

#### This file contains the following documents:

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



#### Este archivo contiene los siguientes documentos:

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



#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you 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. After filling in the information for your facility delete these instructions.

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.

BYK USA INC (CN605351204) operates JOHNSON CLAY MINES (RN102074945), a Clay (calcium bentonite) mine SIC 1459. The facility is located at Adjacent to an unnamed rd approx 5.4 mile S of intersection FM3282 & US HWY 183 & approx. 1.5 mile SW of Terrysville Cemetery South of the City of Gonzales, in Gonzales, Gonzales County, Texas 78629. This application is for a renewal to discharge 300,000 gallons daily of wastewater on a intermittent basis.

Discharges from the facility are expected to contain CBOD, Total Organic Carbon, Dissolved Oxygen, Total Suspended Solids, Total Organic Nitrogen, Total Phosphorus, Total Dissolved Solids, Sulfate, Chloride, Fluoride, Total Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Lead, Mercury, Nickel, and Zinc. It is Industrial wastewater as a result of rainwater entering mining pits is treated by The mine site has one (1) open pit and several clay and overburden stockpiles. All clay is transported from the mine site to the Gonzales Mill for

processing. All stockpiles and open pit mines are protected with berms to prevent rainfall run-on and retain any runoff. Runoff from stockpiles is diverted back to the open pit mine using berms and grading. If sufficient rainfall occurs, a pump is used at the open pit mine to discharge via Outfall 001. Settling of total suspended solids (colloidal clay) occurs in the open pit as well as across vegetation when discharge occurs due to rainfall events.

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

#### AGUAS RESIDUALES INDUSTIRALES /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.

BYK USA INC (CN605351204) opera JOHNSON CLAY MINES (RN102074945), una mina de arcilla (bentonita cálcica) SIC 1459. La instalación está ubicada en junto a una carretera sin nombre, aproximadamente a 8,7 km al sur de la intersección de FM3282 y la autopista US 183, y a aproximadamente 2,4 km al suroeste del cementerio de Terrysville, al sur de la ciudad de Gonzales, en Gonzales, Condado de Gonzales, Texas 78629. Esta solicitud solicita la renovación del permiso para descargar 113.968 litros diarios de aguas residuales de forma intermitente.

Se espera que las descargas de la instalación contengan CBOD, carbono orgánico total, oxígeno disuelto, sólidos suspendidos totales, nitrógeno orgánico total, fósforo total, sólidos disueltos totales, sulfato, cloruro, fluoruro, alcalinidad total, aluminio, antimonio, arsénico, bario, berilio, plomo, mercurio, níquel y zinc.. Es Las aguas residuales industriales como resultado del agua de lluvia que ingresa a los pozos mineros. estará tratado por El sitio de la mina tiene un (1) tajo abierto y varias pilas de arcilla y sobrecarga. Toda la arcilla se transporta desde el sitio de la mina hasta el molino Gonzales para su procesamiento. Todas las pilas de almacenamiento y las minas a cielo abierto están protegidas con bermas para evitar la escorrentía de la lluvia y retener cualquier escorrentía. La escorrentía de las pilas de almacenamiento se desvía de regreso a la mina a cielo abierto mediante bermas y nivelación. Si se producen suficientes precipitaciones, se utiliza una bomba en la mina a cielo abierto para descargar a través del emisario 001. La sedimentación de sólidos suspendidos totales (arcilla coloidal) se produce en la mina a cielo abierto, así como en la vegetación cuando se produce una descarga debido a las precipitaciones.

#### **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**



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

#### PERMIT NO. WQ0003306000

APPLICATION. BYK USA Inc, 1212 Church Street, Gonzales, Texas 78629, which owns a bentonite clay mine, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0003306000 (EPA I.D. No. TX0123358) to authorize the discharge of treated wastewater and stormwater at an intermittent and Flow-Variable volume. The facility is located approximately 5.4 miles south of intersection Farm-to-Market Road 3282 and U.S. Highway 183, south of the city of Gonzales, in Gonzales County, Texas 78629. The discharge route is from the plant site to an unnamed tributary of Brushy Creek; thence to Brushy Creek; thence to Five Mile Creek; thence to Sandies Creek; thence to Guadalupe River Below San Marcos River. TCEQ received this application on March 31, 2025. The permit application will be available for viewing and copying at Robert Lee Brothers, Jr. Memorial Library, Bookshelf on back wall in Resource Section of the Library, 301 Saint Joseph Street, Gonzales, 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=-97.427222,29.379166&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 TCEO 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="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 BYK USA Inc at the address stated above or by calling Mr. Charles Frederick, Environmental Engineer, at 830-672-1907.

Issuance Date: April 30, 2025

#### Comisión de Calidad Ambiental del Estado de Texas



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

#### PERMISO NO. WQ0003306000

**SOLICITUD** BYK USA Inc, 1212 Church Street, Gonzales, Texas 78629, que posee una mina de arcilla bentonita, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0003306000 (EPA I.D. No. TX 0123358) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de a un volumen intermitente y de flujo variable galones por día. La instalación está ubicada aproximadamente a 5.4 millas al sur de la intersección Farm-to-Market Road 3282 y U.S. Highway 183, al sur de la ciudad de Gonzales, en el condado de Gonzales, Texas 78629. La ruta de descarga es desde el sitio de la planta hasta un afluente sin nombre de Brushy Creek; de allí a Brushy Creek; de allí a Five Mile Creek; de allí a Sandies Creek; de allí al río Guadalupe por debajo del río San Marcos. La TCEO recibió esta solicitud el March 31, 2025. La solicitud para el permiso estará disponible para leerla y copiarla en En la Biblioteca Conmemorativa Robert Lee Brothers. Jr., Estantería en la pared trasera de la Sección de Recursos de la Biblioteca, 301 St. Joseph Street, Gonzales, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.427222,29.379166&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. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del 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 envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en <a href="www.tceq.texas.gov/goto/cid">www.tceq.texas.gov/goto/cid</a>. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

También se puede obtener información adicional del BYK USA Inc a la dirección indicada arriba o llamando a Mr. Charles Frederick, Environmental Engineer al (830) 672-1907.

Fecha de emisión: 30 de abril de 2025



April 16, 2025

Applications Review and Processing Team Water Quality Division MC 148 Texas Commission on Environmental Quality Austin, Texas 78753

Re:

BYK USA, Inc. - Johnson Clay Mines

Application for Renewal

TCEQ Wastewater Permit WQ0003306000

TCEQ Customer Reference Number: CN605351204 TCEQ Regulated Entity Number: RN102074945

#### Dear Ms Michael:

Thank you for your comments. I have provided the responses to your comments in the subsequent pages of this letter and the accompanying attachments. BYK is submitting the response in email format as requested.

If you have any questions about this submittal or require additional information, please contact me or Mr. Gary Brecosky, EHS Manager at (830) 672-1907.

Sincerely,

Charles Frederick Environmental Engineer

BYK USA inc.

Office Direct: 830-672-1907 Charles.frederick@altana.com

Enclosure

Item 10F, on page 9 of the administrative Report: Thank you for including the long-term lease
agreement with the application. However, the lease agreement must be singed by the applicant, BYK
USA Inc and by the owner or the land, Johnson Harvey W. and Nancy B. Please submit a deed or a long
term-lease agreement signed by both parties.

BYK USA INC was previously known as BYK Additives, and before that Southern Clay Products. Attached are the previous permits with the same EPA I.D. No. TX0123358 and RN102074945 along with the Letter changing the name from BYK Additives to BYK USA INC.

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

I have reviewed the NORI and found only that the last digit of my phone number was incorrect. The NORI portion with the corrected Phone number is Below:

APPLICATION. BYK USA Inc, 1212 Church Street, Gonzales, Texas 78629, which owns a bentonite clay mine, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0003306000 (EPA I.D. No. TX0123358) to authorize the discharge of treated wastewater and stormwater at an intermittent and Flow-Variable rate. The facility is located approximately 5.4 miles south of intersection Farm-to-Market Road 3282 and U.S. Highway 183, and approximately 1.5 miles southwest of Terrysville Cemetery, south of the city of Gonzales, in Gonzales County, Texas 78629. The discharge route is from the plant site to an unnamed tributary of Brushy Creek; thence to Brushy Creek; thence to Five Mile Creek; thence to Sandies Creek; thence to Guadalupe River Below San Marcos River. TCEQ received this application on March 31, 2025. The permit application will be available for viewing and copying at Robert Lee Brothers. Jr. Memorial Library, Bookshelf on back wall in Resource Section of Library, 301 St. Joseph Street, Gonzales, in Gonzales 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.qov/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=-97.427222,29.379166&level=18

Further information may also be obtained from BYK USA Inc at the address stated above or by calling Mr. Charles Frederick, Environmental Engineer, at (830) 672-1907.

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

Attached is the completed Spanish NORI.

## HW JOHNSON PERMIT NUMBER WQ0003306000 RESPONSE TO NOD

#### **ATTACHMENT LIST**

NOD Letter with corrected phone number

**Completed Spanish NORI** 

WQ00033006000 Jun 2001 Wastewater Permit

WQ00033006000 Jun 2015 Wastewater Permit

WQ00033006000 May 2017 Name Change Letter

#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



#### **ENDORSEMENT TO**

#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PERMIT NO. WQooo3306000

EPA I.D. No. TX0123358

FROM: Southern Clay Products, Inc.

TO: BYK Additives Inc.

The name of the above-referenced Texas Water Quality Permit issued June 25, 2010, has changed. That part of the signature page pertaining to the name and mailing address of the permit holder is hereby changed so that the same shall hereinafter be and read as follows:

"BYK Additives Inc. 1212 Church Street Gonzales, Texas 78629"

The change of name is in accordance with 30 Texas Administrative Code Subsection 50.45(b)(3).

This order is part of the permit and should be attached thereto.

Issued Date: November 14, 2013

For The Commission

Jak Cov

#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



#### **ENDORSEMENT TO**

#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PERMIT NO. WQ0003306000

EPA I.D. No. TX0123358

FROM: BYK Additives Inc.

TO: BYK USA Inc

The name of the above-referenced Texas Water Quality Permit issued June 15, 2015, has changed. That part of the signature page pertaining to the name and mailing address of the permit holder is hereby changed so that the same shall hereinafter be and read as follows:

"BYK USA Inc P.O. Box 5670 Wallingford, Connecticut 06492"

The change of name is in accordance with 30 Texas Administrative Code Subsection 50.45(b)(3).

This order is part of the permit and should be attached thereto.

Issued Date: May 4, 2017

For The Commission

PQA. Hyl

#### Comisión de Calidad Ambiental del Estado de Texas



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

#### PERMISO NO. WQ000

SOLICITUDBYK USA Inc, 1212 Church Street, Gonzales, Texas 78629, que posee una mina de arcilla bentonita, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0003306000 (EPA I.D. No. TX 0123358) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de a un *volumen intermitente y de flujo variable* galones por día. La planta está ubicada *Está* aproximadamente a 5,4 millas al sur de la intersección de Farm-to-Market Road 3282 y la autopista estadounidense 183, y aproximadamente a 1,5 millas al suroeste del cementerio de Terrysville, al sur de la ciudad de Gonzales, en el Condado de Gonzales. Texas 78629. La ruta de descarga es del sitio de la planta a a un afluente sin nombre de Brushy Creek; de allí a Brushy Creek; de allí a Five Mile Creek; de allí a Sandies Creek; de allí al río Guadalupe debajo del río San Marcos. La TCEQ recibió esta solicitud el March 31, 2025. La solicitud para el permiso estará disponible para leerla y copiarla en En la Biblioteca Conmemorativa Robert Lee Brothers. Jr., Estantería en la pared trasera de la Sección de Recursos de la Biblioteca, 301 St. *Joseph Street, Gonzales, Condado de Gonzales, Texas,* antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

https://gisweb.tceg.texas.gov/LocationMapper/?marker=-97.427222,29.379166&level=18

**AVISO DE IDIOMA ALTERNATIVO.** 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>.

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. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del 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 envía por correo su pedido a la Oficina del Secretario Principal de la TCEO.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en <a href="www.tceq.texas.gov/goto/cid">www.tceq.texas.gov/goto/cid</a>. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

También se puede obtener información adicional del *BYK USA Inc* a la dirección indicada arriba o llamando a *Mr. Charles Frederick, Environmental Engineer* al (830) 672-1903

Fecha de emisión: [Date notice issued]



#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

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

AP	PLI	CA	NT	NAME:	<b>BYK</b>	<b>USA</b>	<b>INC</b>

PERMIT NUMBER (If new, leave blank): WQ00\_3306-000

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

	Y	N		Y	N
Administrative Report 1.0			Worksheet 8.0		$\boxtimes$
Administrative Report 1.1	$\boxtimes$		Worksheet 9.0		$\boxtimes$
SPIF	$\boxtimes$ I		Worksheet 10.0		$\boxtimes$
Core Data Form	$\boxtimes$		Worksheet 11.0		$\boxtimes$
Public Involvement Plan Form		$\boxtimes$	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		$\boxtimes$	Landowner Disk or Labels	$\boxtimes$	
Worksheet 3.1		$\boxtimes$	Flow Diagram		$\boxtimes$
Worksheet 3.2		$\boxtimes$	Site Drawing	$\boxtimes$	
Worksheet 3.3		$\boxtimes$	Original Photographs	$\boxtimes$	
Worksheet 4.0	$\boxtimes$		Design Calculations		$\boxtimes$
Worksheet 4.1			Solids Management Plan		$\boxtimes$
Worksheet 5.0		$\boxtimes$	Water Balance		$\boxtimes$
Worksheet 6.0		$\boxtimes$			
Worksheet 7.0		$\boxtimes$	RECEIVED		
			MAR 3 1 2025		
			Water Quality Applications Team		
For TCEQ Use Only					
Segment NumberExpiration DatePermit Number		Region	<del></del>		

# 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>).

It	em 1. Application Information and Fees (Instructions, Page 26)					
a.	Complete each field with the requested information, if applicable.					
	Applicant Name: <u>BYK USA INC</u>					
	Permit No.: <u>WQ0003306-000</u>					
	EPA ID No.: <u>TX0123358</u>					
	Expiration Date: September 28, 2020					
b.	Check the box next to the appropriate authorization type.					
	☑ Industrial Wastewater (wastewater and stormwater)					
	☐ Industrial Stormwater (stormwater only)					
c.	Check the box next to the appropriate facility status.					
	☑ Active ☐ Inactive					
d.	Check the box next to the appropriate permit type.					
	$oxed{oxed}$ 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: Click to enter text.					
For	TCEQ Use Only					
Seg	ment NumberCounty					
	iration 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	□ \$350	□ \$350	□ \$315	□ \$150
(40 CFR Parts 400-471)				
Minor facility subject to EPA categorical effluent guidelines	□ \$1,250	□ \$1,250	⊠ \$1,215	□ \$150
(40 CFR Parts 400-471)				
Major facility	N/A <sup>2</sup>	□ \$2,050	□ \$2,015	□ \$450

#### h. Payment Information

#### Mailed

Check or money order No.: N/A
Check or money order amt.: N/A

Named printed on check or money order: N/A

#### **Epay**

Voucher number: <u>29001683</u> Copy of voucher attachment: J

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

a. Customer Number, if applicant is an existing customer: <u>CN605351204</u>
 Note: Locate the customer number using the <u>TCEQ's Central Registry Customer Search</u><sup>3</sup>.

b. Legal name of the entity (applicant) applying for this permit: <u>BYK USA 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 N	lame): <u>West Glenn</u>
Title: Site M	anager	Credential: N/A

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

	37		AT-
IXI	Yes	10.4	No

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

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: N/A

**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>CN N/A</u>

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

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

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

Title: N/A Credential: N/A

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: 1

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

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

a.  $\boxtimes$  Administrative Contact .  $\boxtimes$  Technical Contact

Prefix: Mr. Full Name (Last/First Name): Frederick Charles

Title: Environmental Engineer Credential: N/A

Organization Name: BYK USA INC

Mailing Address: 1212 Church Street City/State/Zip: Gonzales, TX 78629

Phone No: (830) 672-1903 Email: Charles.frederick@altana.com

b. ⊠ Administrative Contact ⊠ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Brecosky Gary

Title: EHS Manager Credential: N/A

Organization Name: BYK USA INC

Mailing Address: 1212 Church Street City/State/Zip: Gonzales, TX 78629

Phone No: (830) 672-1960 Email: Gary.Brecosky@altana.com

Attachment: N/A

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

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

a. Prefix: Mr. Full Name (Last/First Name): Frederick Charles

Title: Environmental Engineer Credential: N/A

Organization Name: BYK USA INC

Mailing Address: 1212 Church Street City/State/Zip: Gonzales, TX 78629

Phone No: (830) 672-1903 Email: Charles.frederick@altana.com

b. Prefix: Mr. Full Name (Last/First Name): Brecosky Gary

Title: EHS Manager Credential: N/A

Organization Name: **BYK USA INC** 

Mailing Address: 1212 Church Street City/State/Zip: Gonzales, TX 78629

Phone No: (830) 672-1960 Email: (830) 672-1920

Attachment: N/A

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

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

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

Prefix: Mr. Full Name (Last/First Name): Frederick Charles

Title: Environmental Engineer Credential: N/A

Organization Name: BYK USA INC

Mailing Address: 1212 Church Street City/State/Zip: Gonzales, TX 78629

Phone No: (830) 672-1903 Email: charles.frederick@altana.com

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

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

Prefix: Mr. Full Name (Last/First Name): Frederick Charles

Title: Environmental Engineer Credential: N/A

Organization Name: **BYK USA INC** 

Mailing Address: 1212 Church Street City/State/Zip: Gonzales, TX 78629

Phone No: (830) 672-1903 Email: charles.frederick@altana.com

#### Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Frederick Charles

Title: Environmental Engineer Credential: N/A

Organization Name: BYK USA INC

Mailing Address: 1212 Church Street

City/State/Zip: Gonzales, TX 78629

Phone No: (830) 672-1903 Email: charles.frederick@altana.com

- b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)
  - ☑ E-mail: <a href="mailto:charles.frederick@altana.com">charles.frederick@altana.com</a>

☐ Fax: N/A

☐ Regular Mail (USPS)

Mailing Address: N/A

City/State/Zip Code: N/A

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Frederick Charles

Title: Environmental Engineer Credential: N/A

Organization Name: BYK USA INC

Phone No: (830) 672-1903 Email: charles.frederick@altana.com

d. Public Viewing Location Information

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

Public building name: <u>Robert Lee Brothers</u>, <u>Ir. Memorial Library</u> Location within the building: Bookshelf on back wall in Resource Section of Library

Physical Address of Building: 301 St. Joseph Street

City: Gonzales County: Gonzales

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?

$\boxtimes$	Yes	No	1
	1 (3	 111	J

(Regulated Entity and Permitted Site Information.) 2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school? ⊠ Yes □ No 3. Do the students at these schools attend a bilingual education program at another location? ☐ Yes ☒ No 4. Would the school be required to provide a bilingual education program, but the school has waived out of this requirement under 19 TAC §89.1205(g)? ☐ Yes ☒ No ☐ N/A 5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish f. Plain Language Summary Template - Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: 2 g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: N/A Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29) a. TCEQ issued Regulated Entity Number (RN), if available: RN102074945 **Note:** If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEO's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN. b. Name of project or site (the name known by the community where located): Johnson Clay Mines c. Is the location address of the facility in the existing permit the same?  $\boxtimes$  Yes  $\square$  No  $\square$  N/A (new permit) Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required. d. Owner of treatment facility: Prefix: N/A Full Name (Last/First Name): N/A or Organization Name: BYK USA INC Mailing Address: 1212 Church Street City/State/Zip: Gonzales TX 78629 Email: charles.frederick@altana.com Phone No: (830)672-2891 e. Ownership of facility: ☐ Public ☑ Private □ Both ☐ Federal f. Owner of land where treatment facility is or will be:

If no, publication of an alternative language notice is not required; skip to Item 8

	Prefix: N/A Full Name (Last/First Name): Johnson Harvey w. and Nancy B.					
	or Organization Name: <u>N/A</u>					
Mailing Address: PO Box 8843 City/State/Zip: Winchester,						
Phone No: (210) 415-9587 Email: eaglepassyaya@gmail.com						
		ility owner, attach a long-term lease agreement in effect for s, a lease may not suffice - see instructions). Attachment: $\underline{A}$				
g.	Owner of effluent TLAP dispos	al site (if applicable): <u>N/A</u>				
Prefix: N/A Full Name (Last/First Name): N/A						
or Organization Name: <u>N/A</u>						
	Mailing Address: N/A	City/State/Zip: <u>N/A</u>				
	Phone No: <u>N/A</u>	mail: <u>N/A</u>				
	<b>Note:</b> If not the same as the fact at least six years. Attachment: ]	ility owner, attach a long-term lease agreement in effect for $\frac{1}{A}$				
h.	Owner of sewage sludge dispos	al site (if applicable):				
	Prefix: <u>N/A</u> Full Name	Last/First Name): <u>N/A</u>				
	or Organization Name: <u>N/A</u>					
	Mailing Address: N/A	City/State/Zip: N/A				
	Phone No: <u>N/A</u> Er	nail: <u>N/A</u>				
	<b>Note:</b> If not the same as the fact at least six years. Attachment: 1	lity owner, attach a long-term lease agreement in effect for $\frac{I/A}{I}$				
Ito	em 11. TDPES Discharge Page 31)	/TLAP Disposal Information (Instructions,				
a.	Is the facility located on or does  ☐ Yes ☒ No	the treated effluent cross Native American Land?				
b.	o. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.					
	⊠ One-mile radius	oxtimes Three-miles downstream information				
	☑ Applicant's property bounda	ries   ☐ Treatment facility boundaries				
	□ Labeled point(s) of discharge	☑ Highlighted discharge route(s)				
	☐ Effluent disposal site bounda	ries 🛮 All wastewater ponds				
	☐ Sewage sludge disposal site	☐ New and future construction				
	Attachment: <u>B-1</u>					
c.	Is the location of the sewage slu	dge disposal site in the existing permit accurate?				
☐ Yes ☐ No or New Permit						
	If no, or a new application, prov	de an accurate location description: N/A				

d.	Are the point(s) of discharge in the existing permit correct? $\Box$ Yes $\Box$ No or New Permit
	If no, or a new application, provide an accurate location description: $N/A$
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: N/A
f.	City nearest the outfall(s): Gonzales
g.	County in which the outfalls(s) is/are located: <u>Gonzales</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: $N/A$
	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: <u>Discharge &lt; 5 MGD</u>
i.	For TLAPs, is the location of the effluent disposal site in the existing permit accurate?
	$\square$ Yes No or New Permit $\boxtimes$ <u>N/A</u>
	If no, or a new application, provide an accurate location description: $N/A$
j.	City nearest the disposal site: $N/A$
k.	County in which the disposal site is located: $N/A$
1.	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: N/A

#### Item 12. Miscellaneous Information (Instructions, Page 33)

a.	Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?
	□ Yes ⋈ No
	If yes, list each person: $N/A$
b.	Do you owe any fees to the TCEQ?
	□ Yes ⋈ No
	If yes, provide the following information:
	Account no.: <u>N/A</u>
	Total amount due: <u>N/A</u>
c.	Do you owe any penalties to the TCEQ?
	□ Yes ⊠ No
	If yes, provide the following information:
	Enforcement order no.: <u>N/A</u>
	Amount due: <u>N/A</u>

#### Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0003306000 Applicant Name: BYK USA INC

Certification: I. Glen West, 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): Glenn West

		1001000000000		
C:		+++	Cita	Manager
<b>`</b> I	onainiv	11116	2116	MAHAVEL
•	ETIULOI )	CICIC.	OICC	I.I.

Signature:	Men	- west	 Date: _	03-26-2025
		se blue ink)		

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

on this day of My commission expires on the

Dan Dimine

Notary Public

[SEAL]



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

#### INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

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

a.	Attach a landowner map or drawing, with scale, as applicable. Check the box next to each item to confirm it has been provided.
	☑ The applicant's property boundaries.
	oxtimes The facility site boundaries within the applicant's property boundaries.
	☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone.
	☑ The property boundaries of all landowners surrounding the applicant's property. (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
	☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream.
	☑ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge.
	☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides.
	☐ The boundaries of the effluent disposal site (e.g., irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property.
	☐ The property boundaries of all landowners surrounding the applicant's property boundaries where the effluent disposal site is located.
	☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners within one-quarter mile of the applicant's property boundaries where the sewage sludge land application site is located.
	☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (e.g., sludge surface disposal site or sludge monofil) is located.
	Attachment: <u>C-3</u>
b.	Check the box next to the format of the landowners list:
	☐ Readable/Writeable CD         Four sets of labels
	Attachment: C-1 & C-2
d.	Provide the source of the landowners' names and mailing addresses: <u>Gonzales County</u> <u>Appraisal District</u>
e.	As required by Texas Water Code § 5.115, is any permanent school fund land affected by

this application?

□ Yes ⊠ No
If yes, provide the location and foreseeable impacts and effects this application has on the land(s): $\underline{N/A}$
Item 2. Original Photographs (Instructions, Page 37)
Provide original ground level photographs. Check the box next to each of the following items to indicate it is included.
$\square$ At least one original photograph of the new or expanded treatment unit location.
At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
$\square$ At least one photograph of the existing/proposed effluent disposal site.
$\square$ A plot plan or map showing the location and direction of each photograph.
Attachment: D-1 and D-2

## 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: 1

#### WATER QUALITY PERMIT

#### PAYMENT SUBMITTAL FORM

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

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

#### Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP Permit No: WQ000N/A

- 1. Check or Money Order Number: N/A
- 2. Check or Money Order Amount: N/A
- 3. Date of Check or Money Order: N/A
- 4. Name on Check or Money Order: N/A
- 5. APPLICATION INFORMATION

Name of Project or Site: Johnson Clay Mines

Physical Address of Project or Site: Adjacent to an unnamed rd approx 5.4 miles S of intersection FM3282 & US Hwy 183 & approx 1.5 miles SW of Terrysville Cemetery south of the City of Gonzales

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

#### Staple Check or Money Order in This Space

#### **ATTACHMENT 1**

#### INDIVIDUAL INFORMATION

#### Item 1. Individual information (Instructions, Page 38)

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

Prefix (Mr., Ms., or Miss): N/A

Full legal name (first, middle, and last): N/A

Driver's License or State Identification Number: N/A

Date of Birth: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

Phone No.: N/A

Fax No.: N/A

E-mail Address: N/A

CN: <u>N/A</u>

#### 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.

$\boxtimes$	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.)
$\boxtimes$	Correct and Current Industrial Wastewater Permit Application Forms (TCEQ Form Nos. 10055 and 10411. Version dated 5/10/2019 or later.)
	Water Quality Permit Payment Submittal Form (Page 14) (Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)
	7.5 Minute USGS Quadrangle Topographic Map Attached (Full-size map if seeking "New" permit. 8 ½ x 11 acceptable for Renewals and Amendments.)
	N/A 🔲 Current/Non-Expired, Executed Lease Agreement or Easement Attached
	N/A \( \text{Landowners Map} \) (See instructions for landowner requirements.)
	Things to Know:  • All the items shown on the man must be labeled.

- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.
- □ N/A ⊠ Landowners Cross Reference List (See instructions for landowner requirements.) ⋈ N/A □ Landowners Labels or CD-RW attached (See instructions for landowner requirements.)
- ☑ Original signature per 30 TAC § 305.44 Blue Ink Preferred (If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached.)
- ☑ Plain Language Summary

# 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 A	AmendmentNinor AmendmentNew
County:	Segment Number:
Admin Complete Date:	
Agency Receiving SPIF:	
Texas Historical Commission	U.S. Fish and Wildlife
Texas Parks and Wildlife Department	U.S. Army Corps of Engineers
This form applies to TPDES permit application	ons only. (Instructions, Page 53)
our agreement with EPA. If any of the items ar	TCEQ will mail a copy to each agency as required by re not completely addressed or further information information before issuing the permit. Address
	Administrative Report of the application. The ely complete without this SPIF form being nents. Questions or comments concerning this form a Application Review and Processing Team by
Γhe following applies to all applications:	
. Permittee: <u>BYK USA INC</u>	
Permit No. WQ00 <u>3306000</u>	EPA ID No. TX <u>123358</u>
Address of the project (or a location descri	iption that includes street/highway, city/vicinity,
	iles S of intersection FM3282 & US Hwy 183 & ery south of the City of Gonzales

	answ	er specific questions about the property.
	Prefix	z (Mr., Ms., Miss): <u>Mr.</u>
	First	and Last Name: <u>Charles Frederick</u>
	Crede	ential (P.E, P.G., Ph.D., etc.): <u>N/A</u>
	Title:	<u>Environmental Engineer</u>
	Mailir	ng Address: <u>1212 Church Street</u>
	City, S	State, Zip Code: <u>Gonzales, TX 78629</u>
	Phone	e No.: <u>(830) 672-1907</u> Ext.: <u>N/A</u> Fax No.: <u>(830) 672-1920</u>
	E-mai	l Address: <u>Charles.frederick@altana.com</u>
2.	List th	ne county in which the facility is located: <u>Gonzales</u>
3.		property is publicly owned and the owner is different than the permittee/applicant, e list the owner of the property.
	N/A	
4.		le a description of the effluent discharge route. The discharge route must follow the flow uent from the point of discharge to the nearest major watercourse (from the point of
	discha	rge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify
	the cla	assified segment number.
	<u>Unna</u>	med tributary of Brushy Creek to 5-mile Creek and to Sandies Creek.
5.	Please	provide a separate 7.5-minute USGS quadrangle map with the project boundaries
		d and a general location map showing the project area. Please highlight the discharge from the point of discharge for a distance of one mile downstream. (This map is
		ed in addition to the map in the administrative report).
	Provid	e original photographs of any structures 50 years or older on the property.
	Does y	our project involve any of the following? Check all that apply.
		Proposed access roads, utility lines, construction easements
	500	Vigual effects that sould demage or detract from a historic property's integrity
		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

	☐ 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):  BYK USA INC uses the moving mine method. As one mine is depleted the next mine is dug
	using the overburden to backfill the depleted mine.
2.	Describe existing disturbances, vegetation, and land use:
	<u>Mine</u>
	E FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR IENDMENTS TO TPDES PERMITS
3.	List construction dates of all buildings and structures on the property:
	N/A
4.	Provide a brief history of the property, and name of the architect/builder, if known.
	N/A
	· · · · · · · · · · · · · · · · · · ·

TCEQ Use Only



## **TCEQ Core Data Form**

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

#### **SECTION I: General Information**

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

☐ New Pe	rmit, Regist	tration or Authorization	(Core Data For	m should b	e submi	tted wi	th the pro	gram application.)			
Renewa	l (Core Dat	a Form should be subm	itted with the re	enewal form	n)			Other			
2. Custome	r Referenc	ce Number (if issued)		Follow this			3. Re	egulated Entity Re	ference	Number (ij	<sup>r</sup> issued)
CN 605351	204				l Registr		RN	102074945			
SECTIO	N II:	Customer	Inforn	natio	<u>n</u>						
4. General C	Customer I	Information	5. Effective	Date for (	Custom	er Info	ormation	Updates (mm/dd/	уууу)	-	
New Custo	omer	Пі	Ipdate to Custo	mer Inform	nation		Cha	nge in Regulated Ent	ity Own	ership	
Change in	Legal Name	(Verifiable with the Te				nptrolle		-			
The Custom	er Name s	submitted here may	be updated a	utomatico	ally bas	ed on	what is c	current and active	with th	ne Texas Sec	retary of State
(SOS) or Tex	as Compti	roller of Public Accou	ınts (CPA).								
6. Customer	Legal Nar	me (If an individual, pri	nt last name fir	st: eg: Doe,	, John)			<u>If new Customer,</u>	enter pre	evious Custon	ner below:
BYK USA INC	30										
7. TX SOS/CI	PA Filing N	lumber	8. TX State	Tax ID (11	digits)			9. Federal Tax II	D	10. DUNS	Number (if
								(a. u. u. v.		applicable)	
0003624806			113197					(9 digits)		05-806-370	17
								131978006			
11. Type of (	Customer:		ion					dual	Partne	rship: 🔲 Ger	neral 🗌 Limited
Government:	City 🗌	County 🗌 Federal 🗌	Local 🗌 State	Other			Sole P	roprietorship	Oth	ner:	
12. Number	of Employ	/ees						13. Independen	tly Owi	ned and Op	erated?
0-20	21-100	∑ 101-250 □ 251-	500 🗌 501 a	ınd higher				⊠ Yes [	<b>N</b> o		
14. Custome	<b>r Role</b> (Pro	posed or Actual) – as it	relates to the I	Regulated E	Entity list	ted on t	his form.	Please check one of	the follo	wing	
Owner Occupation	al Licensee	Operator Responsible Par		ner & Oper CP/BSA Ap				Other:			
15. Mailing	1212 Chu	urch Street									
Address:											
	City	Gonzales		State	TX		ZIP	78629		ZIP + 4	
16. Country f	Mailing In	formation (if outside t	JSA)					Idress (if applicable	)		
						Glenr	n.West@a	ltana.com			
18. Telephon	e Number		10	). Extension	on or C	ode	_	20. Fax Nu	mber (	if applicable)	

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

21. General Regulated B	ntity Inform	ation (If 'New F	Regulated Entity" is se	elected, a new	permit appli	cation is also	required.)		
☐ New Regulated Entity	Update t	o Regulated Enti	ty Name 🔲 Upda	te to Regulate	d Entity Infor	mation			
The Regulated Entity No as Inc, LP, or LLC).	ame submitt	ed may be upo	lated, in order to n	neet TCEQ C	ore Data St	andards (re	emoval of or	rganizatio	nal endings such
22. Regulated Entity Na	me (Enter nar	ne of the site wh	ere the regulated act	tion is taking p	olace.)				
JOHNSON CLAY MINES									
23. Street Address of the Regulated Entity:									
(No PO Boxes)	City		State		ZIP			ZIP + 4	
24. County									
		If no Str	eet Address is prov	vided, fields	25-28 are r	equired.			
25. Description to	Adjacent to	an unnamed rd	approx 5.4 mile S of	intersection F	M3282 & US	HWY 183 &	approx. 1.5 m	ile SW of Te	errysville Cemetery
Physical Location:			s, Gonzales County,						,u
26. Nearest City						State		Nea	rest ZIP Code
Gonzales						TX		786	
Latitude/Longitude are rused to supply coordinat						ards. (Geod	coding of the	e Physical	Address may be
27. Latitude (N) In Decim	ial:	29.375966		28.	Longitude (	W) In Decir	nal:	-97.4273	72
Degrees	Minutes		Seconds	Degr	ees	М	inutes		Seconds
29. Primary SIC Code	30.	Secondary SIC	Code	31. Prima	ry NAICS Co	ode '	32. Secon	dary NAI	CS Code
(4 digits)	(4 d	igits)		(5 or 6 dig	its)		(5 or 6 digi	ts)	
1459				212325					
33. What is the Primary E	Business of t	his entity? (C	o not repeat the SIC	or NAICS desc	ription.)				
Montmorillonite clay mining									
34. Mailing	1212 Churc	ch Street							
Address:	City	Gonzales	State	тх	ZIP	78629		ZIP + 4	
3S. E-Mail Address:									
36. Telephone Number			37. Extension or	Code	38. F	ax Numbe	(if applicable	e)	
(630)672-1907					(	) -			

**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.

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☐ Dam Safety		Districts	Edwards Aquifer		Emissions Inventory	Air	☐ Industrial Hazardous Waste
Municipal Sol	id Waste	New Source Review Air	OSSF		Petroleum Storage T	ank	☐ PWS
Sludge		Storm Water	☐ Title V Air		Tires		Used Oil
☐ Voluntary Clea	anup		☐ Wastewater Agricu	lture	Water Rights		Other:
		WQ0003306000					
SECTION	IV: Pr	eparer Inf	formation				
<b>40. Name</b> : C	harles Frederi	ck		41. Title:	Environmental Eng	ineer	
42. Telephone Nu	ımber	43. Ext./Code	44. Fax Number	45. E-Mail A	Address		
(830)672-1907			(830) 672-1920	charles.frede	rick@altana.com		
SECTION	V: Au	thorized S	ignature				
6. By my signature b	pelow, I certify	, to the best of my kno					nd that I have signature authority ied in field 39.
Company:	BYK USA II	NC		Job Title:	Plant Manager		
Name (In Print):	Glenn Wes	st		J	Phon	e: (	830 ) 672- <b>1986</b>
Signature:	991	1000 10	ent		Date:	1	03-26-2025



#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you 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. After filling in the information for your facility delete these instructions.

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.

BYK USA INC (CN605351204) operates JOHNSON CLAY MINES (RN102074945), a Clay (calcium bentonite) mine SIC 1459. The facility is located at Adjacent to an unnamed rd approx 5.4 mile S of intersection FM3282 & US HWY 183 & approx. 1.5 mile SW of Terrysville Cemetery South of the City of Gonzales, in Gonzales, Gonzales County, Texas 78629. This appliaction is for a renewal to discharge 300,000 gallons daily of wastewater on a intermittent basis.

Discharges from the facility are expected to contain CBOD, Total Organic Carbon, Dissolved Oxygen, Total Suspended Solids, Total Organic Nitrogen, Total Phosphorus, Total Dissolved Solids, Sulfate, Chloride, Fluoride, Total Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Lead, Mercury, Nickel, and Zinc. It is Industrial wastewater as a result of rainwater entering mining pits is treated by The mine site has one (1) open pit and several clay and overburden stockpiles. All clay is transported from the mine site to the Gonzales Mill for

processing. All stockpiles and open pit mines are protected with berms to prevent rainfall run-on and retain any runoff. Runoff from stockpiles is diverted back to the open pit mine using berms and grading. If sufficient rainfall occurs, a pump is used at the open pit mine to discharge via Outfall 001. Settling of total suspended solids (colloidal clay) occurs in the open pit as well as across vegetation when discharge occurs due to rainfall events.

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

#### AGUAS RESIDUALES INDUSTIRALES /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.

BYK USA INC (CN605351204) opera JOHNSON CLAY MINES (RN102074945), una mina de arcilla (bentonita cálcica) SIC 1459. La instalación está ubicada en junto a una carretera sin nombre, aproximadamente a 8,7 km al sur de la intersección de FM3282 y la autopista US 183, y a aproximadamente 2,4 km al suroeste del cementerio de Terrysville, al sur de la ciudad de Gonzales, en Gonzales, Condado de Gonzales, Texas 78629. Esta solicitud solicita la renovación del permiso para descargar 113.968 litros diarios de aguas residuales de forma intermitente.

Se espera que las descargas de la instalación contengan CBOD, carbono orgánico total, oxígeno disuelto, sólidos suspendidos totales, nitrógeno orgánico total, fósforo total, sólidos disueltos totales, sulfato, cloruro, fluoruro, alcalinidad total, aluminio, antimonio, arsénico, bario, berilio, plomo, mercurio, níquel y zinc.. Es Las aguas residuales industriales como resultado del agua de lluvia que ingresa a los pozos mineros. estará tratado por El sitio de la mina tiene un (1) tajo abierto y varias pilas de arcilla y sobrecarga. Toda la arcilla se transporta desde el sitio de la mina hasta el molino Gonzales para su procesamiento. Todas las pilas de almacenamiento y las minas a cielo abierto están protegidas con bermas para evitar la escorrentía de la lluvia y retener cualquier escorrentía. La escorrentía de las pilas de almacenamiento se desvía de regreso a la mina a cielo abierto mediante bermas y nivelación. Si se producen suficientes precipitaciones, se utiliza una bomba en la mina a cielo abierto para descargar a través del emisario 001. La sedimentación de sólidos suspendidos totales (arcilla coloidal) se produce en la mina a cielo abierto, así como en la vegetación cuando se produce una descarga debido a las precipitaciones.

#### 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.

11(	on the relig waste remitts division of the religion remitts division may be needed.
It	em 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).
	Clay (calcium bentonite) mining SIC 1459
b.	Describe all wastewater-generating processes at the facility.
	The mine site has one (1) open pit and several clay and overburden stockpiles. All clay is transported from the mine site to the Gonzales Mill for processing. All stockpiles and open pit mines are protected with berms to prevent rainfall run-on and retain any runoff. Runoff from stockpiles is diverted back to the open pit mine using berms and grading. If sufficient rainfall occurs, a pump is used at the open pit mine to discharge via Outfall 001.

 $\underline{https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES\_industrial\_wastewater\_st}\\ \underline{eps.html}$ 

c. Provide a list of raw materials, major intermediates, and final products handled at the facility. **Materials List Raw Materials** Intermediate Products **Final Products** Bentonite Clay (CAS# 1302-None None 78-9) 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: E-1 e. Is this a new permit application for an existing facility? Yes X No If **yes**, provide background discussion: N/A f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level. X Yes No

List source(s) used to determine 100-year frequency flood plain: <u>FEMA FIRMs for Gonzales</u> County & City of Gonzales

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

Attachment: F-1

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

	□ Yes □ No ⊠ N/A (renewal only)
h.	If <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: <u>N/A</u>
	If ${\bf no}$ , provide an approximate date of application submittal to the USACE: ${\bf N/A}$
It	em 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.
	Settling of total suspended solids (colloidal clay) occurs in the open pit as well as across vegetation when discharge occurs due to rainfall events.
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: N/A
Ite	em 3. Impoundments (Instructions, Page 40)
Do	es the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds?)
	□ Yes ⊠ No
3.e	no, proceed to Item 4. If yes, complete Item 3.a for existing impoundments and Items 3.a for new or proposed impoundments. NOTE: See instructions, Pages 40-42, for additional ormation on the attachments required by Items 3.a – 3.e.
	Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.
	Use Designation: Indicate the use designation for each impoundment as Treatment (T),

Disposal (**D**), Containment (**C**), or Evaporation (**E**).

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

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

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

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

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

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

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

#### **Impoundment Information**

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)		11		
Width (ft)				
Max Depth From Water Surface (ft), Not Including Freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

Attachment: N/A

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

b.	ite		If attache				ents, attach any available information on the following ne appropriate box. Otherwise, check <b>no</b> or <b>not yet</b>
	1.	Lin	er data				
			Yes		No		Not yet designed
	2.	Lea	k detecti	on sy	ystem or	grou	ndwater monitoring data
			Yes		No		Not yet designed
	3.	Gro	undwate	r imj	pacts		
			Yes		No		Not yet designed
							he bottom of the pond is not above the seasonal high- vater-bearing zone.
	Att	ach	ment: N/	<u>A</u>			

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	29.379167 N	97.427222 W

#### **Outfall Location Description**

Outfall No.	Location Description
001	Site drainage feature roughly parallel to and west of access road, discharging to culvert under County Road 2292

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

Outfall No.	Description of sampling point
001	At pump discharge

#### 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	Intermittent and flow variable	Intermittent and flow variable	Intermittent and flow variable	Intermittent and flow variable	Depending on requirement

#### Outfall Discharge - Method and Measurement

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

#### **Outfall Discharge - Flow Characteristics**

Outfall No.		Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	Y	N	N	12	As required	As required

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)
Outfall Waste	atroom Contri	hutions				
Outfall No. <u>00</u>	estream Contri	butions				
	g Wastestream	1	Volume (MGD	)	Percent (%) of	f Total Flow
Stormwater : future mines	from stockpiles	s and	Variable		100%	
Outfall No. <u>N/A</u> Contributing	<u>A</u> g Wastestream	\	olume (MGD)	) [1	Percent (%) of	Total Flow
utfall No. <u>N/</u> A						
	<u>Wastestream</u>	V	olume (MGD)	I	Percent (%) of	Total Flow

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

Attachment: N/A

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

a.	Indicate if	the	facility	currently	or	proposes	to:
----	-------------	-----	----------	-----------	----	----------	-----

- ☐ Yes ☒ No Use cooling towers that discharge blowdown or other wastestreams
- ☐ Yes ☒ No Use boilers that discharge blowdown or other wastestreams
- ☐ Yes ☒ No Discharge once-through cooling water

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

- b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.
  - Manufacturers Product Identification Number
  - Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
  - Chemical composition including CASRN for each ingredient
  - Classify product as non-persistent, persistent, or bioaccumulative
  - Product or active ingredient half-life
  - Frequency of product use (e.g., 2 hours/day once every two weeks)
  - Product toxicity data specific to fish and aquatic invertebrate organisms
  - Concentration of whole product or active ingredient, as appropriate, in wastestream.

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

Attachment: N/A

c. Cooling Towers and Boilers

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

#### **Cooling Towers and Boilers**

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

Item 6. Stormwater Management (I	nstructions, Page 44)
Will any existing/proposed outfalls discharge storms as defined at 40 CFR § 122.26(b)(14), commingled w	
⊠ Yes □ No	
If <b>yes</b> , briefly describe the industrial processes and a manner which may result in exposure of the activitie runoff from stockpiles and overburden piles is diverted by grading. If sufficient rainfall occurs, a pump is used at the	es or materials to stormwater: <u>Storm water</u> ck to the open pit mine using berms and
Item 7. Domestic Sewage, Sewage S	Sludge, and Septage
Management and Disposal (	
<b>Domestic Sewage</b> - Waste and wastewater from hur discharged to a wastewater collection system or other	
a. Check the box next to the appropriate method of sludge treatment or disposal. Complete Workshee	O O
Domestic sewage is routed (i.e., connected to or receive domestic sewage for treatment, disposa	
Domestic sewage disposed of by an on-site septem 7.b.	tic tank and drainfield system. Complete
☐ Domestic and industrial treatment sludge ARE	commingled prior to use or disposal.
Industrial wastewater and domestic sewage are sludge IS NOT commingled prior to sludge use	
$\square$ Facility is a POTW. Complete Worksheet 5.0.	
☐ Domestic sewage is not generated on-site.	
☑ Other (e.g., portable toilets), specify and Compl	lete Item 7.b: Portable toilet
b. Provide the name and TCEQ, NPDES, or TPDES Per which receives the domestic sewage/septage. If ha name and TCEQ Registration No. of the hauler.	
Domestic Sewage Plant/Hauler Name	
Plant/Hauler Name	Permit/Registration No.
THE OUTHOUSE COMPANY	22795
Item 8. Improvements or Complian	ce/Enforcement
Requirements (Instructions,	
a. Is the permittee currently required to meet any im	ibiementation schedule for compliance or

enforcement?

☐ Yes ☑ No

b.	Has the permittee completed or planned for any improvements or construction projects?  ☐ Yes ☑ No					
c.	If $yes$ to either 8.a or 8.b, provide a brief summary of the requirements and a status update: $N/A$					
It	tem 9. Toxicity Testing (Instructions, Page 45)					
	ave 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					
	<b>yes</b> , identify the tests and describe their purposes: <u>N/A</u>					
	dditionally, attach a copy of all tests performed which have not been submitted to the TCEQ PPA. Attachment: $N/A$					
It	em 10. Off-Site/Third Party Wastes (Instructions, Page 45)					
a.	Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?					
	□ Yes ⊠ No					
	If yes, provide responses to Items 10.b through 10.d below.					
	If <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).					
	<ul> <li>Identify the sources of wastes received (including the legal name and addresses of the generators).</li> </ul>					
	• Description of the relationship of waste source(s) with the facility's activities.					
	Attachment: N/A					
c.	Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?					
	□ Yes □ No					
	If <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: N/A					
d.	Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?					
	□ Yes □ No					
[f y	ves, Worksheet 6.0 of this application is required.					

# Item 11. Radioactive Materials (Instructions, Page 46)

a	. Are/will radioactive materials be mined, used, stored	, or processed at this facility?
	□ Yes ⊠ No	
	If <b>yes</b> , use the following table to provide the results or radioactive materials that may be present. Provide re	
_	adioactive Materials Mined, Used, Stored, or Processed	
	Radioactive Material Name	Concentration (pCi/L)
	N/A	N/A
b.	<ul> <li>Does the applicant or anyone at the facility have any radioactive materials may be present in the discharge radioactive materials in the source waters or on the formula in the source waters.</li> <li>□ Yes ⋈ No</li> </ul>	e, including naturally occurring
	If <b>yes</b> , use the following table to provide the results of radioactive materials that may be present. Provide resinformation provided in response to Item 11.a.	
_	adioactive Materials Present in the Discharge	
	Radioactive Material Name	Concentration (pCi/L)
_ N	N/A	N/A
_		
-		
It	em 12. Cooling Water (Instructions,	Page 46)
a.	Does the facility use or propose to use water for cooli	ng purposes?
	□ Yes ⊠ No	
	If <b>no</b> , stop here. If <b>yes</b> , complete Items 12.b thru 12.f.	
b.	Cooling water is/will be obtained from a groundwater	source (e.g., on-site well).
	□ Yes □ No	
	If <b>yes</b> , stop here. If <b>no</b> , continue.	
c.	Cooling Water Supplier	
	1. Provide the name of the owner(s) and operator(s) f supply water for cooling purposes to the facility.	or the CWIS that supplies or will

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

CWIS ID	N/A	N/A	N/A	N/A	
Owner	N/A	N/A	N/A	N/A	
Operator	N/A	N/A	N/A	N/A	

	2.	Cooling v	vater is/v	will be	e obtained from a Public Water Supplier (PWS)
			Yes		No
		If <b>no</b> , con	itinue. If	yes, ]	provide the PWS Registration No. and stop here: <u>PWS No.</u> N/A
	3.	Cooling v	vater is/v	will be	e obtained from a reclaimed water source?
			Yes		No
		If <b>no</b> , con	tinue. If	yes, p	provide the Reuse Authorization No. and stop here: N/A
	4.	Cooling w	vater is/v	vill be	e obtained from an Independent Supplier
			Yes		No
					2.d. If <b>yes</b> , provide the actual intake flow of the Independent will be used to provide water for cooling purposes and proceed:
d.	31	6(b) Gener	al Criteri	ia	
	1.				ovide water for cooling purposes to the facility has or will have a see flow of 2 MGD or greater.
			Yes		No
	2.				water withdrawn by the CWIS is/will be used at the facility ourposes on an annual average basis.
			Yes		No
	3.				/propose(s) to withdraw water for cooling purposes from the definition of Waters of the United States in 40 CFR §
			Yes		No
					ation of how the waterbody does not meet the definition of ites in 40 CFR § 122.2: N/A
					Item 12.d, the facility <b>meets</b> the minimum criteria to be subject tion 316(b) of the CWA. Proceed to <b>Item 12.f</b> .
be	sub	ject to the	full requ	irem	Item 12.d, the facility <b>does not meet</b> the minimum criteria to ents of Section 316(b) of the CWA; however, a determination is eed to <b>Item 12.e</b> .
e.					he minimum requirements to be subject to the fill requirements proposes to use cooling towers.
		Yes 🗆	No		

Oi	il 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 $\S$ 125.92(k) or a new unit at an existing facility as defined at 40 CFR $\S$ 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	ompliance 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
	<ul> <li>Attach information required by 40 CFR § 125.86(c).</li> </ul>
	Attachment: <u>N/A</u>
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 $\mathbf{yes}$ , check the box next to the compliance track selection and provide the requested information.
	□ Track I – Fixed facility
	• Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.
	□ Track I - Not a fixed facility
	• Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).

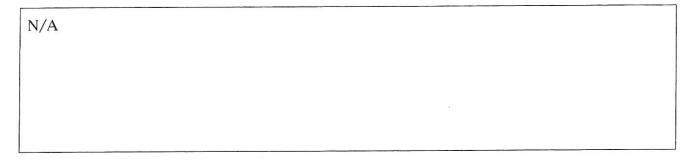
If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ.

f.

g.

	<ul> <li>Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.</li> </ul>
	Attachment: N/A
It	em 13. Permit Change Requests (Instructions, Page 48)
Th	ais item is only applicable to existing permitted facilities.
a.	Is the facility requesting a <b>major amendment</b> 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
	In the facility was acting any prince and difficultive to the converted
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.

Track II - Fixed facility



### 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
  - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

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

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

#### **CERTIFICATION:**

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

Printed Name: Glenn West

Title: Plant Manager

Signature: \_

Date: 03-26-2025

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 1.0: EPA CATEGORICAL EFFLUENT GUIDELINES

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

Item 1. Catego	orical Industries	(Instructions, I	Page 53)
Is this facility subject	t to any 40 CFR categoric	cal ELGs outlined on pa	age 53 of the instructions?
⊠ Yes □ No			
If <b>no</b> , this worksheet	is not required. If <b>yes</b> , p	rovide the appropriate	information below.
40 CFR Effluent Guide	line		
Industry			40 CFR Part
Mineral Mining and	Processing		436
Item 2. Produc	ction/Process Da	ta (Instruction	s. Page 54)
of oil and gas explora	ition and production was er the Oil and Gas Extract	tewater (discharges in	nit coverage for discharges to or adjacent to water in es - 40 CFR Part 435), see
a. Production Data			
Provide appropriate d	lata for effluent guidelin	es with production-bas	sed effluent limitations.
Production Data			
Subcategory	Actual Quantity/Day	Design Quantity/Da	y Units
N/A	N/A	N/A	N/A
			ž.

### b. Organic Chemicals, Plastics, and Synthetic Fibers Manufacturing Data (40 CFR Part 414) Provide each applicable subpart and the percent of total production. Provide data for metalbearing and cyanide-bearing wastestreams, as required by 40 CFR Part 414, Appendices A and B. Percentage of Total Production Percent of Total Appendix A and B -Appendix A -Subcategory **Production** Metals **Cyanide** N/A N/A N/A N/A c. Refineries (40 CFR Part 419) Provide the applicable subcategory and a brief justification. N/A Item 3. Process/Non-Process Wastewater Flows (Instructions, **Page 54)** Provide a breakdown of wastewater flow(s) generated by the facility, including both process and non-process wastewater flow(s). Specify which wastewater flows are to be authorized for discharge under this permit and the disposal practices for wastewater flows, excluding domestic, which are not to be authorized for discharge under this permit. Discharged water from the facility are limited to infiltrated groundwater and storm water runoff.

### 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
Mineral Mining and Processing	436	V	March 1990

# 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): No samples collected for the analytical data in Tables 1 and 2. Last discharge from the site was on 04/121/2022. Minimal activity on this site. Runoff from stockpiles is diverted back to the open pit mine using berms and grading.
- b. 

  Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** G

#### 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.

	17109		
Table 1 for Outfall No.: 001	Samples are (check one): □	Commonito	Cunh
Table 1 for Outlan No.: 001	Samples are (check one):	Composite	Grad

BOD (5-day)       <1.00         CBOD (5-day)       5.00         Chemical oxygen demand       <5.00         Total organic carbon       1.82         Dissolved oxygen       7.1         Ammonia nitrogen       <0.100         Total suspended solids       8.85         Nitrate nitrogen       <0.100         Total organic nitrogen       0.260         Total phosphorus       0.172         Oil and grease       <1.43	Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Chemical oxygen demand<5.00Total organic carbon1.82Dissolved oxygen7.1Ammonia nitrogen<0.100	BOD (5-day)	<1.00			
Total organic carbon  Dissolved oxygen  7.1  Ammonia nitrogen  Total suspended solids  Nitrate nitrogen  Total organic nitrogen  O.260  Total phosphorus  0.172	CBOD (5-day)	5.00			
Dissolved oxygen 7.1  Ammonia nitrogen <0.100  Total suspended solids 8.85  Nitrate nitrogen <0.100  Total organic nitrogen 0.260  Total phosphorus 0.172	Chemical oxygen demand	<5.00			
Ammonia nitrogen <0.100  Total suspended solids 8.85  Nitrate nitrogen <0.100  Total organic nitrogen 0.260  Total phosphorus 0.172	Total organic carbon	1.82	1		
Total suspended solids 8.85  Nitrate nitrogen <0.100  Total organic nitrogen 0.260  Total phosphorus 0.172	Dissolved oxygen	7.1			
Nitrate nitrogen <0.100  Total organic nitrogen 0.260  Total phosphorus 0.172	Ammonia nitrogen	<0.100			
Total organic nitrogen 0.260 Total phosphorus 0.172	Total suspended solids	8.85			
Total phosphorus 0.172	Nitrate nitrogen	<0.100			
	Total organic nitrogen	0.260			
Oil and grease <1.43	Total phosphorus	0.172			
	Oil and grease	<1.43			

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total residual chlorine	0			
Total dissolved solids	410			
Sulfate	110			
Chloride	47.5			
Fluoride	0.172			
Total alkalinity (mg/L as CaCO3)	20.9			
Temperature (°F)	74.7			
pH (standard units)	6.78			

Table 2 for Outfall No.: <u>001</u>		Samples a	re (check one):	□ Compos	ite 🛭 Grab
Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	1410				2.5
Antimony, total	0.806				5
Arsenic, total	1.85				0.5
Barium, total	56.6				3
Beryllium, total	0.349		V		0.5
Cadmium, total	<0.300				1
Chromium, total	<2.00				3
Chromium, hexavalent	<3.00				3
Chromium, trivalent	<2.00			*	N/A
Copper, total	<1.00				2
Cyanide, available	<0.0100				2/10
Lead, total	1.89				0.5
Mercury, total	0.00600				0.005/0.0005
Nickel, total	1.58				2
Selenium, total	<2.00				5
Silver, total	<0.500				0.5
Thallium, total	<0.500				0.5
Zinc, total	23.6				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.: oo1
 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)*
Acrylonitrile	<15.0				50
Anthracene	<3.00			*	10
Benzene	<1.00				10
Benzidine	<4.93				50
Benzo(a)anthracene	<1.97				5
Benzo(a)pyrene	<1.97				5
Bis(2-chloroethyl)ether	<1.97				10
Bis(2-ethylhexyl)phthalate	<1.97				10
Bromodichloromethane [Dichlorobromomethane]	<1.00				10
Bromoform	<1.00				10
Carbon tetrachloride	<1.00				2
Chlorobenzeņe	<1.00				10
Chlorodibromomethane [Dibromochloromethane]	<1.00				10
Chloroform	<1.00				10
Chrysene	<1.97				5
m-Cresol [3-Methylphenol]	<1.97				10
o-Cresol [2-Methylphenol]	<1.97				10
p-Cresol [4-Methylphenol]	<1.97				10
1,2-Dibromoethane	<1.00			1	10
m-Dichlorobenzene [1,3-Dichlorobenzene]	<1.00				10
o-Dichlorobenzene [1,2-Dichlorobenzene]	<1.00				10
p-Dichlorobenzene [1,4-Dichlorobenzene]	<1.00				10
3,3'-Dichlorobenzidine	<1.97				5
1,2-Dichloroethane	<1.00				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]	<1.00				10
Dichloromethane [Methylene chloride]	<1.00				20
1,2-Dichloropropane	<1.00				10
1,3-Dichloropropene [1,3-Dichloropropylene]	<1.00			5	10
2,4-Dimethylphenol	<1.97				10
Di-n-Butyl phthalate	<3.94				10
Ethylbenzene	<1.00				10
Fluoride	0.172		8		500
Hexachlorobenzene	<1.97				5
Hexachlorobutadiene	<1.97				10
Hexachlorocyclopentadiene	<1.97				10
Hexachloroethane	<1.97				20
Methyl ethyl ketone	<15.0				50
Nitrobenzene	<1.97				10
N-Nitrosodiethylamine	<1.97				20
N-Nitroso-di-n-butylamine	<1.97				20
Nonylphenol	<69.0				333
Pentachlorobenzene	<1.97				20
Pentachlorophenol	<1.97				5
Phenanthrene	<1.97				10
Polychlorinated biphenyls (PCBs) (**)	<0.0989				0.2
Pyridine	<3.94				20
1,2,4,5-Tetrachlorobenzene	<1.97				20
1,1,2,2-Tetrachloroethane	<1.00				10
Tetrachloroethene [Tetrachloroethylene]	<2.00				10
Toluene	<2.00				10
1,1,1-Trichloroethane	<1.00				10
1,1,2-Trichloroethane	<1.00				10
Trichloroethene	<1.00				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	<1.97				50
TTHM (Total trihalomethanes)	<5.00				10
Vinyl chloride	<1.00				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

b.

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/commercia operations listed below?
□ Yes ⊠ No
If <b>yes</b> , check the box next to each of the following criteria which apply and provide the appropriate testing results in Table 4 below (check all that apply).
Manufacturers and formulators of tributyltin or related compounds.
Painting of ships, boats and marine structures.
☐ Ship and boat building and repairing.
Ship and boat cleaning, salvage, wrecking and scaling.
Operation and maintenance of marine cargo handling facilities and marinas.
☐ Facilities engaged in wood preserving.
Any other industrial/commercial facility for which tributyltin is known to be present, or for which there is any reason to believe that tributyltin may be present in the effluent.
Enterococci (discharge to saltwater)
This facility discharges/proposes to discharge directly into saltwater receiving waters <b>and</b> Enterococci bacteria are expected to be present in the discharge based on facility processes
□ Yes ⊠ No
Domestic wastewater is/will be discharged.
□ Yes ⊠ No
If <b>yes to either</b> 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	dischar	ges/pro	poses t	o disch	iarge d	irectly	into	freshwa	ter rec	eiving	waters	and
E. co.	<i>li</i> bacter	ia are e	expected	to be p	oresent	in the	discha	rge b	ased on	facilit	y proc	esses.	

□ Yes ⊠ No

Domestic wastewater is/will be discharged.

□ Yes ⊠ No

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

Table 4 for Outfall No.: N/A	Samples are (check one): □	Con

Composite		Grab
Composite	-	GIUD

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.:  $\underline{N/A}$  Samples are (check one):  $\square$  Composite  $\square$  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.: N/A Samples are (check one):  $\square$  Composite  $\square$  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		THE REAL PROPERTY.					400
Color (PCU)							_
Nitrate-Nitrite (as N)							_
Sulfide (as S)							32 <del></del> 3)
Sulfite (as SO3)							_
Surfactants							11
Boron, total							20
Cobalt, total							0.3
Iron, total							7
Magnesium, total					- 1 - 2 - 2 - 3 - 1		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** 

In	dustrial Category	40 CFR Part		latiles ble 8		ids ble 9	Ne	ses/ utrals ble 10		sticides ble 11
	Adhesives and Sealants		[6]	Yes		Yes		Yes	No	
	Aluminum Forming	467		Yes		Yes		Yes	No	
	Auto and Other Laundries			Yes		Yes		Yes		Yes
	Battery Manufacturing	461		Yes	No	Ņ.		Yes	No	
	Coal Mining	434	No		No	N. Committee	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	6	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		rk		*
	Pulp and Paperboard Mills - Subparts I, J, L	430		Yes		Yes		rk		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.: N/A Samples are (check one):  $\square$  Composite  $\square$  Grab

Pollutant	Sample 1	Sample 2	Sample 3	Sample 4	MAL
	(μg/L)*	(μg/L)*	(μg/L)*	(μg/L)*	(μg/L)
Acrolein					50
Acrylonitrile					50
Benzene					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane					10
Chloroethane					50
2-Chloroethylvinyl ether					10
Chloroform					10
Dichlorobromomethane [Bromodichloromethane]					10
1,1-Dichloroethane			11/20		10
1,2-Dichloroethane					10
1,1-Dichloroethylene [1,1-Dichloroethene]					10
1,2-Dichloropropane					10
1,3-Dichloropropylene [1,3-Dichloropropene]					10
Ethylbenzene					10
Methyl bromide [Bromomethane]					50
Methyl chloride [Chloromethane]					50
Methylene chloride [Dichloromethane]					20
1,1,2,2-Tetrachloroethane		G			10
Tetrachloroethylene [Tetrachloroethene]					10
Toluene					10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]					10

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

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

Table 9 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Samples are (check one).						
Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (μg/L)		
12				10		
				10		
				10		
				50		
				50		
				20		
				50		
				10		
				5		
				10		
				10		
	Sample 1	Sample 1 Sample 2	Sample 1   Sample 2   Sample 3	Sample 1   Sample 2   Sample 3   Sample 4		

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

Table 10 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Para ma (caracia one).					
Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (μg/L)	
				10	
				10	
				10	
				50	
				5	
				5	
				10	
				20	
				5	
				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>N/A</u> Pollutant	Sample 1	Sample 2	Sample 3			
ronutant	mple 1 (μg/L)*	(μg/L)*	(μg/L)*	(μg/L)*	MAL (μg/L)	
Aldrin					0.01	
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05	
beta-BHC [beta-Hexachlorocyclohexane]					0.05	
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05	
delta-BHC [delta-Hexachlorocyclohexane]					0.05	
Chlordane					0.2	
4,4'-DDT					0.02	
4,4'-DDE					0.1	
4,4'-DDD					0.1	
Dieldrin					0.02	
Endosulfan I (alpha)					0.01	
Endosulfan II (beta)					0.02	
Endosulfan sulfate					0.1	
Endrin					0.02	
Endrin aldehyde					0.1	
Heptachlor					0.01	
Heptachlor epoxide					0.01	
PCB 1242					0.2	
PCB 1254					0.2	
PCB 1221					0.2	
PCB 1232					0.2	
PCB 1248					0.2	

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

<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
Des	cription: <u>N/A</u>
41-	

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: <u>N/A</u>

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

Table 12 for Outfall No.: N/A Samples are (check one):  $\square$  Composite  $\square$  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 Concentra (ppt)		icity ivalents	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							
Are there any policional discharge?  Yes  Are there pollutate discharge and  Yes	13 <b>is require</b> ollutants listed  No  ants listed in 1  nd have not be  No  tems a <b>or</b> b, c	d for all external d in the instruction Item 1.c. of Techreen analytically que	ons (pages 55-6 nical Report 1. nantified elsew	62) believed (	present in pelieved pr	the resent in	
Pollutant		SRN Sample	<del>-</del>		Sample	Analyti	
Junuin	CAL	μg/L)	(μg/L)	_	4 (μg/L)	Method	

### INDUSTRIAL WASTEWATER PERMIT APPLICATION **WORKSHEET 3.0: LAND APPLICATION OF EFFLUENT**

This worksheet is required for all applications for a permit to disposal of wastewater by land application (i.e., TLAP)).

### Item 1. Type of Disposal System (Instructions, Page 69)

Cn	eck the box next to t	ne type of land disposa	ai requ	ested by this application	i.	
	Irrigation			Subsurface application		
	Evaporation		1500 to 1500 t	Subsurface soils absorp	otion	
	Evapotranspiration beds			Surface application		
	$\square$ Drip irrigation system $\square$ Other, specify: $\underline{N/A}$					
Lan	d Application Area In	formation		ructions, Page 6		
Effluent Application (gallons/day)				cribe land use & cate type(s)	Public Access? (Y/N)	

# Item 3. Annual Cropping Plan (Instructions, Page 69)

Attach the required cropping plan that includes each of the following:

- Cool and warm season plant species
- Breakdown of acreage and percent of total acreage for each crop
- Crop growing season
- Harvesting method/number of harvests
- Minimum/maximum harvest height
- Crop yield goals
- Soils map
- Nitrogen requirements per crop
- Additional fertilizer requirements
- Supplemental watering requirements
- Crop salt tolerances
- Justification for not removing existing vegetation to be irrigated

Attachment: N/A

# Item 4. Well and Map Information (Instructions, Page 70)

a.	Check each box to confirm the required information is shown and labeled on the attached USGS map:							
		The e	xact boundaries of the	land applicat	ion area			
		On-si	te buildings					
		Waste	e-disposal or treatmen	t facilities				
		Efflue	ent storage and tailwat	er control faci	lities			
		Buffe	r zones					
		All su	rface waters in the sta	te onsite and	within 500 feet of the pr	coperty boundaries		
	□ bou	All wa ındarie		e of the dispo	sal site, wastewater pon	ds, or property		
		All sp	rings and seeps onsite	and within 50	00 feet of the property b	oundaries		
	Atta	achmei	nt: <u>N/A</u>					
	was nece	tewate essary	r ponds, or property b to include all of the w	oundaries in t	on or within 500 feet on the following table. Attac			
			information Table	Dwo dwoin a?	Onen seed seemed	Drawaged Post		
1 1/1/	ell ID		Well Use	<b>Producing?</b>	Open, cased, capped,	Proposed Best		
''		1	An St Holosophi dispanishment	Y/N/U	or plugged?	Management Practice		
7,743,50	<u>/A</u>		<u>N/A</u>		or plugged?  N/A	Management Practice N/A		
7,743,50			N/A	Y/N/U				
7,743,50			N/A	Y/N/U				
7,743,50			N/A	Y/N/U				
7,743,50			N/A	Y/N/U				
7,743,50			N/A	Y/N/U				
Att	/A	nent: 1	N/A	Y/N/U N/A	N/A	N/A		
Att	A Chr Grou	undwat	N/A ter monitoring wells on a site or wastewater po	Y/N/U N/A lysimeters ar		N/A		
Att c.	achr Grou appl	undwat lication J Yes	N/A ter monitoring wells on a site or wastewater po	Y/N/U N/A  r lysimeters aronds.	N/A  e/will be installed arour	N/A  nd the land		
Att c.	achr Grou appl If ye site	undwat lication Yes es, prov map at neters,	N/A ter monitoring wells on a site or wastewater poors  No wide the existing/propertached for Item 4.a. Ac	Y/N/U  N/A  lysimeters are onds.  osed location odditionally, att	N/A	nd the land or lysimeters on the depth of the wells or		
Att c.	achr Grou appl If ye site i lysin mod	undwat lication Yes es, prov map at neters,	N/A  ter monitoring wells on a site or wastewater poor side the existing/proportached for Item 4.a. As sampling schedule, aron, and approval.	Y/N/U  N/A  lysimeters are onds.  osed location odditionally, att	e/will be installed arour	nd the land or lysimeters on the depth of the wells or		

Attachment:

# Item 5. Soil Map and Soil Information (Instructions, Page 71)

Check each box to confirm that the following information is attached:

- a. USDA NRCS Soil Survey Map depicting the area to be used for land application with the locations identified by fields and crops.
- b. 

  Breakdown of acreage and percent of total acreage for each soil type.
- c. ☐ Copies of laboratory soil analyses. Attachment: N/A

# Item 6. Effluent Monitoring Data (Instructions, Page 72)

a. Completion of Table 14 **is required** for all **renewal** and **major amendment** applications. Complete the table with monitoring data for the previous two years for all parameters regulated in the current permit. An additional table has been provided with blank headers for parameters regulated in the current permit which are not listed in Table 14.

	or Outfall No.: ]				e (check one): □	Composite 🗆 Grab		
Date (mo/yr)	Daily Avg Flow (gpd)	BOD5 (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
<u> </u>							1	
•								
						<u> </u>		

Date (mo/yr)	Daily Avg Flow (gpd)	BOD5 (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)

b. Use this table to provide effluent analysis for parameters regulated in the current permit which are not listed in Table 14.

#### **Additional Parameter Effluent Analysis**

Date (mo/yr)			
N/A			
-			

c. Attach an explanation of all persistent excursions to permitted parameters and corrective actions taken. Attachment: N/A

# Item 7. Pollutant Analysis (Instructions, Page 72)

a. Provide the date range of submitted with this app						tical data
b.   Check the box to contact the date of application is			nples were	collected no m	ore than 12 r	nonths prior to
c. Complete Tables 15 and	l 16.					
Table 15 for Outfall No.: <u>N/A</u>	<u> </u>		Samples	are (check one	): □ Compos	ite □ Grab
Pollutant		1	nple 1 g/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	a					
Dissolved oxygen						
Ammonia nitrogen					-	
Total suspended solids						
Nitrate nitrogen						
Total organic nitrogen						
Total phosphorus			,			
Oil and grease						
Total residual chlorine						18
Total dissolved solids						
Sulfate				<del></del>		
Chloride						
Fluoride						
Total alkalinity (mg/L as C	aCO3)					
Temperature (°F)						
pH (standard units)						
Table 16 for Outfall No.: <u>N/A</u>			Samples	are (check one)	:   Composi	te □ Grab
Pollutant	Sample (µg/L)	1	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (μg/L)
Aluminum, total						2.5
Antimony, total					5	

Arsenic, total Barium, total 0.5

3

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (μg/L)
Beryllium, total					0.5
Cadmium, total					1
Chromium, total					3
Chromium, hexavalent					3
Chromium, trivalent					N/A
Copper, total					2
Cyanide, available					2/10
Lead, total					0.5
Mercury, total					0.005/0.0005
Nickel, total					2
Selenium, total					5
Silver, total					0.5
Thallium, total					0.5
Zinc, total					5.0

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.1: SURFACE LAND APPLICATION AND APPLICATION

This worksheet **is required** for all applications for a permit to disposal of wastewater by surface land application or evaporation.

# Item 1. Edwards Aquifer (Instructions, Page 73)

- a. Is the facility subject to 30 TAC Chapter 213, Edwards Aquifer Rules?

  Yes No

  If no, proceed to Item 2. If yes, complete Items 1.b and 1.c.
  b. Check the box next to the subchapter applicable to the facility.

  30 TAC Chapter 213, Subchapter A

  30 TAC Chapter 213, Subchapter B
- c. If *30 TAC Chapter 213, Subchapter A* applies, attach **either**: 1) a Geologic Assessment (if conducted in accordance with *30 TAC § 213.5*) **or** 2) a report that contains the following:
  - A description of the surface geological units within the proposed land application site and wastewater pond area.
  - The location and extent of any sensitive recharge features in the land application site and wastewater pond area
  - A list of any proposed BMPs to protect the recharge features.

Attachment: N/A

# Item 2. Surface Spray/Irrigation (Instructions, Page 73)

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): N/A

Design application rate (acre-ft/acre/yr): N/A

Design application frequency (hours/day): N/A

Design application frequency (days/week): N/A

Design total nitrogen loading rate (lbs nitrogen/acre/year): N/A

Average slope of the application area (percent): N/A

Maximum slope of the application area (percent): N/A

Irrigation efficiency (percent): N/A

Effluent conductivity (mmhos/cm): N/A

Soil conductivity (mmhos/cm): N/A

Curve number: N/A

Describe the application method and equipment: N/A

b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance. **Attachment:** N/A

### Item 3. Evaporation Ponds (Instructions, Page 74)

- a. Daily average effluent flow into ponds: N/A gallons per day
- b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions. **Attachment:** N/A

# