Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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 INDUSTRIAL WASTEWATER/STORMWATER

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

Capitol Aggregates, Inc. (CN604033142) operates Capitol Aggregates Cement Plant (RN100211507), a Portland and masonry cement manufacturing plant. The facility is located at 11551 Nacogdoches Road, in San Antonio, Bexar County, Texas 78217. Capitol Aggregates, Inc. has applied to renew existing TCEQ Permit No. WQ0001510000.

Discharges from the facility are required to be monitored for total suspended solids (TSS), chemical oxygen demand (COD), pH, and visible oil. Discharge does not occur regularly. Wastewater from the facility consists of runoff from material stockpiles, vehicle and plant wash water, road dust suppression water, cooling tower blowdown, air compressor condensate, water from facility sinks, dust suppression water from the primary crusher, and stormwater runoff from process and non-process areas. These waters are treated by retentions ponds. Retention Pond 1 (Outfall 001) and Retention Pond 2 (Outfall 002) are used for sedimentation. Besides the retention ponds, no additional treatment is currently necessary to meet permitted effluent limitations.

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

AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

Capitol Aggregates, Inc. (CN604033142) opera la planta de cemento Capitol Aggregates (RN100211507), una planta de fabricación de cemento portland y cemento para mampostería. La instalación está ubicada en 11551 Nacogdoches Road, en San Antonio, Condado de Bexar, Texas 78217. Capitol Aggregates, Inc. está solicitado la renovación del permiso existente de TCEQ No. WQ0001510000.

Se espera que las descargas de la instalación contengan solidos suspendidos totales (TSS), demanda química de oxígeno (COD), pH, y aceite visible. Las descargas no ocurren con regularidad. Las aguas residuales de la instalación consisten en escorrentía de las pilas de materiales, agua de lavado de vehículos y de la planta, agua de supresión de polvo de carreteras, purga de la torre de enfriamiento, condensado del compresor de aire, agua de los fregaderos de las instalaciones, agua de supresión de polvo de la trituradora primaria y escorrentía de aguas pluviales de áreas de proceso y no proceso. Esta agua está tratada por estanques de retención. El estanque de retención 1 (emisario 001) y el estanque de retención 2 (emisario 002) se utilizan para la sedimentación. Además de los estanques de retención, actualmente no es necesario ningún tratamiento adicional para cumplir con las limitaciones permitidas de efluentes.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0001510000

APPLICATION. Capitol Aggregates, Inc., P.O. Box 33240, San Antonio, Texas 78265, which owns a Portland and masonry cement facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0001510000 (EPA I.D. No. TX0030040) to authorize the discharge of wastewater and stormwater at an intermittent and flow variable rate via Outfalls 001 and 002. The facility is located at 11551 Nacogdoches Road, San Antonio, in Bexar County, Texas 78217. The discharge route is from the plant site via Outfalls 001 and 002 to unnamed tributaries of Salado Creek; thence to Salado Creek. TCEQ received this application on September 24, 2024. The permit application will be available for viewing and copying at San Antonio Central Library, 600 Soledad Street, San Antonio, in Bexar County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.421666,29.546388&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 Capitol Aggregates, Inc. at the address stated above or by calling Mr. Andrew Frye, Director of Environmental Affairs, at 210-871-7294.

Issuance Date: October 24, 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. WQ0001510000

SOLICITUD. Capitol Aggregates, Inc., P.O. Box 33240, San Antonio, Texas 78265, propietario de una planta de fabricación de cemento portland y cemento para mampostería, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0001510000 (EPA I.D. No. TX0030040) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales y pluviales a una tasa variable e intermitente a través de los Emisarios 001 y 002. La planta está ubicada en 11551 Nacogdoches Road, San Antonio, en el Condado de Bexar, Texas. La ruta de descarga es del sitio de la planta a través de los Emisarios 001 y 002 hacia tributarios sin nombre del Arroyo Salado; luego al Arroyo Salado. La TCEQ recibió esta solicitud el 24 de septiembre del 2024. La solicitud para el permiso estará disponible para leerla y copiarla en la Biblioteca Central de San Antonio, 600 Soledad Street, San Antonio, en el condado de Bexar, Texas antes de la fecha en que este aviso sea publicado en el periódico. La solicitud (y cualquier actualización asociada) estarán disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.421666,29.546388&level=18

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión. La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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

designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional de Capitol Aggregates, Inc., en la dirección indicada arriba o llamando a Andrew Frye al 210-871-7294.

Fecha de emisión: 24 de octubre de 2024

POWER ENGINEERS, INC.
85 NE LOOP 410
SUITE 207
SAN ANTONIO, TX 78216 USA
PHONE 210-446-1071

September 19, 2024

Texas Commission on Environmental Quality
Water Quality Division
Wastewater Permitting Section (MC-148)
12100 Park 35 Circle
Austin, Texas 78753

Subject: **TPDES Industrial Wastewater Permit Renewal Application**
Capitol Aggregates, Inc. CN604033142; RN100211507; Permit No. WQ0001510000

Dear Sir/Madam:

Please find attached one original and two copies of a TPDES Permit Renewal application submitted by POWER Engineers, Inc. on behalf of Capitol Aggregates, Inc. This application is for renewal of permit number WQ0001510000 for the Capitol Aggregates Cement Plant in San Antonio, Texas.

If you have any questions regarding this submittal or if you require additional information, please call me at 210-951-6424.

Sincerely,

Julie Morelli

c: Andrew Frye, Capitol Aggregates, Inc.
Zachary McMahon, Capitol Aggregates, Inc.

Attachment: TPDES Permit Renewal Application

September 19, 2024

CAPITOL AGGREGATES, INC.

Capitol Aggregates Cement Plant

TCEQ INDUSTRIAL WASTEWATER PERMIT RENEWAL APPLICATION
San Antonio, Bexar County, Texas
Permit No. WQ0001510000
CN604033142
RN100211507

Submitted To:
Texas Commission on Environmental Quality
Water Quality Division
Wastewater Permitting Section MC-148
12100 Park 35 Circle
Austin, Texas 78753

PROJECT NUMBER:
0253267

PROJECT CONTACT:
Julie Morelli
EMAIL:
julie.morelli@powereng.com
PHONE:
210-951-6424

POWER ENGINEERS

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ADMINISTRATIVE REPORT 1.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

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

APPLICANT NAME: Capitol Aggregates, Inc.

PERMIT NUMBER (If new, leave blank): WQ00 01510000

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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: Capitol Aggregates, Inc.

Permit No.: WQ0001510000

EPA ID No.: TX00030040

Expiration Date: March 31, 2025

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: Click to enter text.

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: 721894 and 721895

Copy of voucher attachment: Attachment: Payment Submittal Form

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN604033142

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: Capitol Aggregates, Inc.

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): Thorington/Derek

Title: Plant Manager Credential: Click to enter text.

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

☒ Yes ☐ No

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

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

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

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

☒ 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: 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): Frye/Andrew

Title: Director of Environmental Affairs Credential: Click to enter text.

Organization Name: Capitol Aggregates, Inc.

Mailing Address: P.O. Box 33240 City/State/Zip: San Antonio, TX 78265

Phone No: 210-871-7294 Email: Andrew.Frye@capitolaggregates.com

b. ☐ Administrative Contact ☒ Technical Contact

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

Title: Consultant Credential: Click to enter text.

Organization Name: POWER Engineers, Inc.

Mailing Address: 85 NE Loop 410, Suite 207 City/State/Zip: San Antonio, TX 78216

Phone No: 210-951-6424 Email: julie.morelli@powereng.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: Click to enter text. Full Name (Last/First Name): Frye/Andrew

Title: Director of Environmental Affairs Credential: Click to enter text.

Organization Name: Capitol Aggregates, Inc.

Mailing Address: P.O. Box 33240 City/State/Zip: San Antonio, TX 78265

Phone No: 210-871-7294 Email: Andrew.frye@capitolaggregates.com

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

Title: Environmental Specialist I Credential: Click to enter text.

Organization Name: Capitol Aggregates, Inc.

Mailing Address: P.O. Box 33240 City/State/Zip: San Antonio, TX 78265

Phone No: 210-871-7054 Email: zachary.mcmahon@capitolaggregates.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: Click to enter text. Full Name (Last/First Name): Frye/Andrew

Title: Director of Environmental Affairs Credential: Click to enter text.

Organization Name: Capitol Aggregates, Inc.

Mailing Address: P.O. Box 33240 City/State/Zip: San Antonio, TX 78265

Phone No: 210-871-7294 Email: Andrew.frye @capitolaggregates.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: Click to enter text. Full Name (Last/First Name): McMahon/Zach

Title: Environmental Specialist I Credential: Click to enter text.

Organization Name: Capitol Aggregates, Inc.

Mailing Address: Capitol Aggregates, Inc. City/State/Zip: San Antonio, TX 78265

Phone No: 210-871-7054 Email: zachary.mcmahon@capitolaggregates.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

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

Title: Consultant Credential: Click to enter text.

Organization Name: POWER Engineers, Inc.

Mailing Address: 85 NE Loop 410, Suite 207 City/State/Zip: San Antonio, TX 78216

Phone No: 210-951-6424 Email: julie.morelli@powereng.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: julie.morelli@powereng.com

☐ Fax: Click to enter text.

☐ Regular Mail (USPS)

Mailing Address: Click to enter text.

City/State/Zip Code: Click to enter text.

c. Contact in the Notice

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

Title: Director of Environmental Affairs Credential: Click to enter text.

Organization Name: Capitol Aggregates, Inc.

Phone No: 210-871-7294 Email: Andrew.frye@capitolaggregates.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: San Antonio Central Library Location within the building: "Visiting Document Shelf"

Physical Address of Building: 600 Soledad Street

City: San Antonio County: Bexar

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: Plain Language Summary

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: RN100211507

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): Capitol Aggregates Cement 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: Click to enter text. Full Name (Last/First Name): Click to enter text.

or Organization Name: Capitol Aggregates, Inc.

Mailing Address: P.O. Box 33240 City/State/Zip: San Antonio, TX 78265

Phone No: 210-871-7228 Email: Andrew.frye@capitolaggregates.com

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: Capitol Aggregates, Inc.

Mailing Address: P.O. Box 33240 City/State/Zip: San Antonio, TX 78265

Phone No: 210-871-7228 Email: Andrew.frye@capitolaggregates.com

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

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: 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.

Item 11. TPDES 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: Topographic Map

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 – no sludge disposal

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): San Antonio

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

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

☐ Yes ☒ No

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

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

For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Click to enter text.

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

☐ Yes No or New Permit ☒ N/A

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

j. City nearest the disposal site: N/A

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

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

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

Item 12. Miscellaneous Information (Instructions, Page 33)

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

☐ Yes ☒ No

If yes, list each person: Click to enter text.

b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

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: WQ0001510000

Applicant Name: Capitol Aggregates, Inc.

Certification: I, Derek Thorington, 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): Derek Thorington

Signatory title: Plant Manager

Signature: Derek Thorington (Use blue ink) Date: 9/11/2024

Subscribed and Sworn to before me by the said applicant

on this eleventh day of September, 20 24.

My commission expires on the 28th day of January, 20 24.

Marisol DeAlba
Notary Public

MARISOL DE ALBA
Notary Public, State of Texas
Comm. Expires 01-28-2025
Notary ID 132897329
[SEAL]

Bexar
County, Texas

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: Supplemental Permit Information Form

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

ATTACHMENT– CORE DATA FORM

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 604033142		**RN 100211507**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 8/22/2024

☐ 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:*

Capitol Aggregates, Inc.

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
801525417	17427312255	17427312255	

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

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

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

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

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

15. Mailing Address:	Capitol Aggregates, Inc.							
	P.O Box 33240							
	City	San Antonio	**State**	TX	**ZIP**	78265	**ZIP + 4**	3240

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	andrew.frye@capitolaggregates.com

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

(210) 871-7294		( ) -

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.)*

Capitol Aggregates Cement Plant

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	Capitol Aggregates, Inc.							
	11551 Nacogdoches Road							
	City	San Antonio	**State**	TX	**ZIP**	78217	**ZIP + 4**	
24. County	Bexar							

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:	29.548889		**28. Longitude (W) In Decimal:**	-98.422222	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	32	56	98	25	20

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)
3241	n/a	327310	n/a

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

Manufacture Portland / Masonary cement

34. Mailing Address:	**Capitol Aggregates, Inc.**							
	P.O. Box 33240							
	City	**San Antonio**	**State**	**TX**	**ZIP**	**78265**	**ZIP + 4**	**3240**
35. E-Mail Address:	**andrew.frye@capitolaggregates.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(210) 871-7294		( ) -

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:
	TX0030040; WQ0001510000			

SECTION IV: Preparer Information

40. Name:	Julie Morelli	41. Title:	Consultant

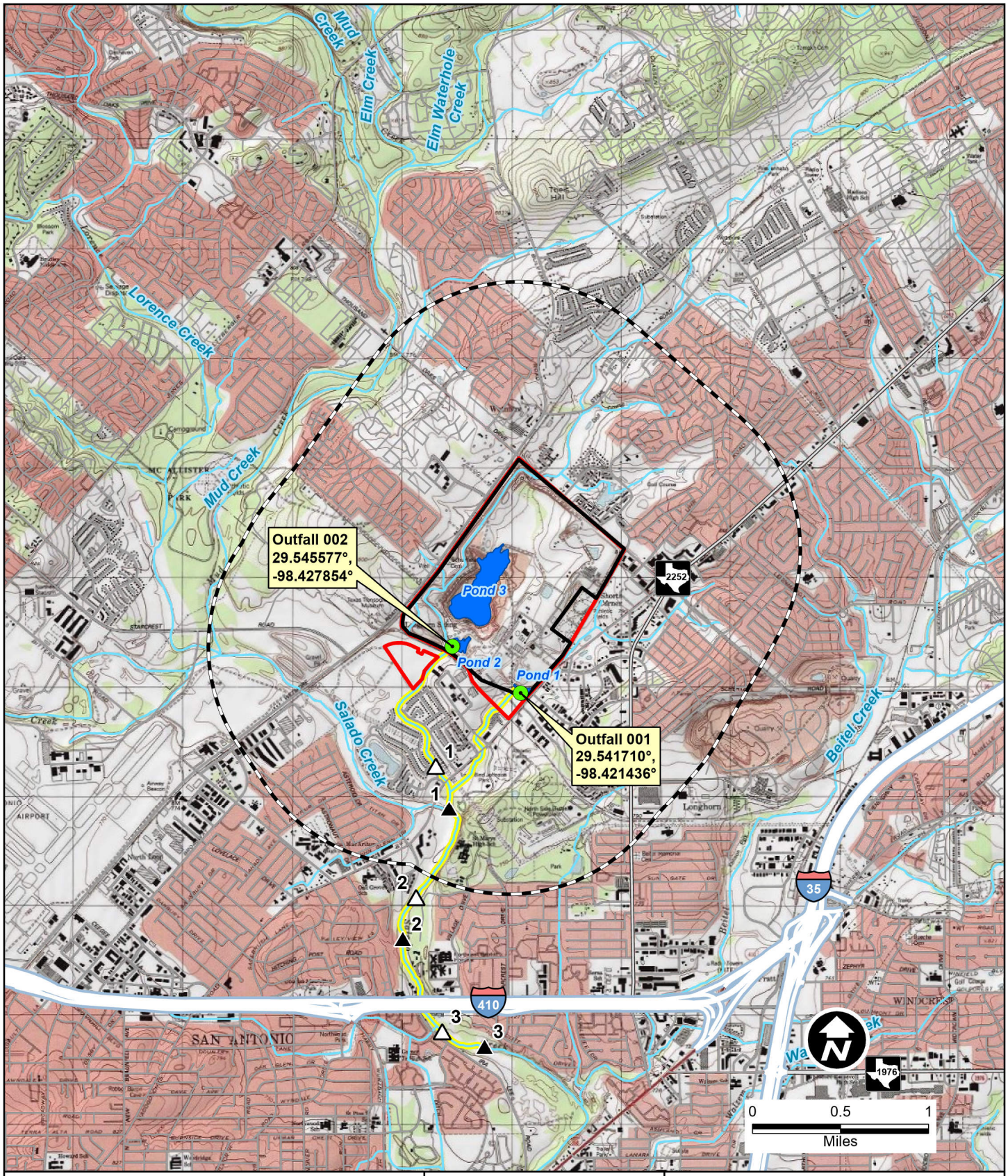
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(210) 951-6424		( ) -	julie.morelli@powereng.com

