo

Title: Environmental Team Lead Credential: Click to enter text.

Organization Name: The Goodyear Tire & Rubber Company

Mailing Address: 11357 IH-10 at Smith oad City/State/Zip: Houston/Texas/77705

Phone No: 409.794.5282 Email: charlie_mingo@goodyear.com

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

☒ E-mail: Charlie_mingo@goodyear.com

☐ Fax: Click to enter text.

☒ Regular Mail (USPS)

Mailing Address: 11357 IH-10 at Smith Road

City/State/Zip Code: Beaumont/Texas/77705

c. Contact in the Notice

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

Title: Environmental Team Lead Credential: Click to enter text.

Organization Name: The Goodyear Tire & Rubber Company

Phone No: 409.794.5282 Email: charlie_mingo@goodyear.com

d. Public Viewing Location Information

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

Public building name: TCEQ – Region 12 Location within the building: 3rd Floor

Physical Address of Building: 5425 Polk Avenue, Suite H

City: Houston County: Harris

e. Bilingual Notice Requirements

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

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

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

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

☒ 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 ☐ N/A

5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

f. Plain Language Summary Template - Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: Click to enter text.

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

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

a. TCEQ issued Regulated Entity Number (RN), if available: RN100870898

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

b. Name of project or site (the name known by the community where located): Goodyear Houston Chemical Plant

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

☒ Yes ☐ No ☐ N/A (new permit)

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

d. Owner of treatment facility:

Prefix: N/A Full Name (Last/First Name): N/A

or Organization Name: The Goodyear Tire & Rubber Company

Mailing Address: PO Box 5397 City/State/Zip: Houston/Texas/77262

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

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

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

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

or Organization Name: The Goodyear Tire & Rubber Company

Mailing Address: PO Box 5397 City/State/Zip: Houston/Texas/77262

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

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

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

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

or Organization Name: Click to enter text.

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

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

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: Click to enter text.

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

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

or Organization Name: N/A

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

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

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: Click to enter text.

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

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

☐ Yes ☒ No

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

☒ One-mile radius

☒ Applicant's property boundaries

☒ Labeled point(s) of discharge

☐ Effluent disposal site boundaries

☐ Sewage sludge disposal site

☒ Three-miles downstream information

☒ Treatment facility boundaries

☒ Highlighted discharge route(s)

☒ All wastewater ponds

☐ New and future construction

Attachment: See Administrative Report Attachment A

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

☐ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: N/A

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

☒ Yes ☐ No or New Permit

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

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

☒ Yes ☐ No or New Permit

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

f. City nearest the outfall(s): Houston

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

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

☐ Yes ☒ No

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

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

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

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

☐ Yes No or New Permit ☐ N/A

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

j. City nearest the disposal site: Click to enter text.

k. County in which the disposal site is located: Click to enter text.

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

m. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Click to enter text.

Item 12. Miscellaneous Information (Instructions, Page 33)

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

☒ Yes ☐ No

If yes, list each person: Barbara Sullivan, GHD, Inc.

b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account no.: Click to enter text.

Total amount due: Click to enter text.

c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: Click to enter text.

Amount due: Click to enter text.

Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0000520000

Applicant Name: The Goodyear Tire & Rubber Company

Certification: I, Thomas V. Baldauf, 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): Thomas V. Baldauf

Signatory title: Site Manager

Signature: Ron Legge for Tom Baldauf Date: 4/18/24
(Use blue ink)

Subscribed and Sworn to before me by the said RON Legge

on this 18th day of April, 2024.

My commission expires on the 3/13/27 day of March, 2027.

Joyce Terrell
Notary Public

Harris
County, Texas

[SEAL] JOYCE TERRELL
Notary ID #124124349
My Commission Expires
March 13, 2027

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Item 1. Affected Landowner Information (Instructions, Page 35)

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

- ☐ The applicant's property boundaries.
- ☐ The facility site boundaries within the applicant's property boundaries.
- ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone.
- ☐ The property boundaries of all landowners surrounding the applicant's property. (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream.
- ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge.
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides.
- ☐ The boundaries of the effluent disposal site (e.g., irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property.
- ☐ The property boundaries of all landowners surrounding the applicant's property boundaries where the effluent disposal site is located.
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners within one-quarter mile of the applicant's property boundaries where the sewage sludge land application site is located.
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (e.g., sludge surface disposal site or sludge monofil) is located.

Attachment: Click to enter text.

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

☐ Readable/Writeable CD ☐ Four sets of labels

Attachment: Click to enter text.

d. Provide the source of the landowners' names and mailing addresses: Click to enter text.

e. As required by Texas Water Code § 5.115, is any permanent school fund land affected by this application?

☐ Yes ☐ No

If yes, provide the location and foreseeable impacts and effects this application has on the land(s): Click to enter text.

Item 2. Original Photographs (Instructions, Page 37)

Provide original ground level photographs. Check the box next to each of the following items to indicate it is included.

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

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

☐ At least one photograph of the existing/proposed effluent disposal site.

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

Attachment: Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: Supplemental Information Form

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if mailing the payment. (Instructions, Page 36-37)

- 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:** WQ0000520000

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: Goodyear Houston Chemical Plant

   Physical Address of Project or Site: 2000 Goodyear Drive, Houston, Texas

   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.
   Attachment: Click to enter text.

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Item 1. Individual information (Instructions, Page 38)

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): Click to enter text.

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.

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

☒ Correct and Current Industrial Wastewater Permit Application Forms
(TCEQ Form Nos. 10055 and 10411. Version dated 5/10/2019 or later.)

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

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

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

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

Things to Know:

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

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

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

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

☒ Plain Language Summary

TCEQ - Industrial Wastewater Permit Application Technical Report 1.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

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

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

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

Manufacturer of emulsion Styrene Butadiene (SBR) crumb rubber and concentrated SBR latex products.

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

See Attachment 2.

[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
1,3 -Butadiene		SBR Crumb Rubber
Styrene		Concentrated SBR Latex
Fatty Resin Acids		
Oils		
See Attachment 3 for additional information		

Attachment: See Attachment 3 for additional information

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: See Attachment 4

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

☐ Yes ☒ No

If **yes**, provide background discussion: N/A

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: Harris County Flood Education Mapping Tool, FEMA National Flood Hazard Map – 48201C0885N

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: The elevation of the 100-year floodplain is 21 feet. In the event of flooding condition, the Houston Plant will cease production to minimize the impact of potential flooding of the treatment facility.

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 Attachment 5.

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: See Attachments 6a and 6b

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)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), Not Including Freeboard				
Freeboard (ft)				
Surface Area (acres)				

Parameter	Pond #	Pond #	Pond #	Pond #
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

Attachment: See Attachment 7

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: N/A

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

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	29.705555	95.257500
002	29.705277	95.258333

Outfall Location Description

Outfall No.	Location Description
001	At end of a discharge pipe prior to discharge into Sims Bayou.
002	At the weir outlet of the stormwater basin, prior to discharge into concrete ditch.

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

Outfall No.	Description of sampling point
N/A	

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	2.9	4.5	N/A	N/A	Current
002	Report	Report	N/A	N/A	Current

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	N	Y	Kennison Nozzle
002	N	Y	Rectangular Weir

Outfall Discharge – Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	N	N	Y	24	31	12
002	Y	N	N	---	---	---

Outfall Wastestream Contributions

Outfall No. **001**

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Process Wastewater	1.42	78.4%
Cooling Tower Blowdown	0.207	11.4%
Stormwater runoff	0.185	10.2%

Outfall No. **002**

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Stormwater runoff from process areas and dry weather flow form washdown activities	Intermittent	100

Outfall No. **N/A**

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

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

Attachment: N/A

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: See Attachment 8 (Affects Outfall 001 only)

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	4	186,485	206,513
Boilers	N/A	N/A	N/A

Item 6. Stormwater Management (Instructions, Page 44)

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

☒ 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: All production activities are conducted within covered structures and are not subject to exposure or precipitation. See Attachment 9 for additional details.

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: The Houston plant has closed and demolished the domestic wastewater treatment system and drying bed. The plant is connected to the City of Houston POTW via a lift station to discharge untreated domestic wastewater from the Houston Plant.

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.
City of Houston – Sims Bayou	WQ0010495002

Plant/Hauler Name	Permit/Registration No.

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: A lift station to pump untreated sanitary wastewater to the City of Houston collection system and POTW has been constructed and put into operation. The domestic wastewater treatment plant (internal outfall 101) has been demolished. A Notice of Completion and Closure Report was submitted to the TCEQ on April 6, 2022.

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: See Attachment 10

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.

Internal Outfall 101 for domestic sanitary sewage –The Goodyear Houston Chemical Plant has closed and demolished the domestic wastewater system and drying bed. A Notice of Closure and Completion Report was submitted to the TCEQ on April 6, 2022. Facility sanitary wastewater is now connected to the City of Houston Publicly Owned Treatment Works (POTW) via an on-site lift station to discharge untreated domestic sewage from the Houston Plant. There are no longer any discharges from internal outfall 101. Goodyear requests the removal of all monitoring and reporting requirements associated with outfall 101. Classification as a minor amendment is based on the review of the definition of a minor amendment under 40 CFR 122.63 and 30 TAC 305.62(c)(3). The request is for the removal of an outfall when the discharge from that outfall is terminated.

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

☐ Yes ☒ No

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

N/A

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: Click to enter text.

Title: Click to enter text.

Signature: _____

Date: _____

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
Emulsion crumb rubber	428 Subpart B
SBR LTEX	428 Subpart D

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
SBR Crumb Rubber	837,422	1,200,000	Lbs./day
SBR Latex	147,711	211,000	Lbs./day

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
N/A	N/A	N/A	N/A

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

N/A

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

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

See Attachment 11.

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
SBR Crumb Rubber	428	B	1943
SBR Latex	428	D	1979

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): Sampling has not been completed. Sample dates and results of analyses will be provided at a future date.

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

c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** Sample results pending and will be submitted at a future date.

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

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

TABLE 1 and TABLE 2 (Instructions, Page 58)

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

Table 1 for Outfall No.: 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)				
CBOD (5-day)				
Chemical oxygen demand				
Total organic carbon				
Dissolved oxygen				
Ammonia nitrogen				
Total suspended solids				
Nitrate nitrogen				
Total organic nitrogen				
Total phosphorus				
Oil and grease				

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total residual chlorine				
Total dissolved solids				
Sulfate				
Chloride				
Fluoride				
Total alkalinity (mg/L as CaCO3)				
Temperature (°F)				
pH (standard units)				

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
Antimony, total					5
Arsenic, total					0.5
Barium, total					3
Beryllium, total					0.5
Cadmium, total					1
Chromium, total					3
Chromium, hexavalent					3
Chromium, trivalent					N/A
Copper, total					2
Cyanide, available					2/10
Lead, total					0.5
Mercury, total					0.005/0.0005
Nickel, total					2
Selenium, total					5
Silver, total					0.5
Thallium, total					0.5
Zinc, total					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					50
Anthracene					10
Benzene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
Bis(2-chloroethyl)ether					10
Bis(2-ethylhexyl)phthalate					10
Bromodichloromethane [Dichlorobromomethane]					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane [Dibromochloromethane]					10
Chloroform					10
Chrysene					5
m-Cresol [3-Methylphenol]					10
o-Cresol [2-Methylphenol]					10
p-Cresol [4-Methylphenol]					10
1,2-Dibromoethane					10
m-Dichlorobenzene [1,3-Dichlorobenzene]					10
o-Dichlorobenzene [1,2-Dichlorobenzene]					10
p-Dichlorobenzene [1,4-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5

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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
[Trichloroethylene]					
2,4,5-Trichlorophenol					50
TTHM (Total trihalomethanes)					10
Vinyl chloride					10

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

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

TABLE 4 (Instructions, Pages 58-59)

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

a. **Tributyltin**

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

☐ Yes ☒ No

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

☐ Manufacturers and formulators of tributyltin or related compounds.

☐ Painting of ships, boats and marine structures.

☐ Ship and boat building and repairing.

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

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

☐ Facilities engaged in wood preserving.

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

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

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

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

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

c. E. coli (discharge to freshwater)

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

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

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

Table 4 for Outfall No.: N/A **Samples are (check one): ☐ Composite ☐ Grab**

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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Diuron					0.090
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)	☒	☐					—
Nitrate-Nitrite (as N)	☒	☐					—
Sulfide (as S)	☐	☒	N/A	N/A	N/A	N/A	—
Sulfite (as SO3)	☐	☒	N/A	N/A	N/A	N/A	—
Surfactants	☒	☐					—
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	☒	☐					7
Magnesium, total	☒	☐					20
Manganese, total	☒	☐					0.5
Molybdenum, total	☒	☐					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					50
Acrylonitrile					50
Benzene					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane					10
Chloroethane					50
2-Chloroethylvinyl ether					10
Chloroform					10
Dichlorobromomethane [Bromodichloromethane]					10
1,1-Dichloroethane					10
1,2-Dichloroethane					10
1,1-Dichloroethylene [1,1-Dichloroethene]					10
1,2-Dichloropropane					10
1,3-Dichloropropylene [1,3-Dichloropropene]					10
Ethylbenzene					10
Methyl bromide [Bromomethane]					50
Methyl chloride [Chloromethane]					50
Methylene chloride [Dichloromethane]					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethylene [Tetrachloroethene]					10
Toluene					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]					10
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethylene [Trichloroethene]					10
Vinyl chloride					10

* Indicate units if different from µg/L.

