

#### 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. Second notice (NAPD-Notice of Preliminary Decision)
  - English
  - Alternative Language (Spanish)
- 4. Application materials
- 5. Draft permit
- 6. Technical summary or fact sheet



#### Este archivo contiene los siguientes documentos:

- 1. Resumen de la solicitud (en lenguaje sencillo)
  - Inglés
  - Idioma alternativo (español)
- 2. Primer aviso (NORI, Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
  - Inglés
  - Idioma alternativo (español)
- 3. Segundo aviso (NAPD, Aviso de Decisión Preliminar)
  - Inglés
  - Idioma alternativo (español)
- 4. Materiales de la solicitud
- 5. Proyecto de permiso
- 6. Resumen técnico u hoja de datos

# TCEQ

#### 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. WO0001510000 (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: <a href="https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications">https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</a>. El aviso de idioma alternativo en español está disponible en <a href="https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications">https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</a>.

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 countywide 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 <a href="https://www.tceq.texas.gov/goto/cid">www.tceq.texas.gov/goto/cid</a>. 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 <a href="https://www14.tceq.texas.gov/epic/eComment/">https://www14.tceq.texas.gov/epic/eComment/</a>, 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 <a href="www.tceq.texas.gov/goto/pep">www.tceq.texas.gov/goto/pep</a>. 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 específico. 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 <a href="www.tceq.texas.gov/about/comments.html">www.tceq.texas.gov/about/comments.html</a>. 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: <a href="www.tceq.texas.gov">www.tceq.texas.gov</a>.

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

#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



#### **COMBINED**

### NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN A WATER QUALITY PERMIT (NORI)

#### **AND**

#### NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR INDUSTRIAL WASTEWATER

#### **RENEWAL**

Permit No. WQ0001510000

APPLICATION AND PRELIMINARY DECISION. Capitol Aggregates, Inc., P.O. Box 33240, San Antonio, TX 78265, which operates a portland and masonry cement manufacturing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0001510000, which authorizes the discharge of material storage pile runoff, 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, including stormwater runoff from process and non-process areas, on an intermittent and flow-variable basis via Outfalls 001 and 002. The TCEQ received this application on September 24, 2024.

## This combined notice is being issued to correct the permittee's contact information indicated in the original NORI.

The facility is located at 11551 Nacogdoches Road, in the City of San Antonio, Bexar County, Texas 78217. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application. <a href="https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.421666,29.546388&level=18">https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.421666,29.546388&level=18</a>

The effluent is discharged via Outfalls 001 and 002 to two unnamed tributaries of Salado Creek, thence to Salado Creek in Segment No. 1910 of the San Antonio River Basin. The unclassified receiving water use is minimal aquatic life use for the unnamed tributaries. The designated uses for Segment No. 1910 are primary contact recreation, public water supply, aquifer protection, and high aquatic life use.

The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at the San Antonio Central Library, 600 Soledad Street, San Antonio, in Bexar County, Texas. 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

**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.

**PUBLIC COMMENT / PUBLIC MEETING.** You may submit public comments or request a public meeting about this application. The purpose of a public meeting is to provide the opportunity to submit written or oral comment or to ask questions about the application. Generally, the 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 public comments, the Executive Director will consider the comments and prepare a response to all relevant and material, or significant public comments. The response to comments, along with the Executive Director's decision on the application, will be mailed to everyone who submitted public comments or who requested to be on a mailing list for this application. If comments are received, the mailing will also provide instructions for requesting a contested case hearing or reconsideration of the Executive Director's decision. A contested case hearing is a legal proceeding similar to a civil trial in a 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.

**EXECUTIVE DIRECTOR ACTION.** The Executive Director may issue final approval of the application unless a timely contested case hearing request or a timely request for reconsideration is filed. If a timely hearing request or request for reconsideration is filed, the Executive Director will not issue final approval of the permit and will forward the application and requests to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

**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 added to: (1) the permanent list for a specific applicant name and permit number; and (2) the mailing list for a specific county. If you wish to be placed on the permanent and the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

All written public comments and public meeting requests must be submitted to the Office of the Chief Clerk, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 or electronically at <a href="https://www.tceq.texas.gov/goto/comment">https://www.tceq.texas.gov/goto/comment</a> within 30 days from the date of newspaper publication of this notice.

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at <a href="https://www.tceq.texas.gov/goto/cid/">https://www.tceq.texas.gov/goto/cid/</a>. Search the database using the permit number for this application, which is provided at the top of this notice.

**AGENCY CONTACTS AND INFORMATION.** Public comments and requests must be submitted either electronically at <a href="https://www.tceq.texas.gov/goto/comment">https://www.tceq.texas.gov/goto/comment</a>, 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 <a href="https://www.tceq.texas.gov/agency/decisions/participation/permitting-participation">https://www.tceq.texas.gov/agency/decisions/participation/permitting-participation</a>. 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. Zachary McMahon, Environmental Specialist, at 210-871-7054.

Issued: November 25, 2025

#### Comisión de Calidad Ambiental de Texas



#### AVISO COMBINADO

#### DE RECEPCIÓN DE SOLICITUD E INTENCIÓN (NORI) DE OBTENER UNA RENOVACIÓN DE PERMISO DE CALIDAD DE AGUA

 $\mathbf{Y}$ 

#### AVISO DE SOLICITUD Y DECISIÓN PRELIMINAR (NAPD) PARA PERMISO TPDES DE AGUAS RESIDUALES INDUSTRIALES

#### RENOVACIÓN

#### Permiso No. WQ0001510000

SOLICITUD Y DECISIÓN PRELIMINAR. Capitol Aggregates, Inc., P.O. Box 33240, San Antonio, TX 78265, que opera una instalación de fabricación de cemento Portland y de mampostería, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ, por sus siglas en inglés) la renovación del Permiso del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES, por sus siglas en inglés) No. WQ0001510000, que autoriza la descarga de escorrentía de pilas de almacenamiento de materiales, agua de lavado de vehículos y planta, agua para supresión de polvo en caminos, agua de purga de torre de enfriamiento, condensado de compresores de aire, agua de lavabos de la instalación, agua para supresión de polvo del triturador primario y aguas pluviales, incluyendo escorrentía de aguas pluviales de áreas de proceso y áreas no asociadas al proceso, de manera intermitente y con caudal variable a través de los puntos de descarga 001 y 002. La TCEQ recibió esta solicitud el 24 de septiembre de 2024.

## Este aviso combinado se emite para corregir la información de contacto del titular del permiso indicada en el aviso NORI original.

La instalación se encuentra en 11551 Nacogdoches Road, en la ciudad de San Antonio, condado de Bexar, Texas 78217. El siguiente enlace a un mapa electrónico del sitio o ubicación general de la instalación se proporciona como cortesía pública y no forma parte de la solicitud ni del aviso. Para la ubicación exacta, consulte la solicitud.

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

El efluente se descarga a través de los puntos de descarga 001 y 002 hacia dos tributarios sin nombre del arroyo Salado Creek, y posteriormente al arroyo Salado Creek en el Segmento No. 1910 de la cuenca del río San Antonio. El uso asignado al agua receptora no clasificada en los tributarios sin nombre es de uso mínimo para la vida acuática. Los usos designados para el Segmento No. 1910 son recreación de contacto primario, suministro público de agua, protección del acuífero y uso elevado para la vida acuática.

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. El permiso preliminar, si se aprueba, establecería las condiciones bajo las cuales la instalación debe operar. El Director Ejecutivo ha tomado una decisión preliminar de que este permiso, de ser emitido, cumple con todos los requisitos legales y reglamentarios. La solicitud del permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para consulta y copia en la Biblioteca Central de San Antonio, 600 Soledad Street, San Antonio, en el condado de Bexar, Texas. La solicitud, incluyendo actualizaciones y avisos asociados, están disponibles electrónicamente en la siguiente página web: <a href="https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications">https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</a>

Emitido 25 de November de 2025





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

Juliana Morelli

c: Andrew Frye, Capitol Aggregates, Inc.

Zachary McMahon, Capitol Aggregates, Inc.

Attachment: TPDES Permit Renewal Application

#### **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



#### **TABLE OF CONTENTS**

**ADMINISTRATIVE REPORT 1.0** 

ATTACHMENT- CORE DATA FORM

ATTACHMENT - TOPOGRAPHIC MAP

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF) AND ATTACHMENTS

PAYMENT SUBMITTAL FORM

PLAIN LANGUAGE SUMMARY

**TECHNICAL REPORT 1.0** 

**WORKSHEET 1.0** 

WORKSHEET 2.0

**WORKSHEET 4.0** 

**WORKSHEET 7.0** 

ATTACHMENT - SITE DRAWING

ATTACHMENT- WATER BALANCE

ATTACHMENT- CHEMICAL ADDITIVES

#### **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.

ADDITIC ANT NAME:	Capitol Aggregates,	Inc
AFFLICANT NAME.	Capitol Aggregates,	mc.

PERMIT NUMBER (If new, leave blank): WQ00<u>01510000</u>

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

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

## COMMISSION OF THE PROPERTY OF

#### 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 (<u>TCEQ Form-20893 and 20893-inst</u>¹).

	$\underline{\mathbf{t}}^{1}$ ).
Ite	em 1. Application Information and Fees (Instructions, Page 26)
a.	Complete each field with the requested information, if applicable.
	Applicant Name: <u>Capitol Aggregates, Inc.</u>
	Permit No.: <u>WQ0001510000</u>
	EPA ID No.: <u>TX00030040</u>
	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.
	□ Inactive
d.	Check the box next to the appropriate permit type.
	$oxed{oxed}$ TPDES Permit $oxed{\Box}$ TLAP $oxed{\Box}$ 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: <u>Click to enter text.</u>
Foi	TCEQ Use Only
Seg	gment NumberCounty
ex <sub>I</sub> Per	piration DateRegion mit Number

<sup>&</sup>lt;sup>1</sup> 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 <sup>2</sup>	□ \$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: <u>721894 and 721895</u>

Copy of voucher attachment: Attachment: Payment Submittal Form

#### Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: <u>CN604033142</u> **Note:** Locate the customer number using the TCEQ's Central Registry Customer Search<sup>3</sup>.

b. Legal name of the entity (applicant) applying for this permit: <u>Capitol Aggregates, Inc.</u>

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: <u>Mr.</u>	Full Name	(Last/First	Name):	Thorington/	<u> Derek</u>

Title: <u>Plant Manager</u> Credential: <u>Click to enter text.</u>

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

⊠ Yes	□ No
-------	------

<sup>2</sup> All facilities are designated as minors until formally classified as a major by EPA.

<sup>&</sup>lt;sup>3</sup> 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 coapplicant, 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): <u>CNClick to enter text.</u>

**Note:** Locate the customer number using the TCEO'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 coapplicant, 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 coapplicant(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: <u>210-871-7294</u> Email: <u>Andrew.Frye@capitolaggregates.com</u>

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: <u>210-951-6424</u> Email: <u>julie.morelli@powereng.com</u>

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: <u>210-871-7294</u> Email: <u>Andrew.frye@capitolaggregates.com</u>

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: <u>Director of Environmental Affairs</u> Credential: <u>Click to enter text.</u>

Organization Name: <u>Capitol Aggregates, Inc.</u>

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

Phone No: <u>210-871-7294</u> Email: <u>Andrew.frye @capitolaggregates.com</u>

#### 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: <u>Capitol Aggregates, Inc.</u>

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

Phone No: <u>210-871-7054</u> Email: <u>zachary.mcmahon@capitolaggregates.com</u>

#### 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: <u>Consultant</u> Credential: <u>Click to enter text.</u>

Organization Name: POWER Engineers, Inc.

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

Phone No: <u>210-951-6424</u> Email: <u>julie.morelli@powereng.com</u>

- 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: <u>Director of Environmental Affairs</u> Credential: <u>Click to enter text.</u>

Organization Name: Capitol Aggregates, Inc.

Phone No: <u>210-871-7294</u> Email: <u>Andrew.frye@capitolaggregates.com</u>

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: <u>San Antonio Central Library</u> Location within the building: <u>"Visiting</u> Document Shelf"

Physical Address of Building: 600 Soledad Street

City: <u>San Antonio</u> County: <u>Bexar</u>

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.		nin Language Summary Template – Complete the Plain Language Summary (TCEQ Form 972) and include as an attachment. Attachment: <u>Plain Language Summary</u>
g.		implete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application a new permit or major amendment and include as an attachment. Attachment: $N/A$
Ite	em	10. Regulated Entity and Permitted Site Information (Instructions
		Page 29)
a.	TC	EQ issued Regulated Entity Number (RN), if available: RN100211507
a.	No ma the	
	No ma the reg	EQ issued Regulated Entity Number (RN), if available: RN100211507  Ste: If your business site is part of a larger business site, a Regulated Entity Number (RN) ay already be assigned for the larger site. Use the RN assigned for the larger site. Search are TCEQ's Central Registry to determine the RN or to see if the larger site may already be
b.	No ma the reg Na Ag	EQ issued Regulated Entity Number (RN), if available: RN100211507  ote: If your business site is part of a larger business site, a Regulated Entity Number (RN) ay already be assigned for the larger site. Use the RN assigned for the larger site. Search e TCEQ's Central Registry to determine the RN or to see if the larger site may already be gistered as a Regulated Entity. If the site is found, provide the assigned RN.  me of project or site (the name known by the community where located): Capitol
b.	No ma the reg Na Ag	EQ issued Regulated Entity Number (RN), if available: RN100211507  Ste: If your business site is part of a larger business site, a Regulated Entity Number (RN) by already be assigned for the larger site. Use the RN assigned for the larger site. Search e TCEQ's Central Registry to determine the RN or to see if the larger site may already be gistered as a Regulated Entity. If the site is found, provide the assigned RN.  The project or site (the name known by the community where located): Capitol is gregates Cement Plant
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b. с.	No mather reg	EQ issued Regulated Entity Number (RN), if available: RN100211507  Ste: If your business site is part of a larger business site, a Regulated Entity Number (RN) by already be assigned for the larger site. Use the RN assigned for the larger site. Search at TCEQ's Central Registry to determine the RN or to see if the larger site may already be gistered as a Regulated Entity. If the site is found, provide the assigned RN.  The of project or site (the name known by the community where located): Capitol gregates Cement Plant  The location address of the facility in the existing permit the same?  Yes No N/A (new permit)  Ste: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or lliamson County, additional information concerning protection of the Edwards Aquifer
b. с.	No matthe reg	EQ issued Regulated Entity Number (RN), if available: RN100211507  Ite: If your business site is part of a larger business site, a Regulated Entity Number (RN) ay already be assigned for the larger site. Use the RN assigned for the larger site. Search a TCEQ's Central Registry to determine the RN or to see if the larger site may already be gistered as a Regulated Entity. If the site is found, provide the assigned RN.  The of project or site (the name known by the community where located): Capitol gregates Cement Plant  The location address of the facility in the existing permit the same?  Yes No N/A (new permit)  Ite: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or lliamson County, additional information concerning protection of the Edwards Aquifer by be required.
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b. с.	No matthe regions of the regions of	EQ issued Regulated Entity Number (RN), if available: RN100211507  Tote: If your business site is part of a larger business site, a Regulated Entity Number (RN) and already be assigned for the larger site. Use the RN assigned for the larger site. Search at TCEQ's Central Registry to determine the RN or to see if the larger site may already be gistered as a Regulated Entity. If the site is found, provide the assigned RN.  The of project or site (the name known by the community where located): Capitol gregates Cement Plant  The location address of the facility in the existing permit the same?  Yes No N/A (new permit)  Tote: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or alliamson County, additional information concerning protection of the Edwards Aquifer by be required.  The office is a Regulated Entity Number (RN) and all larger site. Search are given by the Regulated Entity Number (RN) assigned RN.  The office is part of a Regulated Entity Number (RN) assigned RN.  The office is part of the larger site. Search are given by the RN assigned RN.  The office is part of the larger site. Search are given by the RN assigned RN.  The office is part of the larger site. Search are given by the RN assigned RN.  The office is part of the larger site. Search are given by the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part of the RN assigned RN.  The office is part o

f.

b.

f.	Owner of land where treatment faci	lity is or will be: <u>Click to enter text.</u>				
	Prefix: Click to enter text. Full N	ame (Last/First Name): Click to enter text.				
	or Organization Name: Capitol Aggr	<u>egates, Inc.</u>				
	Mailing Address: P.O. Box 33240	City/State/Zip: San Antonio, TX 78	<u> 265</u>			
	Phone No: <u>210-871-7228</u> Email	: <u>Andrew.frye@capitolaggregates.com</u>				
		owner, attach a long-term lease agreement in effe ease may not suffice - see instructions). Attachmen				
g.	Owner of effluent TLAP disposal sit	e (if applicable): <u>N/A</u>				
	Prefix: <u>Click to enter text.</u> Full N	ame (Last/First Name): Click to enter text.				
	or Organization Name: Click to ente	r text.				
	Mailing Address: Click to enter text.	City/State/Zip: Click to enter text.				
	Phone No: <u>Click to enter text.</u> Email	: Click to enter text.				
	<b>Note:</b> If not the same as the facility at least six years. Attachment: <u>Click</u>	owner, attach a long-term lease agreement in effe- to enter text.	ct for			
h.	Owner of sewage sludge disposal si	te (if applicable):				
	Prefix: N/A Full Name (Last	/First Name): <u>Click to enter text.</u>				
	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.					
	<b>Note:</b> If not the same as the facility at least six years. Attachment: Click	owner, attach a long-term lease agreement in effe- to enter text.	ct for			
Ite	em 11. TPDES Discharge/TI Page 31)	AP Disposal Information (Instructions	S,			
a.	Is the facility located on or does the ☐ Yes ☒ No	treated effluent cross Native American Land?				
b.		pographic Map (or an 8.5"×11" reproduced portion) with all required information. Check the box nexten included on the map.				
	☑ One-mile radius	☑ Three-miles downstream information				
	☑ Applicant's property boundaries	☑ Treatment facility boundaries				
	□ Labeled point(s) of discharge	☑ Highlighted discharge route(s)				
	☐ Effluent disposal site boundaries	⊠ All wastewater ponds				
	☐ Sewage sludge disposal site	☐ New and future construction				
	Attachment: <u>Topographic Map</u>	_				
c.		disposal site in the existing permit accurate?				
TC	☐ Yes ☐ No or New Permit EQ-10411 (01/08/2024) Industrial Wastewate	r Application Administrative Deport	9 of <b>18</b>			
1	LO-10411 (01/00/2024) IIIUUSIIIdI WASIEWAIG	1 Application Administrative Report Page S	<i>7</i> UL <b>10</b>			

	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: <u>Click to enter text.</u>
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: <u>Click to enter text.</u>
f.	City nearest the outfall(s): <u>San Antonio</u>
g.	County in which the outfalls(s) is/are located: <u>Bexar</u>
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: $\square$ Authorization granted $\square$ 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?
	$\square$ Yes No or New Permit $\boxtimes$ $\underline{N/A}$
	If no, or a new application, provide an accurate location description: $\underline{N/A}$
j.	City nearest the disposal site: $\underline{N/A}$
k.	County in which the disposal site is located: $\underline{N/A}$
l.	For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: $\underline{\text{N/A}}$
m.	For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: $\underline{N/A}$

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

#### 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: <u>Click to enter text.</u>
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: <u>Click to enter text.</u>
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, <u>Derek Thorington</u>, 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

	* .	1
Signature:		1

(Use blue ink)

Date: 9/11/2024

Subscribed and Sworn to before me by the said \_\_\_\_\_\_\_

on this <u>eleventh</u>

My commission expires on the

day of September

day of January . 20 24.

[SEAL]

Manisol DelAuson Notary Public

Bexan

County, Texas

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

**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: <u>Click to enter text.</u>

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.

   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.)
- ☑ 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 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**

City

18. Telephone Number

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

San Antonio

CCTION I. Gene	i ai III	<u>ioimation</u>						
1. Reason for Submission (If ot	her is checked	d please describe in space provided.)						
New Permit, Registration or A	Authorization	(Core Data Form should be submitted v	vith the prog	ram application.)				
Renewal (Core Data Form sho	ould be submi	itted with the renewal form)		Other				
2. Customer Reference Number	3. Re	gulated Entity Re	eference	Number (if is:	sued)			
CN 604033142		for CN or RN numbers i Central Registry**		RN 100211507				
ECTION II: Cus	tomer	<u>Information</u>						
4. General Customer Informat	ion	5. Effective Date for Customer In	nformation	Updates (mm/dd	/уууу)		8/22/2024	
☐ New Customer ☐ Change in Legal Name (Verifiab		   Jpdate to Customer Information   xas Secretary of State or Texas Comptro	<del></del>	nge in Regulated Er	itity Own	ership		
The Customer Name submittee (SOS) or Texas Comptroller of	_	be updated automatically based ounts (CPA).	on what is c	urrent and active	e with tl	he Texas Secre	etary of State	
6. Customer Legal Name (If an	individual, pr	int last name first: eg: Doe, John)		If new Customer,	enter pr	evious Custome	r below:	
Capitol Aggregates, Inc.								
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax	ID	10. DUNS N	lumber (if	
801525417		17427312255		(9 digits)		applicable)		
				17427312255				
11. Type of Customer:		tion	☐ Individ	dual	Partne	ership: 🗌 Gene	eral 🗆 Limited	
Government: City County			_	e Proprietorship Other:				
12. Number of Employees				13. Independe	ntly Ow	ned and Oper	rated?	
☐ 0-20 ☐ 21-100 ☐ 101-2	50 🛭 251	-500		⊠ Yes	☐ No			
14. Customer Role (Proposed or	Actual) – as	it relates to the Regulated Entity listed (	on this form.	Please check one o	f the follo	owing		
	erator esponsible Pa	☑ Owner & Operator orty ☐ VCP/BSA Applicant		Other	:			
Capitol Aggregate	s, Inc.							
<b>15. Mailing</b> P.O Box 33240								
Address:								

TCEQ-10400 (11/22) Page 1 of 3

19. Extension or Code

State

ZIP

78265

**17. E-Mail Address** (if applicable) andrew.frye@capitolaggregates.com

ZIP + 4

20. Fax Number (if applicable)

3240

( 210 ) 871-7294	( ) -	
------------------	-------	--

#### **SECTION III: Regulated Entity Information**

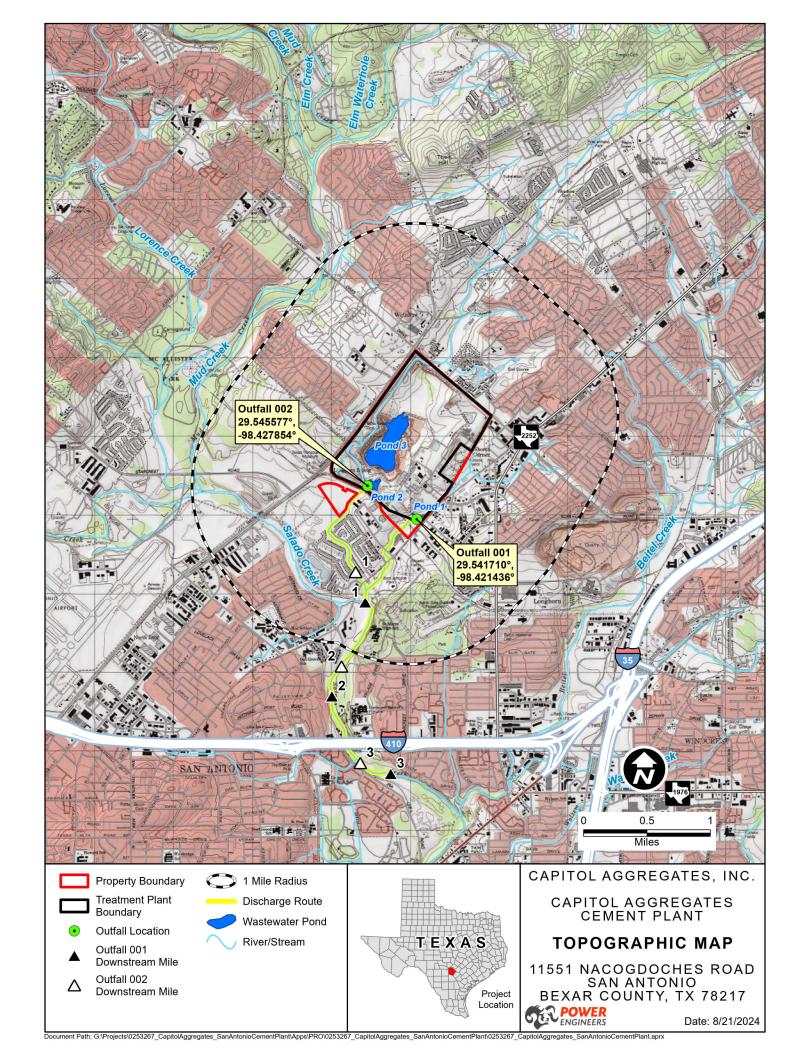
21. General Regulated En	tity Informa	ation (If 'New Re	gulated Entity" is se	lected, a new p	ermit applica	ition is also	required.)				
☐ New Regulated Entity [	Update to	Regulated Entity	/ Name 🔀 Updat	e to Regulated	Entity Inform	ation					
The Regulated Entity Nan as Inc, LP, or LLC).	ne submitte	ed may be updo	ated, in order to m	neet TCEQ Co	re Data Sta	ndards (re	emoval of org	ganization	nal endings such		
22. Regulated Entity Nam	<b>e</b> (Enter nam	ne of the site whe	re the regulated act	ion is taking plo	ice.)						
Capitol Aggregates Cement P	lant										
23. Street Address of	Capitol Aggregates, Inc.										
the Regulated Entity:	11551 Nacogdoches Road										
(No PO Boxes)	City	San Antonio	State	TX	ZIP	78217		ZIP + 4			
24. County	Bexar	1	<b>-</b>	<u> </u>					1		
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 re used to supply coordinate	-	-	-		Pata Stande	ırds. (Geo	coding of the	e Physical	Address may be		
_	s where no	-	-	n accuracy).	Data Stando	-		e Physical			
used to supply coordinate	s where no	ne have been p	-	n accuracy).	ongitude (\	V) In Deci		- -			
used to supply coordinate  27. Latitude (N) In Decima	es where no	ne have been p	provided or to gai	n accuracy). 28. L	ongitude (\	V) In Deci	mal:	- -	22		
27. Latitude (N) In Decima	es where no al:  Minutes	29.548889	Seconds 56	28. L Degree 31. Prima	ongitude (\text{\text{V}} ees 98  ry NAICS Co	V) In Deci	mal: //inutes	- -	Seconds 20		
27. Latitude (N) In Decima  Degrees  29	Minutes 30.	29.548889 32	Seconds 56	28. L	ongitude (\text{\text{V}} ees 98  ry NAICS Co	V) In Deci	mal: //inutes	-98.4222	Seconds 20		
27. Latitude (N) In Decima  Degrees  29  29. Primary SIC Code	Minutes 30.	29.548889  32  Secondary SIC	Seconds 56	28. L Degree 31. Prima	ongitude (\text{\text{V}} ees 98  ry NAICS Co	V) In Deci	mal: //inutes 25 32. Secon	-98.4222	Seconds 20		
Degrees  29  29. Primary SIC Code (4 digits)	### Add to Add t	29.548889  32  Secondary SIC	Seconds 56 Code	28. L Degra  31. Prima (5 or 6 digi	98 ry NAICS Co	V) In Deci	mal: //inutes 25 32. Secon (5 or 6 digi	-98.4222	Seconds 20		
27. Latitude (N) In Decima Degrees 29 29. Primary SIC Code (4 digits) 3241	30. (4 d	29.548889  32  Secondary SIC  ligits)	Seconds 56 Code	28. L Degra  31. Prima (5 or 6 digi	98 ry NAICS Co	V) In Deci	mal: //inutes 25 32. Secon (5 or 6 digi	-98.4222	Seconds 20		
27. Latitude (N) In Decimal Degrees  29  29. Primary SIC Code (4 digits)  3241  33. What is the Primary B	Minutes  30. (4 d n/a susiness of t	29.548889  32  Secondary SIC  ligits)	Seconds 56 Code	28. L Degra  31. Prima (5 or 6 digi	98 ry NAICS Co	V) In Deci	mal: //inutes 25 32. Secon (5 or 6 digi	-98.4222	Seconds 20		
27. Latitude (N) In Decimal Degrees 29 29. Primary SIC Code (4 digits) 3241 33. What is the Primary B Manufacture Portland / Mason	Minutes  30. (4 d n/a susiness of t	29.548889  32  Secondary SIC ligits)  this entity? (E	Seconds 56 Code	28. L Degra  31. Prima (5 or 6 digi	98 ry NAICS Co	V) In Deci	mal: //inutes 25 32. Secon (5 or 6 digi	-98.4222	Seconds 20		
27. Latitude (N) In Decimal Degrees  29  29. Primary SIC Code (4 digits)  3241  33. What is the Primary B	Minutes  30. (4 d n/a susiness of t charge cement	29.548889  32  Secondary SIC ligits)  this entity? (E	Seconds 56 Code	28. L Degra  31. Prima (5 or 6 digi	98 ry NAICS Co	V) In Deci	mal: //inutes 25 32. Secon (5 or 6 digi	-98.4222	Seconds 20		
27. Latitude (N) In Decimal Degrees 29 29. Primary SIC Code (4 digits) 3241 33. What is the Primary B Manufacture Portland / Mason	Minutes  30. (4 d n/a susiness of t conary cement Capitol Ag P.O. Box 3:	32 Secondary SIC ligits) this entity? (D t gregates, Inc. 3240 San Antonio	Seconds  56  Code	28. L Degree 31. Prima (5 or 6 digital) 327310	98  ry NAICS Cotts)	V) In Deci	mal: //inutes 25 32. Secon (5 or 6 digi	-98.4222	Seconds 20 CS Code		
27. Latitude (N) In Decimal Degrees  29  29. Primary SIC Code (4 digits)  3241  33. What is the Primary B Manufacture Portland / Mason Address:	Minutes  30. (4 d n/a susiness of t conary cement Capitol Ag P.O. Box 3:	32 Secondary SIC ligits) this entity? (D t gregates, Inc. 3240 San Antonio	Seconds  56  Code  State	31. Prima (5 or 6 digital 327310	98 ry NAICS Cotts)  ziption.)	V) In Deci	mal: //inutes 25 32. Secon (5 or 6 digi	-98.4222	Seconds 20 CS Code		

**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.

TCEQ-10400 (11/22) Page 2 of 3

☐ Dam Safety		Districts	Edwards Aquifer		Emissions Inventory Air	☐ Industrial Hazardous Waste
Municipal Solid	d Waste	New Source Review Air	OSSF		Petroleum Storage Tank	☐ PWS
Sludge		Storm Water	☐ Title V Air		Tires	Used Oil
☐ Voluntary Clea	nup		☐ Wastewater Agricu	Ilture [	Water Rights	Other:
		TX0030040; WQ0001510000				
ECTION	IV: Pr	eparer Inf	ormation			
<b>10. Name:</b> Ju	lie Morelli			41. Title:	Consultant	
2. Telephone Nu	mber	43. Ext./Code	44. Fax Number	45. E-Mai	l Address	
	mber	43. Ext./Code	44. Fax Number		I Address li@powereng.com	
210 ) 951-6424			( ) -			
210 ) 951-6424 <b>ECTION</b> By my signature b	V: Au	thorized S	( ) -  ignature  wledge, that the informati	julie.morel	li@powereng.com	e, and that I have signature authorit entified in field 39.
ECTION  By my signature b submit this form or	V: Au	thorized S	( ) -  ignature  wledge, that the informati	julie.morel	li@powereng.com this form is true and complet	e, and that I have signature authorit entified in field 39.
. By my signature b	V: Au	thorized S  , to the best of my known entity specified in Second agregates, Inc.	( ) -  ignature  wledge, that the informati	julie.morel on provided in equired for the	li@powereng.com this form is true and completupdates to the ID numbers id	te, and that I have signature authorit entified in field 39.

### **ATTACHMENT - TOPOGRAPHIC MAP**



## 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:RenewalMajor Amendment]	Minor Amendment New
County: Segment Num	
Admin Complete Date:	
Agency Receiving SPIF:	
Texas Historical Commission U.S. Fig.	sh and Wildlife
Texas Parks and Wildlife Department U.S. Ar	my Corps of Engineers
This form applies to TPDES permit applications only. (Instru	ctions, Page 53)
Complete this form as a separate document. TCEQ will mail a cour agreement with EPA. If any of the items are not completely is needed, we will contact you to provide the information beforeach item completely.	addressed or further information
Do not refer to your response to any item in the permit appl attachment for this form separately from the Administrative R application will not be declared administratively complete with completed in its entirety including all attachments. Questions may be directed to the Water Quality Division's Application Reemail at <a href="https://www.wov.nc.nih.gov">www.www.wov.nc.nih.gov</a> and the permit application of the water Quality Division's Application Reemail at <a href="https://www.wov.nc.nih.gov">www.www.wov.nc.nih.gov</a> and the permit application of the water Quality Division's Application Reemail at <a href="https://www.wov.nc.nih.gov">www.wov.nc.nih.gov</a> and water Quality Division's Application Reemail at <a href="https://www.wov.nc.nih.gov">www.wov.nc.nih.gov</a> and water Quality Division's Application Reemail at <a href="https://www.wov.nc.nih.gov">www.wov.nc.nih.gov</a> and water Quality Division's Application Reemail at <a href="https://www.wov.nc.nih.gov">www.wov.nc.nih.gov</a> at <a href="https://www.wov.nih.gov">www.wov.nih.gov</a> at <a href="https://www.wov.nih.gov">www.wov.nih.gov</a> at <a href="https://www.wov.nih.gov">www.wov.nih.gov</a> at <a href="https://www.wov.nih.gov">www.wov</a> at	

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.):
Title: Environmental Specialist I
Mailing Address: P.O. Box 33240
City, State, Zip Code: <u>San Antonio, TX 78265</u>
Phone No.: <u>210-871-7054</u> Ext.: Fax No.: <u>210-452-3870</u>
E-mail Address: <u>zachary.mcmahon@capitolaggregates.com</u>
List the county in which the facility is located: <u>Bexar</u>
If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.
n/a
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.
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

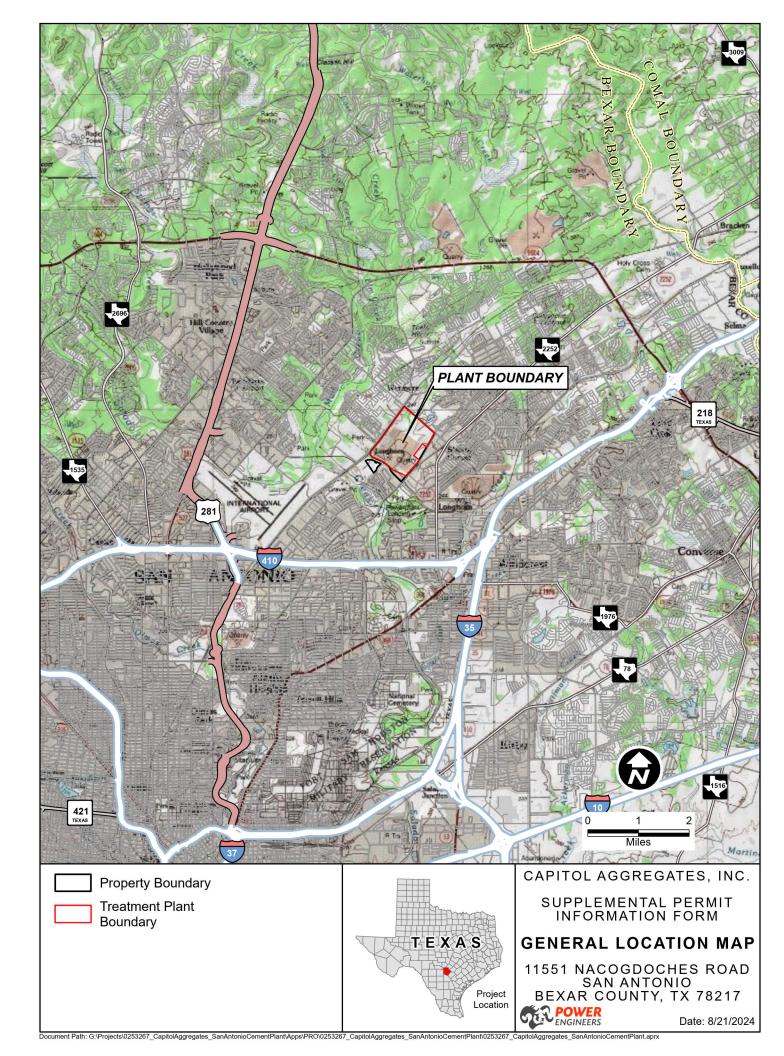
Provide the name, address, phone and fax number of an individual that can be contacted to

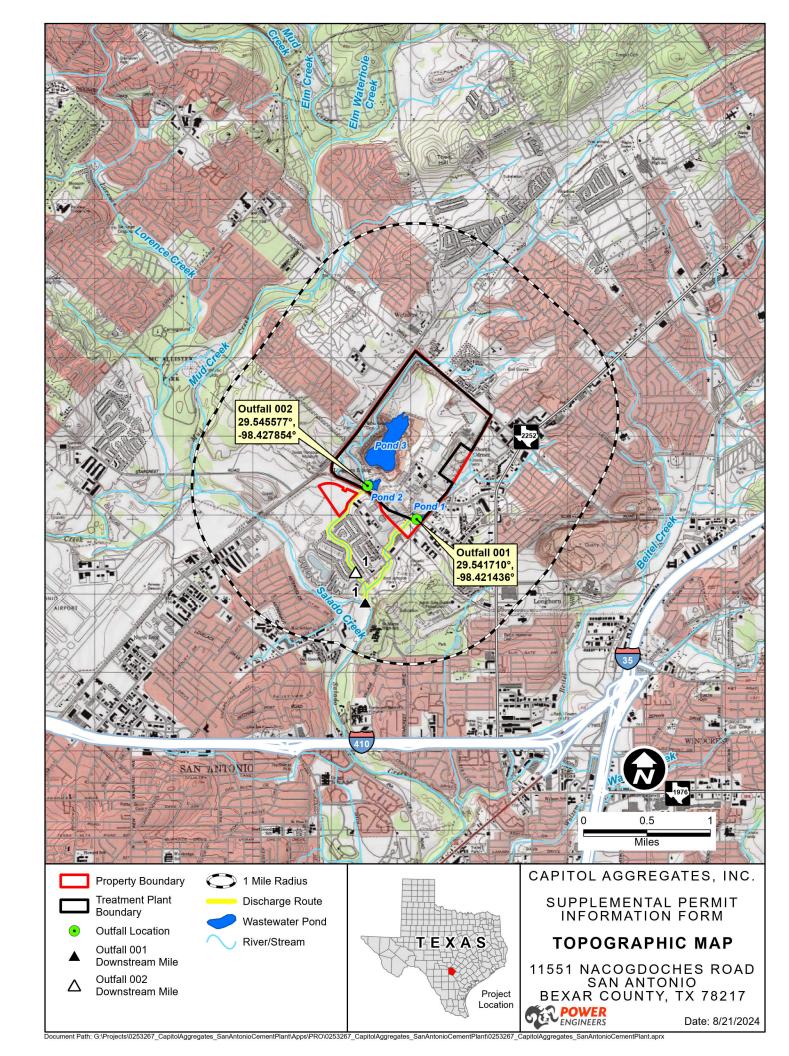
2.3.

4.

5.

	☐ 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.	
	Existing disturbances consist of limestone quarrying and grading from construction.  Vegetation is minimal. Existing land use is industrial.
т⊔	IE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR
	MENDMENTS 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





### **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**

# TCEQ

### 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 <u>Instructions for Completing the Industrial Wastewater Permit Application</u><sup>1</sup> 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

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 <b>yes</b> , 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: <u>FEMA FIRM Map No.</u> 48029C0270G, Panel 270 of 785, Revised September 29, 2010
	If <b>no</b> , 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 <b>new</b> or <b>major amendment</b> permit applications, will any construction operations result in a discharge of fill material into a water in the state?
	$\square$ Yes $\square$ No $\boxtimes$ N/A (renewal only)
h.	If <b>yes</b> to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?
	□ Yes □ No
	If <b>yes</b> , provide the permit number: Click to enter text.
	If <b>no</b> , 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)	С	С	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 <b>yes</b> in the appropriate box. Otherwise, check <b>no</b> or <b>not yet designed</b> .
	1. Liner data
	□ Yes □ No □ Not yet designed
	2. Leak detection system or groundwater monitoring data
	☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

i les ii no ii not yet designi	∃ Yes	□ No	□ Not yet de	signed
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**NOTE:** Item b.3 is required if the bottom of the pond is not above the seasonal highwater 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
	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.			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. 001

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	$\boxtimes$	No	Use boilers that discharge blowdown or other wastestreams
Yes	$\boxtimes$	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  $40 \ CFR \ \S \ 122.26(b)(14)$ , commingled with any other wastestream?

$\boxtimes$	Yes		No
	1 03	_	110

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.

dis	scharged to a wastewater collection system or otherwis	e 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 receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.				
	☐ Domestic sewage disposed of by an on-site septic to Item 7.b.	ank and drainfield system. Complete			
	☐ Domestic and industrial treatment sludge ARE com	mingled prior to use or disposal.			
	☐ Industrial wastewater and domestic sewage are treasludge IS NOT commingled prior to sludge use or d				
	$\square$ Facility is a POTW. Complete Worksheet 5.0.				
	$\square$ Domestic sewage is not generated on-site.				
	$\square$ Other (e.g., portable toilets), specify and Complete I	tem 7.b: Click to enter text.			
b.	o. 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.				
	mestic Sewage Plant/Hauler Name				
P	lant/Hauler Name	Permit/Registration No.			
C	ity of San Antonio Water System POTW	TCEQ Permit WQ-0010137			
T+	em 8. Improvements or Compliance,	/Enforcement			
10	Requirements (Instructions, Pa				
a.	. Is the permittee currently required to meet any implementation schedule for compliance enforcement?				
	□ Yes ⊠ No				
b.	Has the permittee completed or planned for any impr $\square$ Yes $\boxtimes$ No	ovements or construction projects?			
C.	If <b>yes</b> to either 8.a <b>or</b> 8.b, provide a brief summary of update: Click to enter text.	the requirements and a status			

	we any biological tests for acute or chronic toxicity been made on any of the discharges or a receiving water in relation to the discharge within the last three years?
	□ Yes ⊠ No
If <b>y</b>	ves, identify the tests and describe their purposes: Click to enter text.
	ditionally, attach a copy of all tests performed which <b>have not</b> been submitted to the TCEQ EPA. <b>Attachment:</b> Click to enter text.
Ite	em 10. Off-Site/Third Party Wastes (Instructions, Page 45)
	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 <b>yes</b> , provide responses to Items 10.b through 10.d below.
	If <b>no</b> , 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.
	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 <b>yes</b> , 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.
	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 <b>y</b>	ves, Worksheet 6.0 of this application is required.
Ite	em 11. Radioactive Materials (Instructions, Page 46)
d.	Are/will radioactive materials be mined, used, stored, or processed at this facility?  ☐ Yes ☒ No
	If <b>yes</b> , 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.

Item 9. Toxicity Testing (Instructions, Page 45)

Radioactive Materials Mined, Used, Stored, or Processed						
Radioactive Mater	rial Name		Concentration (pCi/L)			
radioactive mate  ☐ Yes ☒ N  If <b>yes</b> , use the fe	erials may be prese erials in the source No ollowing table to pr	nt in the discharge, waters or on the fa covide the results o	, including naturally	y occurring e effluent for all		
information pro	vided in response t	to Item 11.a.	_			
Radioactive Material		charge				
Radioactive Mater	rial Name		Concentration (pC	Ci/L)		
Item 12. Coo	ling Water (I	netructions l	Ρασο 46)			
a. Does the facility	_	use water for cooli	ng purposes?			
⊠ Yes	□ No					
If <b>no</b> , stop here.	If <b>yes</b> , complete It	ems 12.b thru 12.f.				
b. Cooling water is	s/will be obtained f	rom a groundwater	source (e.g., on-site	e well).		
⊠ Yes	□ No					
If <b>yes</b> , stop here	e. If <b>no</b> , continue.					
c. Cooling Water S	. 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	e Structure(s) Owner	(s) and Operator(s)				
CWIS ID						
Owner	Owner					
Operator						

	2.	Cooling water is/will be obtained from a Public Water Supplier (PWS)
		□ Yes □ No
		If <b>no</b> , continue. If <b>yes</b> , provide the PWS Registration No. and stop here: <u>PWS No.</u> Click to enter text.
	3.	Cooling water is/will be obtained from a reclaimed water source?
		□ Yes □ No
		If <b>no</b> , continue. If <b>yes</b> , provide the Reuse Authorization No. and stop here: Click to entertext.
	4.	Cooling water is/will be obtained from an Independent Supplier
		□ Yes □ No
		If <b>no</b> , proceed to Item 12.d. If <b>yes</b> , 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.	31	6(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 <i>40 CFR §</i> 122.2.
		□ Yes □ No
		If <b>no</b> , provide an explanation of how the waterbody does not meet the definition of Waters of the United States in <i>40 CFR § 122.2</i> : Click to enter text.
		to all three questions in Item 12.d, the facility <b>meets</b> the minimum criteria to be subject full requirements of Section 316(b) of the CWA. Proceed to <b>Item 12.f</b> .
be	suk	to any of the questions in Item 12.d, the facility <b>does not meet</b> the minimum criteria to eject to the full requirements of Section 316(b) of the CWA; however, a determination is red based upon BPJ. Proceed to <b>Item 12.e</b> .
e.		e facility does not meet the minimum requirements to be subject to the fill requirements Section 316(b) and uses/proposes to use cooling towers.
		Yes □ No
	-	yes, stop here. If <b>no</b> , complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to ow for a determination based upon BPJ.
f	Oil	l and Gas Exploration and Production

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

	□ Yes □ No
	If <b>yes</b> , continue. If <b>no</b> , 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 <b>yes</b> , 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 <b>no</b> , skip to Item 12.g.3.
Co	mpliance Phase and Track Selection
1.	Phase I – New facility subject to 40 CFR Part 125, Subpart I
	□ Yes ⊠ No
	If <b>yes</b> , 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
	<ul> <li>Attach information required by 40 CFR §§ 125.86(b)(2)-(4).</li> </ul>
	□ Track I - AIF greater than 10 MGD
	<ul> <li>Attach information required by 40 CFR § 125.86(b).</li> </ul>
	□ Track II
	• Attach information required by 40 CFR § 125.86(c).
	<b>Attachment:</b> Click to enter text.
2.	Phase II – Existing facility subject to 40 CFR Part 125, Subpart J
	□ Yes ⊠ No
	If <b>yes</b> , 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 <b>yes</b> , 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

g.

### 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 <b>yes</b> , 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 <b>minor amendments</b> to the permit?  ☐ Yes ☑ No
	If <b>yes</b> , list and describe each change individually.
	N/A
c.	Is the facility requesting any <b>minor modifications</b> to the permit?  ☐ Yes ☑ No
	If <b>yes</b> , 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:
  - o periodically inspected by the TCEQ; or
  - o located in another state and is accredited or inspected by that state; or
  - o performing work for another company with a unit located in the same site; or
  - o 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 labo	ratory tests submitted	d with this applica	ation meet the requ	irements of
30 TAC Chapter 25,	Environmental Testing	g Laboratory Acci	reditation and Certi	fication.

Title: Click to enter text.
Signature:
Date:

Printed Name: Click to enter text.

### **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. Catego	rical Industries	(Instructions,	Pag	ge 53)	
Is this facility subject	to any 40 CFR categoric	al ELGs outlined on p	page !	53 of the instructions?	
⊠ Yes □ No					
If <b>no</b> , this worksheet i	s not required. If <b>yes</b> , pr	ovide the appropria	te inf	ormation below.	
40 CFR Effluent Guideli	ine				
Industry			40 (	CFR Part	
Cement Manufacturi	ng - Nonleaching Subcat	egory A	411		
Itom 2 Produc	ction /Drococc Da	ta (Instructio	nc i	Dago 5/1)	
NOTE: For all TPDES pof oil and gas explora the state, falling unde	<b>Item 2. Production/Process Data (Instructions, Page 54) NOTE:</b> 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 d	ata for effluent guidelin	es with production-b	ased	effluent limitations.	
Production Data					
Subcategory	Actual Quantity/Day	Design Quantity/I	ay	Units	
N/A*					
*Effluent guidelines in 40 CFR 411 are not expressed in terms of production					

Subcategory	Actual Quantity/Day	Design Quantity/Day	Units
o. Organic Chemi	icals, Plastics, and Synthet	ic Fibers Manufacturing	Data (40 CFR Part 414)
	cable subpart and the perce le-bearing wastestreams, as		
Percentage of Total	Production		
Subcategory	Percent of Total Production	Appendix A and B - Metals	Appendix A - Cyanide
N/A			
. Refineries (40	CFR Part 419)		
Provide the applica	able subcategory and a brie	f justification.	
N/A			
itom 2 Dros	occ/Non Drococc V	Magtawatan Elawa	(Instructions
	ess/Non-Process V	vastewater Flows	s (mstructions,
Page	( ) <del>1</del> )		

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.  $\square$  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.: <b>001 &amp; 0</b> 0	<u>02</u>	Samples	are (check one)	: Composite	e 🗆 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		ALYTICAL DATA NOT OCCURRE			
Ammonia nitrogen	DISC	CHARGE OCCUR	RENCE IS INFR	EQUENT.	
Total suspended solids					
Nitrate nitrogen					
Total organic nitrogen					
Total phosphorus					
Oil and grease					
Total residual chlorine					

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.: <u>oo1 & oo2</u> 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	ANTATS	TICAL DATA	IC NOT AVAI	I ADIT AC A I	DICCHARCE	3
Beryllium, total		OT OCCURRE		_		0.5
Cadmium, total	DISCH	ARGE OCCUR	RENCE IS INFI	REQUENT.	,	1
Chromium, total						3
Chromium, hexava	lent					3
Chromium, trivaler	nt					N/A
Copper, total						2
Cyanide, available						2/10
Lead, total						0.5
Mercury, total						0.005/0.0005
Nickel, total						2
Selenium, total						5
Silver, total						0.5
Thallium, total						0.5
Zinc, total						5.0

## **TABLE 3 (Instructions, Page 58)**

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

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

Table 3 for Outfall No.: (	001 & 002		s are (check		mposite	
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	ANALYTICAL	DATA IS NO	T AVAII AD	IEACA DIC	СНАРСЕ	10
Benzidine	HAS NOT OCC	CURRED IN	THE PAST 12	2 MONTHS A		50
Benzo(a)anthracene	DISCHARGE C	CCURRENC	E IS INFREQ	UENT.		5
Benzo(a)pyrene						5
Bis(2-chloroethyl)ethe	r					10
Bis(2-ethylhexyl)phtha	ılate					10
Bromodichloromethar [Dichlorobromometha						10
Bromoform					10	
Carbon tetrachloride						2
Chlorobenzene						10
Chlorodibromometha [Dibromochlorometha						10
Chloroform						10
Chrysene						5
m-Cresol [3-Methylpho	enol]					10
o-Cresol [2-Methylphe	nol]					10
p-Cresol [4-Methylphe	nol]					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'-Dichlorobenzidin	e					5
1,2-Dichloroethane						10

Pollutant		Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (μg/L)*
1,1-Dichloroethene [1,1-Dichloroethylene]						10
Dichloromethane [Methylene chloride]						20
1,2-Dichloropropane						10
1,3-Dichloropropene [1,3-Dichloropropylene	]					10
2,4-Dimethylphenol						10
Di-n-Butyl phthalate						10
Ethylbenzene	ANALYTICAL				<b>I</b>	10
Fluoride	HAS NOT OC DISCHARGE (				AND A	500
Hexachlorobenzene						5
Hexachlorobutadiene						10
Hexachlorocyclopentac	liene					10
Hexachloroethane						20
Methyl ethyl ketone						50
Nitrobenzene						10
N-Nitrosodiethylamine						20
N-Nitroso-di-n-butylam	ine					20
Nonylphenol						333
Pentachlorobenzene						20
Pentachlorophenol						5
Phenanthrene						10
Polychlorinated biphen (**)	yls (PCBs)					0.2
Pyridine						20
1,2,4,5-Tetrachloroben	zene					20
1,1,2,2-Tetrachloroetha	nne					10
Tetrachloroethene [Tetrachloroethylene]						10
Toluene						10
1,1,1-Trichloroethane						10
1,1,2-Trichloroethane						10
Trichloroethene						10
[Trichloroethylene]						

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

<sup>(\*)</sup> Indicate units if different from µg/L.

#### TABLE 4 (Instructions, Pages 58-59)

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

## a. Tributyltin

**3**7 - -

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?

	Ш	res		NO
•				next to each of the following criteria which apply and provide the esults in Table 4 below (check all that apply).
		Manufact	urer	rs and formulators of tributyltin or related compounds.
		Painting of	of sł	nips, boats and marine structures.
		Ship and	boa	t building and repairing.
		Ship and	boa	t cleaning, salvage, wrecking and scaling.
		Operation	n an	d maintenance of marine cargo handling facilities and marinas.
		Facilities	eng	aged in wood preserving.
	П	Any othe	r inc	dustrial/commercial facility for which tributyltin is known to be

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

in the effluent.

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.

present, or for which there is any reason to believe that tributyltin may be present

☐ Yes☒ NoDomestic wastewater is/will be discharged.☐ Yes☒ No

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

<sup>(\*\*)</sup> 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 "<".

## c. E. coli (discharge to freshwater)

This facility discharges/proposes	to discharge directly into	freshwater receiving water	rs <mark>and</mark>
E. coli bacteria are expected to be	present in the discharge	oased 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	e (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 ( <i>alpha</i> )					0.01
Endosulfan II ( <i>beta</i> )					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 ( <i>gamma</i> ) [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

<sup>\*</sup> 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)		L — ANALYTICA	AL DATA IS	NOT AVAIL	H ABLE AS A I	DISCHARGE	$\overline{}$
Sulfite (as SO3)		HAS NOT C	CCURRED I	N THE PAST	12 MONTH		
Surfactants		DISCHARG	E OCCURRE	NCE IS INFR	EQUENT.		
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

## **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**

Ind	lustrial Category	40 CFR Part		latiles ole 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	

<sup>\*</sup> 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.: <u>001 & 002</u> Samples are (check one): ☐ Composite ☐ Grab

Samples are (check one): ☐ Composite ☐ Gr Pollutant Sample 1 Sample 2 Sample 3 Sample 4 MA				
Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (μg/L)
				50
				50
	NOT APPLIC	CABLE		10
				10
				2
				10
				10
				50
				10
				10
				10
				10
				10
				10
				10
				10
				10
				50
				50
				20
				10
				10
				10
				10
	Sample 1	Sample 1 (µg/L)* Sample 2 (µg/L)*	Sample 1 Sample 2 Sample 3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

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

<sup>\*</sup> Indicate units if different from µg/L.

Table 9 for Outfall No.: **001 & 002** Samples are (c

Samples are (check one): ☐ Composite ☐ Grab

1 dbie 5 for Oddan 110 <u>001 &amp; 002</u>		Tes are (effect)	,	inposite <u>u</u>	
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	NOT				50
2,4-Dinitrophenol	NOT	APPLICABLE			50
2-Nitrophenol					20
4-Nitrophenol					50
p-Chloro-m-cresol					10
Pentachlorophenol					5
Phenol					10
2,4,6-Trichlorophenol					10

<sup>\*</sup> Indicate units if different from µg/L.

Table 10 for Outfall No.: **oo1 & oo2** 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		NOT APPLICA	ABLE		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

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

<sup>\*</sup> Indicate units if different from µg/L.

Table 11 for Outfall No.: <u>oo1 & oo2</u> Samples are (check one): ☐ Composite ☐ Grab

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

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

<sup>\*</sup> 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.

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 <b>no</b> , stop here and proceed to Item 2. If <b>yes</b> , provide the following information:
	1. The legal name of the owner of the drinking water supply intake: <u>Click to enter text.</u>
	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.
	$\square$ Check this box to confirm the above requested information is provided.
Ito	em 2. Discharge Into Tidally Influenced Waters (Instructions, Page 80)
	the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to m 3.
a.	Width of the receiving water at the outfall: <u>Click to enter text.</u> feet
b.	Are there oyster reefs in the vicinity of the discharge?
	□ Yes □ No
	If <b>yes</b> , provide the distance and direction from the outfall(s) to the oyster reefs: <u>Click to enter text.</u>
c.	Are there sea grasses within the vicinity of the point of discharge?
	□ Yes □ No
	If <b>yes</b> , provide the distance and direction from the outfall(s) to the grasses: Click to enter text.
Ite	em 3. Classified Segment (Instructions, Page 80)
Th	e discharge is/will be directly into (or within 300 feet of) a classified segment.
	□ Yes ⊠ No
If y	yes, stop here and do not complete Items 4 and 5 of this worksheet or Worksheet 4.1.
If <b>r</b>	<b>no</b> , complete Items 4 and 5 and Worksheet 4.1 may be required.

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

		(instructions, Page 80)
a.	Name o	f the immediate receiving waters: <u>Tributary to Salado Creek, Segment 1910</u>
b.	Check t	he appropriate description of the immediate receiving waters:
	□ Lak	te or Pond
	• 5	Surface area (acres): <u>Click to enter text.</u>
	• A	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.
	□ Ma	n-Made Channel or Ditch
	⊠ Str	eam or Creek
	□ Fre	shwater Swamp or Marsh
	□ Tid	al Stream, Bayou, or Marsh
	□ Ор	en Bay
	□ Oth	ner, specify:
		<b>le Channel or Ditch</b> or <b>Stream or Creek</b> were selected above, provide responses to 4.g below:
c.		sting discharges, check the description below that best characterizes the area of the discharge.
		v discharges, check the description below that best characterizes the area ream of the discharge.
	$\boxtimes$	Intermittent (dry for at least one week during most years)
	a	Intermittent with Perennial Pools (enduring pools containing habitat to maintain quatic life uses)
		Perennial (normally flowing)
		he source(s) of the information used to characterize the area upstream (existing ge) or downstream (new discharge):
		USGS flow records
	$\boxtimes$	personal observation
		historical observation by adjacent landowner(s)
		other, specify: <u>Click to enter text.</u>
d.		names of all perennial streams that join the receiving water within three miles ream of the discharge point: Salado Creek, Segment 1910
e.		eiving water characteristics change within three miles downstream of the discharge tural or man-made dams, ponds, reservoirs, etc.). Yes $\Box$ No

If **yes**, describe how: <u>The unnamed intermittent tributary joins Salado Creek, Segment 1910, approximately 1 mile downstream.</u>

f.		General observations of the water body during normal dry weather conditions: $\underline{\text{Dry creek bed}}$ Date and time of observation: $\underline{8/7/2014}$ ; 2:00 p.m.						
g.	The water body was influenced by stormwater runoff during observations.  \[ \subseteq \text{ Yes} \quantimes \text{ No} \]  If <b>yes</b> , describe how: Click to enter text.							
It		General Characteristics of Page 81)	Wa	ater Body (Instructions,				
a.		eceiving water upstream of the existing of the deck all that						
	□ oil f	field activities	$\boxtimes$	urban runoff				
	□ agri	icultural runoff		septic tanks				
	□ ups	tream discharges		other, specify: <u>Click to enter text.</u>				
b.	Uses of	water body observed or evidence of suc	h us	es (check all that apply):				
	□ live	stock watering		industrial water supply				
	⊠ non	n-contact recreation		irrigation withdrawal				
	□ don	nestic water supply		navigation				
	□ con	tact recreation	$\boxtimes$	picnic/park activities				
	□ fish	ning		other, specify: Click to enter text.				
c.		tion which best describes the aesthetics eck only one):	of tl	ne receiving water and the surrounding				
	☐ <b>Wilderness:</b> outstanding natural beauty; usually wooded or un-pastured area: water clarity exceptional							
		t <b>ural Area:</b> trees or native vegetation co lds, pastures, dwellings); water clarity di		- ·				
		<b>nmon Setting:</b> not offensive, developed bid	but	uncluttered; water may be colored or				
		ensive: stream does not enhance aesthe eas; water discolored	etics;	cluttered; highly developed; dumping				

## **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	e 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:** <u>Click to enter text.</u>
- 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: <u>Click to enter text.</u>

## 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.  $\square$  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

<sup>\*</sup> Taken during first 30 minutes of storm event

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

<sup>\*</sup> Taken during first 30 minutes of storm event

Attachment: Click to enter text.

<sup>\*\*</sup> Flow-weighted composite sample

<sup>\*\*</sup> Flow-weighted composite sample

## 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.

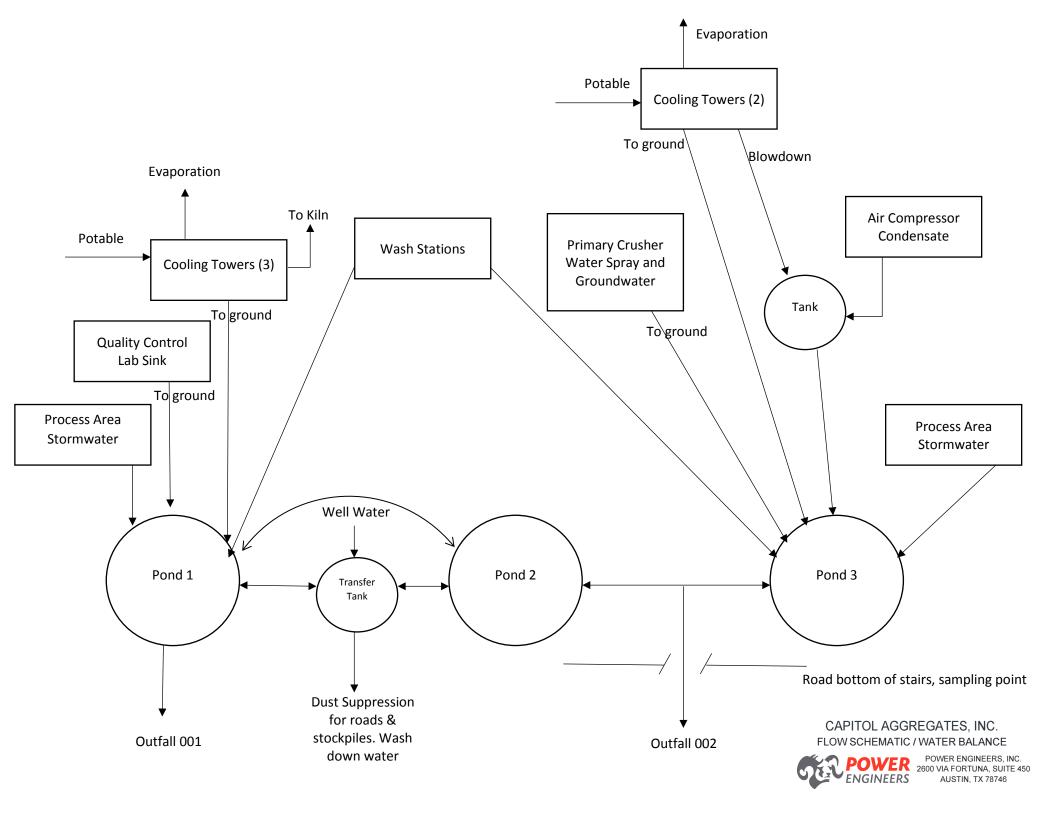
Total stormwater flow from rain event (gallons): Click to enter text.

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

## **ATTACHMENT - SITE DRAWING**



## ATTACHMENT- WATER BALANCE



## **ATTACHMENT- CHEMICAL ADDITIVES**

## ATTACHMENT TR-5.d SDS Summary

Manufacturer	Manufacturer's Product Identification		Use Chemical Composition	CAS Number	Toxicity		Toxicity for whole product	Persistent, non-
Manulacturer	Number	Product Ose	Chemical Composition	CAS Number	Species and test	LC50, EC50	or active ingredient(s)?	persistent, bioaccumlative
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/biodegrada bility: 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/biodegrada bility: 17% after 28 days

# DOW

## 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

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	0.5 mg/m3
		fraction.	

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 6.5 - 7.5

pH 6.5 - 7.5 Boiling point/boiling range 100 °C (212.00 °F) Water

Melting point/range0 °C (32 °F) WaterFlash pointNoncombustible

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:

no data available

n-octanol/water Relative density

1.32

Viscosity, dynamic

400.000 - 1,400.000 mPa.s

Evaporation rate Percent volatility <1.00 Water

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

Thermal decomposition may yield acrylic monomers.,

decomposition products

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

EC50 Daphnia magna (Water flea) 48 h OECD Test Guideline 202

invertebrates >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)

Page 5 of 7

Revision date

11/05/2010

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

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 oversynasure to due to the potential for oversynasure

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

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):
1	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

Page 6 of 7 Revision date 11/05/2010

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 000101084180

Page 7 of 7 Revision date 11/05/2010



#### **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**

Ref: b640si.doc

#### Belclene® 640 Scale Inhibitor

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		

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

#### **Quality Control**

Logistics

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	Irritant
rabbit	

#### **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

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Tenax Road, Trafford Park
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M17 1WT
United Kingdom
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BioLab Water Additives
PO Box 1489
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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

Revision 7



#### SAFETY DATA SHEET BELCOR 575

This product is distributed by Canada Colors and Chemicals Limited General Inquiry: (905) 459-1232 24 Hour Emergency: (416) 444-2112



CCC: Product Code: 234500

CCC: Product Name: 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

AppearanceLiquidColorDark brown.OdorSlight 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 Not classified.

Hazards

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.

Report Date : 01/04/2015 2 / 8

Revision 7

#### 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.

EC No.: 405-710-8

#### **Other Health Effects**

This substance has no evidence of carcinogenic properties.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HYDROXYPHOSPHONOACETIC ACID

**GHS** Classification

CAS No.: 23783-26-8

Acute Tox. 4 - H302; Skin Corr. 1B - H314; Skin Sens. 1 - H317; STOT RE 2 - H373

PHOSPHORIC ACID ...%

30-60%

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.

Report Date: 01/04/2015 3 / 8

Revision 7

#### BELCOR 575

#### **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.

Report Date : 01/04/2015 4 / 8

Revision 7

#### BELCOR 575

# Storage Store in tio

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.

#### **Eve 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 101 - 103 @ 760 mm Hg

range (°C)

Melting point (°C) <-5

**Relative density** 1.394 - 1.445 @ 20 °C

Report Date: 01/04/2015 5 / 8
Revision 7

#### BELCOR 575

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 >160

(°C)

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 log Pow < 0

(N-Octanol/Water) 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 (CO2). 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

# Report Date : 01/04/2015 6 / 8 Revision 7

#### 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

IMDG Pack Group

Air Pack Group

**Environmentally Hazardous Substance/Marine Pollutant** 

No.

# Report Date : 01/04/2015 7 / 8 Revision 7

#### BELCOR 575

IMDG Code Segregation 1. Acids.

Group

**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

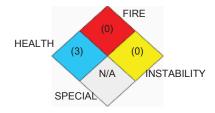
The following ingredients are listed. HYDROXYPHOSPHONOACETIC ACID

#### 16. OTHER INFORMATION

#### HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH	3
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	С

#### 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

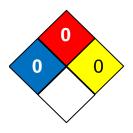
For safety reasons it is IMPERATIVE that customers:-

- 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.





#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ChemBase CB-2

Product Description: Corrosion Inhibitor Base

Company Information: Emergency Number:

CHEMICO INTERNATIONAL, INC. 1-800-255-3924
19407 PARK ROW, SUITE 218

HOUSTON, TX 77084 *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:

Flash Point:

Lower Flame Limit:

Upper Flame Limit:

Extinguish Media:

Not applicable

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.

#### ChemBase CB-2 Material Safety Data Sheet

**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

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

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)

#### ChemBase CB-2 Material Safety Data Sheet

#### 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.

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
 REVISION DATE:
 05/26/2015

 GLB
 SUPERCEDES:
 12/02/2010

GLB SUPERCEDES: 12/02/2010 1400 Bluegrass Lakes Parkway ,

Alpharetta, GA, 30004 MSDS Number: 000000024532

SYNONYMS: Trichloroisocyanuric Acid, TCCA,

Telephone: +17705215999

CHEMICAL FAMILY: None

Telefax: +17705215959
Web: www.poolspacare.com
DESCRIPTION / USE FORMULA:
None established None established

Manufacturer

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

#### **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** 

"GLB LARGE 3"" TABLETS"

REVISION DATE: 05/26/2015 Page 1 of 11

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.

**Prevention:** Precautionary statements

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 rinsina.

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.

"GLB LARGE 3"" TABLETS"

REVISION DATE: 05/26/2015

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS OR CHEMICAL NAMECAS #% RANGETRICHLORO-S-TRIAZINETRIONE87-90-196 - 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.

"GLB LARGE 3"" TABLETS"

REVISION DATE: 05/26/2015 Page 3 of 11

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:

Lower Flammable / Explosive Limit,

% in air:

Not applicable

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** 

Additional Spill Information:

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. 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.

"GLB LARGE 3"" TABLETS"

REVISION DATE: 05/26/2015 Page 4 of 11

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)

60°C

Do Not Store At temperatures

Above:

#### 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 An eye wash and safety shower should be provided in the immediate work

Measures: 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

Not applicable

Molecular Weight: 232.41 g/mol pH: 2.7 - 3.2

() 1 g/l (as aqueous solution)

Boiling Point: Not applicable

point

Density 1.6 - 1.9 g/cm<sup>3</sup>

"GLB LARGE 3"" TABLETS"

REVISION DATE: 05/26/2015 Page 5 of 11

Melting point/freezing

**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:** Oxidizing:

Not applicable 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.

Not applicable HAP Content

#### 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-LD50 = 490 mg/kg Rat

TRIAZINETRIONE

Component Animal Toxicology

Dermal LD50 value:

TRICHLORO-S-LD50 > 2,000 mg/kgRabbit

TRIAZINETRIONE

Component Animal Toxicology

Inhalation LC50 value: "GLB LARGE 3"" TABLETS"

REVISION DATE: 05/26/2015

Page 6 of 11

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

TRIAZINETRIONE 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

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

value: (aerosol dust), (Nose Only) Approximately 2.16 mg/l

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

This product is corrosive to all tissues contacted and upon inhalation, may cause Acute Toxicity:

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

There are no known or reported effects from repeated exposure., Toxicological Toxicity:

investigation indicates it does not produce significant effects from chronic

exposure.

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

**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.

This product is not known or reported to be carcinogenic by any reference Carcinogenicity:

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

Acute Oral LD50 1,600 mg/kg Mallard duck

"GLB LARGE 3"" TABLETS"

REVISION DATE: 05/26/2015 Page 7 of 11 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 uck - Acute Oral LD50 1,600 mg/kg

Mallard duck - Acute Oral LD50 1,600 mg/k 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 : 140

Guidebook Number

**TDG** 

"GLB LARGE 3"" TABLETS"

REVISION DATE: 05/26/2015 Page 8 of 11

**UN** number : 2468

Description of the goods : TRICHLOROISOCYANURIC ACID, DRY

Class : 5.1 Packing group : 11 Labels : 5.1

IATA

UN number : 2468

Description of the goods : Trichloroisocyanuric acid, dry

Class : 5.1 Packing group : 11 Labels : 5.1 Packing instruction (cargo : 562

aircraft)

Packing instruction : 558

(passenger aircraft)

Packing instruction : Y544

(passenger aircraft)

IMDG-CODE

UN number : 2468

Description of the goods : TRICHLOROISOCYANURIC ACID, DRY

Class : 5.1 Packing group : 11 Labels : 5.1 : F-A EmS Number 1 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** 

"GLB LARGE 3"" TABLETS"

REVISION DATE: 05/26/2015 Page 9 of 11 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

Available upon request. Major References:

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. .

REVISION DATE: 05/26/2015 Page 11 of 11

# **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

#### PRODUCT AND COMPANY IDENTIFICATION

Updated Jan 13, 2014

GHS Product Identifier

Aminotri(methylenephosphonic acid)

**Synonyms** 

ATMP

Recommended Use Company Name

Corrosion inhibitor

TELOMER CORPORATION 2470 Gray Falls Dr. Suite 250

Houston, TX 77077

**Phone Number** 

(281) 497-2692

**Emergency 24 Hr Availability** 

Chem 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: Recommende

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:** 226° F Freeze Point: <10°F **Vapor Pressure:** Vapor Density: n/d NA Volatility/Vol. %: Sol. in Water: 50 (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
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.





## **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'1):** 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.

Material name: Wintrol® T-50Na



#### 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.

Material name: Wintrol® T-50Na



**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 Kow: 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

reducing authospheres

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Material name: Wintrol® T-50Na



#### 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<sub>50</sub> (Rat): = 640-1,980 mg/kg bwDermal LD<sub>50</sub> (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<sub>ow</sub>: 0.658

Mobility in soil: Data not available

#### 13 - DISPOSAL CONSIDERATIONS

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

Material name: Wintrol® T-50Na



#### 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

Material name: Wintrol® T-50Na



## **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.

Material name: Wintrol® T-50Na

#### **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

**CAUTION:** This Email is from an **EXTERNAL** source. **STOP**. **THINK** before you CLICK links or OPEN attachments.

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



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

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 < <a href="mailto:Erwin.Madrid@tceq.texas.gov">Erwin.Madrid@tceq.texas.gov</a>>

Sent: Tuesday, October 8, 2024 3:31 PM

To: Morelli, Julie <julie.morelli@powereng.com>; andrew.frye@capitolaggregates.com

**Cc:** Helsel, Connor < <a href="mailto:connor.helsel@powereng.com">connor.helsel@powereng.com</a>; Collier, Nathan < <a href="mailto:nathan.collier@powereng.com">nathan.collier@powereng.com</a>> **Subject:** [EXTERNAL] RE: Application for Permit No. WQ0001510000 - Notice of Deficiency Letter

**CAUTION:** This Email is from an **EXTERNAL** source. **STOP**. **THINK** before you CLICK links or OPEN attachments.

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 < <a href="mailto:Erwin.Madrid@tceq.texas.gov">Erwin.Madrid@tceq.texas.gov</a>>

**Sent:** Tuesday, October 8, 2024 3:17 PM **To:** andrew.frye@capitolaggregates.com

Cc: Erwin Madrid < <a href="mailto:Erwin.Madrid@tceq.texas.gov">Erwin Madrid < <a href="mailto:Erwin.Madrid@tceq.texas.gov">Erwin Madrid < <a href="mailto:Erwin.Madrid@tceq.texas.gov">Erwin Madrid@tceq.texas.gov</a>; Morelli, Julie < <a href="mailto:julie.morelli@powereng.com">julie.morelli@powereng.com</a>>
<a href="mailto:Subject:">Subject:</a> [EXTERNAL] Application for Permit No. WQ0001510000 - Notice of Deficiency Letter

Importance: High

**CAUTION:** This Email is from an **EXTERNAL** source. **STOP**. **THINK** before you CLICK links or OPEN attachments.

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

fuliana Morelli

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

Attachments NORI English Version

NORI Spanish Translation

## **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/tpdesapplications. 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 <a href="www.tceq.texas.gov/about/comments.html">www.tceq.texas.gov/about/comments.html</a>. 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: <a href="www.tceq.texas.gov">www.tceq.texas.gov</a>.

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]



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

P.O. Box 13087 Austin, Texas 78711-3087

#### PERMIT TO DISCHARGE WASTES

under provisions of Section 402 of the Clean Water Act and Chapter 26 of the Texas Water Code and 40 CFR Part 411 Subparts A and C TPDES PERMIT NO.
WQ0001510000
[For TCEQ office use only EPA I.D. No. TX0030040]

This renewal replaces TPDES Permit No. WQ0001510000, issued on March 31, 2020.

Capitol Aggregates, Inc.

whose mailing address is

P.O. Box 33240 San Antonio, Texas 78265

is authorized to treat and discharge wastes from Capitol Aggregates Cement Plant, a portland and masonry cement manufacturer (SIC 3241)

located at 11551 Nacogdoches Road, in the City of San Antonio, Bexar County, Texas 78217

via Outfalls 001 and 002 to unnamed intermittent tributaries of Salado Creek, thence to Salado Creek in Segment 1910 of the San Antonio River Basin

only according to effluent limitations, monitoring requirements, and other conditions set forth in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the TCEQ. The issuance of this permit does not grant to the permittee the right to use private or public property for conveyance of wastewater along the discharge route described in this permit. This includes, but is not limited to, property belonging to any individual, partnership, corporation, or other entity. Neither does this permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This permit shall expire at midnight, five years from the date of permit issuance.