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:	Capitol Aggregates, Inc.	Job Title:	Plant Manager
Name *(In Print)*:	Derek Thorington	Phone:	(210) 871 - 7033
Signature:	Derek Thorington	Date:	9/11/2024

ATTACHMENT – TOPOGRAPHIC MAP



Property Boundary
Treatment Plant Boundary
Outfall Location
Outfall 001 Downstream Mile
Outfall 002 Downstream Mile
1 Mile Radius
Discharge Route
Wastewater Pond
River/Stream

CAPITOL AGGREGATES, INC.

CAPITOL AGGREGATES CEMENT PLANT

TOPOGRAPHIC MAP

11551 NACOGDOCHES ROAD
SAN ANTONIO
BEXAR COUNTY, TX 78217

POWER ENGINEERS

Date: 8/21/2024

Document Path: G:\Projects\0253267_CapitolAggregates_SanAntonioCementPlant\Apps\PRO\0253267_CapitolAggregates_SanAntonioCementPlant\0253267_CapitolAggregates_SanAntonioCementPlant.aprx

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF) AND ATTACHMENTS

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: Capitol Aggregates, Inc.

   Permit No. WQ00 01510000 EPA ID No. TX 0030040

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

   11551 Nacogdoches Road, San Antonio, Texas, 78217, Bexar 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: Zach McMahon

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

Title: Environmental Specialist I

Mailing Address: P.O. Box 33240

City, State, Zip Code: San Antonio, TX 78265

Phone No.: 210-871-7054 Ext.: Click here to enter text. Fax No.: 210-452-3870

E-mail Address: zachary.mcmahon@capitolaggregates.com

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

Outfalls 001 and 002 discharge to two unnamed intermittent tributaries of Salado Creek, thence to Salado Creek in Segment 1910 of the San Antonio 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):

N/A - The subject facility is existing.

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

Existing disturbances consist of limestone quarrying and grading from construction. Vegetation is minimal. Existing land use is industrial.

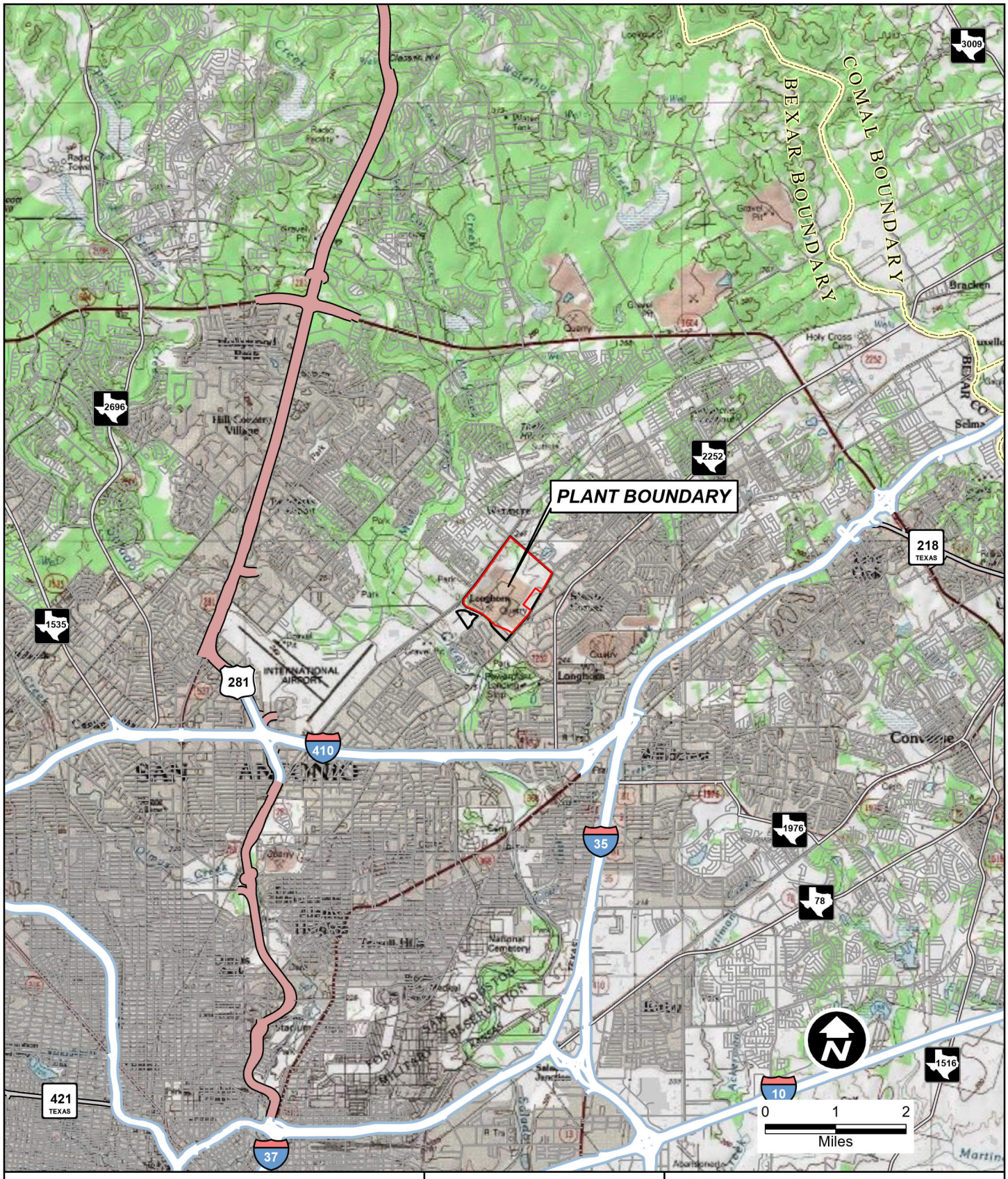
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

N/A – Renewal only

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

N/A



Property Boundary

Treatment Plant Boundary

CAPITOL AGGREGATES, INC.

SUPPLEMENTAL PERMIT INFORMATION FORM

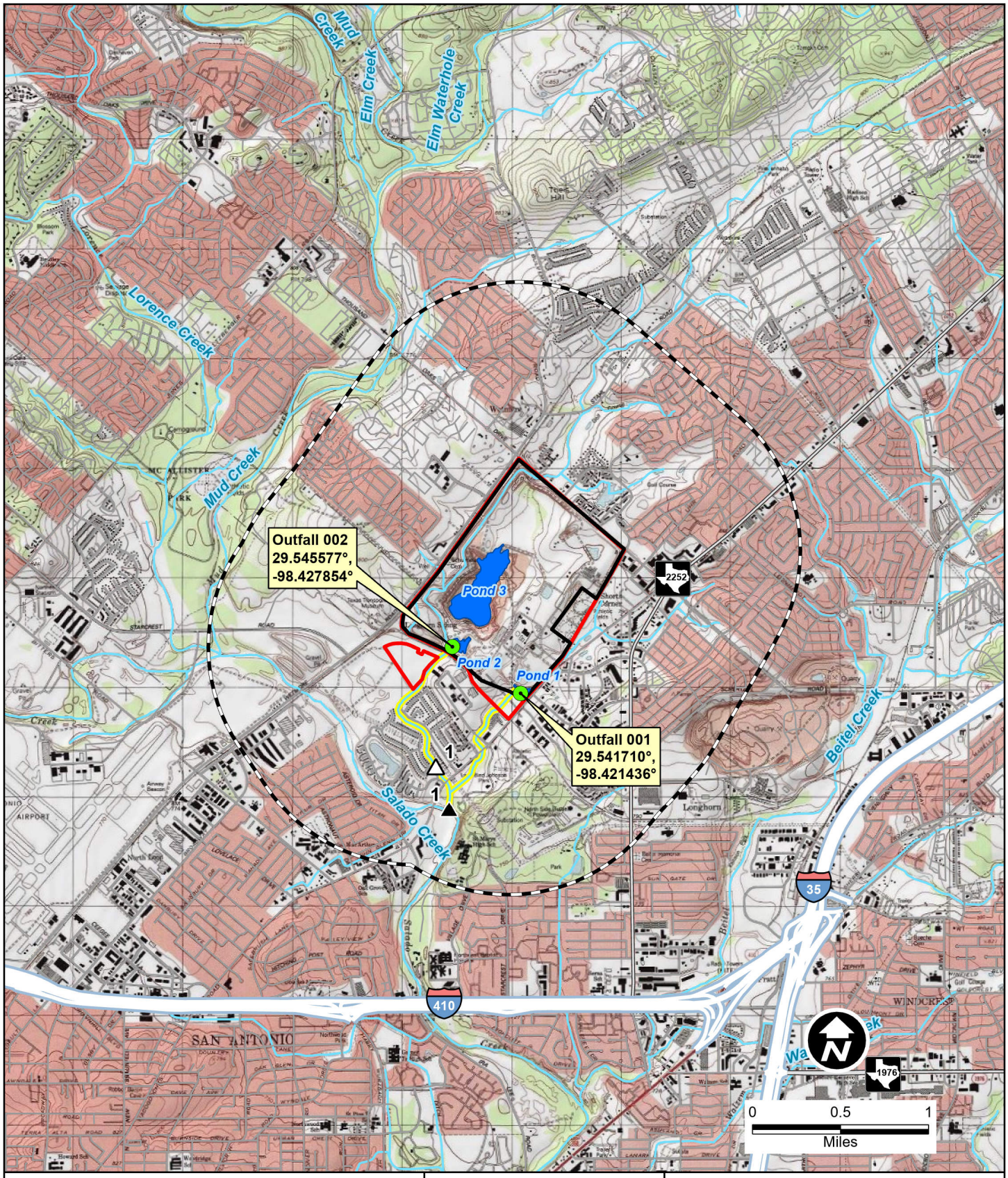
GENERAL LOCATION MAP

11551 NACOGDOCHES ROAD
SAN ANTONIO
BEXAR COUNTY, TX 78217

POWER ENGINEERS

Date: 8/21/2024

Document Path: G:\Projects\0253267_CapitolAggregates_SanAntonioCementPlant\Apps\PRO\0253267_CapitolAggregates_SanAntonioCementPlant\0253267_CapitolAggregates_SanAntonioCementPlant.aprx



Property Boundary
Treatment Plant Boundary
Outfall Location
Outfall 001 Downstream Mile
Outfall 002 Downstream Mile
1 Mile Radius
Discharge Route
Wastewater Pond
River/Stream

CAPITOL AGGREGATES, INC.

SUPPLEMENTAL PERMIT INFORMATION FORM

TOPOGRAPHIC MAP

11551 NACOGDOCHES ROAD
SAN ANTONIO
BEXAR COUNTY, TX 78217

POWER ENGINEERS

Date: 8/21/2024

Document Path: G:\Projects\0253267_CapitolAggregates_SanAntonioCementPlant\Apps\PRO\0253267_CapitolAggregates_SanAntonioCementPlant\0253267_CapitolAggregates_SanAntonioCementPlant.aprx

PAYMENT SUBMITTAL FORM

TCEQ ePay Receipt

Transaction Information

Trace Number:	582EA000625953
Date:	09/18/2024 04:21 PM
Payment Method:	CC - Authorization 0000011764
ePay Actor:	JUDIE PAL
TCEQ Amount:	$1,215.00
Texas.gov Price::	$1,242.59*

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

Payment Contact Information

Name:	CONNOR HELSEL
Company:	POWER ENGINEERS
Address:	3940 GLENBROOK DRIVE, HAILEY, ID 83333
Phone:	385-386-4101

Cart Items

Voucher	Fee Description	AR Number	Amount
721894	WW PERMIT - MINOR FACILITY SUBJECT TO 40 CFR 400-471 - RENEWAL		$1,200.00
721895	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		$15.00
		TCEQ Amount:	**$1,215.00**

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 INDUSTRIAL WASTEWATER/STORMWATER

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

Capitol Aggregates, Inc. (CN604033142) operates Capitol Aggregates Cement Plant (RN100211507), a Portland and masonry cement manufacturing plant. The facility is located at 11551 Nacogdoches Road, in San Antonio, Bexar County, Texas 78217. Capitol Aggregates, Inc. has applied to renew existing TCEQ Permit No. WQ0001510000.

Discharges from the facility are required to be monitored for total suspended solids (TSS), chemical oxygen demand (COD), pH, and visible oil. Discharge does not occur regularly. Wastewater from the facility consists of runoff from material stockpiles, vehicle and plant wash water, road dust suppression water, cooling tower blowdown, air compressor condensate, water from facility sinks, dust suppression water from the primary crusher, and stormwater runoff from process and non-process areas. These waters are treated by retentions ponds. Retention Pond 1 (Outfall 001) and Retention Pond 2 (Outfall 002) are used for sedimentation. Besides the retention ponds, no additional treatment is currently necessary to meet permitted effluent limitations.