Table 9 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
2,4-Dichlorophenol					10
2,4-Dimethylphenol					10
4,6-Dinitro-o-cresol					50
2,4-Dinitrophenol					50
2-Nitrophenol					20
4-Nitrophenol					50
p-Chloro-m-cresol					10
Pentachlorophenol					5
Phenol					10
2,4,6-Trichlorophenol					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
Acenaphthylene					10
Anthracene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]					10
Benzo(ghi)perylene					20

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Benzo(k)fluoranthene					5
Bis(2-chloroethoxy)methane					10
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10
Bis(2-ethylhexyl)phthalate					10
4-Bromophenyl phenyl ether					10
Butylbenzyl phthalate					10
2-Chloronaphthalene					10
4-Chlorophenyl phenyl ether					10
Chrysene					5
Dibenzo(a,h)anthracene					5
1,2-Dichlorobenzene [o-Dichlorobenzene]					10
1,3-Dichlorobenzene [m-Dichlorobenzene]					10
1,4-Dichlorobenzene [p-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
Diethyl phthalate					10
Dimethyl phthalate					10
Di-n-butyl phthalate					10
2,4-Dinitrotoluene					10
2,6-Dinitrotoluene					10
Di-n-octyl phthalate					10
1,2-Diphenylhydrazine (as Azobenzene)					20
Fluoranthene					10
Fluorene					10
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Indeno(1,2,3-cd)pyrene					5
Isophorone					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50
N-Nitrosodi-n-propylamine					20
N-Nitrosodiphenylamine					20
Phenanthrene					10
Pyrene					10
1,2,4-Trichlorobenzene					10

* Indicate units if different from µg/L.

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

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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
PCB 1221					0.2
PCB 1232					0.2
PCB 1248					0.2
PCB 1260					0.2
PCB 1016					0.2
Toxaphene					0.3

* Indicate units if different from µg/L.

Attachment: Click to enter text.

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

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

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

- ☐ 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel) CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol (TCP) CASRN 95-95-4
- ☐ hexachlorophene (HCP) CASRN 70-30-4
- ☒ 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.: N/A **Samples are (check one):** ☐ **Composite** ☐ **Grab**

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

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-HxCDDs	0.1					50
1,2,3,4,6,7,8-HpCDD	0.01					50
2,3,7,8-TCDF	0.1					10
1,2,3,7,8-PeCDF	0.03					50
2,3,4,7,8-PeCDF	0.3					50
2,3,7,8-HxCDFs	0.1					50
2,3,4,7,8-HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					500
PCB 81	0.0003					500
PCB 126	0.1					500
PCB 169	0.03					500
Total						

TABLE 13 (HAZARDOUS SUBSTANCES)

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

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

☒ Yes ☐ 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
Styrene	100-42-5					

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 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: Approximately 237 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: N/A

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: N/A

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: N/A

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	☐	☒
003-012	☒	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

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: See Attachment 12

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	20 Acres	37.2 Acres

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

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

Wettest month: June

Average rainfall for wettest month (total inches): 7.9 inches

25-year, 24-hour rainfall (inches): 12.0 inches

Source: National Centers for Environmental Information (National Oceanic and Atmospheric Administration - NOAA); NOAA Hydrometeorological Design Studies Center

c. Attach an inventory, or list, of materials currently handled at the facility that may be exposed to precipitation. **Attachment:** All production activities, including material handling, are conducted under covered structures or enclosed vessels and are not subject to exposure or precipitation.

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:** All production activities, including materials handling, are conducted under covered structures and are not subject to exposure or precipitation. See Attachment 9 for additional discussion.

e. Describe any BMPs and controls the facility uses/proposes to prevent or effectively reduce pollution in stormwater discharges from the facility: Collection and treatment of stormwater run-off originating form process area prior to discharge to receiving stream.

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): To be determined – sample results not yet available

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)	—	(min)	—		—
Total suspended solids						—
Chemical oxygen demand						—
Total organic carbon						—

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)
Oil and grease						—
Arsenic, total						0.0005
Barium, total						0.003
Cadmium, total						0.001
Chromium, total						0.003
Chromium, trivalent						—
Chromium, hexavalent						0.003
Copper, total						0.002
Lead, total						0.0005
Mercury, total						0.000005
Nickel, total						0.002
Selenium, total						0.005
Silver, total						0.0005
Zinc, total						0.005

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

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

Table 18 for Outfall No.: 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 (5-day)					
Nitrate-nitrite					
Iron					
Aluminum					
Ammonia nitrogen					
CBOD					
Cyanide, Free					
Phenols					
Magnesium					
Molybdenum					

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
Phosphorous					

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

Attachment: Click to enter text.

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

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

Date of storm event: To be determined – sample results not yet available

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

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

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

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

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

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

Supplemental Information Form

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: The Goodyear Tire & Rubber Company

   Permit No. WQ00 00520000 EPA ID No. TX 0003689

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

   2000 Goodyear Drive, Houston, Texas 77017. The site is located approximately 1/2 mile from the intersection of Highway 225 and Interstate Loop 610 in Harris County.

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: Charlie Mingo

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

Title: Chemical Business Team Leader Environmental

Mailing Address: 11357 IH-10 SW at Smith Road

City, State, Zip Code: Beaumont, Texas 77705N/

Phone No.: 409-794-5282 Ext.: N/A Fax No.: 409-794-5365

E-mail Address: Charlie_Mingo@goodyear.com

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

N/A

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

Discharge to Sims Bayou Tidal, which is a portion of the Houston Ship Channel / Buffalo Bayou Tidal in Segment No. 1007 of the San Jacinto River Basin.

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):

None

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

N/A

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

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

N/A

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

N/A

Attachment A

SPIF - USGS Maps

SPIF Attachment A

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

USGS science for a changing world

The National Map US Topo

PARK PLACE QUADRANGLE
TEXAS-HARRIS CO.
7.5-MINUTE SERIES

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 15R
10 000-Foot ticks: Texas Coordinate System of 1983 (south central zone)

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery ..... NAIP, October 2014
Roads ..... U.S. Census Bureau, 2014 - 2015
Names ..... GNIS, 2015
Hydrography ..... National Hydrography Dataset, 2014
Contours ..... National Elevation Dataset, 2010
Boundaries ..... Multiple sources; see metadata file 1972 - 2015

Wetlands ..... FWS National Wetlands Inventory 1977 - 2014

UTM GRID AND 2015 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

SCALE 1:24 000

KILOMETERS 0 0.5 1
METERS 0 500 1000 2000
MILES 0 0.5 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011. A metadata file associated with this product is draft version 0.6.19

ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
State Route	

ADJOINING QUADRANGLES

1	2	3
4		5
6	7	8

1 Houston Heights
2 Sebastopol
3 Jacinto City
4 Bellaire
5 Pasadena
6 Alvin
7 Pearland
8 Friendswood

PARK PLACE, TX
2016

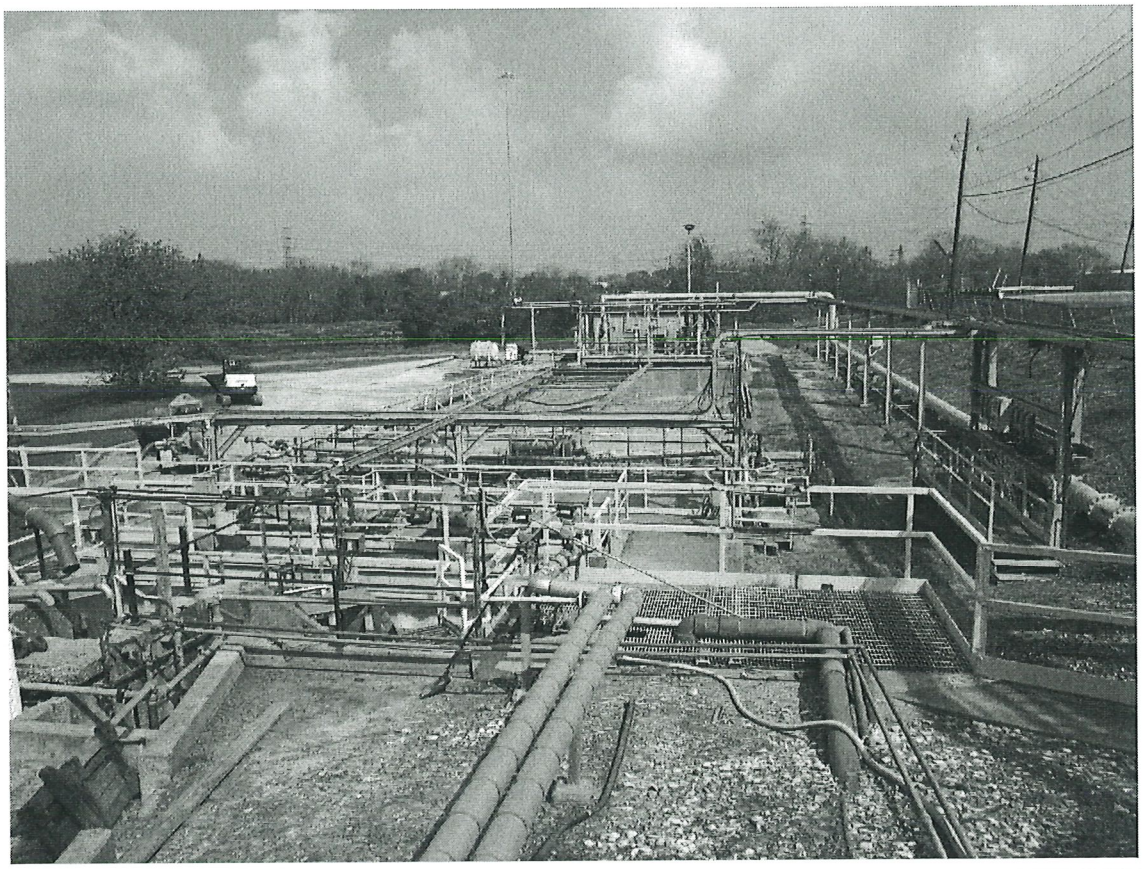
SPIF Attachment A

Attachment B

Photographic Log

SPIF Attachment B
Original Photographs of Structures 50 Years Old or Older

Tradewaste Wastewater Treatment Plant - Primary Solids Separator



Core Data Form

TCEQ Use Only

TCEQ Core Data Form

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

1.1 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 600616049		RN 100870898

1.2 SECTION II: Customer Information

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

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

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

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

The Goodyear Tire & Rubber Company

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
001785806	1-34-025324	34-025324	004467924

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 ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address: PO Box 5397

City	Houston	State	TX	ZIP	77262	ZIP + 4	

16. Country Mailing Information *(if outside USA)*

17. E-Mail Address *(if applicable)*

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

1.3 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.)*

Goodyear Houston Chemical Plant

23. Street Address of the Regulated Entity: *(No PO Boxes)*	2000 Goodyear Drive							
	City	Houston	**State**	TX	**ZIP**	77017	**ZIP + 4**	
24. County								

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

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

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

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

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
2822	N/A	325212	N/A

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

Make emulsion styrene-butadiene rubber

34. Mailing Address:	PO Box 5397							
	City	Houston	**State**	TX	**ZIP**	77262	**ZIP + 4**	
35. E-Mail Address:								

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
( ) -		( ) -

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ000520000			

SECTION IV: Preparer Information

40. Name:	Barbara Sullivan	**41. Title:**	Sr. Comp Spec - Water GHD, Inc

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(832) 485-5219		( ) -	barbara.sullivan@ghd.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:	The Goodyear Tire & Rubber Company	**Job Title:**	OPERATIONS MANAGER
Name *(In Print):*	RONALD W. LEGGE	**Phone:**	(713) 475-5353
Signature:	Ronald W. Legge	**Date:**	4/18/24

Plain Language Summary

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

The Goodyear Tire & Rubber Company (CN600616049) operates Goodyear Houston Chemical Plant (RN100870898), a manufacturer of emulsion styrene-butadiene rubber. The facility is located at 2000 Goodyear Drive, in Houston, Harris County, Texas 77017. The facility is requesting a renewal of its existing wastewater permit with a minor amendment to remove internal outfall 101 for sanitary sewage which is no longer discharging. *<<For TLAP applications include the following sentence, otherwise delete:>>*

Discharges from the facility are expected to contain temperature, total suspended solids, ammonia as nitrogen, carbonaceous biochemical oxygen demand, oil and grease, total chromium, total copper, free cyanide, phenols, total zinc and pH. Process wastewater commingled with miscellaneous cleaning wastes, treated cooling tower blowdown, treated stormwater is treated by a primary solids separator, thence to a series of aerated and non-aerated lagoons.

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

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

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

Goodyear Tire & Rubber Company ((CN600616049)) opera Goodyear Houston Chemical Plant (RN100870898), un fabricante de caucho de estireno-butadieno en emulsión. La instalación está ubicada en 2000 Goodyear Drive, en Houston, Condado de Harris, Texas 77017. La instalación está solicitando una renovación de su permiso de aguas residuales existente con una enmienda menor para eliminar el emisario interno 101 para aguas residuales sanitarias que ya no descarga. *<<Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:>>*

Se espera que las descargas de la instalación contengan temperatura, sólidos suspendidos totales, amoníaco como nitrógeno, demanda bioquímica de oxígeno carbonoso, aceite y grasa, cromo total, cobre total, cianuro libre, fenoles, zinc total y pH. Las aguas residuales del proceso mezcladas con desechos diversos de limpieza, purga de torres de enfriamiento tratadas y aguas pluviales tratadas se tratan mediante un separador primario de sólidos y de allí a una serie de lagunas aireadas y no aireadas. 16. Elija del menú desplegable tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose "operates" in this section for existing facility applications or choose "proposes to operate" for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose "is" for an existing facility or "will be" for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

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.

Example

Individual Industrial Wastewater Application

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 are not federal enforceable representations of the permit application.