ISSUED DATE:	
	For the Commission

#### EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning upon the date of permit issuance and lasting through the date of permit expiration, the permittee is authorized to discharge material storage pile runoff, 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, including stormwater runoff from process and non-process areas, subject to the following effluent limitations:

Volume: Intermittent and flow-variable.

	Di	scharge Limitations		Minimum Self-Monitorin	g Requirements
Effluent Characteristics	Daily Average	Daily Maximum	Single Grab	Report Daily Average and	Daily Maximum
	mg/L	mg/L	mg/L	Measurement Frequency	Sample Type
Flow	Report, MGD	Report, MGD	N/A	1/day¹	Estimate
Total suspended solids (TSS)	N/A	$50^2$	$50^2$	1/day¹	Composite
Chemical oxygen demand (COD)	N/A	250	250	1/year¹	Grab
Inlet Temperature	Report °F	Report °F	N/A	1/day¹	Record
Outlet Temperature	Report °F	Report °F	N/A	1/day¹	Record
Temperature Rise [Outfall Temp.	N/A	5.5 °F	N/A	1/day¹	Record
minus Inlet Temp.,³]					

- 2. The pH must not be less than 6.0 standard units nor greater than 9.0 standard units² and must be monitored 1/day¹ by grab sample.
- 3. There must be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
- 4. Effluent monitoring samples must be taken at the following locations:
  - a. At Outfall 001, where wastewater discharges from Retention Pond 1 and prior to commingling with any other waters.
  - b. 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.

Page 2 of TPDES Permit No. WQ0001510000

Capitol Aggregates, Inc.

<sup>&</sup>lt;sup>1</sup> When discharging.

<sup>&</sup>lt;sup>2</sup> This effluent limitation does not apply to discharges directly resulting from a rainfall event equal to or greater than a 10-year, 24-hour rainfall event if those discharges are caused by overflow from facilities designed, constructed, and operated to treat the volume of runoff from material storage piles associated with a 10-year, 24-hour rainfall event. See Other Requirement No. 7.

<sup>&</sup>lt;sup>3</sup> See Other Requirement No. 8.

#### **DEFINITIONS AND STANDARD PERMIT CONDITIONS**

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC §§305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in Texas Water Code §26.001 and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

#### 1. Flow Measurements

- a. Annual average flow the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder, and limited to major domestic wastewater discharge facilities with a one million gallons per day or greater permitted flow.
- b. Daily average flow the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.
- c. Daily maximum flow the highest total flow for any 24-hour period in a calendar month.
- d. Instantaneous flow the measured flow during the minimum time required to interpret the flow measuring device.
- e. 2-hour peak flow (domestic wastewater treatment plants) the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.
- f. Maximum 2-hour peak flow (domestic wastewater treatment plants) the highest 2-hour peak flow for any 24-hour period in a calendar month.

#### 2. Concentration Measurements

- a. Daily average concentration the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.
  - i. For domestic wastewater treatment plants When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.
  - ii. For all other wastewater treatment plants When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.
- b. 7-day average concentration the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.
- c. Daily maximum concentration the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.
- d. Daily discharge the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the "daily discharge" is calculated as the total

mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the sampling day.

The "daily discharge" determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the "daily discharge" determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.

- e. Bacteria concentration (Fecal coliform, *E. coli*, or Enterococci) the number of colonies of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the nth root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substitute value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.
- f. Daily average loading (lbs/day) the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD  $\times$  Concentration, mg/L  $\times$  8.34).
- g. Daily maximum loading (lbs/day) the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.

#### 3. Sample Type

- a. Composite sample For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(c).
- b. Grab sample an individual sample collected in less than 15 minutes.
- 4. Treatment Facility (facility) wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.
- 5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.
- 6. Bypass the intentional diversion of a waste stream from any portion of a treatment facility.

#### MONITORING AND REPORTING REQUIREMENTS

#### 1. Self-Reporting

Monitoring results shall be provided at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting in accordance with 30 TAC §§319.4 - 319.12. Unless otherwise specified, effluent monitoring data shall be submitted each month, to the Enforcement Division (MC 224), by the 20th day of the following month for each discharge that is described by this permit whether or not a discharge is made for that month. Monitoring results must be submitted online using the NetDMR reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. Monitoring results must be signed and certified as required by Monitoring and Reporting Requirements No. 10.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act; TWC Chapters 26, 27, and 28; and THSC Chapter 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including more reports of compliance or falsificial to the property of the permit including the permit the perm noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

#### 2. Test Procedures

- a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§319.11 - 319.12. Measurements, tests, and calculations shall be accurately accomplished in a representative manner.
- b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

#### 3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.
- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR §264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.
- c. Records of monitoring activities shall include the following:

  - i. date, time, and place of sample or measurement;ii. identity of individual who collected the sample or made the measurement;
  - iii. date and time of analysis;
  - iv. identity of the individual and laboratory who performed the analysis;
  - v. the technique or method of analysis; and
  - vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

#### 4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report

#### 5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site or shall be readily available for review by a TCEQ representative for a period of three years.

## 6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date to the regional office and the Enforcement Division (MC

## 7. Noncompliance Notification

- a. In accordance with 30 TAC §305.125(9) any noncompliance that may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the regional office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the regional office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. For Publicly Owned Treatment Works (POTWs), effective September 1, 2020, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
- b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:

i. unauthorized discharges as defined in Permit Condition 2(g).

- ii. any unanticipated bypass that exceeds any effluent limitation in the permit.
- iii. violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.
- In addition to the above, any effluent violation that deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the regional office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
- d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.
- 8. In accordance with the procedures described in 30 TAC §§35.301 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.
- 9. Changes in Discharges of Toxic Substances

All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the regional office, orally or by facsimile transmission within 24 hours, and both the regional office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

i. one hundred micrograms per liter (100  $\mu g/L$ ); ii. two hundred micrograms per liter (200  $\mu g/L$ ) for acrolein and acrylonitrile; five hundred micrograms per liter (500  $\mu g/L$ ) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;

iii. five (5) times the maximum concentration value reported for that pollutant in the permit

application; or

iv. the level established by the TCEQ.

- b. That any activity has occurred or will occur that would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
  - i. five hundred micrograms per liter (500  $\mu$ g/L);

- ii. one milligram per liter (1 mg/L) for antimony; iii. ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
- iv. the level established by the TCEO.

#### 10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC §305.128 (relating to Signatories to Reports).

- 11. All POTWs must provide adequate notice to the Executive Director of the following:
  - a. any new introduction of pollutants into the POTW from an indirect discharger that would be subject to CWA §301 or §306 if it were directly discharging those pollutants;
  - any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit;
  - c. for the purpose of this paragraph, adequate notice shall include information on:
    - i. the quality and quantity of effluent introduced into the POTW; and
    - any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

#### PERMIT CONDITIONS

#### 1. General

- a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.
- b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:
  - i. violation of any terms or conditions of this permit;
  - ii. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or iii. a change in any condition that requires either a temporary or permanent reduction or
  - elimination of the authorized discharge.
- The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending, or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

#### 2. Compliance

- a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.
- b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment,

- revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.
- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.
- e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.
- f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§305.62 and 305.66 and TWC §7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.
- h. In accordance with 30 TAC §305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility that does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.
- i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§7.051 7.075 (relating to Administrative Penalties), 7.101 7.111 (relating to Civil Penalties), and 7.141 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA §402, or any requirement imposed in a pretreatment program approved under the CWA §§402(a)(3) or 402(b)(8).

#### 3. Inspections and Entry

- a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC Chapter 361.
- b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit, or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC §7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

#### 4. Permit Amendment or Renewal

- a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
  - i. the alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC §305.534 (relating to New Sources and New Dischargers); or
  - ii. the alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9; or
  - iii. the alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
- c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
- d. Prior to accepting or generating wastes that are not described in the permit application or that would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
- e. In accordance with the TWC §26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.
- f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA §307(a) for a toxic pollutant that is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA §307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

#### 5. Permit Transfer

- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.
- b. A permit may be transferred only according to the provisions of 30 TAC §305.64 (relating to Transfer of Permits) and 30 TAC §50.133 (relating to Executive Director Action on Application or WQMP update).

## 6. Relationship to Hazardous Waste Activities

This permit does not authorize any activity of hazardous waste storage, processing, or disposal that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

## 7. Relationship to Water Rights

Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to Texas Water Code Chapter 11.

#### 8. Property Rights

A permit does not convey any property rights of any sort, or any exclusive privilege.

## 9. Permit Enforceability

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

### 10. Relationship to Permit Application

The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

#### 11. Notice of Bankruptcy.

- a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:
  - i. the permittee;
  - ii. an entity (as that term is defined in 11 USC, §101(15)) controlling the permittee or listing the permit or permittee as property of the estate; or
  - iii. an affiliate (as that term is defined in 11 USC, §101(2)) of the permittee.

#### b. This notification must indicate:

- i. the name of the permittee;ii. the permit number(s);iii. the bankruptcy court in which the petition for bankruptcy was filed; and
- iv. the date of filing of the petition.

#### **OPERATIONAL REQUIREMENTS**

- 1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate and analyzed and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
- 2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§319.21 319.29 concerning the discharge of certain hazardous metals.

- 3. Domestic wastewater treatment facilities shall comply with the following provisions:
  - a. The permittee shall notify the Domestic Permits Team, Domestic Wastewater Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
  - b. The permittee shall submit a closure plan for review and approval to the Domestic Permits Team, Domestic Wastewater Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment or other treatment unit regulated by this permit.
- 4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, or retention of inadequately treated wastewater.
- 5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.
- 6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under TWC §7.302(b)(6).

#### 7. Documentation

For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other information specified as not confidential in 30 TAC §1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

- 8. Facilities that generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.
  - a. Whenever flow measurements for any domestic sewage treatment facility reach 75% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion or upgrading of the domestic wastewater treatment or collection facilities. Whenever the flow reaches 90% of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment or collection facilities. In the case of a domestic wastewater treatment facility that reaches 75% of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 219) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

- b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission, and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.
- c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.
- 9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
- 10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.
- 11. Facilities that generate industrial solid waste as defined in 30 TAC §335.1 shall comply with these provisions:
  - a. Any solid waste, as defined in 30 TAC §335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
  - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
  - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC §335.8(b)(1), to the Corrective Action Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.
  - d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC §335.5.
  - e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
  - f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:
    - i. volume of waste and date(s) generated from treatment process;
    - ii. volume of waste disposed of on-site or shipped off-site;
    - iii. date(s) of disposal;

- iv. identity of hauler or transporter;v. location of disposal site; andvi. method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

12. For industrial facilities to which the requirements of 30 TAC Chapter 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC Code Chapter 361.

TCEQ Revision 05/2021

## **OTHER REQUIREMENTS**

- 1. Violations of daily maximum limitations for the following pollutants shall be reported orally or by facsimile to TCEQ Region 13 within 24 hours from the time the permittee becomes aware of the violation, followed by a written report within five working days to TCEQ Region 13 and Compliance Monitoring Team (MC 224): None.
- 2. There is no mixing zone established for these discharges to intermittent streams. Acute toxic criteria apply at the point of discharge.

## 3. PROHIBITED DISCHARGES

- a. This permit does not authorize the discharge of domestic wastewater. All domestic wastewater must be disposed of in an approved manner, such as routing to an approved on-site septic tank and drainfield system or to an authorized third party for treatment and disposal.
- b. This permit does not authorize the discharge of process wastewater.
- 4. Monitoring results must be provided at the intervals specified in this permit. For pollutants which are monitored annually, effluent reports must be submitted in September of each year. For pollutants which are monitored twice per year, the first effluent report must be submitted six months after the date of plant start-up or discharge, whichever comes first, and subsequent reports every six months thereafter. For pollutants which are monitored four times per year, the first effluent report must be submitted three months after the date of plant start-up or discharge, whichever comes first, and subsequent reports every three months thereafter.
- 5. This permit authorizes use of the following ponds for treatment and disposal. Please note that all dimensions are approximate.

Pond	Capacity	Associated Outfall	Liner
Retention Pond 1	2.88 MG	001	Compacted Clay
Retention Pond 2	8.79 MG	002	Compacted Clay
Quarry Pond	147.33 MG	002	In-Situ Clay

- 6. Wastewaters contained within Retention Ponds 1 and 2 and the Quarry Pond are authorized for on-site reuse for dust suppression activities.
- 7. Overflow discharges associated with a rainfall event that is at least equivalent to a 10-year, 24-hour rainfall event are not required to meet the TSS and pH limits on page 2 of this permit if the overflow occurs from the facilities designed, constructed, and operated to treat the volume of runoff from material storage piles associated with a 10-year, 24-hour rainfall event. The permittee must continue to monitor and report TSS and pH as required on Page 2 of this permit. A 10-year, 24-hour rainfall event is defined as a rainfall event with a probable recurrence interval of once in ten years as defined by the National Weather Service in Technical Paper No. 40, "Rainfall Frequency Atlas of the United States," May 1961, and subsequent amendments, or equivalent regional or state rainfall probability information developed therefrom.
- 8. The permittee shall calculate the temperature rise between the inlet point where water is withdrawn from the storage ponds for use at the facility and each of the discharge points at Outfalls 001 and 002 on days when discharge occurs. The permittee shall calculate the temperature rise by subtracting the inlet temperature value from the outfall temperature value. The facility discharges to water in the state on an extremely infrequent basis. Therefore, temperature monitoring is only required on days when discharge occurs through Outfall 001 or

002. For each outfall, the applicant must subtract the water temperature at the point where water is pumped out of the retention ponds for use (inlet) from the temperature of water discharging through the outfall.

- 9. Wastewater discharged via Outfalls 001 and 002 must be sampled and analyzed as directed below for those parameters listed in Tables 1, 2, and 3 in Attachment A of this permit. Analytical testing for Outfalls 001 and 002 must be completed within 60 days of initial discharge from each outfall. Results of the analytical testing must be submitted within 90 days of initial discharge from each outfall to the TCEQ Industrial Permits Team (MC-148). Based on a technical review of the submitted analytical results, an amendment may be initiated by TCEQ staff to include additional effluent limitations, monitoring requirements, or both.
  - Table 1: Analysis is required for all pollutants in Table 1. Wastewater must be sampled and analyzed for those parameters listed in Table 1 for a minimum of one to a maximum of four separate sampling events. If possible, sampling events should be at least one week apart.
  - Table 2: Analysis is required for those pollutants in Table 2 that are used at the facility that could in any way contribute to contamination in the discharge from Outfalls 001 and 002. Sampling and analysis must be conducted for a minimum of one to a maximum of four separate sampling events. If possible, sampling events should be at least one week apart.
  - Table 3: For all pollutants listed in Table 3, the permittee shall indicate whether each pollutant is believed to be present or absent in the discharge. Sampling and analysis must be conducted for each pollutant believed present for a minimum of one sampling event.

The permittee shall report the flow at Outfalls 001 and 002 in MGD in the attachment. The permittee shall indicate on each table whether the samples are composite (C) or grab (G) by checking the appropriate box.

#### 10. POND REQUIREMENTS

A wastewater pond must comply with the following requirements. A wastewater pond (or lagoon) is an earthen structure used to evaporate, hold, store, or treat water that contains a *waste* or *pollutant* or that would cause *pollution* upon *discharge* as those terms are defined in Texas Water Code §26.001, but does not include a pond that contains only stormwater.

- A. A wastewater pond **subject to 40 CFR Part 257**, **Subpart D** (related to coal combustion residuals) must comply with those requirements in lieu of the requirements in B through G of POND REOUIREMENTS.
- B. An **existing** wastewater pond must be maintained to meet or exceed the original approved design and liner requirements; or, in the absence of original approved requirements, must be maintained to prevent unauthorized discharges of wastewater into or adjacent to water in the state. The permittee shall maintain copies of all liner construction and testing documents at the facility or in a reasonably accessible location and make the information available to the executive director upon request.
- C. A **new** wastewater pond constructed after the issuance date of this permit must be lined in compliance with one of the following requirements if it will contain <u>process wastewater</u> as defined in 40 CFR §122.2. The executive director will review ponds that will contain only <u>non-process wastewater</u> on a case-by-case basis to determine whether the pond must be lined. If a pond will contain only non-process wastewater, the owner shall notify the Industrial Permits Team (MC-148) to obtain a written determination at least 90 days before the pond is placed into service and copy the TCEQ Enforcement Division (MC-219). The permittee must submit all

information about the proposed pond contents that is reasonably necessary for the executive director to make a determination. If the executive director determines that a pond does not need to be lined, then the pond is exempt from C(1) through C(3) and D through G of POND REQUIREMENTS.

A wastewater pond that <u>only contains domestic wastewater</u> must comply with the design requirements in 30 TAC Chapter 217 and 30 TAC §309.13(d) in lieu of items C(1) through C(3) of this subparagraph.

- (1) <u>Soil liner</u>: The soil liner must contain clay-rich soil material (at least 30% of the liner material passing through a #200 mesh sieve, liquid limit greater than or equal to 30, and plasticity index greater than or equal to 15) that completely covers the sides and bottom of the pond. The liner must be at least 3.0 feet thick. The liner material must be compacted in lifts of no more than 8 inches to 95% standard proctor density at the optimum moisture content in accordance with ASTM D698 to achieve a permeability less than or equal to 1 × 10-7 (≤ 0.0000001) cm/sec. For in-situ soil material that meets the permeability requirement, the material must be scarified at least 8 inches deep and then re-compacted to finished grade.
- (2) <u>Synthetic membrane</u>: The liner must be a synthetic membrane liner at least 40 mils in thickness that completely covers the sides and the bottom of the pond. The liner material used must be compatible with the wastewater and be resistant to degradation (e.g., from ultraviolet light, chemical reactions, wave action, erosion, etc.). The liner material must be installed and maintained in accordance with the manufacturer's guidelines. A wastewater pond with a synthetic membrane liner must include an underdrain with a leak detection and collection system.
- (3) <u>Alternate liner</u>: The permittee shall submit plans signed and sealed by a Texas-licensed professional engineer for any other equivalently protective pond lining method to the Industrial Permits Team (MC-148) and copy the Compliance Monitoring Team (MC-224).
- D. For a pond that must be lined according to subparagraph C (including ponds with in-situ soil liners), the permittee shall provide certification, signed and sealed by a Texas-licensed professional engineer, stating that the completed pond lining and any required underdrain with leak detection and collection system for the pond meet the requirements in subparagraph C(1) C(3) before using the pond. The certification shall include the following minimum details about the pond lining system: (1) pond liner type (in-situ soil, amended in-situ soil, imported soil, synthetic membrane, or alternative), (2) materials used, (3) thickness of materials, and (4) either permeability test results or a leak detection and collection system description, as applicable.

The certification must be provided to the TCEQ Water Quality Assessment Team (MC-150), Industrial Permits Team (MC-148), Compliance Monitoring Team (MC-224) and regional office. A copy of the liner certification and construction details (i.e., as-built drawings, construction QA/QC documentation, and post construction testing) must be kept on-site or in a reasonably accessible location (in either hardcopy or digital format) until the pond is closed.

- E. Protection and maintenance requirements for a pond subject to subparagraph B or C (including ponds with in-situ soil liners).
  - (1) The permittee shall maintain a liner to prevent the unauthorized discharge of wastewater into or adjacent to water in the state.
  - (2) A liner must be protected from damage caused by animals. Fences or other protective devices or measures may be used to satisfy this requirement.

- (3) The permittee shall maintain the structural integrity of the liner and shall keep the liner and embankment free of woody vegetation, animal burrows, and excessive erosion.
- (4) The permittee shall inspect each pond liner and each leak detection system at least once per month. Evidence of damage or unauthorized discharge must be evaluated by a Texaslicensed professional engineer or Texas-licensed professional geoscientist within 30 days. The permittee is not required to drain an operating pond or to inspect below the waterline during these routine inspections.
  - a. A Texas-licensed professional engineer or Texas-licensed professional geoscientist must evaluate damage to a pond liner, including evidence of an unauthorized discharge without visible damage.
  - b. Pond liner damage must be repaired at the recommendation of a Texas-licensed professional engineer or Texas-licensed professional geoscientist. If the damage is significant or could result in an unauthorized discharge, then the repair must be documented and certified by a Texas-licensed professional engineer. Within 60 days after a repair is completed, the liner certification must be provided to the TCEQ Water Quality Assessment Team (MC-150), Compliance Monitoring Section (MC-224), and regional office. A copy of the liner certification must be maintained at the facility or in a reasonably accessible location and made available to the executive director upon request.
  - c. A release determination and subsequent corrective action will be based on 40 CFR Part 257 or the Texas Risk Reduction Program (30 TAC Chapter 350), as applicable. If evidence indicates that an unauthorized discharge occurred, including evidence that the actual permeability exceeds the design permeability, the matter may also be referred to the TCEQ Enforcement Division to ensure the protection of the public and the environment.
- F. For a pond subject to subparagraph B or C (including ponds with in-situ soil liners), the permittee shall have a Texas-licensed professional engineer perform an evaluation of each pond that requires a liner at least once every five years. The evaluation must include: (1) a physical inspection of the pond liner to check for structural integrity, damage, and evidence of leaking; (2) a review of the liner documentation for the pond; and (3) a review of all documentation related to liner repair and maintenance performed since the last evaluation. For the purposes of this evaluation, evidence of leaking also includes evidence that the actual permeability exceeds the design permeability. The permittee is not required to drain an operating pond or to inspect below the waterline during the evaluation. A copy of the engineer's evaluation report must be maintained at the facility or in a reasonably accessible location and made available to the executive director upon request.
- G. For a pond subject to subparagraph B or C (including ponds with in-situ soil liners), the permittee shall maintain at least 2.0 feet of freeboard in the pond except when:
  - (1) the freeboard requirement temporarily cannot be maintained due to a large storm event that requires the additional retention capacity to be used for a limited period of time;
  - (2) the freeboard requirement temporarily cannot be maintained due to upset plant conditions that require the additional retention capacity to be used for treatment for a limited period of time; or
  - (3) the pond was not required to have at least 2.0 feet of freeboard according to the requirements at the time of construction.

## 11. COOLING WATER INTAKE STRUCTURE REQUIREMENTS

The permittee shall provide written notification to the TCEQ Industrial Permits Team (MC 148), Enforcement Division (MC 219), and Region 13 Office of any change in procedure or facility modification which alters the method by which the facility obtains water for cooling purposes. This notification must be submitted 30 days prior to any such change and must include a description of the planned changes. The TCEQ may, upon review of the notification, reopen the permit to include additional terms and conditions as necessary.

TPDES Permit No. WQ0001510000

## **Attachment A**

**Table 1 – Conventionals and Non-conventionals** 

Outfall No.: \Bigcup C \Bigcup G		Effluent Concentration (mg/L)			
Pollutant	Samp.	Samp.	Samp.	Samp.	Average
Flow (MGD)					
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					
Total Dissolved Solids					
Sulfate					
Chloride					
Fluoride					
Total Alkalinity (mg/L as CaCO <sub>3</sub> )					
Temperature (°F)					
pH (Standard Units; min/max)					

Table 2 – Metals

Pollutant		<b>L)</b> <sup>1</sup>	$\mathbf{MAL}^2$			
1 Onutant	Samp.	Samp.	Samp.	Samp.	Average	(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, Free						10
Lead, Total						0.5
Mercury, Total						0.005
Nickel, Total						2
Selenium, Total						5
Silver, Total						0.5
Thallium, Total						0.5
Zinc, Total						5.0

Indicate units if different than  $\mu g/L$ . Minimum Analytical Level

Table 3 – Toxic Pollutants with Water Quality Criteria

Outfall No.: \Bigcup C \Bigcup G	Samp. 1	Samp. 2	Samp. 3	Samp. 4	Avg.	MAL
Pollutant	(μg/L) <sup>1</sup>	(µg/L)				
Acrolein						0.7
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						10
Bromoform						10
Carbon Tetrachloride						2
Chlorobenzene						10
Chlorodibromomethane						10
Chloroform						10
Chrysene						5
Cresols						10
1,2-Dibromoethane						10
<i>m</i> -Dichlorobenzene						10
o-Dichlorobenzene						10
<i>p</i> -Dichlorobenzene						10
3,3'-Dichlorobenzidine						5
1,2-Dichloroethane						10
1,1-Dichloroethylene						10
Dichloromethane						20
1,2-Dichloropropane						10
1,3-Dichloropropylene						10
2,4-Dimethylphenol						10
Di- <i>n</i> -Butyl Phthalate						10
Epichlorohydrin						1,000
Ethylbenzene						10
Ethylene Glycol						_
Fluoride						500
Hexachlorobenzene						5
Hexachlorobutadiene						10
Hexachlorocyclopentadiene						10
Hexachloroethane						20
4,4'-Isopropylidenediphenol [bisphenol A]						_

 $<sup>^{\</sup>scriptscriptstyle 1}$   $\,$   $\,$  Indicate units if different than  $\mu g/L.$ 

Outfall No.:	$\Box$ C $\Box$ G	Samp. 1	Samp. 2	Samp. 3	Samp. 4	Avg.	MAL
Pollutant		(μg/L) <sup>1</sup>	(μg/L)				
Methyl Ethyl							50
Ketone							50
Methyl <i>tert</i> -butyl [MTBE]	ether						-
Nitrobenzene							10
N-Nitrosodiethyla	amine						20
N-Nitroso-di-n-B	utylamine						20
Nonylphenol							333
Pentachlorobenze	ene						20
Pentachlorophen	ol						5
Phenanthrene							10
Polychlorinated E (PCBs) <sup>2</sup>	Biphenyls						0.2
Pyridine							20
1,2,4,5-Tetrachlor	robenzene						20
1,1,2,2-Tetrachlor	roethane						10
Tetrachloroethyle	ene						10
Toluene							10
1,1,1-Trichloroeth	ane						10
1,1,2-Trichloroeth	nane						10
Trichloroethylene	9						10
2,4,5-Trichloroph	nenol						50
TTHM (Total Trihalomethanes)	)						10
Vinyl Chloride							10

Indicate units if different than  $\mu g/L$ . Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, PCB-1016. If all values are non-detects, enter the highest non-detect preceded by a "<" symbol.

### STATEMENT OF BASIS/TECHNICAL SUMMARY AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

#### DESCRIPTION OF APPLICATION

Applicant: Capitol Aggregates, Inc.; Texas Pollutant Discharge Elimination System

(TPDES) Permit No. WQ0001510000 (EPA I.D. No. TX0030040)

Regulated activity: Industrial wastewater permit

Type of application: Renewal

Request: Renewal without changes

Authority: Federal Clean Water Act (CWA) §402; Texas Water Code (TWC) §26.027;

30 Texas Administrative Code (TAC) Chapter 305, Subchapters C-F, and Chapters 307 and 319; commission policies; and Environmental Protection

Agency (EPA) guidelines

#### EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit will expire at midnight, five years from the date of permit issuance according to the requirements of 30 TAC §305.127(1)(C)(i).

#### REASON FOR PROJECT PROPOSED

The applicant applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of its existing permit.

#### PROJECT DESCRIPTION AND LOCATION

The applicant currently operates Capitol Aggregates Cement Plant, a facility that manufactures portland and masonry cement. Industrial activities at the site include limestone quarrying, raw material storage and grinding, one operating cement manufacturing kiln, three 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.

Wastewater generated at 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. Wastewater from these sources is not typically discharged directly to water in the state but may commingle and discharge with stormwater on an intermittent and flow-variable basis.

Stormwater runoff from process and non-process areas of the facility and all other wastewaters are routed to Retention Pond 1, Retention Pond 2, and the Quarry Pond. Wastewater and stormwater collected in these ponds is normally recycled or reused at the facility. When a discharge does occur, wastewater is discharged from Retention Pond 1 via Outfall 001 and from Retention Pond 2 and the Quarry Pond via Outfall 002. Stormwater runoff from process areas of the facility includes runoff from material storage piles and from the primary crusher. Stormwater runoff from non-process areas of the facility comes from areas of the facility where non-process industrial activity occurs. Vehicle and plant washdown water and used for dust suppression on roads and material storage piles may commingle with the stormwater and are routed to Retention Ponds 1 and 2 and the Quarry Pond. Cooling tower blowdown and air compressor condensate drain to the ground within the watershed of Retention Ponds 1 and 2. Beyond sedimentation settling at Retention Pond 1 and 2, no additional treatment is

provided to wastewater that is discharged. Most wastewater captured in Retention Ponds 1 and 2 is recycled as dust suppression water for roads and stockpiles or as washdown water for vehicles and in the plant. Discharges from Outfalls 001 and 002 are intermittent and flow-variable, typically caused by precipitation greater than a 10-year, 24-hour rainfall event.

Process wastewater from cement manufacturing is not authorized for discharge at this facility (discharge of process wastewater is prohibited under Other Requirement No. 3 of the existing permit and carried forward to the draft permit). Other wastewater associated with the industrial activities is recycled or reused within the site and does not typically discharge into water in the state. Domestic wastewater is routed directly to San Antonio Water System (TCEQ Permit WQ0010137003) for treatment and disposal.

The facility is located at 11551 Nacogdoches Road, in the City of San Antonio, Bexar County, Texas 78217.

#### **Discharge Routes and Designated Uses**

The effluent is discharged via Outfalls 001 and 002 to two unnamed intermittent tributaries of Salado Creek, thence to Salado Creek in Segment No. 1910 of the San Antonio River Basin. The unclassified receiving water use is minimal aquatic life use for the unnamed tributaries. The designated uses for Segment No. 1910 are primary contact recreation, public water supply, aquifer protection, and high aquatic life use. The effluent limits in the draft permit will maintain and protect the existing instream uses. All determinations are preliminary and subject to additional review and revisions.

#### **Endangered Species Review**

The discharge from this permit is not expected to have an effect on any federal endangered or threatened aquatic or aquatic-dependent species or proposed species or their critical habitat. This determination is based on the United States Fish and Wildlife Service's (USFWS) biological opinion on the State of Texas authorization of the TPDES program (September 14, 1998; October 21, 1998 update). To make this determination for TPDES permits, TCEQ and the EPA only considered aquatic or aquatic-dependent species occurring in watersheds of critical concern or high priority as listed in Appendix A of the USFWS's biological opinion.

Though the San Marcos Salamander (*Eurycea nana*), Comal Springs Dryopid Beetle (*Stygoparnus comalensis*), and Peck's Cave Amphipod (*Stygobromus pecki*) can occur in Bexar County, the discharge is not to a watershed of high priority per Appendix A of the USFWS biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. The permit does not require EPA review with respect to the presence of endangered or threatened species.

#### **Impaired Water Bodies**

Segment No. 1910 is currently listed on the state's inventory of impaired and threatened waters, the 2024 CWA §303(d) list. This listing is for impaired fish community and impaired macrobenthic community in water from the confluence with Rosillo Creek up to the confluence with Pershing Creek (Assessment Unit 1910\_02).

This permit action is a renewal that will not increase the loadings of any pollutants already permitted for discharge at Outfall 001 and 002. Infrequent discharges from Outfalls 001 and 002 are unlikely to have any negative impact on the receiving segment.

#### **Completed Total Maximum Daily Loads (TMDLs)**

On October 12, 2001, the TCEQ adopted *One Total Maximum Daily Load for Dissolved Oxygen in Salado Creek*. The U.S. Environmental Protection Agency (USEPA) approved the TMDL on August 8,

2003. The TMDL determined that there is additional assimilative capacity in Salado Creek for oxygendemanding constituents beyond the constituents currently authorized for discharge in the watershed. Since no load reductions are required for existing wastewater discharge facilities, no specific TMDL related permit conditions are required at this time.

On August 8, 2007, the TCEQ adopted *Three Total Maximum Daily Loads for Bacteria in the San Antonio Area for Segment Numbers 1910, 1910A, and 1911*. The EPA approved the TMDL on April 21, 2009. This document describes a project developed to address water quality impairments related to bacteria for three streams located in and around the City of San Antonio: Salado Creek, Segment 1910; Walzem Creek, Segment 1910A; and the Upper San Antonio River, Segment 1911. No action has been taken to regulate discharges of bacteria through this draft permit because the facility discharges on an extremely infrequent basis and has no known sources of concern for bacteria in its process. Domestic wastewater generated at the facility is routed to the San Antonio Water System for final treatment and disposal.

#### **Dissolved Oxygen**

Due to the low levels of oxygen-demanding constituents expected from this type of waste stream, no significant dissolved oxygen depletion is anticipated in the receiving waters as a result of this discharge.

#### **SUMMARY OF EFFLUENT DATA**

Self-reporting data is not available because the facility has not discharged since the permit issuance on March 31, 2020.

#### DRAFT PERMIT CONDITIONS

The draft permit authorizes the discharge of material storage pile runoff, 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, including stormwater runoff from process and non-process areas, on an intermittent and flow-variable basis via Outfalls 001 and 002.

Effluent limitations are established in the draft permit as follows:

Outfall	Pollutant	Daily Average	Daily Maximum
Outian	Fonutant	mg/L	mg/L
001	Flow, million gallons per day (MGD)	Report, MGD	Report, MGD
	Total Suspended Solids (TSS)	N/A	50
	Chemical Oxygen Demand (COD)	N/A	250
	Inlet Temperature, °F	Report, °F	Report, °F
	Outfall Temperature, °F	Report, °F	Report, °F
	Temperature Rise, °F	N/A	5.5 °F
	pH, standard unit (SU)	6.0 SU (minimum)	9.0 SU
002	Flow, MGD	Report, MGD	Report, MGD
	TSS	N/A	50
	COD	N/A	250
	Inlet Temperature, °F	Report, °F	Report, °F
	Outfall Temperature, °F	Report, °F	Report, °F
	Temperature Rise, °F	N/A	5.5 °F
	pH, SU	6.0 SU (minimum)	9.0 SU

#### **OUTFALL LOCATIONS**

Outfall	Latitude	Longitude
001	29.541964 N	98.421866 W
002	29.545365 N	98.4284 W

#### **Technology-Based Effluent Limitations**

Regulations in Title 40 of the Code of Federal Regulations (40 CFR) require that technology-based limitations be placed in wastewater discharge permits based on effluent limitations guidelines, where applicable, or on best professional judgment (BPJ) in the absence of guidelines. Development of technology-based effluent limitations is presented in Appendix A.

The application identifies this facility as a non-leaching category facility, which has effluent limitation guidelines in 40 CFR Part 411 - Cement Manufacturing Point Source Category, Subpart A – Non-leaching Subcategory. Non-leaching cement manufacturers process several mineral ingredients (limestone or other natural sources of calcium carbonate, silica, alumina, and iron together with gypsum) without the use of water in their integral processes. Non-leaching manufacturers also operate without the use of water in wet scrubbers to control kiln stack emissions. According to Technical Report 1.0 in the application package, Capitol Aggregates reports no discharge of water will originate from cement production or wet scrubbers, so the facility has been identified as a non-leaching cement manufacturer. Per 40 CFR Part 411 Subpart A, mass-based effluent limitations were calculated for the facility's average daily production of 2,152 tons of cement production per day. However, concentration based effluent limitations were deemed to be more appropriate for the facility's discharges, which are intermittent, flow-variable, and primarily stormwater.

In addition, 40 CFR Part 411 - Cement Manufacturing Point Source Category, Subpart C - Materials Storage Pile Runoff Subcategory applies to this facility because the facility contains material storage piles. Effluent limitations for COD at Outfalls 001 and 002 have been continued from the existing permit in accordance with the EPAs anti-backsliding rules in 40 CFR §122.44(l)(1). Reporting requirements for flow are continued in accordance with rules in 40 CFR §122.44(l)(1)(ii) and the anti-backsliding rules in 40 CFR §122.44(l)(1).

#### **Water Quality-Based Effluent Limitations**

Calculations of water quality-based effluent limitations for the protection of aquatic life and human health are presented in Appendix B. Aquatic life criteria established in Table 1 and human health criteria established in Table 2 of 30 TAC Chapter 307 are incorporated into the calculations, as are recommendations in the Water Quality Assessment Team's memorandum dated April 1, 2025. TCEQ practice for determining significant potential is to compare the reported analytical data from the facility against percentages of the calculated daily average water quality-based effluent limitation. Permit limitations are required when analytical data reported in the application exceeds 85 percent of the calculated daily average water quality-based effluent limitation. Monitoring and reporting is required when analytical data reported in the application exceeds 70 percent of the calculated daily average water quality-based effluent limitation.

No discharge data is available to perform water quality-based effluent screening and limit calculations because the facility has not reported discharge data from Outfall 001 since January 2010 and Outfall 002 since July 2019. Because no discharge occurred from September 2019 through August 2024, the input variables to calculate water quality-based effluent limitations were left unchanged from the 2019 permit renewal.

TCEQ is continuing Other Requirement No. 9 in the permit renewal, which includes a re-test requirement, requiring the applicant to sample for and submit analytical results of the first available discharge that occurs via Outfall 001 or 002, to ensure the discharge is compliant with the water quality-based effluent limitations calculated for this facility.

#### Total Dissolved Solids (TDS), Chloride, and Sulfate Screening

No discharge data was submitted with the application to perform a screening for total dissolved solids, chloride, or sulfate because the facility discharges very infrequently. Screening procedures and effluent limitations for total dissolved solids, chloride, and sulfate are calculated using the methodology in the *Procedures to Implement the Texas Surface Water Quality Standards*, June 2010, and criteria in 30 TAC Chapter 307: Texas Surface Water Quality Standards.

Other Requirement No. 9 in the draft permit requires the applicant to submit analytical data for pollutants listed in Attachment A of the draft permit, including total dissolved solids, chloride, and sulfate. Screening for total dissolved solids, chloride, and sulfate will be conducted when the analytical data is submitted. An amendment may be initiated by TCEQ staff to include effluent limits, monitoring requirements, or both based on the results of the screening.

#### pH Screening

The existing permit includes pH limits of 6.0 – 9.0 SU at Outfalls 001 and 002, which discharge into unclassified water bodies. Consistent with the procedures for pH screening that were submitted to EPA with a letter dated May 28, 2014, and approved by EPA in a letter dated June 2, 2014, requiring a discharge to an unclassified water body to meet pH limits of 6.0 – 9.0 standard units reasonably ensures instream compliance with *Texas Surface Water Quality Standards* pH criteria. The existing limits have been carried forward in the draft permit.

#### 316(b) Cooling Water Intake Structures

The facility obtains water for cooling purposes from a groundwater well located on facility property. Groundwater is not considered waters of the United States (WOTUS), and the facility does not own and operate a cooling water intake structure which withdraws from a WOTUS or other waters that may be considered WOTUS. Obtaining water from a groundwater source for cooling purposes does not constitute the use of a cooling water intake structure; therefore, the facility is not subject to Section 316(b) of the CWA or 40 CFR Part 125, Subpart J.