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

AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

Capitol Aggregates, Inc. (CN604033142) opera la planta de cemento Capitol Aggregates (RN100211507), una planta de fabricación de cemento portland y cemento para mampostería. La instalación está ubicada en 11551 Nacogdoches Road, en San Antonio, Condado de Bexar, Texas 78217. Capitol Aggregates, Inc. está solicitado la renovación del permiso existente de TCEQ No. WQ0001510000.

Se espera que las descargas de la instalación contengan solidos suspendidos totales (TSS), demanda química de oxígeno (COD), pH, y aceite visible. Las descargas no ocurren con regularidad. Las aguas residuales de la instalación consisten en escorrentía de las pilas de materiales, agua de lavado de vehículos y de la planta, agua de supresión de polvo de carreteras, purga de la torre de enfriamiento, condensado del compresor de aire, agua de los fregaderos de las instalaciones, agua de supresión de polvo de la trituradora primaria y escorrentía de aguas pluviales de áreas de proceso y no proceso. Esta agua está tratada por estanques de retención. El estanque de retención 1 (emisario 001) y el estanque de retención 2 (emisario 002) se utilizan para la sedimentación. Además de los estanques de retención, actualmente no es necesario ningún tratamiento adicional para cumplir con las limitaciones permitidas de efluentes.

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).

Capitol Aggregates, Inc. owns and operates the Capitol Aggregates Cement Plant, subject to this permit. The plant is an existing industrial facility which manufactures Portland and masonry cement. The plant consists of facilities for limestone quarrying, raw material storage and grinding, two cement manufacturing kilns and finish mills, intermediate product (clinker) and additive storage and grinding, finished product (cement) storage, solid fuel storage and milling, materials handling, and truck and railcar loading/unloading operations.

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

Wastewater discharge consists of stormwater runoff associated with the industrial activities described above in Item a. In the watersheds for Ponds 1 & 2 (retention basins), stormwater runoff may be potentially commingled with negligible surface runoff from dust control activities including plant and vehicle wash down and dust suppression of materials and roads during dry periods. Leakage from cooling towers goes to the ground in these drainage areas and cooling tower blowdown can be used for dust suppression or it can be discharged directly to the ground. Similarly, air compressor condensate can be used for dust suppression, or it can be discharged directly to the ground. Small volumes of wash water from various sinks (outdoor soap-and-water sinks; quality control lab sinks) throughout the facility also discharge to the ground. Cement kiln dust is stored in Pond 3's (quarry) watershed. Additionally, storm water runoff in Pond 3's watershed may potentially commingle with negligible drainage runoff from fissures in the quarry face resulting from stormwater infiltration and percolation through the limestone. All stormwater is captured in Ponds 1 - 3, for recycling/re-use on site, as process make-up water, wash down water and/or dust suppression water Pond 1 can discharge to Outfall 001 and Ponds 2 and 3 share an

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

outfall (002); however, discharge is infrequent. Additionally, stormwater runoff from the co-located Carbon Free Facility (separate entity) will eventually discharge to Outfall 002. Carbon Free Facility is authorized to discharge under a TPDES Multi-Sector General Permit (TXR05GL15).

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

Materials List

Raw Materials	**Intermediate Products**	**Final Products**
Limestone & Argillaceous Limestone	Clinker	Portland Cement
Clay	Kiln Feed	Class H
Sand, Gypsum	Cement Kiln Dust	Types I, II & III and others
Iron Ore & Iron Oxide Additives		Masonry Cement S & N and others
Bauxite & Aluminum Oxide Additives		Mico Matrix
Natural Gas		
Coal & Petrolatum Coke		
Tire Derived Fuel & Whole Tires		
Misc. raw materials & additives as allowed under TCEQ Air Quality Permit 7369 or by PBRs.		

Attachment: N/A

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

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

Attachment: Facility Map

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

☐ Yes ☒ No

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

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

☒ Yes ☐ No

List source(s) used to determine 100-year frequency flood plain: FEMA FIRM Map No. 48029C0270G, Panel 270 of 785, Revised September 29, 2010

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

Attachment: Click to enter text.

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.

Retention Pond 1 (Outfall 001) and Retention Ponds 2 and 3 (Outfall 002) are used for sedimentation. See water balance for waste streams discharged to ponds and thence to Outfall 001 and 002. Water generated by the on-site air compressor is captured and discharged to a tote or small tank prior to discharge to check for oil. If oil is visible in the water, it is not discharged, but sent off-site for disposal. No chlorination, or other physical, chemical or biological treatment of wastewater occurs prior to recycling or discharge. No treatment is currently necessary to meet effluent guidelines for the Cement Manufacturing Point Source Category under 40 CFR 411 (Nonleaching Subcategory) or the TPDES General Permit for Storm Water Associated with Industrial Activity effluent guidelines.

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: Water Balance

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 #1**	**Pond #2**	**Pond #3**	**Pond #**
Use Designation: (T) (D) (C) or (E)	T,C,E	T,C,E	T,C,E	
Associated Outfall Number	001	002	003	
Liner Type (C) (I) (S) or (A)	C	C	I	
Alt. Liner Attachment Reference				
Leak Detection System, Y/N	N	N	N	
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	Y	Y	Y	
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), Not Including Freeboard	5	5	7	
Freeboard (ft)	5	6	8	
Surface Area (acres)	1.61	4.15	47.6	
Storage Capacity (gallons)	2.88M	8.79M	147.33M	
40 CFR Part 257, Subpart D, Y/N	N	N	N	
Date of Construction				

Attachment: N/A

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

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

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

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

Attachment: Click to enter text.

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

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

Attachment: N/A

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	29.541667˚	-98.421389˚
002	29.545585˚	-98.427808˚

Outfall Location Description

Outfall No.	Location Description
001	At Outfall 001, where wastewater discharges from Retention Pond 1 and prior to commingling with any other waters.

Outfall No.	Location Description
002	At Outfall 002, after the point where discharge from Retention Pond 2 would combine with the discharge from Pond 3 and prior to commingling with any other waters.

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

Outfall No.	Description of sampling point

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	Report, MGD	Report, MGD	Report, MGD	Report, MGD	
002	Report, MGD	Report, MGD	Report, MGD	Report, MGD	

Outfall Discharge – Method and Measurement

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

Outfall Discharge – Flow Characteristics

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

Outfall Wastestream Contributions

Outfall No. <u>001</u>

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Quality Control Lab Sink	<0.001	0
Wash Stations	< 0.001	0
Cooling Tower Blowdown	0.012	20

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Stormwater Runoff	0.049	80

Outfall No. **002**

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Cooling Tower Blowdown	0.002	1
Air Compressor Condensate	< 0.001	0
Primary Crusher Water Spray and Groundwater	< 0.001	0
Stormwater Runoff	0.350	99

Outfall No. Click to enter text.

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: Chemical Additives

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	5	15,000	25,000
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: Yes, both Outfall 001 and 002 discharge stormwater commingled with other waste streams. Grinding agents, diesel, gasoline, and used oil are stored outside and loading areas are exposed to stormwater. Additionally, stormwater comes into contact with raw materials stored at the Cement Plant facility. Cooling tower blowdown and air compressor condensate are used for dust suppression or are discharged directly to the ground. Soaps are used in the dust suppression water as well (see SDSs in this application). Water used for dust control at the primary crusher and groundwater from the crusher

basement discharges to the ground. Sinks located throughout the facility, which use soap, also discharge to the ground. These ground discharges are subject to combination with stormwater.

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: Click to enter text.

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

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
City of San Antonio Water System POTW	TCEQ Permit WQ-0010137

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

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

☐ Yes ☒ No

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

☐ Yes ☒ No

c. If **yes** to either 8.a **or** 8.b, provide a brief summary of the requirements and a status update: Click to enter text.

Item 9. Toxicity Testing (Instructions, Page 45)

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

☐ Yes ☒ No

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

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. **Attachment:** Click to enter text.

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: N/A

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.

N/A

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

☐ Yes ☒ No

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

N/A

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: _____

WORKSHEET 1.0

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
Cement Manufacturing – Nonleaching Subcategory A	411

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
N/A*			
*Effluent guidelines in 40 CFR 411 are not expressed in terms of production			

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			

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

N/A

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

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

N/A

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

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

Wastewater Generating Processes Subject to Effluent Guidelines

Process	EPA Guideline Part	EPA Guideline Subpart	Date Process/ Construction Commenced
Cement Manufacturing Nonleaching Subcategory	411	A	1965

WORKSHEET 2.0

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): N/A

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:** N/A

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 & 002 **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				
Total residual chlorine				

ANALYTICAL DATA IS NOT AVAILABLE AS A DISCHARGE HAS NOT OCCURRED IN THE PAST 12 MONTHS AND A DISCHARGE OCCURRENCE IS INFREQUENT.

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

Table 2 for Outfall No.: 001 & 002 **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
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

ANALYTICAL DATA IS NOT AVAILABLE AS A DISCHARGE HAS NOT OCCURRED IN THE PAST 12 MONTHS AND A DISCHARGE OCCURRENCE IS INFREQUENT.

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 & 002 **Samples are (check one): ☐ Composite ☐ Grab**

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

ANALYTICAL DATA IS NOT AVAILABLE AS A DISCHARGE HAS NOT OCCURRED IN THE PAST 12 MONTHS AND A DISCHARGE OCCURRENCE IS INFREQUENT.

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

ANALYTICAL DATA IS NOT AVAILABLE AS A DISCHARGE HAS NOT OCCURRED IN THE PAST 12 MONTHS AND A DISCHARGE OCCURRENCE IS INFREQUENT.

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
2,4,5-Trichlorophenol					50
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.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

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

TABLE 5 (Instructions, Page 59)

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

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

☒ N/A

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

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

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

* Indicate units if different from µg/L.

TABLE 6 (Instructions, Page 59)

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

Table 6 for Outfall No.: 001 & 002 **Samples are (check one): ☐ Composite ☐ Grab**

Pollutants	Believed Present	Believed Absent	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)	MAL (µg/L)*
Bromide	☐	☐					400
Color (PCU)	☐	☐					—
Nitrate-Nitrite (as N)	☐	☐					—
Sulfide (as S)	☐						—
Sulfite (as SO3)	☐						—
Surfactants	☐						—
Boron, total	☐	☐					20
Cobalt, total	☐	☐					0.3
Iron, total	☐	☐					7
Magnesium, total	☐	☐					20
Manganese, total	☐	☐					0.5
Molybdenum, total	☐	☐					1
Tin, total	☐	☐					5
Titanium, total	☐	☐					30

ANALYTICAL DATA IS NOT AVAILABLE AS A DISCHARGE HAS NOT OCCURRED IN THE PAST 12 MONTHS AND A DISCHARGE OCCURRENCE IS INFREQUENT.

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 & 002 **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acrolein					50
Acrylonitrile					50
Benzene		NOT APPLICABLE			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
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]					10

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

* Indicate units if different from µg/L.

Table 9 for Outfall No.: 001 & 002 **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
2-Chlorophenol					10
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

NOT APPLICABLE

* Indicate units if different from µg/L.

Table 10 for Outfall No.: 001 & 002 **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene					10
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
Benzo(k)fluoranthene					5
Bis(2-chloroethoxy)methane					10

NOT APPLICABLE

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
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
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
N-Nitrosodi-n-propylamine					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.: 001 & 002 **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05
beta-BHC [beta-Hexachlorocyclohexane]					0.05
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05
delta-BHC [delta-Hexachlorocyclohexane]		NOT APPLICABLE			0.05
Chlordane					0.2
4,4'-DDT					0.02
4,4'-DDE					0.1
4,4'-DDD					0.1
Dieldrin					0.02
Endosulfan I (alpha)					0.01
Endosulfan II (beta)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Endrin aldehyde					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
PCB 1242					0.2
PCB 1254					0.2
PCB 1221					0.2
PCB 1232					0.2
PCB 1248					0.2

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

* Indicate units if different from µg/L.

Attachment: N/A

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

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

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

- ☐ 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel) CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol (TCP) CASRN 95-95-4
- ☐ hexachlorophene (HCP) CASRN 70-30-4
- ☐ None of the above

Description: Click to enter text.

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

- ☐ Yes ☒ No

Description: Click to enter text.

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

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

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

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

TABLE 13 (HAZARDOUS SUBSTANCES)

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

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

☐ Yes ☒ 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.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

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

WORKSHEET 4.0

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: Click to enter text. feet

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

Item 3. Classified Segment (Instructions, Page 80)

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

☐ Yes ☒ No

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

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

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

a. Name of the immediate receiving waters: Tributary to Salado Creek, Segment 1910

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: Salado Creek, Segment 1910

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: The unnamed intermittent tributary joins Salado Creek, Segment 1910, approximately 1 mile downstream.

f. General observations of the water body during normal dry weather conditions: Dry creek bed

Date and time of observation: 8/7/2014; 2:00 p.m.

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
☒ urban runoff
☐ agricultural runoff
☐ septic tanks
☐ upstream discharges
☐ other, specify: Click to enter text.

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

☐ livestock watering
☐ industrial water supply
☒ non-contact recreation
☐ irrigation withdrawal
☐ domestic water supply
☐ navigation
☐ contact recreation
☒ picnic/park activities
☐ fishing
☐ 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

WORKSHEET 7.0

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
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

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: Click to enter text.

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

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

Impervious Surfaces

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

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

Wettest month: Click to enter text.

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

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

Source: Click to enter text.

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

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

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

Item 5. Pollutant Analysis (Instructions, Page 91)

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

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

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

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

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
pH (standard units)	(max)	—	(min)	—		—
Total suspended solids						—
Chemical oxygen demand						—
Total organic carbon						—
Oil and grease						—
Arsenic, total						0.0005
Barium, total						0.003
Cadmium, total						0.001
Chromium, total						0.003
Chromium, trivalent						—
Chromium, hexavalent						0.003
Copper, total						0.002

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)
Lead, total						0.0005
Mercury, total						0.000005
Nickel, total						0.002
Selenium, total						0.005
Silver, total						0.0005
Zinc, total						0.005

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

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

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

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

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

Attachment: Click to enter text.

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

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

Date of storm event: Click to enter text.

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

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

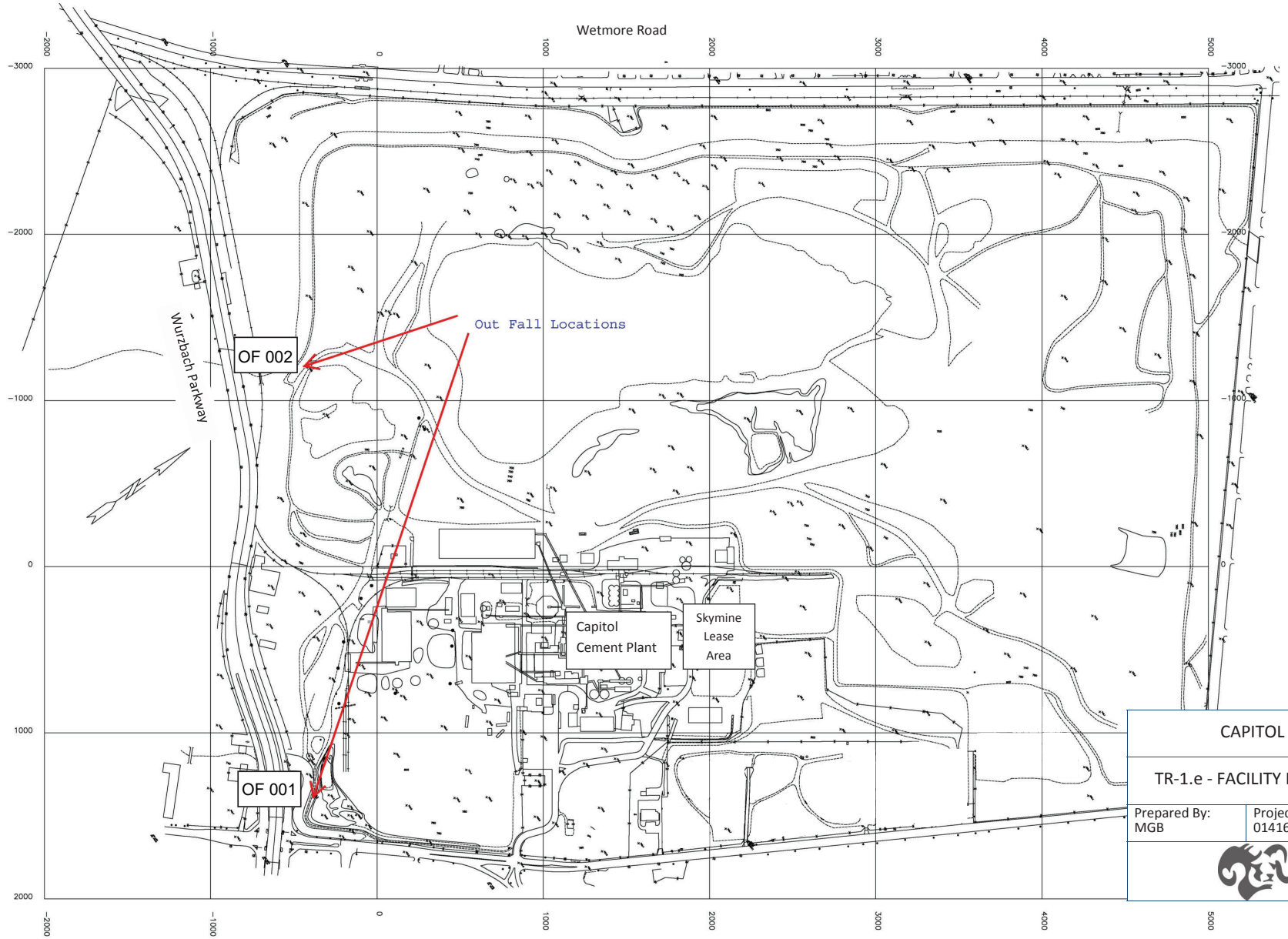
Number of hours the between beginning of the storm measured and the end of the previous measurable storm event (hours): Click to enter text.

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

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

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

ATTACHMENT – SITE DRAWING



CAPITOL AGGREGATES

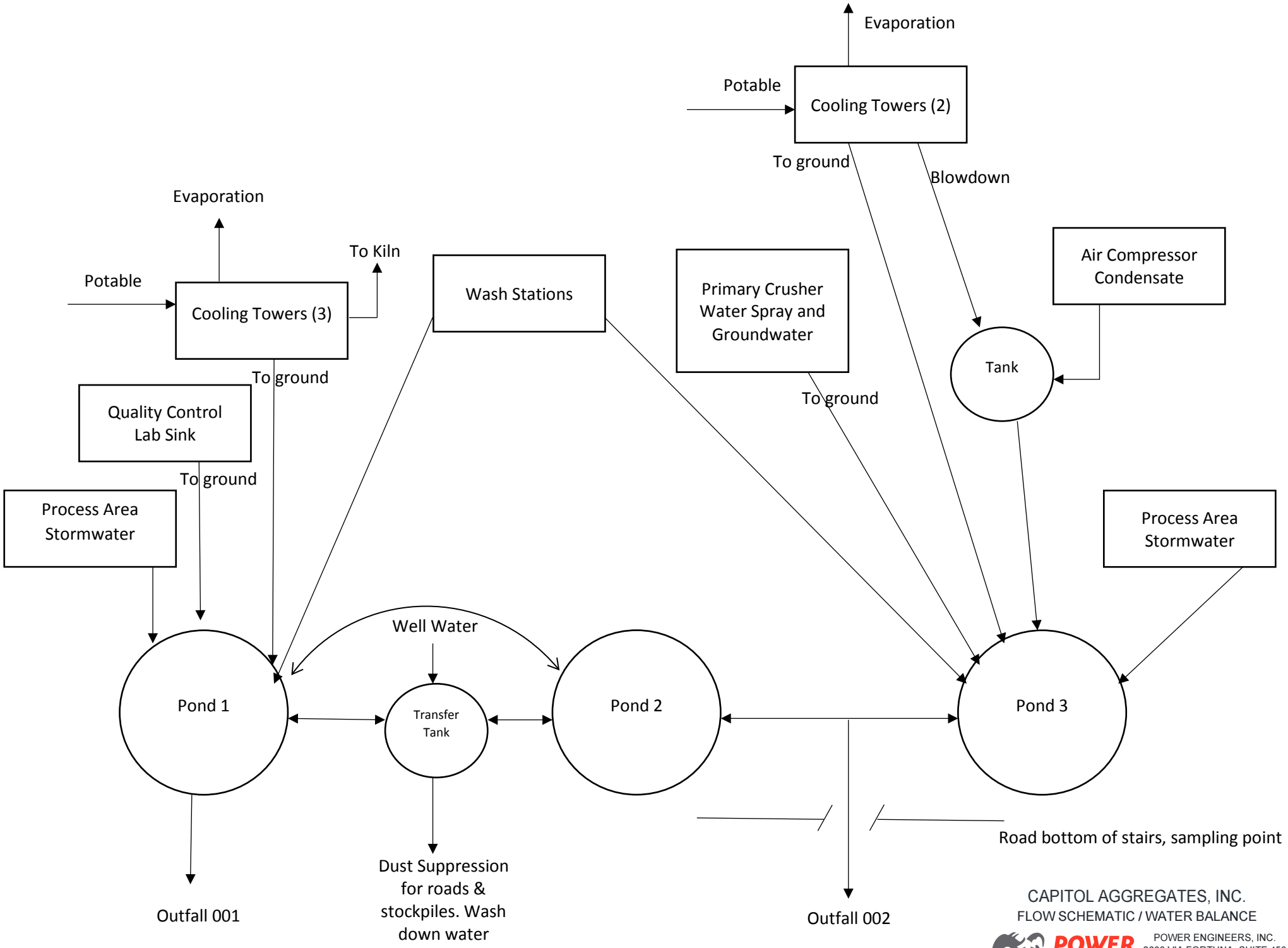
TR-1.e - FACILITY MAP – CAPITOL PLANT

Prepared By:	Project No:	Date:
MGB	014168	08/18/2014

POWER ENGINEERS

Not to scale. Contours and boundary from original Geodetix exhibit provided by Capitol Aggregates, dated October 18, 2008.

ATTACHMENT– WATER BALANCE



CAPITOL AGGREGATES, INC.
FLOW SCHEMATIC / WATER BALANCE

POWER ENGINEERS
POWER ENGINEERS, INC.
2600 VIA FORTUNA, SUITE 450
AUSTIN, TX 78746

ATTACHMENT– CHEMICAL ADDITIVES

ATTACHMENT TR-5.d
SDS Summary

Manufacturer	Manufacturer's Product Identification Number	Product Use	Chemical Composition	CAS Number	Toxicity		Toxicity for whole product or active ingredient(s)?	Persistent, non-persistent, bioaccumlative
					Species and test	LC50, EC50		
BWA	Belcor 575	Corrosion Inhibitor	Hydroxyphosphonoacetic Acid (30-60%) Phosphoric Acid Derivative (1-5%) Phosphorous Acid (1-5%)	Not provided Not provided	Rainbow trout Daphnia magna	LC50 96 hours 380 mg/L EC50 48 hours 140 mg/L	Whole product	Biodegradable
DOW	Acumer 9300	Polymer	Polycarboxylate, sodium salt (44.0 - 46.0% Residual monomers <150ppm Water 54 - 56%	Not hazardous / No required	Rainbow trout Daphnia magna	LC50 96 hours 700 mg/L EC50 48 hours >1000 mg/L	Whole product	Biodegradable
Wincom	Wintrol T-50Na	Corrosion Inhibitor	Sodium tolyltriazole (49.5-51.0 %) Water (49.0-50.5 %)	64665-57-2 7732-18-5	Fish Aquatic invertebrates	LC50 25 ppm LC50 280 ppm	Whole product	Readily biodegradable
Advantis Technologies	Chlorine Tablets	Biocide	Trichloro-S-Triazinetrione (96 - 100%)	87-90-1	Rainbow trout Daphnia magna	LC50 96 hours 0.32 mg/L EC50 48 hours 0.21 mg/L	Whole product	Readily biodegradable
CHEMICO International, Inc.	ChemBase CB-2	Scale-Corrosion Inhibitor	Proprietary Aqueous Blend of Corrosion and Scale Inhibitor	NA	Rainbow Trout	LC50 >100 mg/L	Whole Product	Stable. Soluble in water. Potential to bioaccumulate is unknown.
Telomer Corporation	P40	Corrosion Inhibitor	Aminitir(methylenephosphonic acid) Phosphorous Acid Phosphoric Acid	6419-19-8 10294-56-1 7664-38-2	Bluegill, 96-hr Rainbow trout, 96-hr Daphnia magna, 48-hr	LC50 > 330 mg/L LC50 > 330 mg/L EC50 = 297 mg/L	Whole Product	Chemical decomposition/biodegradability: 17% after 28 days
BioLab	Belclene 640	Corrosion Inhibitor	Aminitir(methylenephosphonic acid) Phosphorous Acid Phosphoric Acid	6419-19-8 10294-56-1 7664-38-2	Bluegill, 96-hr Rainbow trout, 96-hr Daphnia magna, 48-hr	LC50 > 330 mg/L LC50 > 330 mg/L EC50 = 297 mg/L	Whole Product	Chemical decomposition/biodegradability: 17% after 28 days

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

ACUMER™ 9300 POLYMER

Revision date: 11/05/2010

Supplier

ROHM AND HAAS CHEMICALS LLC
A Subsidiary of The Dow Chemical Company
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399 United States

For non-emergency information contact: 215-592-3000

For non-emergency information contact: 215-592-3000
Emergency telephone number
1 800 424 9300
Local emergency telephone number
989-636-4400

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Polycarboxylate, sodium salt	Not Hazardous	44.0 - 46.0%
Residual monomers	Not Required	< 150.0PPM
Water	7732-18-5	54.0 - 56.0%

3. HAZARDS IDENTIFICATION

Emergency Overview
Appearance

Form	liquid
Colour	amber clear
Odour	Mild odor

Hazard Summary	CAUTION! INHALATION OF VAPOR OR MIST CAN CAUSE HEADACHE, NAUSEA AND IRRITATION OF THE NOSE, THROAT AND LUNGS. MAY CAUSE EYE AND SKIN IRRITATION. PROLONGED OR REPEATED OVEREXPOSURE TO DUSTS OR MISTS CAN CAUSE THE FOLLOWING: LUNG IRRITATION

Potential Health Effects
Primary Routes of Entry: Inhalation
Eye contact
Skin contact

Eyes: Direct contact with material can cause the following:
slight irritation
Skin: Prolonged or repeated skin contact can cause the following:
slight irritation
Inhalation: Inhalation of vapor or mist can cause the following:
irritation of nose, throat, and lungs
headache
nausea

Chronic Exposure: Prolonged or repeated overexposure to dusts or mists can cause the following:
Lung irritation

4. FIRST AID MEASURES

Inhalation: Move to fresh air.
Skin contact: Wash with water and soap as a precaution. If skin irritation persists, call a physician.
Eye contact: Rinse with plenty of water. If eye irritation persists, consult a specialist.
Ingestion: Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash point	Noncombustible
Lower explosion limit	Not Applicable
Upper explosion limit	Not Applicable
Thermal decomposition	>230.00 °C

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
Specific hazards during fire fighting: Material can splatter above 100C/212F. Dried product can burn.
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment.
Keep people away from and upwind of spill/leak.
Material can create slippery conditions.

Environmental precautions
CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
Methods for cleaning up
Contain spills immediately with inert materials (e.g., sand, earth).
Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling
Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8, for types of ventilation required.
Storage
Further information on storage conditions: Keep from freezing - product stability may be affected. STIR WELL BEFORE USE.
Storage temperature: 1.00 - 49.00 °C (33.80 - 120.20 °F)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit(s)
Exposure limits are listed below, if they exist.

	Regulation	Type of listing	Value
Product	Rohm and Haas	TWA Respirable fraction.	0.5 mg/m3

Eye protection: Safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.
Hand protection: The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves
Respiratory protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. For dust or mist up to 5 times the exposure limit, wear a properly fitted NIOSH approved (or equivalent) single use N95 filtering facepiece. If oil mist is present, wear a single use R95 or P95 filtering facepiece.
Protective measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.
Engineering measures: Use local exhaust ventilation with a minimum capture velocity of 150 ft/min. (0.75 m/sec.) at the point of dust or mist evolution. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	liquid
Colour	amber clear
Odour	Mild odor
pH	6.5 - 7.5
Boiling point/boiling range	100 °C (212.00 °F) Water
Melting point/range	0 °C (32 °F) Water
Flash point	Noncombustible

Decomposition temperature	>230 °C (446.00 °F)
Lower explosion limit	Not Applicable
Upper explosion limit	Not Applicable
Vapour pressure	17.0 mmHg at 20 °C (68.00 °F) Water
Relative vapour density	<1.0Water
Water solubility	completely soluble
Partition coefficient: n-octanol/water	no data available
Relative density	1.32
Viscosity, dynamic	400.000 - 1,400.000 mPa.s
Evaporation rate	<1.00 Water
Percent volatility	54 - 56 % Water

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable However, avoid temperatures above 230C/446F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.
Materials to avoid	There are no known materials which are incompatible with this product.
Hazardous decomposition products	Thermal decomposition may yield acrylic monomers.,
polymerisation	Product will not undergo polymerization.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 rat > 5,000 mg/kg
Acute dermal toxicity	LD50 rabbit > 5,000 mg/kg
Skin irritation	rabbit slight irritation
Eye irritation	rabbit slight irritation
Sensitisation	guinea pig Not a sensitizer. Not a sensitizer.

Subchronic toxicity	A 13 week inhalation study in rats of a compositionally similar polycarboxylate material showed inflammatory effects in the lung at concentrations of 5 mg/m3 for 6 hours per day, 5 days per week. The no-observed-effect-level for this response was judged to be 1 mg/m3. Maintaining airborne concentrations within the recommended exposure limit is not expected to produce adverse effects within the lung.

Mutagenicity
Ames mutagenicity: Negative

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Bioaccumulation	No applicable data.
Ecotoxicity effects	
Toxicity to fish	LC50 Oncorhynchus mykiss (rainbow trout) 96 h OECD Test Guideline 203 700 mg/l
Toxicity to fish	LC50 Bluegill sunfish (Lepomis macrochirus) 96 h OECD Test Guideline 203 >1,000 mg/l
Toxicity to fish	LC50 Zebra fish (Danio/Brachydanio rerio) 96 h OECD Test Guideline 203 >200 mg/l
Toxicity to algae	EC50 Algae 96 h OECD Test Guideline 201 >180 mg/l
Toxicity to aquatic invertebrates	EC50 Daphnia magna (Water flea) 48 h OECD Test Guideline 202 >1,000 mg/l

13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal

Waste Classification: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated for transport

IMO/IMDG

Not regulated (Not dangerous for transport)

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15. REGULATORY INFORMATION

Workplace Classification

OSHA: This product as supplied is non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). Under processing conditions it may become OSHA hazardous due to the potential for overexposure to dusts or mists.

WHMIS: This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

SARA TITLE III: Section 311/312 Categorizations (40CFR370): This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

SARA TITLE III: Section 313 Information (40CFR372)

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

CERCLA Information (40CFR302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

US. Toxic Substances Control Act (TSCA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Pennsylvania

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

16. OTHER INFORMATION

HMIS Hazard Rating

Health	Fire	Reactivity	Physical Hazard	PPE
1	0	0		

Legend

ACGIH	American Conference of Governmental Industrial Hygienists
BAc	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL):
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
|	Bar denotes a revision from prior MSDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe

handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Version: 1.2
Print Date: 03/28/2012

Layout 000101084160

BioLab Water Additives
A Subsidiary of
Great Lakes Chemical Corporation
Tenax Road Trafford Park
Manchester M17 1WT United Kingdom

Phone +(44) 161 875 3875
Fax +(44) 161 875 3175

Product Information

Belclene® 640 Scale Inhibitor

Ref: b640si.doc
Updated: 10/25/00 11:43

Belclene 640 is an aqueous solution of aminotris-(methylenephosphonic acid), (ATMP, CAS Number 6419-19-8). ATMP is widely used as a sequestering agent and calcium carbonate scale inhibitor for applications in industrial water treatment, industrial cleaning, oil production and textile bleaching. BioLab Water Additives are already a strong player in these markets, and, in response to customer requests, have added ATMP to their product line to provide a single point of contact for polymer and phosphonate products.

The following information should be read in conjunction with the materials safety data sheet on this product.

Typical Physical Properties

Appearance	Clear colourless to pale yellow
% active	48.0-52.0 % w/w
pH	2.0 max
Specific Gravity	1.35

Logistics

Belclene 640 is supplied in blue polyethylene drums containing 250 kg.

Quality Control

BioLab Water Additives is an ISO9000 registered company. All products are subject to rigorous quality control testing before shipment. Certificates of analysis are provided to confirm product quality. Specific test procedures are available on request.

Toxicology data

Acute Oral toxicity (LD50): species rat	>10000 mg/kg
Eye irritation: species rabbit	Irritant
Skin irritation: species rabbit	Irritant

Ecological data

Eliminated from waste water plants by precipitation with ferric and aluminium salts.

Further information may be obtained from your local BioLab Water Additives office or distributor at the address listed overleaf.

Patents

BioLab, Inc. owns or is licensee of patents and patent applications which may cover the products and/or uses described in this brochure.

The following are trademarks of BioLab, Inc.:-

Belclene, BioLab Logo, Waterfront Logo

Registered US Patent and Trademark Office

BioLab Water Additives
Tenax Road, Trafford Park
Manchester
M17 1WT
United Kingdom
Telephone (44) 161 875 3875
Fax (44) 161 875 3175
Telex 666177

BioLab Water Additives
PO Box 1489
Decatur
GA30031-1489
USA
Telephone (1) 404 378 8585/800 600 4523
Fax (1) 404 370 7485

Visit our Website on www.wateradditives.com

Canada Colors and Chemicals Limited

152 Kennedy Road South
Brampton, Ontario
Canada
L6W 3G4

General Inquiry Number: (905) 459-1232

Material Safety Data Sheet Attached

SAFETY DATA SHEET
BELCOR 575

1. IDENTIFICATION

Product Name	BELCOR 575
Chemical Name	Hydroxyphosphonoacetic acid
Product No.	100254, 100255, 100256, 100257, 100258, 100259, 101358
Identification No.	3265
Identified uses	Corrosion inhibitor.
Supplier	BWA Water Additives US LLC 1979 Lakeside Parkway Suite 925, Tucker, GA30084 USA T: +1 800 600 4523 T: +1 678 802 3050 E: msds@wateradditives.com
Emergency Telephone	Chemtrec Phone: 1-800-424-9300

2. HAZARD(S) IDENTIFICATION

Appearance	Liquid
Color	Dark brown.
Odor	Slight odor.

GHS Pictogram

Signal Word Danger

Hazard Statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure.

Contains HYDROXYPHOSPHONOACETIC ACID
PHOSPHOROUS ACID

GHS Classification

Physical and Chemical Hazards	Not classified.
Human health	Acute Tox. 4 - H302;Skin Corr. 1B - H314;Skin Sens. 1 - H317;STOT RE 2 - H373
Environment	Not classified.

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

WHMIS Label

Corrosive Material.

Materials Causing Other Toxic Effects.

BELCOR 575

Controlled Product Classification
Canadian WHMIS Classification E D2B

Human Health
Corrosive to skin and eyes.

Inhalation
May cause irritation to the respiratory system.

Ingestion
May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin Contact
Causes burns. May cause sensitization by skin contact.

Eye Contact
Risk of serious damage to eyes.

Health Warnings
This chemical may cause skin/eye irritation and burns (corrosive).

Medical Symptoms
Eye contact may cause: Visual disturbances, incl. blurred vision. Skin contact may cause: Severe skin irritation.

Other Health Effects
This substance has no evidence of carcinogenic properties.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HYDROXYPHOSPHONOACETIC ACID	30-60%
CAS No.: 23783-26-8	EC No.: 405-710-8
GHS Classification Acute Tox. 4 - H302; Skin Corr. 1B - H314; Skin Sens. 1 - H317; STOT RE 2 - H373	

PHOSPHORIC ACID ...%	1-5%
CAS No.: 7664-38-2	EC No.: 231-633-2
GHS Classification Skin Corr. 1B - H314	

PHOSPHOROUS ACID	1-5%
CAS No.: 10294-56-1	EC No.: 237-066-7
GHS Classification Acute Tox. 4 - H302; Skin Corr. 1A - H314	

Composition Comments
50% solution of hydroxyphosphono acetic acid in water

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation
Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

Ingestion
DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Never give liquid to an unconscious person. Get medical attention if any discomfort continues.

Skin Contact
Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Eye Contact
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

Most important symptoms and effects, both acute and delayed

Inhalation
Severe irritation in nose and throat.
Ingestion
May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.
Skin Contact
May cause serious chemical burns to the skin. Mild dermatitis, allergic skin rash.
Eye Contact
May cause blurred vision and serious eye damage. Profuse watering of the eyes.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician
Treat Symptomatically.

5. FIRE-FIGHTING MEASURES

Flammability Class
No Uniform Fire Code noted.
Auto Ignition Temperature (°C)
Not available.
Flammability Limit - Lower(%)
Not applicable.
Flammability Limit - Upper(%)
Not applicable.
Flash point (°C)
Not available.
Extinguishing Media
Use: Water spray, fog or mist. Foam, carbon dioxide or dry powder.
Unusual Fire & Explosion Hazards
Fire causes formation of toxic gases.
Specific Hazards
Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Oxides of: Phosphorus.
Special Fire Fighting Procedures
Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.
Protective Equipment For Fire-Fighters
Leave danger zone immediately. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Follow precautions for safe handling described in this material safety data sheet. For personal protection, see section 8.
Environmental Precautions
Avoid release to the environment. To prevent release, place container with damaged side up. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.
Spill Clean Up Methods
Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.
Reference to other sections
For waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling
Avoid spilling, skin and eye contact. Observe good chemical hygiene practices. Contaminated clothing and shoes must be discarded.

BELCOR 575

Storage
Store in tightly closed original container in a dry and cool place. Store at temperature below 50°C. Do not store for extended periods below freezing point or in direct sunlight. IF FROZEN: once fully thawed, agitate container vigorously to ensure the product is homogeneous. Store separated from: Alkalis. Cyanides. Reducing Agents. Do NOT use container made of: Carbon steel.

Storage Class
Corrosive storage.

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
PHOSPHORIC ACID ...%	OSHA		1 mg/m3			
PHOSPHORIC ACID ...%	ACGIH		1 mg/m3		3 mg/m3	

COMPONENT	IDLH
PHOSPHORIC ACID ...%	1000 mg/m3

ACGIH=American Conference of Governmental Industrial Hygienists.

Protective Equipment

Process Conditions
Provide eyewash, quick drench.

Engineering Measures
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory Equipment
No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit

Hand Protection
Selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye Protection
Wear approved safety goggles. Use face shield in case of splash risk.

Other Protection
Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene Measures
No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

Skin Protection
Wear apron or protective clothing in case of contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Dark brown.
Odor	Slight odor.
Solubility	Miscible with water
Initial boiling point and boiling range (°C)	101 - 103 @ 760 mm Hg
Melting point (°C)	<-5
Relative density	1.394 - 1.445 @ 20 °C

Vapor density (air=1)
Not available.
Vapor pressure
Not available.

pH-Value, Conc. Solution	<2
pH-Value, Diluted Solution	~1.5 @ 1%
Viscosity	max 75 cP @ 25 °C
Decomposition temperature (°C)	>160

Odour Threshold, Lower
Not available.
Odour Threshold, Upper
Not available.
Flash point (°C)
Not available.
Auto Ignition Temperature (°C)
Not available.
Flammability Limit - Lower(%)
Not applicable.
Flammability Limit - Upper(%)
Not applicable.

Partition Coefficient (N-Octanol/Water)	log Pow < 0

Explosive properties
Not applicable.
Oxidising properties
Does not meet the criteria for oxidising.
Not available.

10. STABILITY AND REACTIVITY

Reactivity
Reacts with alkalis and generates heat.
Stability
Stable under normal temperature conditions and recommended use.
Hazardous Polymerisation
Will not polymerise.
Conditions To Avoid
Avoid excessive heat for prolonged periods of time.
Materials To Avoid
Strong alkalis. Strong reducing agents.
Hazardous Decomposition Products
Toxic gases/vapors/fumes of: Carbon dioxide (CO_2). Carbon monoxide (CO). Oxides of: Phosphorus.

11. TOXICOLOGICAL INFORMATION

Other Health Effects
This substance has no evidence of carcinogenic properties.

Acute toxicity:
Acute Toxicity (Oral LD50)
2754 mg/kg Rat

12. ECOLOGICAL INFORMATION

Acute Toxicity - Fish
LC50 96 hours 380 mg/l Onchorhynchus mykiss (Rainbow trout)
LC50 96 hours > 820 mg/l Brachydanio rerio (Zebra Fish)
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 140 mg/l Daphnia magna

BELCOR 575

Acute Toxicity - Aquatic Plants
IC50 72 hours 30 mg/l Freshwater algae

Degradability
The product is expected to be biodegradable.

Biodegradation
Degradation (93%)
Water Degradation (93%) 28 days

Bioaccumulative potential
The product does not contain any substances expected to be bio-accumulating.

Partition coefficient
log Pow < 0

Mobility:
The product is miscible with water. May spread in water systems.

Results of PBT and vPvB assessment
Not Classified as PBT/vPvB by current EU criteria.

Other adverse effects
Not available.

13. DISPOSAL CONSIDERATIONS

Waste Management
When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Disposal Methods
Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.
Liquid material should be incinerated. Material absorbed onto sand or earth should be disposed of as solid waste in accordance with local regulations. Empty packaging may contain product residues and due consideration should be given prior to disposal.

14. TRANSPORT INFORMATION

UN No. (DOT/TDG)	3265
UN No. (IMDG)	3265
UN No. (ICAO)	3265
DOT Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Contains hydroxyphosphonoacetic acid)
TDG Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Contains hydroxyphosphonoacetic acid)

DOT Hazard Class
8

DOT Hazard Label
Corrosive

IMDG Class	8
ICAO Class	8

Transport Labels

DOT Pack Group	II
IMDG Pack Group	II
Air Pack Group	II

Environmentally Hazardous Substance/Marine Pollutant
No.

IMDG Code Segregation Group	1. Acids.
EMS	F-A, S-B
Classification Code (Adr)	C3

15. REGULATORY INFORMATION

Regulatory Status (US)
SARA Title III Section 313. TSCA: The ingredients of this product are on the TSCA Inventory. PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required. This Product is Hazardous under the OSHA Hazard Communication Standard.

Regulatory References
29 CFR 1910.1010 Federal Regulations (OSHA Standard).

US Federal Regulations

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The following ingredients are listed.
PHOSPHORIC ACID 3%; 5, 000 lbs (2270 Kg)

SARA 313 Emission Reporting
The following ingredients are listed.
PHOSPHORIC ACID 3%

CAA Accidental Release Prevention
None of the ingredients are listed.

SARA (311/312) Hazard Categories
Acute

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
None of the ingredients are listed.

Massachusetts "Right To Know" List
The following ingredients are listed.
PHOSPHORIC ACID 3%

Rhode Island "Right To Know" List
The following ingredients are listed.
PHOSPHORIC ACID 3%

Minnesota "Right To Know" List
The following ingredients are listed.
PHOSPHORIC ACID 3%

New Jersey "Right To Know" List
The following ingredients are listed.
PHOSPHORIC ACID 3%
PHOSPHOROUS ACID

Pennsylvania "Right To Know" List
The following ingredients are listed.
PHOSPHORIC ACID 3%

International Inventories

EU - EINECS/ELINCS
All ingredients are listed or exempt.

Canada – DSL/NDSL
All ingredients are listed or exempt.

US - TSCA
All ingredients are listed or exempt.

US – TSCA 12(b) Export Notification
None of the ingredients are listed.

Australia - AICS
All ingredients are listed or exempt.

Japan – MITI
All ingredients are listed or exempt.

BELCOR 575

Korea - KECI
All ingredients are listed or exempt.

China - IECSC
All ingredients are listed or exempt.

Phillippines – PICCS
All ingredients are listed or exempt.

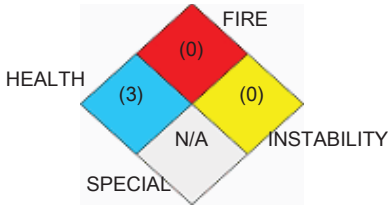
New Zealand - NZIOC
The following ingredients are listed.
HYDROXYPHOSPHONOACETIC ACID

16. OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH	3
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	C

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



General Information
For advice on chemical emergencies, spillages, fires or first aid in relation to this product please contact the relevant emergency number below :
EU/English Speakers - +44 (0) 1235 239 670 (NCEC)
Arabic Speakers - +44 (0) 1235 239 671
Asia/Pacific countries - +65 3158 1074
For emergencies within China - +86 10 5100 3039

Revision Comments
Conversion to GHS (HCS 2012 / WHMIS 2015)

Issued By BWA Water Additives Regulatory Group, +44(0)1618646699
Revision Date 3rd March, 2015
Revision 7
Sds No. 10460

Disclaimer

For safety reasons it is IMPERATIVE that customers:-

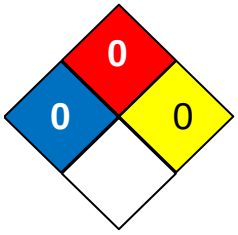
1. Ensure that all those within their control who use the products are supplied with all relevant information contained within the Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions and warnings contained therein.

2. Consult BWA Water Additives before using or supplying the product for any other applications. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

ChemBase CB-2 Material Safety Data Sheet

Read and understand this entire MSDS, as there is important information throughout the document. Follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

Health	0
Fire	0
Reactivity	0
Personal Protection	C



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ChemBase CB-2
Product Description: Corrosion Inhibitor Base

Company Information:
CHEMICO INTERNATIONAL, INC.
19407 PARK ROW, SUITE 218
HOUSTON, TX 77084

Emergency Number:
1-800-255-3924

Non-emergency Number:
281-599-3337

Revision Date: September 18, 2008

2. COMPOSITION OF INGREDIENTS

Components: This product is a proprietary Aqueous Blend of Corrosion and Scale Inhibitors. There are no substances in this product listed in SARA III, Section 313, Toxic Chemicals. These chemicals are not considered to be carcinogenic by NTP, IRAC, or OSHA.

3. HAZARD INDENTIFICATION

EMERGENCY OVERVIEW

Not considered as hazardous.
Clear Liquid Slight Odor

POTENTIAL HEALTH EFFECTS

EYES: Irritant, causes eye irritation. Tearing, redness, pain, and impaired vision are symptoms.
SKIN: Irritant. Soreness, redness, and irritation of skin may result.

4. FIRST AID MEASURES

Emergency First Aid Procedures: Flush eyes for 15 minutes.
Wash skin thoroughly with soap and water.

EYES: Immediately irrigate eyes with plenty of water for at least 15 minutes, holding eyelids apart. Obtain immediate medical attention.
SKIN: Wash skin with soap and water. If symptoms develop, obtain medical attention.
INHALATION: Remove to fresh air. Get medical attention if irritation persists.
INGESTION: Treat symptomatically and supportively. DO NOT give anything my mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Autoignition: Not available
Flash Point: Not applicable
Lower Flame Limit: Not applicable
Upper Flame Limit: Not applicable
Extinguish Media: Not applicable
Fire & Explosion Hazards: Non-combustible
Special Firefighting Procedures: No special procedures are required
Hazardous Combustion Products: No hazardous decomposition products known
Unusual Fire Hazard: Decomposition and combustion products may be toxic

6. ACCIDENTAL RELEASE MEASURES

For Spills: Absorb onto sand or other absorbent material. Shovel into closeable containers for disposal. Thoroughly flush residue with water.

For Spills: Absorb onto sand or other absorbent material. Shovel into closeable containers for disposal. Thoroughly flush residue with water. Dispose in a manner consistant with local, state and federal regulations.
Waste Disposal Method: Incinerate or dispose of in closed containers at a suitable disposal site. This product is not specifically listed in RCRA lists of hazardous wastes.

7. HANDLING AND STORAGE

Handling and Storage: No unusual handling or storage precautions are required.

8. EXPOSURE CONTROLS – PERSONAL PROTECTION

Respiratory Protection: None required for normal conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.
Ventilation: Normal for work place.
Mechanical Exhaust: Recommended
Local Exhaust: Acceptable
Protective Gloves: Impervious gloves are recommended
Eye Protection: Chemical goggles
Other Protective Equipment: Apron
Wash Requirements Wash before eating, drinking or using the toilet facilities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	212º F	**Freeze Point:**	29º F
Vapor Pressure:	17.5 mm Hg.	**Vapor Density:**	Water
Volatility/Vol. %:	Not determined	**Sol. in Water:**	Complete
Appearance:	Clear Liquid	**Odor:**	Slight Garlic
Specific Gravity:	1.16	**pH:**	5.5

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Incompatibility: Strong oxidizing agents
Conditions to Avoid: Protect from temperature below 40F
Decomposition Products: Carbon dioxide, Carbon monoxide, Phosphoric acid, and Nitrogen oxides.
Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Route of entry Eye Contact, Skin Contact
There is no evidence that this product poses a carcinogenic risk under normal conditions of handling and use
Effects of Acute Exposure Unlikely to cause harmful effects under normal conditions of handling and use
Target organs N/A
Oral Toxicity Oral LD50: Rat > 5 ml/kg Ingestion may cause irritation of the gastrointestinal tract.

12. ECOLOGICAL INFORMATION

Mobility This product is soluble in water.
Potential to bioaccumulate Unknown
Aquatic Toxicity Aquatic LC50 Rainbow Trout >100 mg/l

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Incinerate or dispose of in closed containers at a suitable disposal site. This product is not listed in RCRA lists of hazardous wastes. Shovel into closeable containers for disposal. Thoroughly flush residue with water. (DISPOSE OF CONTAINER AND UNUSED QUANTITIES IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS)

14. TRANSPORT INFORMATION

Shipping Information:	DOT/IMO		
Proper Shipping Name:	Scale Preventing Compound		
Hazard Class:	N/A		
DOT/IMO:	Class: 55	Sub 2	NMFC #50093
	Corrosion Inhibitor		
Shipping Containers:	Drums		

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

Components: This product is a proprietary Aqueous Blend of Corrosion and Scale Inhibitors.
There are no substances in this product listed in SARA III, Section 313, Toxic Chemicals. These chemicals are not considered to be carcinogenic by NTP, IRAC, or OSHA.

16. OTHER INFORMATION

NFPA Ratings:

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

Trade Name: CB-2 ChemBase

Signal Word: Caution
Statement of Hazard: Causes irritation
DOT Label Required: None

Prepared by: Sam R. Owens **Date:** June 01, 2005

This product's health and safety information is provided to assist our customers in assessing compliance with Health, Safety and Environmental regulations. The information contained herein is based on data available to us, and is believed to be accurate, although no guarantee or warranty is provided or implied by the company in this respect. Since the use of this product is within the exclusive control of the user, it is the user's responsibility to determine the conditions of safe use. Such conditions must comply with all governmental regulations.

SAFETY DATA SHEET

FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL:	1-800-654-6911 (OUTSIDE USA: 1-423-780-2970)
FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®:	1-800-424-9300 (OUTSIDE USA: 1-703-527-3887)
FOR ALL SDS QUESTIONS & REQUESTS, CALL:	1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347)

PRODUCT NAME: **"GLB LARGE 3"" TABLETS"**

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Supplier
GLB
1400 Bluegrass Lakes Parkway ,
Alpharetta, GA, 30004
USA

Telephone: +17705215999
Telefax: +17705215959
Web: www.poolspacare.com

Manufacturer
Advantis Technologies
1200 Bluegrass Lakes Parkway
Alpharetta, GA 30004
United States of America

REVISION DATE:	05/26/2015
SUPERCEDES:	12/02/2010
MSDS Number:	000000024532
SYNONYMS:	Trichloroisocyanuric Acid, TCCA, Trichlor
CHEMICAL FAMILY:	None
DESCRIPTION / USE	None established
FORMULA:	None established

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Oxidizing solids	:	Category 2
Acute toxicity (Oral)	:	Category 4
Skin corrosion	:	Category 1B
Serious eye damage	:	Category 1
Specific target organ toxicity - single exposure	:	Category 3

GHS Label element

Hazard pictograms :

Signal word : Danger

Hazard statements :
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary statements :

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220 Keep/Store away from clothing/ combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P260 Do not breathe vapours.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.
P321 Specific treatment (see supplemental first aid instructions on this label).
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:
P501 Dispose of contents/container in accordance with local regulation.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS OR CHEMICAL NAME	CAS #	% RANGE
TRICHLORO-S-TRIAZINETRIONE	87-90-1	96 - 100

SECTION 4. FIRST AID MEASURES

General Advice: Call a poison control center or doctor for treatment advice. For 24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Inhalation: IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Skin Contact: IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Eye Contact: IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Ingestion: IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Notes to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA): Product is not known to be flammable, combustible or pyrophoric., NFPA Oxidizer Class: Meets the criteria of an NFPA Class 1 Oxidizer

Flammable Properties

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Fire / Explosion Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat.

Extinguishing Media: Water only.

Fire Fighting Instructions:	Use water to cool containers exposed to fire. On small fires, use water spray or fog. On large fires, use heavy deluge or fog streams. Flooding amounts of water may be required before extinguishment can be accomplished. Do not use dry extinguishers containing ammonium compounds.
Upper Flammable / Explosive Limit, % in air:	Not applicable
Lower Flammable / Explosive Limit, % in air:	Not applicable

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations:	Response to a large quantity spill (100 pounds or greater) or when dusting or decomposition gas exposure could occur requires the use of a positive pressure full face supplied air repirator or self contained breathing apparatus (SCBA), chemical resistant gloves, coveralls and boots. In case of fire, this personal protective equipment should be used in addition to normal fire fighter equipment.Compatible materials for response to this material are: neoprene.Protection concerns must also address the following: If this material becomes damp/wet or contaminated in a container, the formation of nitrogen trichloride gas may occur and an explosive condition may exist.
Spill Mitigation Procedures	
Air Release:	Vapors may be suppressed by the use of water fog.
Water Release:	This material is heavier than water.This material is soluble in water.Stop water flow or divert water flow around spill if possible and safe to do so.Begin monitoring for available chlorine and pH immediately.
Land Release:	Do not contaminate spill material with any organic materials, ammonia, ammonium salts or urea. Clean up all spill material with clean, dry dedicated equipment and place in a clean dry container.
Additional Spill Information :	FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC: 1-800-424-9300 REPORTABLE QUANTITY: Not Applicable (Per 40 CFR 302.4) Hazardous concentrations in air may be found in local spill area and immediately downwind. If spill material is still dry, do not put water directly on this product as a gas evolution may occur. If material is wet, contact 1-800-654-6911 for proper stabilization procedures. Dispose of spill residues per guidelines under Section 13, Disposal Consideration. This material may be neutralized for disposal; you are requested to contact Arch Chemicals at 1-800-654-6911 before beginning any such procedure.

SECTION 7. HANDLING AND STORAGE

Handling:	Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Avoid breathing dust, mist, vapor or gas.

Storage:	Store in a cool dry ventilated location, away from sources of ignition or other incompatible conditions and chemicals. Keep container(s) closed. Avoid creating dusts.
Shelf Life Limitations:	Indefinite. Available chlorine loss can be as little as 0.1% per year at ambient temperatures.
Incompatible Materials for Storage:	Organic materials, Reducing agents, nitrogen containing materials, oxidizers, Acids, Bases, (Incompatible materials for packaging: paper, cardboard)
Do Not Store At temperatures Above:	60 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

Protective Equipment for Routine Use of Product

Respiratory Protection :	Wear a NIOSH approved respirator if levels above the exposure limits are possible., A NIOSH approved full-face air purifying respirator equipped with combination chlorine/P100 cartridges. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.
Skin Protection :	Wear impervious gloves to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body.
Eye Protection:	Use chemical goggles.
Protective Clothing Type:	Nitrile, Natural rubber, Neoprene (This includes: gloves, boots, apron, protective suit)
General Protective Measures:	An eye wash and safety shower should be provided in the immediate work area.

Components with workplace control parameters

no data available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	solid
Form	Tablet
Color:	white
Odor:	Sharp, chlorine-like, bleach odor
Molecular Weight:	232.41 g/mol
pH :	2.7 - 3.2 () 1 g/l (as aqueous solution)
Boiling Point:	Not applicable
Melting point/freezing point	Not applicable
Density	1.6 - 1.9 g/cm3

Bulk Density:	1,160 - 1,900 kg/m3 ()
Vapor Pressure:	no data available
Vapor Density:	Not applicable
Viscosity:	no data available
Solubility in Water:	12 g/l 77 °F (25 °C)
Partition coefficient n-octanol/water:	Not applicable
Evaporation Rate:	Not applicable
Oxidizing:	None established
Volatiles, % by vol.:	Not applicable
VOC Content	Not applicable This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.
HAP Content	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Conditions to Avoid:	Sparks, open flame, other ignition sources, and elevated temperatures., Contact with small amounts of water may result in an exothermic reaction with the liberation of toxic fumes., Damp or slightly wet product (will evolve nitrogen trichloride), May be unstable at temperatures above 225 Deg. C (437 Deg. F)
Chemical Incompatibility:	organic materials, Oils, Grease, Sawdust, Reducing agents, nitrogen-containing compounds, oxidizers, acids, Bases, Dry fire extinguishers containing ammonium compounds
Hazardous Decomposition Products:	Nitrogen trichloride, Chlorine, nitrous oxides, cyanates, Carbon monoxide, Carbon dioxide
Decomposition Temperature:	225 °C

SECTION 11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology
Oral LD50 value:

TRICHLORO-S-TRIAZINETRIONE	LD50	=	490 mg/kg	Rat

Component Animal Toxicology
Dermal LD50 value:

TRICHLORO-S-TRIAZINETRIONE	LD50	>	2,000 mg/kg	Rabbit

Component Animal Toxicology
Inhalation LC50 value:

TRICHLORO-S-TRIAZINETRIONE	LC50 4 h (aerosol dust), (Nose Only)	Approximately	0.54 mg/l Rat
	LC50 1 h (aerosol dust), (Nose Only)	Approximately	2.16 mg/l Rat

Product Animal Toxicity

Oral LD50 value: LD50 = 490 mg/kg Rat

Dermal LD50 value: LD50 > 2,000 mg/kg Rabbit

Inhalation LC50 value: LC50 4 h (aerosol dust), (Nose Only) Approximately 0.54 mg/l Rat LC50 1 h (aerosol dust), (Nose Only) Approximately 2.16 mg/l Rat

Skin Irritation: DRY MATERIAL CAUSES MODERATE SKIN IRRITATION., WET MATERIAL CAUSES SKIN BURNS.