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as "previously monitored effluents" (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility's potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

Administrative Report

Administrative Report Attachment A

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 15N
10 000-foot ticks: Texas Coordinate System of 1983 (south central zone)

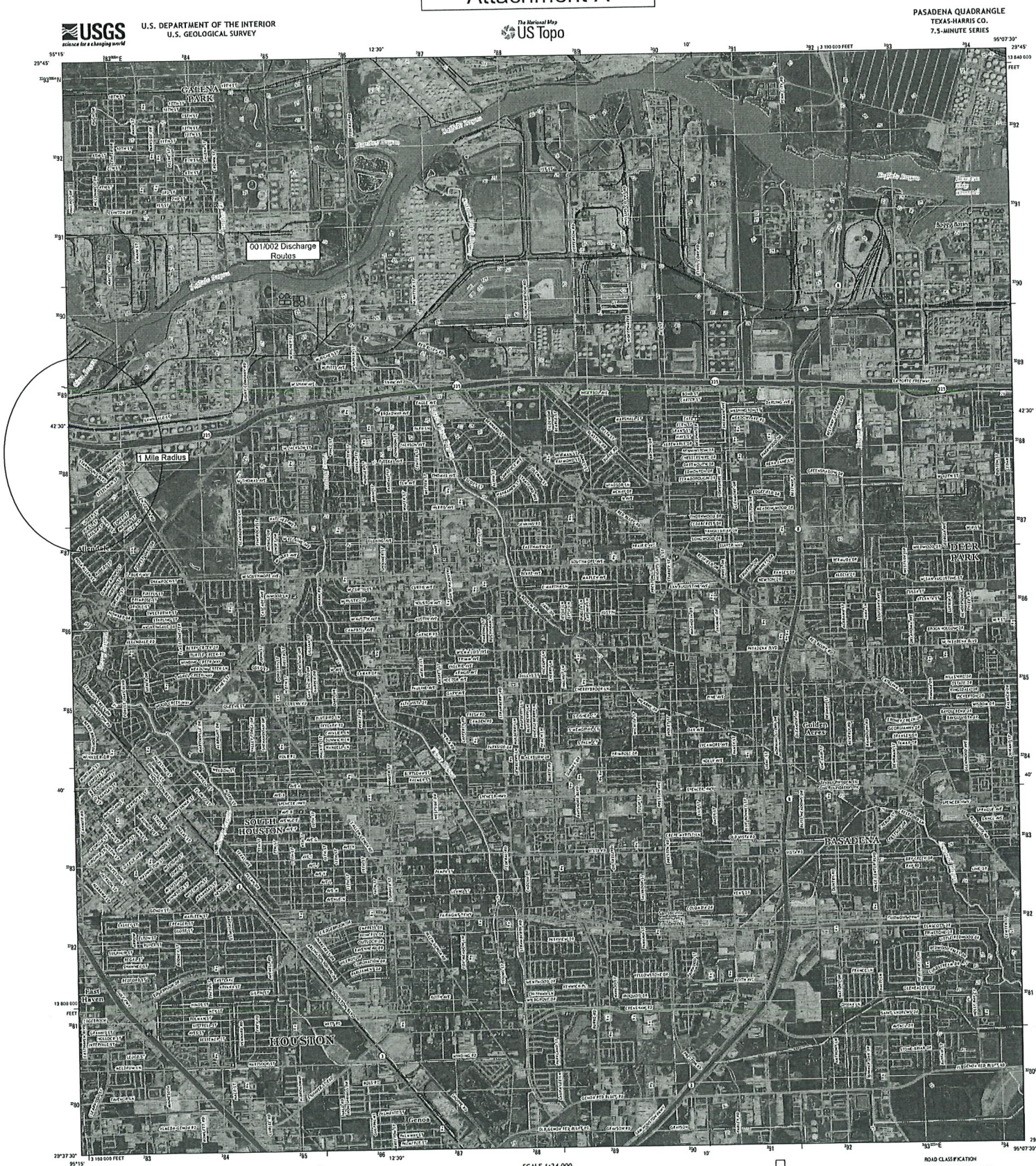
This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery..... NAIP, October 2014
Roads..... U.S. Census Bureau, 2014 - 2015
Names..... GNIS, 2015
Hydrography..... National Hydrography Dataset, 2014
Contours..... National Elevation Dataset, 2010
Boundaries..... Multiple sources; see metadata file 1972 - 2015
Wetlands..... FWS National Wetlands Inventory 1977 - 2014

UTM GRID AND 2014 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011. A metadata file associated with this product is draft version 0.6.19

Administrative Report
Attachment A



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

USGS science for a changing world

The National Map US Topo

PASADENA QUADRANGLE
TEXAS-HARRIS CO.
7.5-MINUTE SERIES

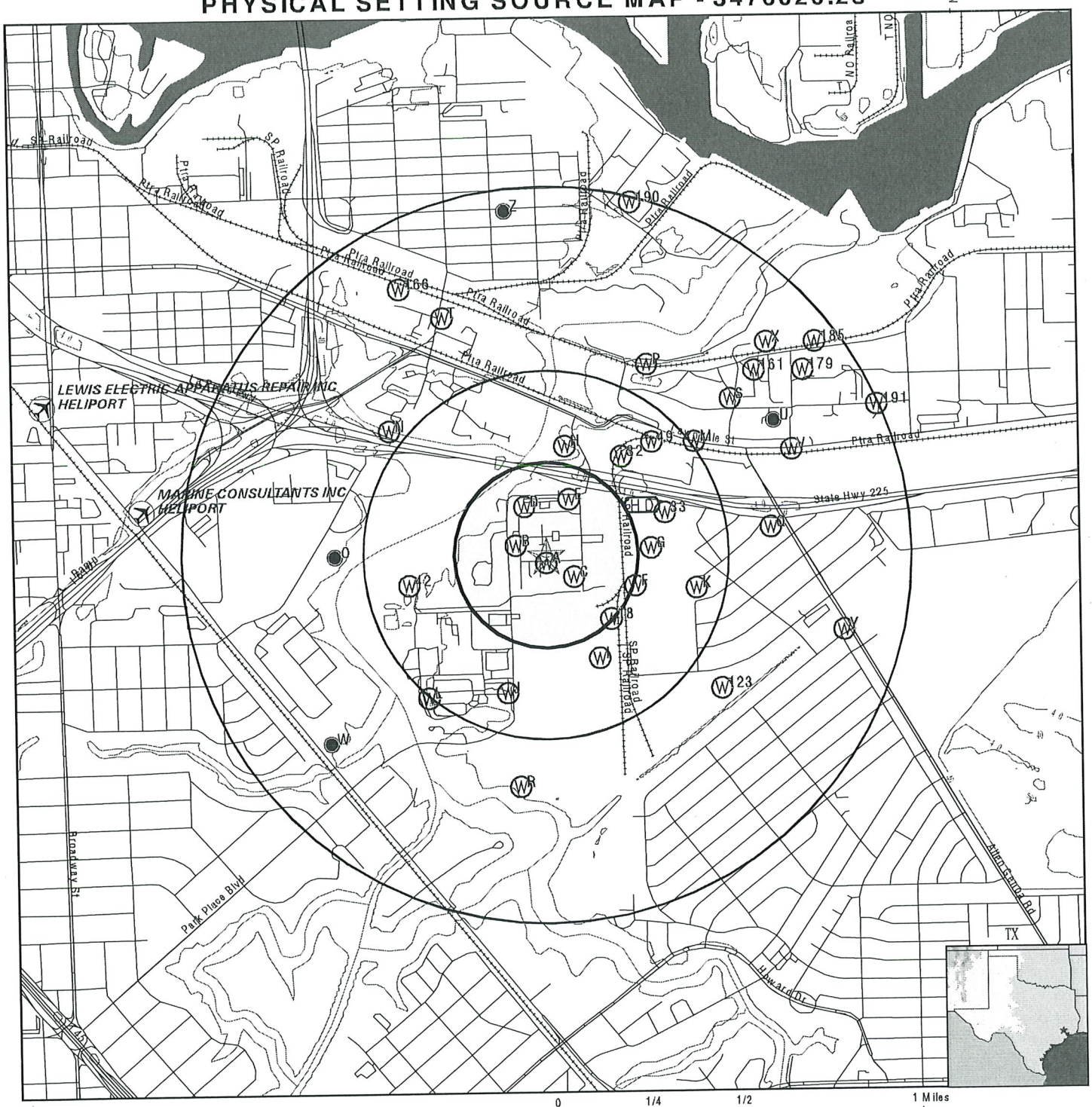
SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

ROAD CLASSIFICATION

PASADENA, TX
2016

PHYSICAL SETTING SOURCE MAP - 3476020.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil or gas wells