#### Whole Effluent Toxicity Testing (Biomonitoring)

The existing permit did not establish biomonitoring requirements and discharges authorized by this permit do not meet the threshold established in the *Procedures to Implement the Texas Surface Water Quality Standards* (RG-194) to impose biomonitoring requirements.

#### SUMMARY OF CHANGES FROM APPLICATION

The following changes were made from the application.

1. Based on additional information received on October 15, 2025, contact information for Capitol Aggregates, Inc. has been updated since the application was received on September 24, 2024. Mr. Andrew Frye, Director of Environmental Affairs, has been replaced with Zachary

McMahon, Environmental Specialist, as the technical and administrative contact for this permit.

2. Mason Vanderweele was added as an additional contact for the permit.

#### SUMMARY OF CHANGES FROM EXISTING PERMIT

The following additional changes have been made to the draft permit.

- 1. Pages 3-13 were updated (May 2021 version).
- 2. Other Requirement No. 3 was updated to be consistent with prohibitions for domestic wastewater in TPDES permits.
- 3. The existing Other Requirement No. 10 was revised to reflect changes indicated in the renewal application. The capacity of Retention Pond 1 decreased from 6.2 to 2.88 million gallons (MG). Retention Pond 2's capacity decreased from 16.9 MG to 8.79 MG. Quarry Pond's capacity increased from 87.7 MG to 147.33 MG.

#### BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

- 1. Application received on September 24, 2024, and additional information received on October 22, 2024, and October 15, 2025.
- 2. Existing permits: TPDES Permit No. WQ0001510000 issued on March 31, 2020.
- 3. Waste Load Evaluation for Segment No. 1910.
- 4. TCEQ Rules.
- 5. *Texas Surface Water Quality Standards* 30 TAC §§307.1-307.10, effective March 1, 2018, as approved by EPA Region 6.
- 6. *Texas Surface Water Quality Standards* 30 TAC §§307.1-307.10, effective March 6, 2014, as approved by EPA Region 6, for portions of the 2018 standards not approved by EPA Region 6.
- 7. *Texas Surface Water Quality Standards* 30 TAC §§307.1-307.10, effective July 22, 2010, as approved by EPA Region 6, for portions of the 2014 standards not approved by EPA Region 6.
- 8. *Texas Surface Water Quality Standards* 30 TAC §§307.1-307.10, effective August 17, 2000, and Appendix E, effective February 27, 2002, for portions of the 2010 standards not approved by EPA Region 6.
- 9. Procedures to Implement the Texas Surface Water Quality Standards (IPs), Texas Commission on Environmental Quality, June 2010, as approved by EPA Region 6.
- 10. Procedures to Implement the Texas Surface Water Quality Standards, Texas Commission on Environmental Quality, January 2003, for portions of the 2010 IPs not approved by EPA Region 6.
- 11. Memos from the Standards Implementation Team and Water Quality Assessment Team of the Water Quality Assessment Section of the TCEQ.
- 12. Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits, TCEQ Document No. 98-001.000-OWR-WQ, May 1998.
- 13. EPA Effluent Guidelines: 40 CFR 411 (BAT, BCT, and BPT). A new source determination was performed and the discharge of is not a new source as defined at 40 CFR §122.2.
- 14. Letter dated May 28, 2014, from L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ, to Bill Honker, Director, Water Quality Protection Division, EPA (TCEQ proposed development strategy for pH evaluation procedures).

- 15. Letter dated June 2, 2014, from William K. Honker, P.E., Director, Water Quality Protection Division, EPA, to L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ (Approval of TCEQ proposed development strategy for pH evaluation procedures).
- 16. Letter dated April 29, 2014, from L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ, to Bill Honker, Director, Water Quality Protection Division, EPA (TCEQ proposed development strategy for thermal evaluation procedures)
- 17. Letter dated May 12, 2014, from William K. Honker, P.E., Director, Water Quality Protection Division, EPA, to L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ (Approval of TCEQ proposed development strategy for thermal evaluation procedures).
- 18. General Guidance Industrial Permits: Uncontaminated Stormwater Runoff, EPA, January 1997.

#### PROCEDURES FOR FINAL DECISION

When an application is declared administratively complete, the chief clerk sends a letter to the applicant advising the applicant to publish the Notice of Receipt of Application and Intent to Obtain Permit in the newspaper. In addition, the Chief Clerk instructs the applicant to place a copy of the application in a public place for reviewing and copying in the county where the facility is or will be located. This application will be in a public place throughout the comment period. The Chief Clerk also mails this notice to any interested persons and, if required, to landowners identified in the permit application. This notice informs the public about the application and provides that an interested person may file comments on the application or request a contested case hearing or a public meeting.

Once a draft permit is completed, it is sent to the Chief Clerk, along with the Executive Director's preliminary decision contained in the technical summary or fact sheet. At that time, the Notice of Application and Preliminary Decision will be mailed to the same people and published in the same newspaper as the prior notice. This notice sets a deadline for making public comments. The applicant must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application.

Any interested person may request a public meeting on the application until the deadline for filing public comments. A public meeting is intended for the taking of public comment and is not a contested case hearing.

After the public comment deadline, the Executive Director prepares a response to all significant public comments on the application or the draft permit raised during the public comment period. The Chief Clerk then mails the Executive Director's response to comments and final decision to people who have filed comments, requested a contested case hearing, or requested to be on the mailing list. This notice provides that if a person is not satisfied with the Executive Director's response and decision, they can request a contested case hearing or file a request to reconsider the Executive Director's decision within 30 days after the notice is mailed.

The Executive Director will issue the permit unless a written hearing request or request for reconsideration is filed within 30 days after the Executive Director's response to comments and final decision is mailed. If a hearing request or request for reconsideration is filed, the Executive Director will not issue the permit and will forward the application and request to the TCEQ commissioners for their consideration at a scheduled commission meeting. If a contested case hearing is held, it will be a legal proceeding similar to a civil trial in state district court.

If the Executive Director calls a public meeting or the commission grants a contested case hearing as described above, the commission will give notice of the date, time, and place of the meeting or hearing. If a hearing request or request for reconsideration is made, the commission will consider all public

comments in making its decision and shall either adopt the Executive Director's response to public comments or prepare its own response.

For additional information about this application, contact Brody Loomis at (512) 239-5724.

Brody Loomís	October 15, 2025
Brody Loomis	Date

#### Appendix A Calculated Technology-Based Effluent Limits

According to the application, the discharge primarily consists of stormwater runoff (80% Outfall 001 and 99% Outfall 002) and a small amount (20% Outfall 001 and 1% Outfall 002) of other wastewater associated with the industrial activities at the site. The draft permit authorizes the discharge of material storage pile runoff, 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, including stormwater runoff from process and non-process areas, via Outfall 001 and 002. Process wastewater from cement manufacturing is not authorized for discharge at this facility (discharge of process wastewater is prohibited under Other Requirement No. 3 of the draft permit). Other wastewater (which only accounts for 20% and 1% of discharge at Outfall 001 and 002, respectively) associated with the industrial activities is recycled or reused within the site and does not typically discharge to water in the state. However, wastewater associated with the industrial activities may commingle and discharge with stormwater on an infrequent basis during larger storm events.

The application identifies this facility as a non-leaching category facility, which has effluent limitations guidelines in 40 CFR Part 411 - Cement Manufacturing Point Source Category, Subpart A – Non-leaching Subcategory. In addition, 40 CFR Part 411 - Cement Manufacturing Point Source Category, Subpart C - Materials Storage Pile Runoff Subcategory applies to this facility because the facility contains material storage piles. The facility is not a new source, as defined in 40 CFR §122.2. Therefore, new source performance standards were not considered during the development of this draft permit.

Effluent limitations applicable to the discharge of wastewater at Outfalls 001 and 002:

#### 40 CFR §411.12 – Effluent Limitations, BPT

40 01 11 341111	Elliacit Ellintations, Bi I	
Parameter	Daily Average	Daily Maximum
TSS	N/A	0.005 lbs / 1,000 lbs of product
Temperature	not to exceed 3 °C rise	above inlet temperature
pН	between 6.0 SU and 9	.o SU.

#### TSS Limitation calculation:

Production data from the facility: 2,152 tons of product per day Daily TSS limit: 0.005 lbs / 1,000 lbs of product

Conversion factors: 1 ton = 2,000 lbs

#### Calculations:

$$2,152 \frac{tons \ product}{day} \times 2,000 \frac{lbs \ product}{ton \ product} = \mathbf{4,304,000} \frac{lbs \ product}{day}$$

$$4,304,000 \frac{lbs \ product}{day} \times \frac{1}{1,000} \frac{thous and \ lbs \ product}{lb \ product} = \mathbf{4,304} \frac{thous and \ lbs \ product}{day}$$

$$4,304 \frac{thous and \ lbs \ product}{day} \times 0.005 \frac{lbs \ TSS}{thous and \ lb \ product} = \mathbf{21.52} \frac{lbs \ TSS}{day}$$

**Temperature:** The temperature rise between the inlet and the outfall shall not be greater than 3 °C (5.5 °F). The facility discharges to water in the state on an extremely infrequent basis. Therefore, temperature monitoring is only required on days when discharge occurs through Outfall 001 or 002. For each outfall, the applicant must subtract the water temperature at the point where water is pumped out of the retention ponds for use (inlet) from the temperature of water discharging through the outfall.

### 40 CFR §411.13 – Effluent Limitations, BAT Parameter

Temperature not to exceed 3 °C rise above inlet temperature

The effluent limitations guidelines for best available technology in 40 CFR §411.13 are equivalent to the temperature guidelines for best practicable technology in 40 CFR §411.12.

#### 40 CFR §411.17 – Effluent Limitations, BCT

Parameter	Daily Average	Daily Maximum
TSS	N/A	0.005 lbs / 1,000 lbs of product
pН	between 6.0 SU and 9	.o SU

The effluent limitations guidelines for best conventional technology in 40 CFR §411.17 are equivalent to the total suspended solids and pH guidelines for best practicable technology in 40 CFR §411.12.

**40 CFR §411.31 – Definitions:** The term 10-year, 24-hour rainfall event shall mean a rainfall event with a probable recurrence interval of once in ten years as defined by the National Weather Service in Technical Paper No. 40, *Rainfall Frequency Atlas of the United States*, May 1961, and subsequent amendments, or equivalent regional or state rainfall probability information developed therefrom.

#### 40 CFR §411.32 - Effluent Limitations, BPT

Parameter	Daily Average	Daily Maximum
TSS	N/A	50 mg/L <sup>1</sup>
pH	between 6.0 SU and 9.	.0 SU1

#### 40 CFR §411.37 - Effluent Limitations, BCT

Parameter	Daily Average	Daily Maximum
TSS	N/A	50 mg/L <sup>1</sup>
рH	between 6.0 SU and 9	0.0 SU <sup>1</sup>

The effluent limitations guidelines for best conventional technology in 40 CFR §411.37 are equivalent to effluent limitations guidelines for best practicable technology in 40 CFR §411.32.

#### **Additional Effluent Limitations Based on BPJ**

Parameter	Daily Average	Daily Maximum	Single Grab
TSS	N/A	N/A	75 mg/L <sup>1</sup>
COD	N/A	250 mg/L	250 mg/L

<sup>&</sup>lt;sup>1</sup> This effluent limitation does not apply to discharges directly resulting from a rainfall event equal to or greater than a 10-year, 24-hour rainfall event if those discharges are caused by overflow from facilities designed, constructed, and operated to treat the volume of runoff from material storage piles associated with a 10-year, 24-hour rainfall event. See Other Requirement No. 7.

The additional effluent limitations above were included in previous permits based on BPJ, and have been continued in the draft permit based on the anti-backsliding rules in 40 CFR §122.44(l)(1). No additional effluent limitations based on BPJ have been added to the draft permit.

#### **Other Factors Considered**

Discharges from this facility, when they occur, consist primarily (80% Outfall 001 and 99% Outfall 002) of stormwater and contain a small amount (20% Outfall 001 and 1% Outfall 002) of other wastewater associated with the industrial activities at the site. This facility captures stormwater and other wastewater in retention ponds and recycles or reuses the water at the site. The practice of capturing wastewater for recycling or reuse is an industry best practice (see the EPA's *Development Document for Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Cement Manufacturing Industry*, August 1973). However, this practice makes it impractical to separately monitor TSS contributed by stormwater runoff from material storage piles (regulated in 40 CFR §411.32) from TSS contributed by other activities at the site (regulated in 40 CFR §8411.12 and 411.17) on the rare occasions when discharge to water in the state actually occurs.

For this draft permit, the concentration-based TSS limit from 40 CFR §411.32 has been given priority over the mass-based limit from 40 CFR §\$411.12 and 411.17. The mass-based approach is appropriate for facilities that discharge on a daily or continuous basis, where stormwater-related discharges can be distinguished from other pollutant sources. However, the concentration-based approach is more appropriate for this facility because (1) the facility employs industry best practices, (2) the resulting discharges are stormwater-driven, (3) the EPA's development document identifies leachate from kiln dust and coal storage piles as the most significant pollutant sources for the industry, and (4) the concentration-based limits in 40 CFR §411.32 were designed to address leachate from kiln dust and coal storage piles during storm events.

#### **Comprehensive Recommendation for Technology-Based Limits**

Parameter	Daily Average	Daily Maximum	Single Grab		
TSS	N/A	50 mg/L 1	50 mg/L 1		
COD	N/A	250 mg/L	250 mg/L		
Temperature	not to exceed 5.5 °F rise above inlet temperature				
pH	between 6.0 SU and 9.0 SU 1				

<sup>&</sup>lt;sup>1</sup> This effluent limitation does not apply to discharges directly resulting from a rainfall event equal to or greater than a 10-year, 24-hour rainfall event if those discharges are caused by overflow from facilities designed, constructed, and operated to treat the volume of runoff from material storage piles associated with a 10-year, 24-hour rainfall event. See Other Requirement No. 7.

#### Appendix B Calculated Water Quality-Based Effluent Limits

### TEXTOX MENU #2 - INTERMITTENT STREAM WITHIN 3 MILES OF A FRESHWATER PERENNIAL STREAM/RIVER

The water quality-based effluent limitations developed below are calculated using:

Table 1, 2014 Texas Surface Water Quality Standards (30 TAC 307) for Freshwater Aquatic Life Table 2, 2018 Texas Surface Water Quality Standards for Human Health

"Procedures to Implement the Texas Surface Water Quality Standards," TCEQ, June 2010

#### PERMIT INFORMATION

Permittee Name:	Capitol Aggregates, Inc.
TPDES Permit No.:	WQ0001510000
Outfall No.:	001 and 002
Prepared by:	Brody Loomis
Date:	October 13, 2025

#### DISCHARGE INFORMATION

DISCHARGE INFORMATION	
Intermittent Receiving Waterbody:	unnamed tributaries
Perennial Stream/River within 3 Miles:	Salado Creek
Segment No.:	1910
TSS (mg/L):	2
pH (Standard Units):	7.2
Hardness (mg/L as CaCO <sub>3</sub> ):	212
Chloride (mg/L):	47
Effluent Flow for Aquatic Life (MGD):	3.3
Critical Low Flow [7Q2] (cfs) for intermittent:	0
Critical Low Flow [7Q2] (cfs) for perennial:	0.1
% Effluent for Chronic Aquatic Life (Mixing	
Zone):	98.08
% Effluent for Acute Aquatic Life (ZID):	100
Effluent Flow for Human Health (MGD):	2.6
Harmonic Mean Flow (cfs) for perennial:	0.2
% Effluent for Human Health:	95.264
Human Health Criterion (select: PWS, FISH, or	
INC)	PWS

#### CALCULATE DISSOLVED FRACTION (AND ENTER WATER EFFECT RATIO IF APPLICABLE):

Stream/River Metal	Intercept (b)	Slope (m)	Partition Coefficien t (Kp)	Dissolve d Fraction (Cd/Ct)	Source	Water Effect Ratio (WER)	Source
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
			288567.9				
Arsenic	5.68	-0.73	6	0.634		1.00	Assumed
			1819014.				
Cadmium	6.60	-1.13	27	0.216		1.00	Assumed
			1737969.				
Chromium (total)	6.52	-0.93	31	0.223		1.00	Assumed
			1737969.				
Chromium (trivalent)	6.52	-0.93	31	0.223		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
			626957.0				
Copper	6.02	-0.74	7	0.444		1.00	Assumed
			1618735.				
Lead	6.45	-0.80	92	0.236		1.00	Assumed

Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
			329923.2				
Nickel	5.69	-0.57	4	0.602		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
			1174732.				
Silver	6.38	-1.03	83	0.299		1.00	Assumed
			774959.4				
Zinc	6.10	-0.70	9	0.392		1.00	Assumed

#### **AQUATIC LIFE**

	FW	FW	S:					
	Acute	Chronic					Daily	Daily
	Criterion	Criterion	WLAa	WLAc	LTAa	LTAc	Avg.	Max.
Parameter	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
Aldrin	3.0	N/A	3.00	N/A	1.72	N/A	2.52	5.34
Aluminum	991	N/A	991	N/A	568	N/A	834	1765
Arsenic	340	150	536	241	307	186	273	577
Cadmium	17.8	0.414	82.6	1.96	47.3	1.51	2.21	4.69
Carbaryl	2.0	N/A	2.00	N/A	1.15	N/A	1.68	3.56
Chlordane	2.4	0.004	2.40	0.00408	1.38	0.00314	0.00461	0.00976
Chlorpyrifos	0.083	0.041	0.0830	0.0418	0.0476	0.0322	0.0473	0.100
Chromium (trivalent)	1054	137	4719	626	2704	482	708	1498
Chromium (hexavalent)	15.7	10.6	15.7	10.8	9.00	8.32	12.2	25.8
Copper	28.8	18.0	65.0	41.4	37.2	31.8	46.8	99.0
Cyanide (free)	45.8	10.7	45.8	10.9	26.2	8.40	12.3	26.1
						0.00078		
4,4'-DDT	1.1	0.001	1.10	0.00102	0.630	5	0.00115	0.00244
Demeton	N/A	0.1	N/A	0.102	N/A	0.0785	0.115	0.244
Diazinon	0.17	0.17	0.170	0.173	0.0974	0.133	0.143	0.302
Dicofol [Kelthane]	59.3	19.8	59.3	20.2	34.0	15.5	22.8	48.3
Dieldrin	0.24	0.002	0.240	0.00204	0.138	0.00157	0.00230	0.00488
Diuron	210	70	210	71.4	120	55.0	80.7	170
Endosulfan I (alpha)	0.22	0.056	0.220	0.0571	0.126	0.0440	0.0646	0.136
Endosulfan II (beta)	0.22	0.056	0.220	0.0571	0.126	0.0440	0.0646	0.136
Endosulfan sulfate	0.22	0.056	0.220	0.0571	0.126	0.0440	0.0646	0.136
Endrin	0.086	0.002	0.0860	0.00204	0.0493	0.00157	0.00230	0.00488
Guthion [Azinphos Methyl]	N/A	0.01	N/A	0.0102	N/A	0.00785	0.0115	0.0244
Heptachlor	0.52	0.004	0.520	0.00408	0.298	0.00314	0.00461	0.00976
Hexachlorocyclohexane (gamma) [Lindane]	1.126	0.08	1.13	0.0816	0.645	0.0628	0.0923	0.195
Lead	145	5.64	614	24.4	352	18.8	27.5	58.3
Malathion	N/A	0.01	N/A	0.0102	N/A	0.00785	0.0115	0.0244
Mercury	2.4	1.3	2.40	1.33	1.38	1.02	1.50	3.17
Methoxychlor	N/A	0.03	N/A	0.0306	N/A	0.0236	0.0346	0.0732
						0.00078		
Mirex	N/A	0.001	N/A	0.00102	N/A	5	0.00115	0.00244
Nickel	884	98.2	1468	166	841	128	188	397
Nonylphenol	28	6.6	28.0	6.73	16.0	5.18	7.61	16.1
Parathion (ethyl)	0.065	0.013	0.0650	0.0133	0.0372	0.0102	0.0150	0.0317
Pentachlorophenol	10.7	8.2	10.7	8.34	6.11	6.42	8.98	19.0
Phenanthrene	30	30	30.0	30.6	17.2	23.6	25.2	53.4
Polychlorinated Biphenyls [PCBs]	2.0	0.014	2.00	0.0143	1.15	0.0110	0.0161	0.0341
Selenium	20	5	20.0	5.10	11.5	3.93	5.77	12.2
Silver	0.8	N/A	11.1	N/A	6.34	N/A	9.31	19.7
Toxaphene	0.78	0.0002	0.780	0.00020 4	0.447	0.00015 7	0.00023	0.00048 8
Tributyltin [TBT]	0.13	0.024	0.130	0.0245	0.0745	0.0188	0.0276	0.0585

2,4,5 Trichlorophenol	136	64	136	65.3	77.9	50.2	73.8	156
Zinc	221	223	565	581	324	447	475	1006

#### **HUMAN HEALTH**

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

	Water	Eich Omli:	Incidental Eich			Daile	Delle
	and Fish Criterion	Fish Only Criterion	Fish Criterion	WLAh	LTAh	Daily Avg.	Daily Max.
Parameter	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	μg/L)	(μg/L)
Acrylonitrile	1.0	115	1150	1.05	0.976	1.43	3.03
	1.146E-	1.147E-		0.00001	0.00001	0.00001	0.00003
Aldrin	05	05	1.147E-04	20	12	64	47
Anthracene	1109	1317	13170	1164	1083	1591	336
Antimony	6	1071	10710	6.30	5.86	8.61	18.
Arsenic	10	N/A	N/A	16.6	15.4	22.6	47.
Barium	2000	N/A	N/A	2099	1952	2870	607
Benzene	5	581	5810	5.25	4.88	7.17	15.
Benzidine	0.0015	0.107	1.07	0.00157	0.00146	0.00215	0.0045
Benzo(a)anthracene	0.024	0.025	0.25	0.0252	0.0234	0.0344	0.072
Benzo(a)pyrene	0.0025	0.0025	0.025	0.00262	0.00244	0.00358	0.0075
Bis(chloromethyl)ether	0.0024	0.2745	2.745	0.00252	0.00234	0.00344	0.0072
Bis(2-chloroethyl)ether	0.60	42.83	428.3	0.630	0.586	0.861	1.8
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl)							
phthalate]	6	7.55	75.5	6.30	5.86	8.61	18.
Bromodichloromethane	100	275	2750	40.7	2.05	44.6	
[Dichlorobromomethane]	10.2	275	2750	10.7	9.96	14.6	30.
Bromoform [Tribromomethane]	66.9	1060	10600	70.2	65.3	96.0	20
Cadmium	5	N/A	N/A	24.3	22.6	33.2	70.
Carbon Tetrachloride	4.5	46	460	4.72	4.39	6.45	13.
Chlordane	0.0025	0.0025	0.025	0.00262	0.00244	0.00358	0.0075
Chlorobenzene	100	2737	27370	105	97.6	143	30
Chlorodibromomethane [Dibromochloromethane]	7.5	183	1830	7.87	7.32	10.7	22.
•						10.7	
Chromium (houselent)	70	7697	76970	73.5	68.3		21
Chromium (hexavalent)	62	502	5020	65.1	60.5	88.9	18
Chrysene Chr	2.45	2.52	25.2	2.57	2.39	3.51	7.4
Cresols [Methylphenols]	1041	9301	93010	1093	1016	1493	316
Cyanide (free)	200	N/A	N/A	210	195	287	60
4,4'-DDD	0.002	0.002	0.02	0.00210	0.00195	0.00287	0.0060
4,4'-DDE	0.00013	0.00013	0.0013	0.00013 6	0.00012 7	0.00018 6	0.0003
T,T DDL	0.00013	0.00013	0.0015	0.00042	0.00039	0.00057	
4,4'-DDT	0.0004	0.0004	0.004	0	0	4	0.0012
2,4'-D	70	N/A	N/A	73.5	68.3	100	21
Danitol [Fenpropathrin]	262	473	4730	275	256	375	79
1,2-Dibromoethane [Ethylene Dibromide]	0.17	4.24	42.4	0.178	0.166	0.243	0.51
m-Dichlorobenzene [1,3-Dichlorobenzene]	322	595	5950	338	314	462	97
o-Dichlorobenzene [1,2-Dichlorobenzene]	600	3299	32990	630	586	861	182
p-Dichlorobenzene [1,4-Dichlorobenzene]	75	N/A	N/A	78.7	73.2	107	22
3,3'-Dichlorobenzidine	0.79	2.24	22.4	0.829	0.771	1.13	2.3
1,2-Dichloroethane	5	364	3640	5.25	4.88	7.17	15.
1,1-Dichloroethylene [1,1-Dichloroethene]	7	55114	551140	7.35	6.83	10.0	21.
=,= =::::::::::::::::::::::::::::::::::		13333	133330	5.25	4.88	7.17	15.
Dichloromethane [Methylene Chloride]	5						±J.
Dichloromethane [Methylene Chloride]  1 2-Dichloromenane	5						15
Dichloromethane [Methylene Chloride]  1,2-Dichloropropane  1,3-Dichloropropene [1,3-Dichloropropylene]	5 2.8	259 119	2590 1190	5.25 2.94	4.88	7.17 4.01	15. 8.5

				0.00002	0.00001	0.00002	0.00006
Dieldrin	2.0E-05	2.0E-05	2.0E-04	10	95	87	07
2,4-Dimethylphenol	444	8436	84360	466	433	637	1348
Di-n-Butyl Phthalate	88.9	92.4	924	93.3	86.8	127	269
Dioxins/Furans [TCDD Equivalents]	7.80E-08	7.97E-08	7.97E-07	8.19E-08	7.61E-08	1.11E-07	2.36E-07
Endrin	0.02	0.02	0.2	0.0210	0.0195	0.0287	0.0607
Epichlorohydrin	53.5	2013	20130	56.2	52.2	76.7	162
Ethylbenzene	700	1867	18670	735	683	1004	2125
Ethylene Glycol	46744	1.68E+07	1.68E+08	49068	45633	67080	141919
Fluoride	4000	N/A	N/A	4199	3905	5740	12144
Heptachlor	8.0E-05	0.0001	0.001	0.00008 40	0.00007 81	0.00011 4	0.00024 2
Персастног	8.0L-03	0.0001	0.001	0.00030	0.00028	0.00041	0.00088
Heptachlor Epoxide	0.00029	0.00029	0.0029	4	3	6	0.00000
<u> </u>				0.00071	0.00066	0.00097	
Hexachlorobenzene	0.00068	0.00068	0.0068	4	4	5	0.00206
Hexachlorobutadiene	0.21	0.22	2.2	0.220	0.205	0.301	0.637
Hexachlorocyclohexane (alpha)	0.0078	0.0084	0.084	0.00819	0.00761	0.0111	0.0236
Hexachlorocyclohexane (beta)	0.15	0.26	2.6	0.157	0.146	0.215	0.455
Hexachlorocyclohexane (gamma) [Lindane]	0.2	0.341	3.41	0.210	0.195	0.287	0.607
Hexachlorocyclopentadiene	10.7	11.6	116	11.2	10.4	15.3	32.4
Hexachloroethane	1.84	2.33	23.3	1.93	1.80	2.64	5.58
Hexachlorophene	2.05	2.90	29	2.15	2.00	2.94	6.22
4,4'-Isopropylidenediphenol [Bisphenol A]	1092	15982	159820	1146	1066	1567	3315
Lead	1.15	3.83	38.3	5.12	4.76	6.99	14.7
Mercury	0.0122	0.0122	0.122	0.0128	0.0119	0.0175	0.0370
Methoxychlor	2.92	3.0	30	3.07	2.85	4.19	8.86
Methyl Ethyl Ketone	13865	9.92E+05	9.92E+06	14554	13536	19897	42095
Methyl tert-butyl ether [MTBE]	15	10482	104820	15.7	14.6	21.5	45.5
Nickel	332	1140	11400	578	538	790	1673
Nitrate-Nitrogen (as Total Nitrogen)	10000	N/A	N/A	10497	9762	14350	30360
Nitrobenzene	45.7	1873	18730	48.0	44.6	65.5	138
N-Nitrosodiethylamine	0.0037	2.1	21	0.00388	0.00361	0.00530	0.0112
N-Nitroso-di- <i>n</i> -Butylamine	0.119	4.2	42	0.125	0.116	0.170	0.361
Pentachlorobenzene	0.348	0.355	3.55	0.365	0.340	0.499	1.05
Pentachlorophenol	0.22	0.29	2.9	0.231	0.215	0.315	0.667
				0.00067	0.00062	0.00091	
Polychlorinated Biphenyls [PCBs]	6.4E-04	6.4E-04	6.40E-03	2	5	8	0.00194
Pyridine	23	947	9470	24.1	22.5	33.0	69.8
Selenium	50	N/A	N/A	52.5	48.8	71.7	151
1,2,4,5-Tetrachlorobenzene	0.23	0.24	2.4	0.241	0.225	0.330	0.698
1,1,2,2-Tetrachloroethane	1.64	26.35	263.5	1.72	1.60	2.35	4.97
Tetrachloroethylene [Tetrachloroethylene]	5	280	2800	5.25	4.88	7.17	15.1
Thallium	0.12	0.23	2.3	0.126	0.117	0.172	0.364
Toluene	1000	N/A	N/A	1050	976	1435	3036
Toxaphene	0.011	0.011	0.11	0.0115	0.0107	0.0157	0.0333
2,4,5-TP [Silvex]	50	369	3690	52.5	48.8	71.7	151
1,1,1-Trichloroethane	200	784354	7843540	210	195	287	607
1,1,2-Trichloroethane	5	166	1660	5.25	4.88	7.17	15.1
Trichloroethylene [Trichloroethene]	5	71.9	719	5.25	4.88	7.17	15.1
2,4,5-Trichlorophenol	1039	1867	18670	1091	1014	1491	3154
TTHM [Sum of Total Trihalomethanes]	80	N/A	N/A	84.0	78.1	114	242
Vinyl Chloride	0.23	16.5	165	0.241	0.225	0.330	0.698

CALCULATE 70% AND 85% OF DAILY AVERAGE EFFLUENT LIMITATIONS:

Agustic Life	70% of Daily	85% of Daily
Aquatic Life	Avg.	Avg.
Parameter	(μg/L)	(μg/L)
Aluminum	1.76	2.14
Aluminum	584	709
Arsenic	191	232
Cadmium	1.55	1.88
Carbaryl	1.17	1.43
Chlordane	0.00323	0.00392
Chlorpyrifos  Characteristics (Astrophysics)	0.0331	0.0402
Chromium (trivalent)	495	602
Chromium (hexavalent)	8.56	10.3
Copper	32.7	39.7
Cyanide (free)	0.00080	0.00098
4,4'-DDT	0.00080	0.00098
Demeton	0.0807	0.0980
Diazinon	0.100	0.121
Dicofol [Kelthane]	15.9	19.4
Dieldrin	0.00161	0.00196
Diuron	56.5	68.6
Endosulfan I (alpha)	0.0452	0.0549
Endosulfan II ( <i>beta</i> )	0.0452	0.0549
Endosulfan sulfate	0.0452	0.0549
Endrin	0.00161	0.00196
Guthion [Azinphos Methyl]		
	0.00807	0.00980
Heptachlor	0.0646	
Hexachlorocyclohexane (gamma) [Lindane] Lead	19.3	0.0784 23.4
Malathion	0.00807	0.00980
	1.05	1.27
Mercury  Methoxychlor	0.0242	0.0294
Methoxychiol	0.00080	0.0098
Mirex	7	0.00030
Nickel	131	159
Nonylphenol	5.33	6.47
Parathion (ethyl)	0.0105	0.0127
Pentachlorophenol	6.28	7.63
Phenanthrene	17.6	21.4
Polychlorinated Biphenyls [PCBs]	0.0113	0.0137
Selenium	4.03	4.90
Silver	6.52	7.92
Toxaphene	0.00016	0.00019
Tributyltin [TBT]	0.0193	0.0235
2,4,5 Trichlorophenol	51.7	62.7
Zinc	333	404
<del></del>		
Human Health	70% of Daily Avg.	85% of Daily Avg.
Parameter	(μg/L)	(μg/L)
Acrylonitrile	1.00	1.21
	0.00001	0.00001
Aldrin	15	39

Anthracene	1114	1352
Antimoterie	6.02	7.31
Arsenic	15.8	
		19.2
Barium	2009	2439
Benzene	5.02	6.09
Benzidine Paga (a) anthroposa	0.00150	0.00182
Benzo(a)anthracene	0.0241	0.0292
Benzo(a)pyrene	0.00251	0.00304
Bis(chloromethyl)ether	0.00241	0.00292
Bis(2-chloroethyl)ether Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl)	0.602	0.731
phthalate]	6.02	7.31
Bromodichloromethane	0.02	7.02
[Dichlorobromomethane]	10.2	12.4
Bromoform [Tribromomethane]	67.2	81.6
Cadmium	23.2	28.2
Carbon Tetrachloride	4.52	5.48
Chlordane	0.00251	0.00304
Chlorobenzene	100	121
Chlorodibromomethane		
[Dibromochloromethane]	7.53	9.14
Chloroform [Trichloromethane]	70.3	85.3
Chromium (hexavalent)	62.2	75.6
Chrysene	2.46	2.98
Cresols [Methylphenols]	1045	1269
Cyanide (free)	200	243
4,4'-DDD	0.00200	0.00243
	0.00013	0.00015
4,4'-DDE	0	8
	0.00040	0.00048
4,4'-DDT	1	7
2,4'-D	70.3	85.3
Danitol [Fenpropathrin]	263	319
1,2-Dibromoethane [Ethylene Dibromide]	0.170	0.207
<i>m</i> -Dichlorobenzene [1,3-Dichlorobenzene]	323	392
o-Dichlorobenzene [1,2-Dichlorobenzene]	602	731
<i>p</i> -Dichlorobenzene [1,4-Dichlorobenzene]	75.3	91.4
3,3'-Dichlorobenzidine	0.793	0.963
1,2-Dichloroethane	5.02	6.09
1,1-Dichloroethylene [1,1-Dichloroethene]	7.03	8.53
Dichloromethane [Methylene Chloride]	5.02	6.09
1,2-Dichloropropane	5.02	6.09
1,3-Dichloropropene [1,3-Dichloropropylene]	2.81	3.41
Dicofol [Kelthane]	0.301	0.365
	0.00002	0.00002
Dieldrin	00	43
2,4-Dimethylphenol	446	541
Di-n-Butyl Phthalate	89.3	108
Dioxins/Furans [TCDD Equivalents]	7.83E-08	9.51E-08
Endrin	0.0200	0.0243
Epichlorohydrin	53.7	65.2
Ethylbenzene	703	853
Ethylene Glycol	46956	57018
Fluoride	4018	4879
	0.00008	0.00009
Heptachlor	03	75

	0.00029	0.00035
Heptachlor Epoxide	1	3
	0.00068	0.00082
Hexachlorobenzene	3	9
Hexachlorobutadiene	0.210	0.256
Hexachlorocyclohexane (alpha)	0.00783	0.00951
Hexachlorocyclohexane (beta)	0.150	0.182
Hexachlorocyclohexane (gamma) [Lindane]	0.200	0.243
Hexachlorocyclopentadiene	10.7	13.0
Hexachloroethane	1.84	2.24
Hexachlorophene	2.05	2.50
4,4'-Isopropylidenediphenol [Bisphenol A]	1096	1332
Lead	4.89	5.94
Mercury	0.0122	0.0148
Methoxychlor	2.93	3.56
Methyl Ethyl Ketone	13928	16912
Methyl tert-butyl ether [MTBE]	15.0	18.2
Nickel	553	672
Nitrate-Nitrogen (as Total Nitrogen)	10045	12198
Nitrobenzene	45.9	55.7
N-Nitrosodiethylamine	0.00371	0.00451
N-Nitroso-di- <i>n</i> -Butylamine	0.119	0.145
Pentachlorobenzene	0.349	0.424
Pentachlorophenol	0.221	0.268
	0.00064	0.00078
Polychlorinated Biphenyls [PCBs]	2	0
Pyridine	23.1	28.0
Selenium	50.2	60.9
1,2,4,5-Tetrachlorobenzene	0.231	0.280
1,1,2,2-Tetrachloroethane	1.64	2.00
Tetrachloroethylene [Tetrachloroethylene]	5.02	6.09
Thallium	0.120	0.146
Toluene	1004	1219
Toxaphene	0.0110	0.0134
2,4,5-TP [Silvex]	50.2	60.9
1,1,1-Trichloroethane	200	243
1,1,2-Trichloroethane	5.02	6.09
Trichloroethylene [Trichloroethene]	5.02	6.09
2,4,5-Trichlorophenol	1043	1267
TTHM [Sum of Total Trihalomethanes]	80.3	97.5
Vinyl Chloride	0.231	0.280

#### Appendix C Comparison of Effluent Limits

The following table is a summary of technology-based effluent limitations calculated/assessed in the draft permit (Technology-Based), calculated/assessed water quality-based effluent limitations (Water Quality-Based), and effluent limitations in the existing permit (Existing Permit). Effluent limitations appearing in bold are the most stringent of the three and are included in the draft permit.

		Technology-	·Based	Water Qua	lity-Based	Existing Pe	rmit
Outfall	Pollutant	Daily Avg	Daily Max	Daily Avg	Daily Max	Daily Avg	Daily Max
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
001	Flow, MGD	Report, MGD	Report, MGD	-	-	Report, MGD	Report, MGD
	TSS	N/A	50	-	-	N/A	50
	COD	N/A	250	-	-	N/A	250
	Inlet Temperature, °F	Report, °F	Report, °F	-	-	Report, °F	Report, °F
	Outfall Temperature, °F	Report, °F	Report, °F	-	-	Report, °F	Report, °F
	Temperature Rise, °F	N/A	5.5 °F	-	-	N/A	5.5 °F
	pH, SU	6.0 SU (minimum)	9.0 SU	-	-	6.0 SU (minimum)	9.0 SU
002	Flow, MGD	Report, MGD	Report, MGD	-	-	Report, MGD	Report, MGD
	TSS	N/A	50	-	-	N/A	50
	COD	N/A	250	-	-	N/A	250
	Inlet Temperature, °F	Report, °F	Report, °F	-	-	Report, °F	Report, °F
	Outfall Temperature, °F	Report, °F	Report, °F	-	-	Report, °F	Report, °F
	Temperature Rise, °F	N/A	5.5 °F	-	-	N/A	5.5 °F
	pH, SU	6.0 SU (minimum)	9.0 SU	-	-	6.0 SU (minimum)	9.0 SU