Eye Irritation: Corrosive to eyes.

Skin Sensitization: Negative skin sensitizer, guinea pig - Buehler Method

Acute Toxicity: This product is corrosive to all tissues contacted and upon inhalation, may cause irritation to mucous membranes and respiratory tract.The dry material is irritating to the skin. However when wet, it will produce burns to the skin.

Subchronic / Chronic Toxicity: There are no known or reported effects from repeated exposure., Toxicological investigation indicates it does not produce significant effects from chronic exposure.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

TRICHLORO-S-TRIAZINETRIONE	Not known or reported to cause reproductive or developmental toxicity. A similar product has been tested and it did not produce teratogenic or fetotoxic effects in laboratory animals.

Mutagenicity: This product was determined to be non-mutagenic in the Ames assay.

TRICHLORO-S-TRIAZINETRIONE	This product was determined to be non-mutagenic in the Ames assay.

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

TRICHLORO-S-TRIAZINETRIONE	This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

SECTION 12. ECOLOGICAL INFORMATION

Overview: Highly toxic to fish and other aquatic organisms.

Ecological Toxicity Values - Product:

Rainbow trout (Salmo gairdneri),	-	96 h LC50 0.32 mg/l
Bluegill sunfish	-	96 h LC50 0.30 mg/l
Daphnia magna,	-	48 h LC50 0.21 mg/l
Mallard duck	-	8 d Dietary LC50 > 10,000 ppm
Mallard duck	-	Acute Oral LD50 1,600 mg/kg

Bobwhite quail	-	8 d Dietary LC50 7,422 ppm

Ecological Toxicity Values for: TRICHLORO-S-TRIAZINETRIONE

Rainbow trout (Salmo gairdneri),	-	96 h LC50 0.32 mg/l
Bluegill sunfish	-	96 h LC50 0.30 mg/l
Daphnia magna,	-	48 h LC50 0.21 mg/l
Mallard duck	-	8 d Dietary LC50 > 10,000 ppm
Mallard duck	-	Acute Oral LD50 1,600 mg/kg
Bobwhite quail	-	8 d Dietary LC50 7,422 ppm

SECTION 13. DISPOSAL CONSIDERATIONS

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

Waste Disposal Summary :	If this product becomes a waste, it meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D001.If this product becomes a waste, it will be a hazardous waste which is subject to the Land Disposal restrictions under 40 CFR 268 and must be managed accordingly.
Disposal Methods :	As a hazardous solid waste, it must be disposed of in accordance with local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION

DOT

UN number	:	2468
Description of the goods	:	Trichloroisocyanuric acid, dry
Class	:	5.1
Packing group	:	II
Labels	:	5.1
Emergency Response Guidebook Number	:	140

TDG

UN number	:	2468
Description of the goods	:	TRICHLOROISOCYANURIC ACID, DRY
Class	:	5.1
Packing group	:	II
Labels	:	5.1

IATA

UN number	:	2468
Description of the goods	:	Trichloroisocyanuric acid, dry
Class	:	5.1
Packing group	:	II
Labels	:	5.1
Packing instruction (cargo aircraft)	:	562
Packing instruction (passenger aircraft)	:	558
Packing instruction (passenger aircraft)	:	Y544

IMDG-CODE

UN number	:	2468
Description of the goods	:	TRICHLOROISOCYANURIC ACID, DRY
Class	:	5.1
Packing group	:	II
Labels	:	5.1
EmS Number 1	:	F-A
EmS Number 2	:	S-Q

Marine pollutant : yes

SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

Signal word	:	DANGER!
Hazard statements	:	Harmful if swallowed. May be fatal if absorbed through skin. May be fatal if inhaled. Corrosive. Causes skin burns. Corrosive. Causes irreversible eye damage. This pesticide is toxic to fish.

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

trichloroisocyanuric acid	87-90-1

Pennsylvania Right To Know

trichloroisocyanuric acid	87-90-1

New Jersey Right To Know

trichloroisocyanuric acid	87-90-1

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA : This is an EPA registered pesticide.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

SECTIONS REVISED: 15
Major References : Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT. .

TELOMER
CORPORATION

2470 GRAY FALLS DR, SUITE 250, HOUSTON, TX 77077
PHONE (281) 497-2692 ♦ FAX (713) 626-2675

SAFETY DATA SHEET (GHS)

P 40

I. PRODUCT AND COMPANY IDENTIFICATION

Updated Jan 13, 2014

GHS Product Identifier	Aminotri(methylenephosphonic acid)
Synonyms	ATMP
Recommended Use	Corrosion inhibitor
Company Name	TELOMER CORPORATION 2470 GRAY FALLS DR. SUITE 250 HOUSTON, TX 77077
Phone Number	(281) 497-2692
Emergency 24 Hr Availability	**C**hem Tel - (800) 255-3924

II. HAZARD IDENTIFICATION

This product is a [Mixture or Substance]

EYES: Corrosive. Causes eye burns and permanent tissue damage
SKIN: Causes skin irritation.
INGESTION: Corrosive to mouth, esophagus and stomach.
INHALATION: Mist may be severely irritating to nose, throat and lungs.

CANCER STATEMENT: This product, or any component at a concentration of 0.1% or greater, is not listed by the NTP, IARC, OSHA, or EPA as a carcinogen.

III. COMPOSITION

CAS Number	Name	Content (% W/W)
6419-19-8	Aminitri(methylenephosphonic acid)	
10294-56-1	Phosphorous Acid	
7664-38-2	Phosphoric Acid	

IV. FIRST AID MEASURES

Threshold Limit Value: OSHA PEL and ACGIH TLV

Phsophoric Acid TWA 1mg/mm3 STEL 3mg/m3

Health Hazard: Corrosive to eyes. May cause skin irritation. Corrosive to mouth, esophagus and stomach. Mist may be severely irritating to nose, throat and lungs.
Emergency First Aid Procedures: Flush eyes for 15 minutes. Consult physician immediately. Wash skin thoroughly with soap and water. Consult physician immediately.
Ingestion: Do not induce vomiting. Rinse out mouth with water. Dilute internally by drinking one or two glasses of water. Consult physical immediately.

V. FIRE FIGHTING MEASURES

Flash Point: Nonflammable – aqueous solution.
Flammability: Non combustable. Product is a water solution.
Auto-Ignition: Not applicable
Extinguishing: Non combustable.
Explosion Hazard: None
Fire Fighting Procedures: Use self-contained breathing apparatus and full protective gear.
Sensitivity to Static Discharge: None
Sensitivity to Impact: None

VI. ACCIDENTAL RELEASE MEASURES

Isolate area. Wear prescribed protective clothing and equipment. Warn occupants and downstream/downwind areas of corrosive release hazard and request all to stay clear. Dike to confine spill. Absorb with an absorbent. Shovel waste into an approved container and dispose of following local, state and federal regulations.

VII. HANDLING AND STORAGE

Handling: Use chemical goggles and impervious gloves and aprons. Wear mist respiratory protection when mist is expected.
Storage: Keep container tightly closed when not in use. Store in well-ventilated area. Protect from excessive heat and physical damage. Corrosive to most metals, including carbon steel, aluminum/aluminum alloys and copper/copper alloys.
Ventilation: General room ventilation or local exhaust equipment.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	None required for normal conditions
Ventilation:	Normal for work place
Mechanical Exhaust:	Recommended
Local Exhaust:	Acceptable
Protective Gloves:	Impervious gloves made of neoprene, nitrile, polyethylene orPVC
Eye Protection:	Chemical goggles and face shield.
Other Protective Equipment:	Chemicals resistant clothing to prevent skin contact. Safety shower and eyewash station are necessary in area of use.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	226º F	**Freeze Point:**	<10ºF
Vapor Pressure:	n/d	**Vapor Density:**	NA
Volatility/Vol. %:	50 (water)	**Sol. in Water:**	Miscible
Appearance:	Clear	**Odor:**	Odorless
Specific Gravity:	1.32-1.33	**pH:**	<2 (1% in DI water)

X. STABILITY AND REACTIVITY

Condition to Avoid: Contact with common metals produces flammable hydrogen gas. Excessive heat for prolonged periods of time.
Stability: Stable under normal conditions and recommended use.
Polymerization: Will not occur.
Hazardous Decomposition: Thermal decomposition and burning may produce phosphines, carbon monoxide, carbon dioxide and oxides of nitogen.
Incompatibles: Strong Alkalis. Strong oxidizing agents. Avoid contact with metal salts of sulfides and sulfites which could release toxic gases.

XI. TOXICOLOGICAL INFORMATION

Chemicals: LD-50 >2g/kg (oral rat)
LD-50 >6g/kg (dermal rabbit)
IARC: None listed
NTP: None listed
OSHA: None listed

XII. ECOLOGICAL INFORMATION

Study results on material similar to that represented by this MSDS are as follows:
Ecological:
96 Hr LC50 Bluegill > 330 mg/l BOD5 = 150,000 mg/l
96 Hr LC50 Rainbow Trout > 330 mg/l COD = 553,000 mg/l
48 Hr EC50 Daphnia Magna = 297 mg/l
Chemical Decomposition/Biodegradability: 17% after 28 days by Zahn-Wellens(OECD 3026)

XIII. DISPOSAL CONSIDERATIONS

Open dumping or burning of this material is prohibited. Discarded product, as sold, would be considered a RCRA Characteristic Hazardous Waste as it meets the definition/characteristic of corrosivity(designated as D002). This material must be disposed of in accordance with local, state and federal regulations. The appropriate regulatory agencies should be contacted prior to disposal.

XIV. TRANSPORT INFORMATION

DOT:

Shipping Name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Proper Shipping Name:	(CONTAINS AMINOTRI(METHYLENEPHOSPHONIC ACID)
Classification Code:	C3
UN No.	3265
Tunnel restriction	(E)
DOT Hazard Class	8
DOT Packing Group	II
U.S.DOT Hazard Label	Corrosive

XV. REGULATORY INFORMATION

US TSCA Inventory
- All components listed on inventory or are exempt.

EPA SARA Title III Extremely Hazardous Substances
- Acute, Health, Reactive

EPA SARA (311,312) Hazard Class
- Acute, Health, Reactive

EPA SARA (313) Chemicals This product contains toxic chemical(s) listed below which is/are subject to the reporting requirements of Section 313 of Title III of SARA and 40 CFR Part 372:
- None

EPA CERCLA/Superfund Reportable Spill Quantity
- If this product is accidently spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act(CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

Canadian DSL Inventory
- All components are listed

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

XVI. OTHER INFORMATION

HMIS RATING:	Health	3
	Flammability	0
	Physical Hazard	3
	Personal Protection	D
NFPA RATING:	Health	3
	Flammability	0
	Reactivity	1
	Special	None

Key:
4 Severe
3 Serious
2 Moderate
1 Slight
0 Minimal

This product's health and safety information is provided to assist our customers in assessing compliance with Health, Safety and Environmental regulations. The information contained herein is based on data available to us, and is believed to be accurate, although no guarantee or warranty is provided or implied by the company in this respect. Since the use of this product is within the exclusive control of the user, it is the user's responsibility to determine the conditions of safe use. Such conditions must comply with all governmental regulations.

Wincom
Winning Technical Expertise

SAFETY DATA SHEET (SDS)

1- IDENTIFICATION

Wintrol® T-50Na

Product code: 30TT050L, sodium tolyltriazole, sodium 4,5 methyl benzotriazole, Na-TTA

Chemical family: Triazole

Recommended use: Yellow metal corrosion inhibitor

Wincom, Inc.
11444 Deerfield Road
Suite B
Blue Ash, Ohio 45242

Information telephone #: (513) 936-0185 (7:30 AM to 4 PM, EST, Monday to Friday)
24 Hr. emergency telephone #: CHEMTEL (US): (800) 225-3924
CHEMTEL (Int'l): 01-813-248-0585

Revision date: 11/21/2013

***All non-emergency questions should be directed to customer service @ (513) 936-0185 or customerservice@wincom-inc.com ***

2 – HAZARDS IDENTIFICATION

Classification of chemical:
Clear yellow to light amber liquid, slight triazole amine odor

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200)(Hazcom 2012)

Hazard classification:
- Acute Toxicity – Category 4, H302
- Skin Corrosion – Category 1C, H314
- Serious Eye Damage – Category 1, H318

Label elements:

Hazard Pictograms:

Signal word: Danger

Hazard statements:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

Precautionary statements:

P260	Do not breathe mist/vapors/spray
P264	Wash contact area thoroughly after handling
P280	Wear protective goggles, gloves, apron and vapor respirator
P270	Do not eat, drink or smoke when using this product
P301+P330+P331	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P363	Wash contaminated clothing before reuse
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P310	Immediately call a POISON CENTER/doctor if ingested
P321	Wash out mouth thoroughly with water and give plenty of water to drink. DO NOT induce vomiting unless told to by a medical professional
P305+P351+P338	IN EYES: Rinse cautiously with water for several minutes. Remove contact, if present and easy to do. Continue rinsing
P405	Store locked up
P501	Dispose of contents/containers in accordance with local regulations

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	**CAS #**	**Concentration**
Sodium tolyltriazole	64665-57-2	49.5-51.0 %
Water	7732-18-5	49.0-50.5 %

4 – FIRST AID MEASURES

Description of first aid measures:

*Inhalation***:** IF INHALED: Remove from exposure, get fresh air. If problems remain or occur later, get medical attention. Self-Contained Breathing Apparatus should be worn if exposed to large quantities.
Skin Contact: IF ON SKIN: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.
Eye Contact: For eye contact, flush eyes with water for 15 minutes. Get medical attention if irritation persists.
Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. DO NOT induce vomiting unless told by a medical professional. Obtain medical attention.

Symptoms and effects, both acute and delayed:

Acute:
Eye Contact: burning, swelling or pain
Skin Contact: redness, itching or swelling
Ingestion: severe pain, vomiting, diarrhea or collapse
Inhalation: irritation to respiratory tract

Chronic:
Repeated exposure to eyes or skin may cause destruction of tissue, corneal damage or conjunctivitis.

5 – FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Carbon dioxide, dry-chemical or universal type foam
Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire

Special hazards arising from the substance: Incompatible with oxidizing agents

Hazardous combustion products: None

Special protective equipment and precautions for firefighters: Use Carbon Dioxide Extinguisher (suitable for class B and C fires) or Multi-Purpose Dry Chemical Extinguisher (suitable for class A, B and C fires)

6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Any/all persons dealing with the spill should wear appropriate personal protective equipment. Keep others away from spill/leak. Restrict access to area until the spill has been cleaned up.

Methods and material for containment and cleaning up: Use proper personal protective equipment. Isolate and secure the area and follow the appropriate emergency guidelines. If local high concentration of airborne mist occurs, dilute spill with plenty of water and ventilate to disperse mist-laden air. Sweep up spill and reclaim or place in a covered waste disposal container. Report spill to proper authorities.

7 – HANDLING AND STORAGE

Precautions for safe handling: Obtain special instructions before use. Wear proper personal protective equipment. Use only in well ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and open flame.

Conditions for safe storage: Store in cool, dry, ventilated area away from any heat source. Storage area should be clearly identified and free of obstruction. Keep containers tightly closed and in an upright position when not in use.

Incompatible materials: Oxidizing agents

Other precautions: Product can freeze at temperatures at or below -15°C (5°F).

Section 7 notes: Change contaminated clothing. Wash hands well after working with substance.

8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: Limits for sodium tolyltriazole have not been established by OSHA and ACGIH

Exposure controls:
Ventilation and engineering measures: Use ventilation if possible, e.g., fans or exhaust systems to keep vapor levels below recommended exposure limits.

Respiratory protection: If good ventilation is not available, wear a respiratory device approved by NIOSH/MSHA for protection against organic vapors, mists and dust. If handling large quantities, use a certified SCBA apparatus.

Eye protection: Wear safety glasses with un-perforated side shields.

Skin protection: Wear chemical resistant gloves for long and repeated contact. Contaminated clothing and shoes should be cleaned before reusing.

Other protective equipment: Safety shower/eye wash

General hygiene considerations: Acceptable industrial hygiene practices should be maintained.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to light yellow liquid
Odor: Slight amine triazole odor
Odor threshold: Data currently unavailable
Product pH: 13.3
pH@ 10%: 11.5 – 12.0
Freezing point: -15°C
Boiling point: 160 °C @ 2 mm Hg
Vapor pressure (EPIWIN): 0.0533 hPa @ 20°C
Vapor density: 5.2
Evaporation rate: < 1 (Butyl Acetate = 1)
Flash point: 120°C; 260°F
Upper/lower flammability limits: Information not available
Solubility in water: Miscible
Other solubilities: Soluble in methanol, ethanol and acetone
Percent volatile: 50%
Log P (octanol-water): Log K_{ow}: 0.658
Relative density 1.190
Autoignition temperature: 413°C; 775°F
Decomposition temperature: Data currently unavailable
Viscosity (cSt @ 25°): 32.5
Gibbs energy: 441.44 kj/mol

Spectral properties: Data currently unavailable

Section 9 notes: The above chemical properties are a compilation of data from the NTP, Chemdraw and Wincom, Inc.

10 – STABILITY AND REACTIVITY

Reactivity: > 400°C

Stability: Stable under normal conditions

Conditions to avoid: Oxidizing Agents

Incompatible materials: Oxidizing Agents

Hazardous decomposition products or by-products: FIRE: Nitrogen oxides, carbon monoxide and carbon dioxide. HCN in reducing atmospheres

Possibility of hazardous reactions: Hazardous polymerization does not occur.

11 – TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
Routes of entry – inhalation: yes
Routes of entry – skin & eye: yes
Routes of entry – ingestion: yes
Routes of entry – skin absorption: yes

Potential Health Effects:
Signs and symptoms of short term (acute) exposure:
Signs and symptoms – inhalation: may be irritating to mucous membranes and respiratory tract
Signs and symptoms – ingestion: severe pain, vomiting, diarrhea and collapse
Signs and symptoms – skin: redness, itching or swelling
Signs and symptoms – eyes: redness, burning, swelling, tearing or pain

Mutagenicity: Not expected to be mutagenic in humans

Carcinogenicity: This product and its components are not listed on OSHA, NIOSH, IARC or NTP lists as cancer-causing

Reproductive effects: No data found

Sensitization to material: Not expected to be a skin sensitizer
No data available to indicate material may be a respiratory sensitizer

Specific target organ effects: No data found

Medical conditions aggravated by overexposure: No data found

Toxicological data:
Oral LD_{50} (Rat): = 640-1,980 mg/kg bw
Dermal LD_{50} (Rabbit): > 2,000 mg/kg
Eye irritation (Rabbit): Sodium Hydroxide: Causes severe eye irritation (0.050 mg, 24 hr)

Human toxicity levels: None found

12 – ECOLOGICAL INFORMATION

Ecotoxicity: Acute toxicity of sodium Tolyltriazole
Toxicity to fish: LC_{50}/96h/*S. gairdneri* = 25 mg/l
Toxicity to crustacean: LC_{50}/*D. magna* = 280 mg/l
Toxicity to algae: EC_{50}/72h/*S. capricornutum* = 26.2 mg/l

Persistence and degradability: Readily biodegradable (*Benzotriazoles Category Justification and Testing Rationale*. Rep., 2001. Print.)

Bioaccumulation potential: Log K_{ow}: 0.658

Mobility in soil: Data not available

13 – DISPOSAL CONSIDERATIONS

Waste disposal method: Dispose of in accordance with federal, state and local regulations.

14 – TRANSPORTATION INFORMATION

DOT Shipping: Corrosive liquid, Basic, Organic, N.O.S. (Sodium Tolyltriazole)
DOT Hazard class: 8, PG III
UN/NA Number: UN3267

15 – REGULATORY INFORMATION

U.S. federal regulations
TSCA (Toxic Substance Control Act): 8(c)/40CFR 712 Preliminary Assessment Rule
8(d) Health and Safety Data Rule

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances 265-004-9

Worldwide Chemical Inventory Status: USA,TSCA,CANADA and DSL

California Proposition 65: None of the components in Wintrol® T-50Na are in the current P-65 chemicals list.

HMIS hazard classification
Health: 3 **Flammability: 1** **Physical Hazard: 0**
Protection: H

16 – OTHER INFORMATION

Preparation information: Prepared on the 31st of May 2013

Legend: ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Service
CFR: Code of Federal Regulations
DOT: Department of Transportation
DSL: Domestic Substance List (Canada)
EC: Effective Concentration
EINECS: European Inventory of Existing Commercial chemical Substances
EPA: Environmental Protection Agency
HMIS: Hazardous Material Identification System
IARC: International Agency for Research on Cancer
LC: Lethal Concentration
LD: Lethal Dose
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
SCBA: Self Contained Breathing Apparatus
SDS: Safety Data Sheet/Material Safety Data Sheet

DISCLAIMER:

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Wincom hereunder are given gratis and Wincom assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Data obtained from EPA, eChemPortal, *Benzotriazoles Category Justification and Testing Rationale.* Rep.,2001. Print., Wincom Lab.

Erwin Madrid

From: connor.helsel@powereng.com
Sent: Tuesday, October 22, 2024 9:05 AM
To: Erwin Madrid
Cc: nathan.collier@powereng.com; julie.morelli@powereng.com; andrew.frye@capitolaggregates.com; McMahon, Zachary
Subject: RE: Application for Permit No. WQ0001510000 - Notice of Deficiency Letter
Attachments: 241021_NORI Spanish Translation_Capitol Aggregates.docx; 241022_NOD Response Letter_Capitol Aggregates.pdf

Good morning Erwin,

On behalf of the Capitol Aggregates, please find the attached response letter to the NOD letter provided on October 8, 2024. Please do not hesitate to reach with any questions.

Thank you,

CONNOR HELSEL
ENVIRONMENTAL SPECIALIST

210-793-6112 cell
connor.helsel@powereng.com

POWER Engineers, Inc.
www.powereng.com

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Monday, October 21, 2024 4:01 PM
To: Morelli, Julie <julie.morelli@powereng.com>; andrew.frye@capitolaggregates.com
Cc: Helsel, Connor <connor.helsel@powereng.com>; Collier, Nathan <nathan.collier@powereng.com>
Subject: [EXTERNAL] RE: Application for Permit No. WQ0001510000 - Notice of Deficiency Letter

Hi Julie,

Yes, I believe I inadvertently left out the link to the GIS facility location, my apologies. Please see the Map It link below:

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.421666,29.546388&level=18 [gisweb.tceq.texas.gov]

Regards,

Erwin Madrid
Team Lead

ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality

From: julie.morelli@powereng.com <julie.morelli@powereng.com>
Sent: Monday, October 21, 2024 3:34 PM
To: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>; andrew.frye@capitolaggregates.com
Cc: connor.helsel@powereng.com; nathan.collier@powereng.com
Subject: RE: Application for Permit No. WQ0001510000 - Notice of Deficiency Letter

Hi Erwin,

The response to the NOD below is forthcoming. The Spanish translation is complete.

I am wondering if there should be a second weblink provided in the Public Notice, Item 1, last sentence, which reads, "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.". Should there be a link to the TCEQ GIS Map Viewer here?

Thank you so much!
Julie

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Tuesday, October 8, 2024 3:31 PM
To: Morelli, Julie <julie.morelli@powereng.com>; andrew.frye@capitolaggregates.com
Cc: Helsel, Connor <connor.helsel@powereng.com>; Collier, Nathan <nathan.collier@powereng.com>
Subject: [EXTERNAL] RE: Application for Permit No. WQ0001510000 - Notice of Deficiency Letter

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Hi Julie,

In review, I inadvertently left out the last paragraph of the NORI to be translated. I am including it here below:

"Further information may also be obtained from Capitol Aggregates, Inc. at the address stated above or by calling Mr. Andrew Frye, Director of Environmental Affairs, at 210-871-7294."

Please use the paragraph above for the translation. If you have any questions/concerns, please let me know.

Regards,

Erwin Madrid
Team Lead
ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality

Please consider whether it is necessary to print this e-mail.

From: julie.morelli@powereng.com <julie.morelli@powereng.com>
Sent: Tuesday, October 8, 2024 3:27 PM
To: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>; andrew.frye@capitolaggregates.com
Cc: connor.helsel@powereng.com; nathan.collier@powereng.com
Subject: RE: Application for Permit No. WQ0001510000 - Notice of Deficiency Letter

Thank you Erwin,

We will review the public notice information and provide a Spanish translation by the deadline below.

Best,
Julie Morelli

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Tuesday, October 8, 2024 3:17 PM
To: andrew.frye@capitolaggregates.com
Cc: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>; Morelli, Julie <julie.morelli@powereng.com>
Subject: [EXTERNAL] Application for Permit No. WQ0001510000 - Notice of Deficiency Letter
Importance: High

Dear applicant,

The attached Notice of Deficiency letter sent on **October 8, 2024**, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by **October 22, 2024**.

Regards,

Erwin Madrid
Team Lead
ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality

Please consider whether it is necessary to print this e-mail.

85 NORTHEAST LOOP 410, SUITE 207, SAN ANTONIO, TX 78216
WWW.POWERENG.COM

October 22, 2024

Erwin Madrid
Texas Commission on Environmental Quality
Industrial Wastewater Permitting – MC 148
12100 Park 35 Circle
Austin, Texas 78753

RE: **Application to Renew Permit No.: WQ0001510000 (EPA I.D. No. TX0030040)**
Applicant Name: Capitol Aggregates, Inc. (CN604033142)
Site Name: Capitol Aggregates Cement Plant (RN100211507)
Type of Application: Renewal without changes

Dear Erwin Madrid:

On behalf of Capitol Aggregates, Inc. (Capitol), thank you for your email regarding the administrative review of our application to renew permit WQ0001510000 for the Capitol Aggregates Cement Plant without changes. In response to item 1, we have included the hyperlink to an electronic map of the site you provided by email on 10/21/2024. No other changes are noted. Regarding item 2, please find the NORI translated into Spanish and attached as a separate Microsoft Word document.

If you have any questions regarding this submittal or if you require additional information, please call me at 210-951-6424 or reach out by email at julie.morelli@powereng.com.

Sincerely,

Julie Morelli
Project Manager

c: Andrew Frye, Capitol Aggregates, Inc.
Zachary McMahon, Capitol Aggregates, Inc.

Attachments NORI English Version
NORI Spanish Translation

SAW 24-1024-09963 0253267 (2024-10-21) CH

Response to Item 1:

APPLICATION. Capitol Aggregates, Inc., P.O. Box 33240, San Antonio, Texas 78265, which owns a Portland and masonry cement facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0001510000 (EPA I.D. No. TX0030040) to authorize the discharge of wastewater and stormwater at an intermittent and flow variable rate via Outfalls 001 and 002. The facility is located at 11551 Nacogdoches Road, San Antonio, in Bexar County, Texas 78217. The discharge route is from the plant site via Outfalls 001 and 002 to unnamed tributaries of Salado Creek; thence to Salado Creek. TCEQ received this application on September 24, 2024. The permit application will be available for viewing and copying at San Antonio Central Library, 600 Soledad Street, San Antonio, in Bexar County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.421666,29.546388&level=18 [gisweb.tceq.texas.gov]

Response to Item 2:

NORI Spanish Translation

See attached Word document.

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. WQ0001510000

SOLICITUD. Capitol Aggregates, Inc., P.O. Box 33240, San Antonio, Texas 78265, propietario de una planta de fabricación de cemento portland y cemento para mampostería, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0001510000 (EPA I.D. No. TX0030040) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales y pluviales a una tasa variable e intermitente a través de los Emisarios 001 y 002. La planta está ubicada en 11551 Nacogdoches Road, San Antonio, en el Condado de Bexar, Texas. La ruta de descarga es del sitio de la planta a través de los Emisarios 001 y 002 hacia tributarios sin nombre del Arroyo Salado; luego al Arroyo Salado. La TCEQ recibió esta solicitud el 24 de septiembre del 2024. La solicitud para el permiso estará disponible para leerla y copiarla en la Biblioteca Central de San Antonio, 600 Soledad Street, San Antonio, en el condado de Bexar, Texas antes de la fecha en que este aviso sea publicado en el periódico. La solicitud (y cualquier actualización asociada) estarán disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.421666,29.546388&level=18 [gisweb.tceq.texas.gov]

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

comentarios públicos.

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los

Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión. La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional de Capitol Aggregates, Inc., en la dirección indicada arriba o llamando a Andrew Frye al 210-871-7294.

Fecha de emisión _____ *[Date notice issued]*