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O119	USGS2651502	1/2 - 1 Mile West
U156	USGS2651528	1/2 - 1 Mile ENE
W164	USGS2651622	1/2 - 1 Mile SW
Z181	USGS2651419	1/2 - 1 Mile North
Z182	USGS2651417	1/2 - 1 Mile North
Z183	USGS2651418	1/2 - 1 Mile North
Z184	USGS2651416	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	TXWDB4000027084	0 - 1/8 Mile SSW
A2	TXGH30000001853	0 - 1/8 Mile SSE
B3	TXGH30000001872	0 - 1/8 Mile WNW
B4	TXWDB4000027099	0 - 1/8 Mile West
C5	TXMON2000055770	0 - 1/8 Mile SE
C6	TXMON2000055771	0 - 1/8 Mile SE
C7	TXMON2000055768	0 - 1/8 Mile SE
C8	TXMON2000055769	0 - 1/8 Mile SE
C9	TXMON2000055774	0 - 1/8 Mile SE
C10	TXMON2000055775	0 - 1/8 Mile SE
C11	TXMON2000055772	0 - 1/8 Mile SE
C12	TXMON2000055773	0 - 1/8 Mile SE
D13	TXGH30000001880	0 - 1/8 Mile NNW
E14	TXWDB4000027151	1/8 - 1/4 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D15	TXWDB4000027169	1/8 - 1/4 Mile NNW
E16	TXPLU2000016110	1/8 - 1/4 Mile NNE
E17	TXPLU2000016111	1/8 - 1/4 Mile NNE
18	TXGH30000001821	1/8 - 1/4 Mile SE
F19	TXGH30000001842	1/4 - 1/2 Mile ESE
F20	TXWDB4000027059	1/4 - 1/2 Mile ESE
F21	TXWDB4000027050	1/4 - 1/2 Mile ESE
G22	TXWDB4000027114	1/4 - 1/2 Mile East
G23	TXWDB4000027115	1/4 - 1/2 Mile East
H24	TXMON2000056180	1/4 - 1/2 Mile North
H25	TXMON2000056181	1/4 - 1/2 Mile NNE
I26	TXWDB4000026979	1/4 - 1/2 Mile SSE
I27	TXWDB4000026980	1/4 - 1/2 Mile SSE
I28	TXEQ30000004356	1/4 - 1/2 Mile SSE
H29	TXMON2000056195	1/4 - 1/2 Mile North
H30	TXMON2000056196	1/4 - 1/2 Mile North
G31	TXGH30000001854	1/4 - 1/2 Mile East
32	TXWDB4000027201	1/4 - 1/2 Mile NE
33	TXGH30000001881	1/4 - 1/2 Mile ENE
J34	TXMON2000055445	1/4 - 1/2 Mile SSW
J35	TXMON2000055444	1/4 - 1/2 Mile SSW
I36	TXGH30000001793	1/4 - 1/2 Mile SSE
J37	TXMON2000055419	1/4 - 1/2 Mile SSW
J38	TXMON2000055418	1/4 - 1/2 Mile SSW
J39	TXMON2000055420	1/4 - 1/2 Mile SSW
J40	TXMON2000055422	1/4 - 1/2 Mile SSW
J41	TXMON2000055421	1/4 - 1/2 Mile SSW
42	TXPLU2000015847	1/4 - 1/2 Mile WSW
J43	TXMON2000055417	1/4 - 1/2 Mile SSW
J44	TXMON2000055394	1/4 - 1/2 Mile SSW
J45	TXMON2000055393	1/4 - 1/2 Mile SSW
K46	TXGH30000001843	1/4 - 1/2 Mile ESE
J47	TXMON2000055392	1/4 - 1/2 Mile SSW
J48	TXMON2000055381	1/4 - 1/2 Mile SSW
49	TXWDB4000027213	1/4 - 1/2 Mile NE
J50	TXMON2000055380	1/4 - 1/2 Mile SSW
K51	TXEQ30000004397	1/4 - 1/2 Mile East
K52	TXWDB4000027024	1/4 - 1/2 Mile ESE
L53	TXPLU2000015695	1/2 - 1 Mile SW
L54	TXPLU2000015696	1/2 - 1 Mile SW
L55	TXPLU2000015697	1/2 - 1 Mile SW
L56	TXPLU2000015692	1/2 - 1 Mile SW
L57	TXPLU2000015693	1/2 - 1 Mile SW
L58	TXPLU2000015694	1/2 - 1 Mile SW
L59	TXPLU2000015701	1/2 - 1 Mile SW
L60	TXPLU2000015702	1/2 - 1 Mile SW
L61	TXPLU2000015703	1/2 - 1 Mile SW
L62	TXPLU2000015698	1/2 - 1 Mile SW
L63	TXPLU2000015699	1/2 - 1 Mile SW
L64	TXPLU2000015700	1/2 - 1 Mile SW
M65	TXPLU2000016197	1/2 - 1 Mile NE
M66	TXPLU2000016196	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M67	TXPLU2000016195	1/2 - 1 Mile NE
M68	TXPLU2000016200	1/2 - 1 Mile NE
M69	TXPLU2000016199	1/2 - 1 Mile NE
M70	TXPLU2000016198	1/2 - 1 Mile NE
M71	TXPLU2000016194	1/2 - 1 Mile NE
M72	TXPLU2000016188	1/2 - 1 Mile NE
M73	TXPLU2000016189	1/2 - 1 Mile NE
M74	TXPLU2000016186	1/2 - 1 Mile NE
M75	TXPLU2000016187	1/2 - 1 Mile NE
M76	TXPLU2000016192	1/2 - 1 Mile NE
M77	TXPLU2000016193	1/2 - 1 Mile NE
M78	TXPLU2000016190	1/2 - 1 Mile NE
M79	TXPLU2000016191	1/2 - 1 Mile NE
M80	TXPLU2000016201	1/2 - 1 Mile NE
M81	TXPLU2000016212	1/2 - 1 Mile NE
M82	TXPLU2000016211	1/2 - 1 Mile NE
M83	TXPLU2000016210	1/2 - 1 Mile NE
M84	TXPLU2000016213	1/2 - 1 Mile NE
M85	TXPLU2000016216	1/2 - 1 Mile NE
M86	TXPLU2000016215	1/2 - 1 Mile NE
M87	TXPLU2000016214	1/2 - 1 Mile NE
M88	TXPLU2000016209	1/2 - 1 Mile NE
M89	TXPLU2000016204	1/2 - 1 Mile NE
M90	TXPLU2000016203	1/2 - 1 Mile NE
M91	TXPLU2000016202	1/2 - 1 Mile NE
M92	TXPLU2000016205	1/2 - 1 Mile NE
M93	TXPLU2000016208	1/2 - 1 Mile NE
M94	TXPLU2000016207	1/2 - 1 Mile NE
M95	TXPLU2000016206	1/2 - 1 Mile NE
M96	TXPLU2000016185	1/2 - 1 Mile NE
M97	TXPLU2000016173	1/2 - 1 Mile NE
M98	TXPLU2000016172	1/2 - 1 Mile NE
M99	TXPLU2000016175	1/2 - 1 Mile NE
M100	TXPLU2000016174	1/2 - 1 Mile NE
M101	TXPLU2000016169	1/2 - 1 Mile NE
M102	TXPLU2000016168	1/2 - 1 Mile NE
M103	TXPLU2000016171	1/2 - 1 Mile NE
M104	TXPLU2000016170	1/2 - 1 Mile NE
M105	TXPLU2000016176	1/2 - 1 Mile NE
M106	TXPLU2000016182	1/2 - 1 Mile NE
M107	TXPLU2000016181	1/2 - 1 Mile NE
M108	TXPLU2000016184	1/2 - 1 Mile NE
M109	TXPLU2000016183	1/2 - 1 Mile NE
M110	TXPLU2000016178	1/2 - 1 Mile NE
M111	TXPLU2000016177	1/2 - 1 Mile NE
M112	TXPLU2000016180	1/2 - 1 Mile NE
M113	TXPLU2000016179	1/2 - 1 Mile NE
N114	TXEQ30000004460	1/2 - 1 Mile NW
N115	TXWDB4000027227	1/2 - 1 Mile NW
O116	TXGH30000001863	1/2 - 1 Mile West
P117	TXMON2000056394	1/2 - 1 Mile NNE
O118	TXEQ30000004405	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P120	TXMON2000056395	1/2 - 1 Mile NNE
O121	TXWDB4000027088	1/2 - 1 Mile West
P122	TXMON2000056396	1/2 - 1 Mile NNE
123	TXPLU2000015705	1/2 - 1 Mile SE
Q124	TXPLU2000015993	1/2 - 1 Mile East
Q125	TXPLU2000015992	1/2 - 1 Mile East
Q126	TXPLU2000016010	1/2 - 1 Mile East
Q127	TXPLU2000016009	1/2 - 1 Mile East
Q128	TXPLU2000016008	1/2 - 1 Mile East
Q129	TXPLU2000016012	1/2 - 1 Mile East
Q130	TXPLU2000016011	1/2 - 1 Mile East
R131	TXGH30000001766	1/2 - 1 Mile South
Q132	TXPLU2000015994	1/2 - 1 Mile East
Q133	TXPLU2000016013	1/2 - 1 Mile East
R134	TXWDB4000026834	1/2 - 1 Mile South
R135	TXEQ30000004297	1/2 - 1 Mile South
Q136	TXPLU2000016025	1/2 - 1 Mile East
S137	TXPLU2000016293	1/2 - 1 Mile NE
S138	TXPLU2000016294	1/2 - 1 Mile NE
T139	TXMON2000056498	1/2 - 1 Mile NNW
T140	TXMON2000056540	1/2 - 1 Mile NNW
T141	TXMON2000056541	1/2 - 1 Mile NNW
T142	TXMON2000056542	1/2 - 1 Mile NNW
T143	TXMON2000056539	1/2 - 1 Mile NNW
T144	TXMON2000056536	1/2 - 1 Mile NNW
T145	TXMON2000056537	1/2 - 1 Mile NNW
T146	TXMON2000056538	1/2 - 1 Mile NNW
T147	TXMON2000056543	1/2 - 1 Mile NNW
T148	TXMON2000056548	1/2 - 1 Mile NNW
T149	TXMON2000056549	1/2 - 1 Mile NNW
T150	TXMON2000056550	1/2 - 1 Mile NNW
T151	TXMON2000056547	1/2 - 1 Mile NNW
T152	TXMON2000056544	1/2 - 1 Mile NNW
T153	TXMON2000056545	1/2 - 1 Mile NNW
T154	TXMON2000056546	1/2 - 1 Mile NNW
U155	TXWDB4000027234	1/2 - 1 Mile ENE
V157	TXMON2000056169	1/2 - 1 Mile ENE
V158	TXPLU2000016153	1/2 - 1 Mile ENE
V159	TXPLU2000016154	1/2 - 1 Mile ENE
V160	TXPLU2000016155	1/2 - 1 Mile ENE
161	TXPLU2000016344	1/2 - 1 Mile NE
W162	TXEQ30000004324	1/2 - 1 Mile SW
W163	TXGH30000001780	1/2 - 1 Mile SW
W165	TXWDB4000026894	1/2 - 1 Mile SW
166	TXMON2000056595	1/2 - 1 Mile NNW
X167	TXMON2000056450	1/2 - 1 Mile NE
X168	TXMON2000056449	1/2 - 1 Mile NE
X169	TXPLU2000016378	1/2 - 1 Mile NE
X170	TXPLU2000016379	1/2 - 1 Mile NE
Y171	TXPLU2000015748	1/2 - 1 Mile ESE
Y172	TXPLU2000015749	1/2 - 1 Mile ESE
Y173	TXMON2000055572	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Y174	TXMON2000055573	1/2 - 1 Mile ESE
Y175	TXPLU2000015752	1/2 - 1 Mile ESE
Y176	TXPLU2000015753	1/2 - 1 Mile ESE
Y177	TXPLU2000015750	1/2 - 1 Mile ESE
Y178	TXPLU2000015751	1/2 - 1 Mile ESE
179	TXPLU2000016345	1/2 - 1 Mile NE
Y180	TXMON2000055579	1/2 - 1 Mile ESE
185	TXPLU2000016380	1/2 - 1 Mile NE
Z186	TXWDB4000027481	1/2 - 1 Mile North
Z187	TXWDB4000027480	1/2 - 1 Mile North
Z188	TXWDB4000027479	1/2 - 1 Mile North
Z189	TXWDB4000027478	1/2 - 1 Mile North
190	TXMON2000056873	1/2 - 1 Mile NNE
191	TXGH30000001908	1/2 - 1 Mile ENE

Attachment 1a

EPAY Voucher 699673

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	699673
Trace Number:	582EA000604864
Date:	04/03/2024 11:14 AM
Payment Method:	CC - Authorization 0000061432
Voucher Amount:	$2,000.00
Fee Type:	WW PERMIT - MAJOR INDUSTRIAL FACILITY - RENEWAL
ePay Actor:	RHEAM SAID

Payment Contact Information

Name:	MARK GRIEWISCH
Company:	GOODYEAR
Address:	2000 GOODYEAR DR, HOUSTON, TX 77017
Phone:	713-475-7660

Site Information

Site Name:	GOODYEAR
Site Location:	2000 GOODYEAR DR HOUSTON TX 77017

Customer Information

Customer Name:	GOODYEAR
Customer Address:	2000 GOODYEAR DR, HOUSTON, TX 77057

Other Information

Program Area ID:	WQ0000520000

Attachment 1b

EPAY Voucher 699674

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	699674
Trace Number:	582EA000604864
Date:	04/03/2024 11:14 AM
Payment Method:	CC - Authorization 0000061432
Voucher Amount:	$15.00
Fee Type:	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE
ePay Actor:	RHEAM SAID

Payment Contact Information

Name:	MARK GRIEWISCH
Company:	GOODYEAR
Address:	2000 GOODYEAR DR, HOUSTON, TX 77017
Phone:	713-475-7660

Attachment 2

Wastewater Processes 2024

Attachment 2
Technical Report - Question 1(b).
Description of Wastewater Generation Processes

Tank Farm Operations
Raw material storage operations include a Butadiene inhibitor scrubber system and styrene storage tank/decanting operations. Both of which generate process wastewater. Operations periodically discharges caustic wastewater from scrubbing operation to the wastewater treatment facility.

Reactor/Recovery Operations:
The manufacturing process blends 1,3-Butadiene and Styrene with various soap emulsions, electrolytes, and water in a reactor series to produce SBR Latex. The latex is processed through the monomer recovery area to recycle unreacted Butadiene and Styrene. Condensate and wastewater generated during recovery operations are stream stripped again and discharged to the wastewater pit/trench system.

Finishing Operations
The SBR crumb rubber finishing process consists of latex blending, coagulation, conversion, and drying. After blending SBR latex with various process oils and additives, concentrated sulfuric acid and brine solution are added to the SBR latex separating the SBR copolymer from solution as crumb rubber. The crumb rubber slurry is separated into solid and liquid streams and transferred to conversion tanks. Solids are routed to a re-slurry tank, screened for a second time, and then pass through an expeller and enter the dryer. Finishing process operations discharge wastewater from all parts to the wastewater pit/trench system.

Latex Concentration Operations
Stripped latex from the reactor/recovery process flows through a series of heaters and concentrators to increase the percent solids of latex (high solids latex). Process and loading operations generate process wastewater discharged to the wastewater pit/trench system.

Utility Operations
Blowdown and backflush operations associated with cooling towers, water softener units, process equipment/pumps, and water clarifier generate wastewater, as part of routine operations.

Cleaning and Maintenance
Routine plantwide cleaning and maintenance contribute to daily plantwide wastewater generation. See the list below for discussion on each operational unit:

- Tank Farm - tanks and vessels.
- Reactor/Recovery - tanks, vessels, reactors, stripping columns, and latex strainer baskets.
- Finishing - tanks, vessels, mechanical equipment, latex strainer baskets, and dryer units.
- Latex Concentration - tanks, vessels, concentrators, and strainer baskets.
- Plantwide miscellaneous equipment.

Attachment 3

Raw Materials and Products List 2024

Attachment 3

Raw Material and Product List
The Goodyear Tire & Rubber Company
Reference Technical Report 1(c)

Chemical Name	CAS Number		
1,2-Benzisothiazolin-3-one	2634	33	5
1,2-dibromo-2,4-dicyanobutane	35691	65	7
1,3-Butadiene	106	99	0
1,5-Pentanedial (Glutaraldeyde)	111	30	8
2,5-DI-(T-Amyl) Hydroquinone	79	74	3
2-bromo-2-nitropropane-1,3-diol	52	51	7
2-butoxyethanol	111	76	2
2-methyl-4-isothiazolin-3-one	2682	20	4
3,5-bis (1,1-Dimethylethyl)-4-hydroxybenzenepropanic Acid, Octadecyl Ester	2082	79	3
3,5-dimethyl-1,3,5,2H tetrahydrothiadiazine-2-thione	533	74	4
5-chloro-2-methyl-4-isothiazolin-3-one	26172	55	4
Acetone oxime	127	6	0
Acidulated soybean soapstock	8001	22	7
Acrylamid	79	6	1
Acrylic acid	79	10	7
Acrylic polymer	37350	42	8
Alcohols, C12-C14-secondary, ethoxylated	84133	50	6
Aliphatic petroleum distillates	64741	88	4
Alkyl (C14-C16) olefin sulfonate, sodium salt	68439	57	6
Alkylated and arylated phenols	68457	74	9
Alkylated aryl phosphite	25154	52	3
Alkylbenzene sulfonate	71010	88	3
Alkylbenzene sulfonic acid, potassium salt	27177	77	1
Alkylbenzene sulfonic acid, sodium salt	25155	30	0
Alkyltin mercaptide	Proprietary		
Ammonia	7664	41	7
Ammonium chloride	12125	2	9
Ammonium hydroxide	1336	21	6
Ammonium sodium sulfate	13863	45	1
Anionic flocculant (acrylate-acrylamide resins)	Proprietary		
Anionic alkyldiphenyloxide disulfonate surfactant	36445	71	3
Aromatic petroleum oil	64742	4	7
Biodegradable carboxylic acid	Proprietary		
Bis-cyclohexy sodium sulfosuccinate	23386	52	9
Blend of distilled tall oil	8152	92	1
Blend of petroleum derivative & proprietary additives	Proprietary		
Bromine	7726	95	6
Butylated hydroxyanisole	25013	16	5
Butylated hydroxytoluene	128	37	0
Calcium chloride	10043	52	4

Attachment 3

Raw Material and Product List
The Goodyear Tire & Rubber Company
Reference Technical Report 1(c)

Chemical Name	CAS Number		
Calcium hydroxide	1305	62	0
Calcium hypochlorite	7778	54	3
Cationic polymer (proprietary)	Proprietary		
Citric acid	77	92	9
Copolymer of acrylamide and sodium acrylate	Proprietary		
Cupric nitrate	9005	25	8
Cyclohexanol	108	93	0
Diisopropyl benzene hydroperoxide	26762	93	6
Diaryl-p-phenylene diamine	68478	45	5
Dicalcium phosphate anhydrous	7757	93	9
Diethyl hydroxyl amine	3710	84	7
Diethylbenzene	25340	17	4
Diethylene glycol	111	46	6
Diethylenetriamine	111	40	0
Diphenylamine	122	39	4
Diphosphoric acid	7758	16	9
Dipropylene glycol	25265	71	8
Disodium dihexadecyldiphenyloxide disulfide	70191	76	3
Disodium hexadecyldiphenyloxide disulfide	65143	89	7
Disodium phosphate	7558	79	4
Distilled tall oil, disproportionated	68152	92	1
Dodecylbenzene sulfonic acid	27176	87	0
Ethylene glycol	107	21	1
Ethyleneamine mixture	107	15	3
Fatty acid and rosin acids	8052	10	6
Fatty acids C14-18 and C18 unsaturated	67701	6	8
Ferrous sulfate	7720	78	7
Ferrous sulfate heptahydrate	10028	22	5
Formaldehyde	50	0	0
Formaldehyde, 4-nonylphenol, dodecane-1-thiol reaction products	-----		
Hydrogenated mixed fatty acids	61790	37	2
Hydrotreated heavy naphthenic distillate	64742	52	5
Hydrotreated light naphthenic distillate	64742	53	6
Isoparaffinic petroleum distillate	64742	47	8
Isopropyl alcohol	67	63	0
Isopropyl hydroxylamine	5080	22	8
Kerosene	8008	20	6
Limestone	1317	65	3

Attachment 3

Raw Material and Product List
The Goodyear Tire & Rubber Company
Reference Technical Report 1(c)

Chemical Name	CAS Number		
Linoleic acid	60	33	3
Linolenic acid	463	40	1
Magnesium chloride	7786	30	3
Magnesium nitrate	10377	60	3
Magnesium oxide	1309	48	4
Maleic anhydride, reaction products with sodium hypophosphite and ammonium persulfate, sodium salt	P90	15	29
Methylenebis (4-methyl-(1-methylcyclohexyl) phenol)	77	62	3
Mixed diaryl-p-phenylene-diamines	68953	84	4
Mixed tocopherols	1406	66	2
Naphthalene	91	20	3
Naphthalene sulfonic acid, sodium salt	9084	6	4
Naphthenic oil	64741	96	4
N-dodecylmercaptan	112	55	0
N-Isopropylhydroxylamine	5080	22	8
Nonylphenol	84852	15	3
Octadecyl 3,5-DI-tert-butyl hydroxyh	2082	79	3
Octoxynol-9	9010	43	9
Octylphenoxypolyethoxy-ethanol	9036	19	5
Oleic acid	112	80	1
Oxirane, 2,2' -[(1-methyethylidene) Bis (4,1-Phenyleneoxymethylene)] Bis-, polymer with a -hydro-w-hydroxy poly (oxy-1, 2- ethanediyl)	37225	26	6
Oxirane, methyl-, polymer	9003	11	6
Phenol, 4-methyl, reaction products w/dicyclopentadiene and isobutylene	68610	51	5
Phenol,4,4'- (1-methylethylidene) bis-, polymer with (chloromethyl) oxirane and alpha-hydro-omega-hydroxypoly) oxy -1, 2-ethanediyl	42617	82	3
Phophonic acid derivative	Proprietary		
Phosphonic acid derivative	Proprietary		
Pinane hydroperoxide	28324	52	9
p-methoxyphenol	150	76	5
Poly vinylchoride	9002	86	2
Polyamine polymer (proprietary)	Proprietary		
Polycarboxlated polymer	Proprietary		
Polydimethyldiallylammoniun chloride	25988	97	0
Polydimethylsiloxane emulsion	Proprietary		
Polyethylene glycol	25322	68	3
Polyethylne-polypropylene glycol monobutyl ether	9038	95	3
Polymer dispersant containing benzotriazole	95	14	7

Attachment 3

Raw Material and Product List
The Goodyear Tire & Rubber Company
Reference Technical Report 1(c)

Chemical Name	CAS Number		
Polyoxypropylene methyl diethyl ammonium chloride	68132	96	7
Potasium polyphosphate	68956	75	2
Potassium carbonate	584	8	7
Potassium chloride	7447	40	7
Potassium dodecylbenzenesulfonate	27177	77	1
Potassium hydroxide	1310	58	3
Potassium naphthalenesulfonate-formaldehyde	67828	14	2
Potassium persulfate	7727	21	1
Potassium soap of modified rosin	61790	50	9
Propylene glycol	57	55	6
Rosin	8050	9	7
Saturated carboxylic acids (C14-C20)	Proprietary		
SBR Crumb Rubber	Not Applicable		
SBR Latex	9003	55	8
Silica, hydrophobic	67762	90	7
Silica	7631	86	9
Silica, hydrated	10279	57	9
Sodium acrylate	25085	2	3
Sodium bisulfite	7631	90	5
Sodium bromide	7647	15	6
Sodium carbonate	497	19	8
Sodium chloride	7647	14	5
Sodium citrate	68	4	2
Sodium dichloro-s-triazinetrione	2893	78	9
Sodium dimethyldithiocarbamate	128	4	1
Sodium erythorbate	6381	77	7
Sodium ferric ethylenediaminetetraacetate	15708	41	5
Sodium formaldehyde sulfoxylate	149	44	0
Sodium Hydrosulfite	7775	14	6
Sodium hydroxide	1310	73	2
Sodium hypochlorite	7681	52	9
Sodium molybdate	7631	95	0
Sodium napthtalenesulfonate-formaldehyde copolymer dispersant	9084	6	1
Sodium nitrite	7632	0	0
Sodium Persulfate	7775	27	1
Sodium salt of sulfated oleic acid	68331	91	9
Sodium salts of polymerized alkylnaphtha lenesulfonic acids	9084	6	4

Attachment 3

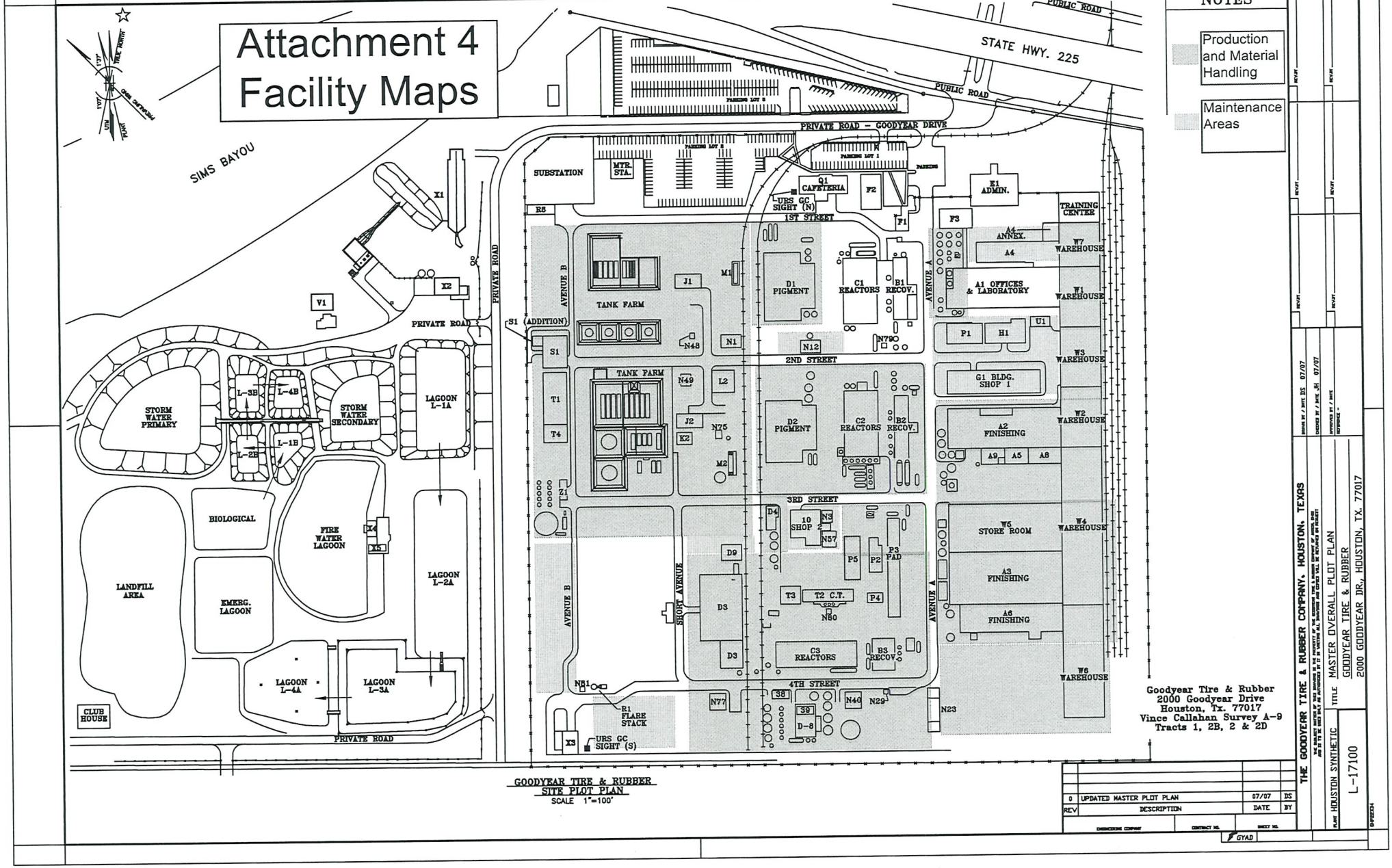
Raw Material and Product List
The Goodyear Tire & Rubber Company
Reference Technical Report 1(c)

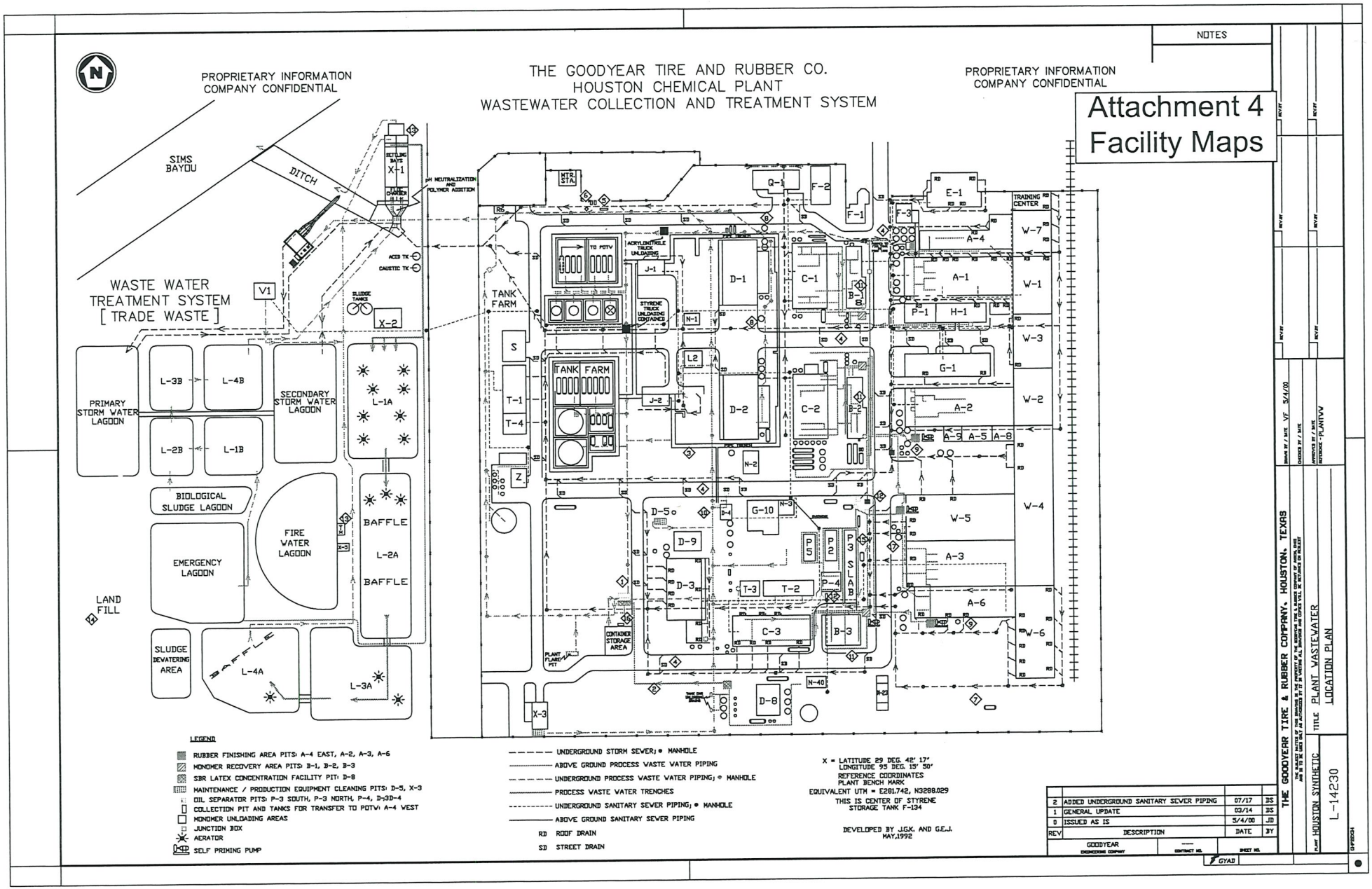
Chemical Name	CAS Number		
Sodium salts of sulfonated benzene, 1,1-0xybis, tetrapropylene derivatives	119345	4	9
Sodium silicate solution	1344	9	8
Sodium silicofluoride	16893	85	9
Sodium sulfate	7757	82	6
Sodium sulfate, anhydrous	7757	82	6
Sodium sulfide	1313	82	2
Sodium tetraborate pentahydrate	12179	4	3
Sodium tolyltriazole	64665	57	2
Sodium 1-hydroxyethlidenediphosphonate	29329	71	3
Soya fatty acid triglycerides	8001	22	7
Stearic acid	57	11	4
Straight run middle distillates	64741	44	2
Styrene	100	42	5
Styrenated diphenylamine	68442	68	2
Sulfamic acid	5329	14	6
Sulfur	7704	34	9
Sulfur dioxide	7446	9	5
Sulfuric acid	7664	93	9
Tertiary butyl catechol	98	29	3
Tertiary dodecyl mercaptan	25103	58	6
Tetrapotassium pyrophosphate	7320	34	5
Tetrasodium ethylenediaminetetraacetate solution	64	2	8
Triisopropanolamine	122	20	3
Tripotassium phosphate	7779	53	2
Trisnonylphenyl phosphite	26523	78	4
Trisodium nitrilotriacetate	5064	31	3
White mineral oil	8042	47	5

Attachment 4

Facility Maps

Attachment 4
Facility Maps





ATTENTION:
L-14230-1 (S:\AutoCad Data\APPROVED MASTER DRAWINGS) Emergency Response Manual Dwgs
SHALL BE UPDATED WITH LATEST REVISIONS ALONG WITH THIS DRAWING

Attachment 5

List of Treatment Units 2024

ATTACHMENT 5
TREATMENT SYSTEM
REFERENCE TECHNICAL REPORT QUESTION NO. 2 (A)

Primary Treatment

Inlet Chamber - Wastewater hard piped from plant process areas, trenches, and process pits to the inlet chamber. Preliminary mixing occurs and polymer solution is added to aid in flocculation. If necessary, pH corrections are made adding sulfuric acid or sodium hydroxide to neutralize influent wastewater.

Flash Mixer - Neutralized wastewater and polymer are thoroughly mixed.

Flocculator / Separator - Consists of two flocculating chambers and two settling basins in parallel equipped with a chain drive skimmer board system. Wastewater undergoes solids coagulation, flocculation, settling, solids and oil/organics removal. The skimmer system removes floating oils and organics where subsurface hoppers collect the sludge before it is pumped to the sludge retention basin. Process wastewater gravity flows over a weir to "pump suction" basin where wastewater is pumped to the "A" lagoon system for secondary treatment.

Secondary Treatment - Aerated Lagoons

Wastewater gravity flows through four aerated "A" lagoons. Typically, all four lagoons are in continuous service though operational adjustments may warrant operating with fewer lagoons.

"A" Lagoons				
	Length (ft.)	**Width (ft.)**	**Depth (ft.)**	**Associated Outfall**
Lagoon L-1A	295	200	12	001
Lagoon L-2A	400	110	10	001
Lagoon L-3A	~235	308	11	001
Lagoon L-4A	~205	200	10	001

Reaeration - After secondary treatment and gravity flow discharge from L-4A, treated effluent flows over a "stair step" concrete cascade for reaeration prior to discharge through Outfall 001.

Sludge Retaining Basin (16,740 sq. ft.) - A sludge retaining basin provides dewatering, surge volume, and preliminary treatment for sludge from primary treatment operations.

Stormwater System - Stormwater from process areas is collected at the stormwater basin before it is pumped to the primary stormwater lagoon *(45,880 sq. ft.)*. Stormwater collected in the stormwater lagoons gravity feeds ("refeeds) to the primary treatment inlet chamber and is subject to primary and secondary treatment before discharge via Outfall 001.

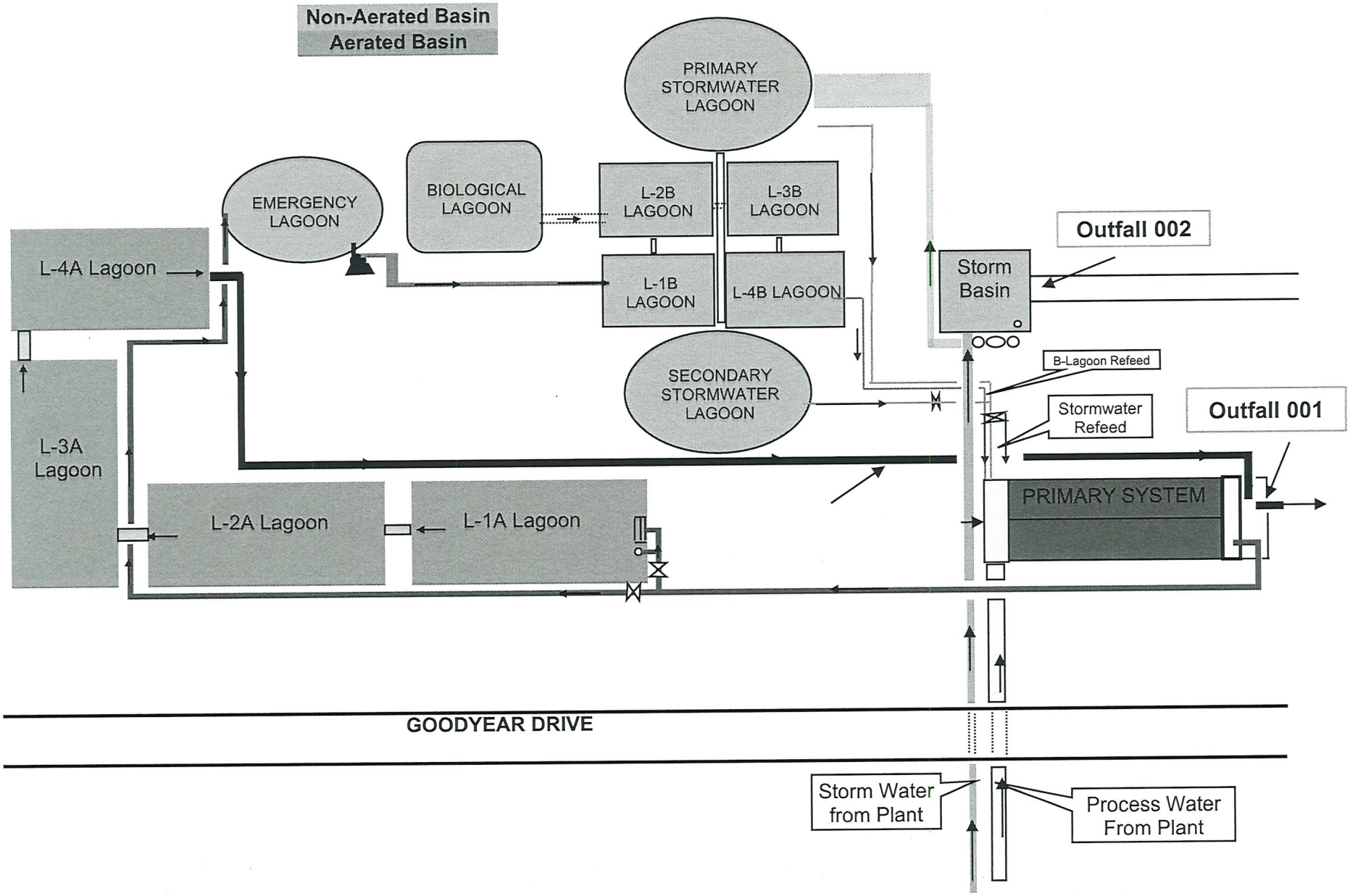
	Capacity (Gal)	**Associated Outfall**
Stormwater Basin	250,000	002
Primary Stormwater Lagoon	6,000,000	001
Secondary Stormwater Lagoon	4,800,000	001

Domestic Wastewater System - The domestic treatment system has been closed and demolished. A written Notice of Completion and Closure was submitted to the TCEQ on April 6, 2022. The Houston Plant discharges untreated domestic wastewater to a City of Houston Publicly Owned Treatment Works via a lift station located at the Houston plant property. Goodyear is requesting that monitoring and reporting requirements for Outfall 101 be removed from the permit.

Attachment 6a

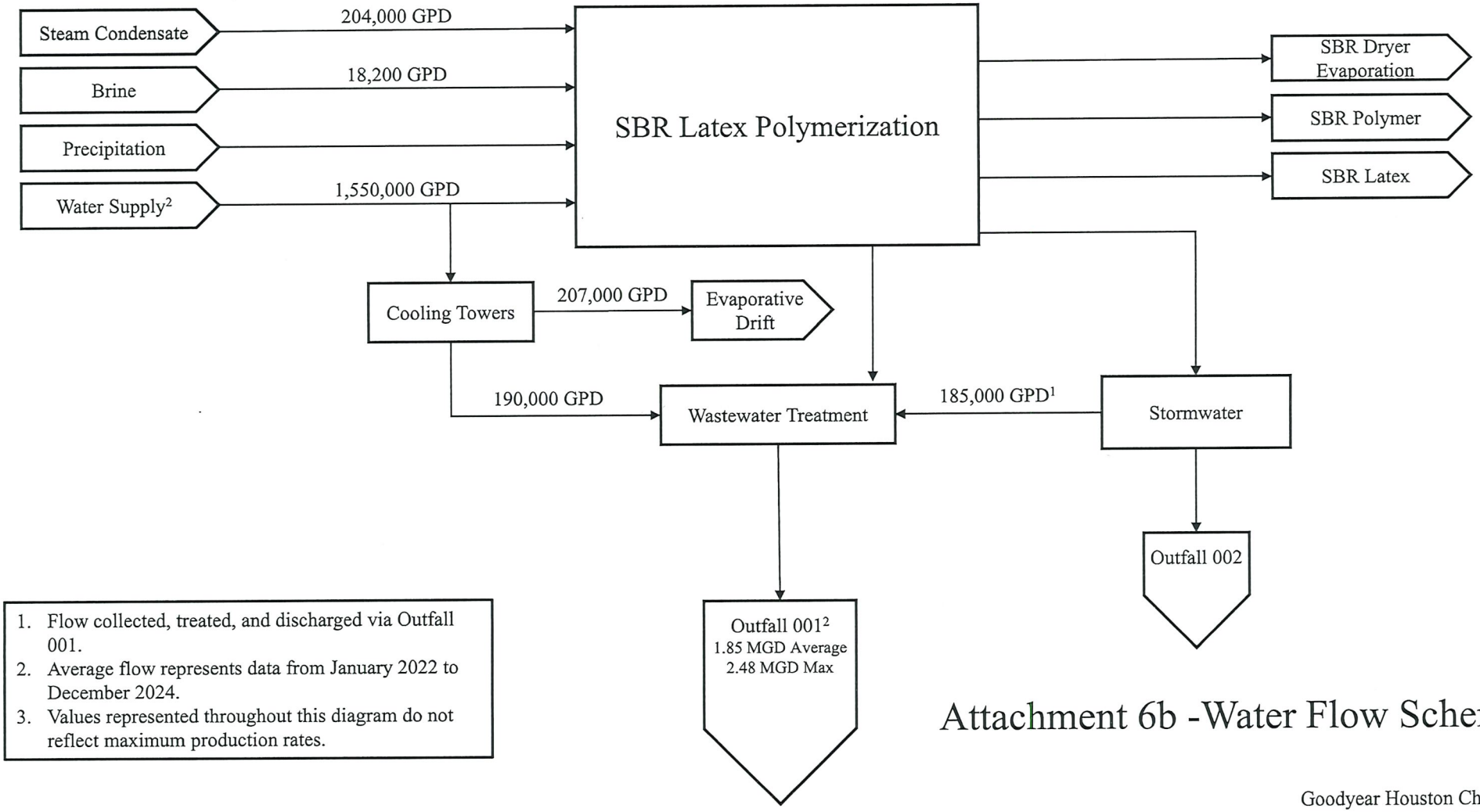
Flow Schematic 2024

Diagram of Aerated and Non-Aerated Process Waste Water Systems



Attachment 6b

Flow Schematic 2024



1. Flow collected, treated, and discharged via Outfall 001.
2. Average flow represents data from January 2022 to December 2024.
3. Values represented throughout this diagram do not reflect maximum production rates.

Attachment 6b -Water Flow Schematic

Goodyear Houston Chemical Plant
2024 TPDES Permit Renewal

Attachment 7

Impoundments 2024

Attachment 7

Impoundment Information - Technical Report 3(a)

	Use Designation: (T)(D)(C) or (E)	Outfall Discharge	Liner Type: (C)(I) or (S)	Alt. Liner Attach. Reference	Leak Detection System Y/N	Groundwater Monitoring Wells Y/N	Groundwater Monitoring Data Attachment	Pond Bottom Located above the Seasonal High water Table, Y/N	Length (ft.)	Width (ft.)	Depth from Water Surface (ft.)	Avg. Depth from Natural Ground Level (ft)	Max Depth from Natural Ground Level (ft)	Avg. Freeboard (ft)	Surface Area (Acres)	Capacity (Mil Gals)	Compliance with 40 CFR Ch. 257, Subpart D Required	Date of Construction (mm/dd/yyyy)
Lagoon L-1A	T	No	None	N/A	N	N	N/A	Y	295	155	18	5	18	2	---	3.3	No	10/5/1956
Lagoon L-2A	T	No	None	N/A	N	N	N/A	Y	400	110	10	3	18	2	---	1.7	No	10/5/1956
Lagoon L-3A	T	No	None	N/A	N	N	N/A	Y	---	---	10.3	4	21	2	64,946	3.8	No	10/5/1956
Lagoon L-4A	T	001	None	N/A	N	N	N/A	Y	---	---	10	3	21	2	40,455	3.1	No	10/5/1956
Emergency Lagoon	C	No	None	N/A	N	N	N/A	Y	---	---	19	12	18	4	36,115	5.2	No	10/5/1956
Biological Sludge Retaining Basin	T	No	None	N/A	N	N	N/A	Y	---	---	6	-1	18	2	16,740	0.7	No	10/5/1956
Lagoon L-1B	C	No	None	N/A	N	N	N/A	Y	---	---	5	-2	16	4	21,080	0.8	No	10/5/1956
Lagoon L-2B	C	No	None	N/A	N	N	N/A	Y	159	109	7	0	16	4	---	0.9	No	10/5/1956
Lagoon L-3B	C	No	None	N/A	N	N	N/A	Y	181	106	6	0	16	4	---	0.8	No	10/5/1956
Lagoon L-4B	C	No	None	N/A	N	N	N/A	Y	181	144	4	-3	16	4	---	0.8	No	10/5/1956
Primary Stormwater	C	No	None	N/A	N	N	N/A	Y	---	---	17	-2	14	2	45,880	6	No	10/5/1956
Secondary Stormwater	C	No	None	N/A	N	N	N/A	Y	250	150	17	4	16	2	37,500	4.8	No	10/5/1956

Attachment 8

Combined SDS Sheets 2024

VSDS # 241052

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name:	ChemTreat CL5632
Product Use:	Cooling Water Treatment
Supplier's Name:	ChemTreat, Inc.
Emergency Telephone Number:	(800) 424–9300 (Toll Free) (703) 527–3887
Address (Corporate Headquarters):	5640 COX ROAD Glen Allen, VA 23060
Telephone Number for Information:	(800) 648–4579
Date of MSDS:	September 11, 2013

Section 2. Hazard(s) Identification

Signal Word: **WARNING!**

Hazard Statement(s):
Causes eye irritation.
May be harmful in contact with skin.
May be harmful if inhaled.
May be harmful if swallowed.

Precautionary Statement(s): Wash hands thoroughly after handling.

Section 3. Composition/Hazardous Ingredients

Component	CAS Registry #	Wt.%
Citric acid	77–92–9	1 – 5
Benzotriazole, sodium salt	15217–42–2	1 – 5
2–Butenedioic acid (Z)–, homopolymer and 2–butenedioic acid	26099–09–2	3 – 7

Section 4. First Aid Measures

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin: Wash with plenty of soap and water. Call a poison center or

	doctor/physician if you feel unwell.
Ingestion:	DO NOT INDUCE VOMITING. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
Notes to Physician:	N/A
Additional First Aid Remarks:	N/A

Section 5. Fire Fighting Measures

Flammability of the Product:	Not flammable.
Suitable Extinguishing Media:	Use extinguishing media suitable to surrounding fire.
Specific Hazards Arising from the Chemical:	None known.
Protective Equipment:	If product is involved in a fire, wear full protective clothing including a positive–pressure, NIOSH approved, self–contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions:	Use appropriate Personal Protective Equipment (PPE).
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.
Methods for Cleaning up:	Contain and recover liquid when possible. Flush spill area with water spray.
Other Statements:	None.

Section 7. Handling and Storage

Handling:	Wear appropriate Personal Protective Equipment (PPE) when handling this product. Do not get in eyes, or on skin and clothing. Wash thoroughly after handling. Do not ingest. Avoid breathing vapors, mist or dust.
Storage:	Store away from incompatible materials (see Section 10). Store at ambient temperatures. Keep container securely closed when not in use. Label precautions also apply to empty container. Recondition or dispose of empty containers in accordance with government regulations.

For Industrial use only.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

Component	Source	Exposure Limits
Citric acid		N/E
Benzotriazole, sodium salt		N/E
2–Butenedioic acid (Z)–, homopolymer and 2–butenedioic acid		N/E

Carcinogenicity Category

Component	Source	Code	Brief Description
Citric acid			N/E
Benzotriazole, sodium salt			N/E
2–Butenedioic acid (Z)–, homopolymer and 2–butenedioic acid			N/E

Engineering Controls: Use only with adequate ventilation. The use of local ventilation is recommended to control emission near the source.

Personal Protection

Eyes: Wear chemical splash goggles or safety glasses with full–face shield. Maintain eyewash fountain in work area.

Skin: Maintain quick–drench facilities in work area.
Wear butyl rubber or neoprene gloves. Wash them after each use and replace as necessary. If conditions warrant, wear protective clothing such as boots, aprons, and coveralls to prevent skin contact.

Respiratory: If misting occurs, use NIOSH approved organic vapor/acid gas dual cartridge respirator with a dust/mist prefilter in accordance with 29 CFR 1910.134.

Section 9. Physical and Chemical Properties

Physical State and Appearance:	Liquid, Amber, Slightly Hazy
Specific Gravity:	1.110 @ 20°C
pH:	3.5 @ 20°C, 100.0%
Freezing Point:	41°F
Flash Point:	N/D
Odor:	Mild
Melting Point:	N/A
Boiling Point:	N/D
Solubility in Water:	Complete

Evaporation Rate:	N/D
Vapor Density:	N/D
Molecular Weight:	N/D
Viscosity:	<100 CPS @ 20°C
Flammable Limits:	N/A
Autoignition Temperature:	N/A
Density:	9.26 lb/ga
Vapor Pressure:	N/D
% VOC:	N/D

Section 10. Stability and Reactivity

Chemical Stability: Stable at normal temperatures and pressures.

Incompatibility with Various Substances: Strong oxidizers, Strong bases

Hazardous Decomposition Products: Oxides of carbon, Oxides of nitrogen

Possibility of Hazardous Reactions: None known.

Section 11. Toxicological Information

Chemical Name	Exposure	Type of Effect	Concentration	Species
N/D				

Comments: None.

Section 12. Ecological Information

Species	Duration	Type of Effect	Test Results
Ceriodaphnia dubia	48h	LC50	2967 mg/l
Fathead Minnow	96h	LC50	3536 mg/l
	7d	NOEC	3500 mg/l
	7d	LOEC	>3500 mg/l
	7d	IC25	>3500 mg/l

Comments: None.

Section 13. Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

DOT

Proper Shipping Name:	COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID
Technical Name:	N/A
Hazard Class:	Not D.O.T. Regulated
UN/NA#:	N/A
Packing Group:	N/A

TDG

Proper Shipping Name:	COMPOUND, INDUSTRIAL WATER TREATMENT, LIQUID
Technical Name:	N/A
Hazard Class:	Not D.O.T. Regulated
UN/NA#:	N/A
Packing Group:	N/A

Section 15. Regulatory Information

Inventory Status

United States (TSCA):	All ingredients listed.
Canada (DSL/NDSL):	All ingredients listed.

Federal Regulations

SARA Title III Rules

Sections 311/312 Hazard Classes

Fire Hazard:	No
Reactive Hazard:	No
Release of Pressure:	No
Acute Health Hazard:	Yes
Chronic Health Hazard:	No

Other Sections

Component	Section 313 Toxic Chemical	Section 302 EHS TPQ	CERCLA RQ
Citric acid	N/A	N/A	N/A
Benzotriazole, sodium salt	N/A	N/A	N/A
2–Butenedioic acid (Z)–, homopolymer and 2–butenedioic acid	N/A	N/A	N/A

Comments: None.

State Regulations

California Proposition 65: None known.

Special Regulations

Component	States
Citric acid	None
Benzotriazole, sodium salt	None
2–Butenedioic acid (Z)–, homopolymer and 2–butenedioic acid	None

International Regulations

Canada

WHMIS Classification: D2B (Toxic Material)

Controlled Product Regulations (CPR): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Section 16. Other Information

HMIS Hazard Rating

Health: 1
Flammability: 0
Physical Hazard: 0
PPE: X

Notes: The PPE rating depends on circumstances of use. See Section 8 for recommended PPE.
The Hazardous Material Information System (HMIS) is a voluntary, subjective alpha–numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the

evaluator's understanding of the chemical associated risks. The end–user must determine if the code is appropriate for their use.

NSF: N/A

FDA/USDA/GRAS: N/A

KOSHER: This product is certified by the Orthodox Union as kosher pareve. Only when prepared by the following ChemTreat facilities: Ashland, VA; Nederland, TX.

FIFRA: N/A

Other: None

Abbreviations

Abbreviation	Definition
<	Less Than
>	Greater Than
ACGIH	American Conference of Governmental Industrial Hygienists
EHS	Environmental Health and Safety Dept
N/A	Not Applicable
N/D	Not Determined
N/E	Not Established
OSHA	Occupational Health and Safety Dept
PEL	Personal Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weight Average
UNK	Unknown

Prepared by: Regulatory Affairs Department

Disclaimer

PRODUCT BULLETIN

Cooling Water Treatment
Corrosion and Scale Inhibitor
FlexPro® CL5685

GENERAL DESCRIPTION

FlexPro® CL5685 is a proprietary product containing advanced mild steel corrosion inhibitors and highly effective halogen stable triazole compound developed to provide superior corrosion protection for copper, brass, bronze, copper-nickel, and other copper-based alloys. **CL5685** effectively inhibits system corrosion by a combination of anodic, cathodic, and filming inhibitors.

CL5685 can be used in cooling water applications with phosphate or phosphorous effluent discharge limitations. **CL5685** residual can be rapidly determined using a handheld sensor, saving operator time, improving accuracy, and eliminating the need for reagents. **CL5685** residual can be verified and precisely controlled using a reagent-less, solid-state sensor probe. ChemTreat's advanced control algorithms and PLC-based controller with communications package provide continuous assurance that the required product level is maintained in the cooling system at all times.

FEATURES

- Advanced combination of corrosion inhibitors for steel, stainless steel, aluminum, and galvanized steel
- Contains patented RPSI (Reactive Polyhydroxy Starch Inhibitor) to provide both anodic and cathodic corrosion inhibition
- Halogen Stable Triazole (HST) provides exceptional corrosion protection for copper and copper alloys under stressed conditions
- Combination of threshold inhibition and crystal modification for superior scale control to keep the surfaces clean from deposition/mineral scales

TYPICAL PHYSICAL PROPERTIES

Form:	Liquid
Color:	Amber to Brown
Clarity:	Clear
Odor:	Mild
pH*:	12.7–14.0 (100.0%)
Specific Gravity*:	1.238–1.266
Density (lb/gal)*:	10.48
Viscosity*:	0–200 CPS
Freeze Point:	-6°C / 21.2°F

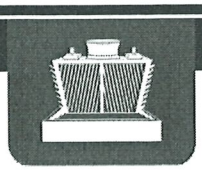
**Typical properties at 20°C unless otherwise noted.*

Refer to the **CL5685** SDS for specifics regarding safety and handling.

FEEDING, DOSAGE, AND CONTROL

CL5685 should be fed to the recirculating cooling water system in accordance with dosage and control parameters established by a ChemTreat representative for the specific application and water chemistry conditions. **CL5685** should be fed directly from the container without dilution into an area of high flow, such as the cooling tower pump suction screen pit or into a flowing line through a suitable chemical injection quill. In order to maintain product integrity, minimize holding time in the feed line and ensure dilution of the product to the recommended feed dosage occurs rapidly by not feeding into low flow or small diameter piping. **CL5685** and the halogen stable triazole can both be monitored and controlled using reagent-free, handheld or in-line sensors available from ChemTreat.

Please consult your ChemTreat representative for proper feeding equipment selection and compatibility. Dosage and Control parameters should be established by a ChemTreat representative for the specific application and water chemistry conditions.



ChemTreat

MATERIALS OF COMPATIBILITY

Compatibilities with materials of construction are available upon request from a ChemTreat representative.

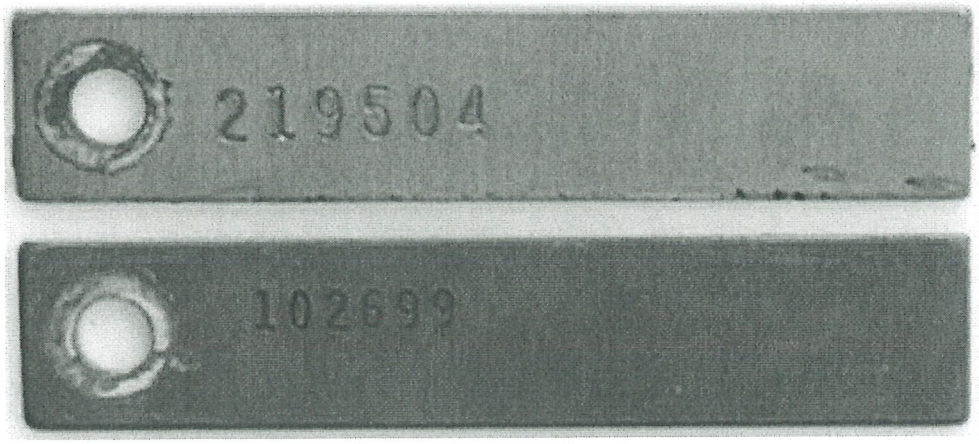
SHIPPING AND HANDLING

This product should be shipped and stored between 40°–100°F. Containers must remain closed and not exposed to humidity, direct sunlight, contact heaters, etc. If frozen and then thawed, it is considered fine to use.

PRODUCT CONVERSION

To ensure a successful product conversion, it is necessary that storage tanks be drained completely, rinsed, and redrained prior to filling with **CL5685**. Feed lines must be flushed with low hardness water between products.

Corrosion Test Strips after 90 days exposure on FlexPro® program in combination with halogen stable triazole technology
Gulf Coast Oil & Gas Application



Corrosion Rate: 0.2 mpy on low carbon steel and copper
Water: 1,000 mg/L chloride, 700 mg/L sulfate, pH 8.2

SAFETY DATA SHEET

1. Identification

Product identifier CL5685

Other means of identification

Product code Flexpro CL5685

Recommended use Cooling Water Treatment

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name ChemTreat, Inc.

Address 5640 Cox Road
Glen Allen, VA 23060
United States

Telephone 800-648-4579

Website chemtreat.com

E-mail productcompliance@chemtreat.com

Emergency phone number 800-424-9300

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Sensitization, skin	Category 1

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage.

Precautionary statement

Prevention Do not breathe mist/vapors. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information 48.87% of the mixture consists of component(s) of unknown acute oral toxicity. 31.62% of the mixture consists of component(s) of unknown acute dermal toxicity. 54.47% of the mixture consists of component(s) of unknown acute inhalation toxicity. 31.62% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 28.72% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Sodium hydroxide		1310-73-2	20 - < 30
Chlorotolyltriazole sodium salt		202420-04-0	1 - < 3
Other components below reportable levels			70 - < 80

4. First-aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion
Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed
Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling
Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	PEL	2 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield. Face shield is recommended.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance Clear

Physical state Liquid.

Form Liquid. Liquid

Color Brown

Odor Mild

Odor threshold Not available.

pH 13.2

Melting point/freezing point 21.20 °F (-6.00 °C)

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	0 - 200 cps
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	10.48
Specific gravity	1.24 - 1.27 @ 20C

10. Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Strong acids. Oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure	
Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Information on toxicological effects	
Acute toxicity	Not known.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product		Species	Test Results
CL5685			
Aquatic			
Crustacea	IC25	Opossum shrimp order (Mysida)	543 mg/l, 7 days
	LC50	Ceriodaphnia dubia	1193 mg/l, 48 hours
	LOEC	Opossum shrimp order (Mysida)	250 mg/l, 7 days
	NOEC	Opossum shrimp order (Mysida)	125 mg/l, 7 days
Fish	IC25	Inland silverside (Menidia beryllina)	1090 mg/l, 7 days
	LC50	Fathead minnow (Pimephales promelas)	583 mg/l, 96 hours
	LOEC	Inland silverside (Menidia beryllina)	2000 mg/l, 7 days
	NOEC	Inland silverside (Menidia beryllina)	1000 mg/l, 7 days

Components		Species	Test Results
Sodium hydroxide (CAS 1310-73-2)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	34.59 - 47.13 mg/l, 48 hours
Fish	LC50	Western mosquitofish (Gambusia affinis)	125 mg/l, 96 hours

Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel] The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (Sodium hydroxide and Halogenated aromatic heterocycle sodium salt)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	B2, IB2, T11, TP2, TP27
Packaging exceptions	154
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (Sodium hydroxide and Halogenated aromatic heterocycle sodium salt)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Environmental hazards	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1760
UN proper shipping name	Corrosive liquids, n.o.s. (Sodium hydroxide and Halogenated aromatic heterocycle sodium salt)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	Not available.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

DOT

IATA; IMDG

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium hydroxide (CAS 1310-73-2) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Sodium hydroxide (CAS 1310-73-2)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Compliance Information: Halal

Compliance Information: Kosher

This product is certified by the Orthodox Unionas Kosher pareve

Ashland VA
Eldridge IA
Nederland TX
Fontana CA

Compliance Information: NSF Whitebook

This product conforms to the requirements of the NSF Nonfood Compounds Registration Program, Registration # 161286; Category G5.

16. Other information, including date of preparation or last revision

Issue date	02-01-2023
Revision date	02-28-2023
Version #	02
HMIS® ratings	Health: 3 Flammability: 1 Physical hazard: 0 Personal protection: X
Disclaimer	ChemTreat, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.
Revision information	Transport Information: Material Transportation Information
Other information	Prepared by: Product Compliance Department; ProductCompliance@chemtreat.com

Attachment 9

Stormwater Pollution Prevention 2024

ATTACHMENT 9
SPILL PREVENTION AND STORMWATER POLLUTION PREVENTION

The Houston Plant implements material handling and spill prevention protocols to reduce/prevent potential contamination of stormwater run-off in process areas. The following is a general summary of these protocols as associated with discharges from Outfalls 001 and 002.

Facility Description

The facility, operating 24/7/365, maintains perimeter fencing and on-site security personnel. Facility lighting is adequate for discovery and prevention of a discharge.

Facility Loading/Unloading Operations

The Houston plant has detailed unloading procedures for receiving truck and rail shipments of materials and products. The loading/unloading areas are equipped with a combination of trenches and/or catchment basins that would route spills to the wastewater treatment system. The wastewater systems have the capacity to contain the largest truck, tank, or rail car present on-site.

Wastewater Treatment System (Tradewaste)

Within Tradewaste, complete containment of a potential spill from the facility is possible. The system of lagoons and equipment. Collection of spills or discharge to the Tradewaste system will occur in any of the secondary treatment lagoons ("A" Lagoons). Stormwater from process areas drains to the stormwater basin where it is then routed to the stormwater lagoon system for refeeding into the primary/secondary treatment process.

Tank Farm

The Tank Farm (raw material storage) receives drainage support from a network or trenches that route run-off to an oil separator pit before discharge to the wastewater plant. In the event of a release, the oil separator pit can be isolated to control potential spills.

Reactor/Recovery

Drainage in the Reactor/Recovery process areas occurs via the network of trenches and wastewater pits routing to the wastewater plant.

Finishing Buildings

The Finishing Building operations (latex storage, coagulation, rubber drying, baling and packaging) discharge to wastewater pits.

Latex Concentration

D-8 is curbed on all sides routing process and stormwater run-off to a dedicated wastewater pit.

Secondary Containment and Drainage

The Houston Plant maintains secondary containment structures, but the wastewater system provides final containment in discharge prevention. Concrete pits, trenches, floors, curbs, and basins are considered sufficiently impervious to allow appropriate management of any oil losses to prevent a discharge.

Attachment 10

Toxicity Testing 2024

Attachment 10
Section 9 - Toxicity Testing

Per the current industrial wastewater permit (WQ0000520000), the Houston Plant conducts toxicity testing on the following schedule.

Test Type	Species	Frequency	Purpose
Chronic	Mysid Shrimp (Mysidopsis Bahia)	Semi-Annual	Determine if an appropriately dilute effluent sample adversely affects the survival or growth of the test organisms. A minimum of eight replicates with five organisms per replicate shall be used in the control and in each dilution.
Chronic	Inland Silverside (Menidia Beryllina)	Annual	Determine if an appropriately dilute effluent sample adversely affects the survival or growth of the test organisms. A minimum of five replicates with eight organisms per replicate shall be used in the control and in each dilution.
Acute	Inland Silverside (Menidia Beryllina)	Semi-Annual	Determine compliance with the Surface Water Quality Standard, 307.6(e)(2)(B), of greater than 50 percent survival of the appropriate test organisms in 100 percent effluent for a 24-hour period.

As identified in the permit, the Houston Plant provides required reporting tables associated with toxicity testing by the required report date.

Attachment 11

Process Non-Process Flows 2024

Attachment 11
Breakdown of Process and Non-Process Flows

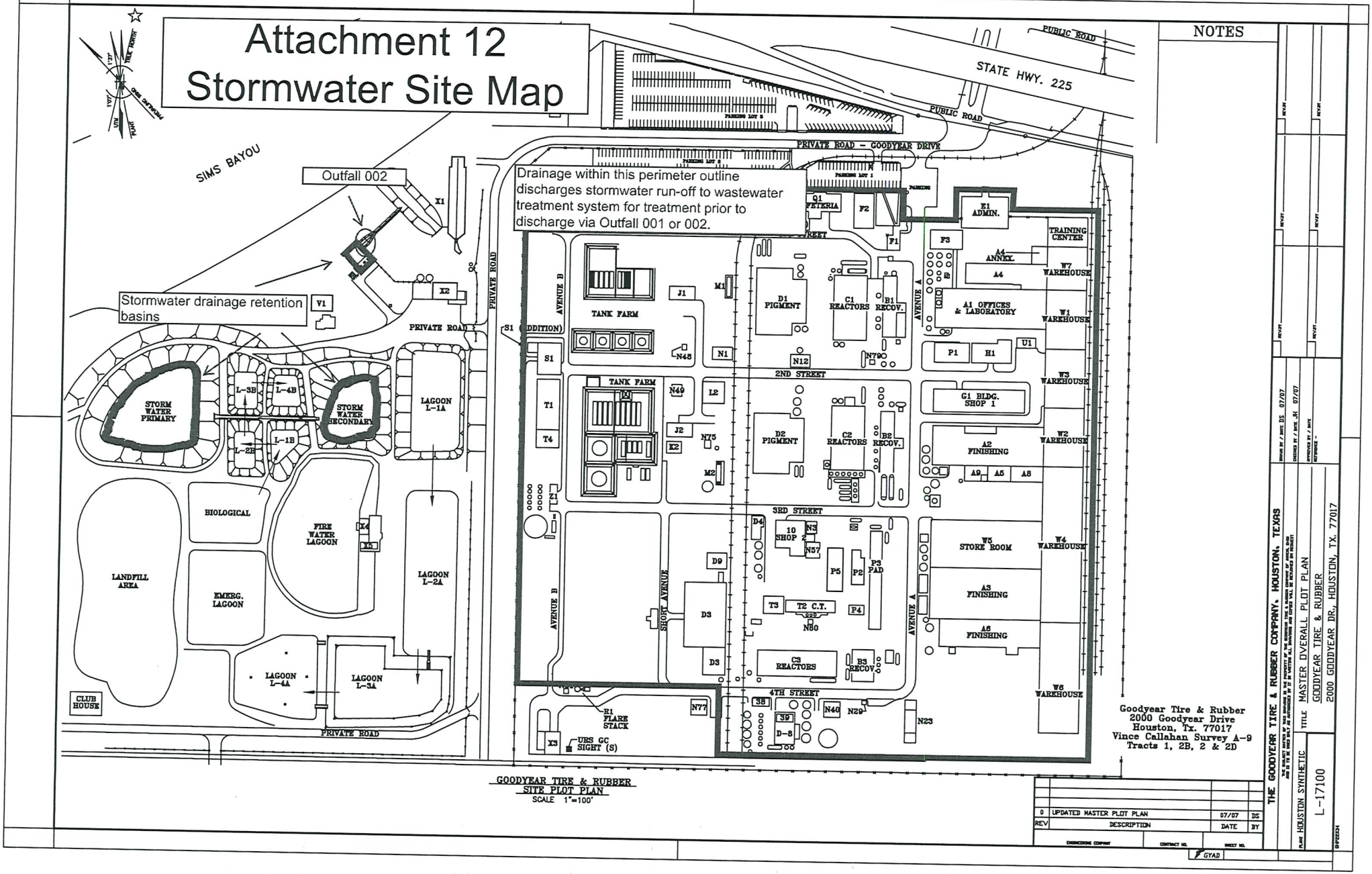
Process Flows		
Process	**Category**	**Wastewater Flow (gpd)**
SBR Production Latex Production	Part 428 Subpart B Part 428 Subpart D	1,400,000 300,000

Non-Process Flows	
Flow	**Wastewater Flow (gpd)**
Cooling Tower Blowdown Stormwater	207,000 185,000

Attachment 12

SW Site Map

Attachment 12
Stormwater Site Map



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 25, 2024

Mr. Thomas Baldauf
Site Manager
The Goodyear Tire & Rubber Company
~~11357 IH 10~~
~~Beaumont, Texas 77705~~

RE: Application to Renew Permit No.: WQ0000520000 (EPA I.D. No. TX0003689)
Applicant Name: The Goodyear Tire & Rubber Company (CN600616049)
Site Name: Goodyear Houston Chemical Plant (RN100870898)
Type of Application: Renewal with changes

VIA EMAIL

Dear Mr. Baldauf:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

1. Core Data Form (CDF), Section III, Items 27 & 28: This section was left blank please competed and return with response to this letter.

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

   APPLICATION. The Goodyear Tire & Rubber Company and P.O. Box 5397, ~~Houstn~~, Texas 77262, which own(s) an emulsion crumb rubber and latex manufacturing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0000520000 (EPA I.D. No. TX0003689) to authorize process wastewater commingled with miscellaneous cleaning wastes, treated cooling tower blowdown, treated stormwater, ~~previously treated domestic sewage~~, and stormwater at a volume not to exceed a daily average flow of 2,900,000 gallons per day via Outfall 001; and the discharge of stormwater at an intermittent and flow variable rate via Outfall 002. The facility is located at 2000 Goodyear Drive, in the city of Houston, in Harris County, Texas 77017. The discharge route is from the plant site to Sims Bayou Tidal, part of the Houston Ship Channel/Buffalo Bayou Tidal. TCEQ received this application on April 19, 2024. The permit application will be available for viewing and copying at TCEQ Region 12, 3rd floor, 5425 Polk Avenue, Suite H, Houston, Texas prior to the date this notice is published in the newspaper. 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.

3. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

Please submit the complete response, addressed to my attention by May 9, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-4658 or by email at rachel.ellis@tceq.texas.gov

Sincerely,

Rachel Ellis

Rachel Ellis
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

re

Enclosure(s)

Attachment 1: Industrial Discharge Renewal Spanish NORI

cc: Mr. Charlie Mingo, Environmental Team Lead, The Goodyear Tire & Rubber Company, 11357 IH-10, Beaumont, Texas 77705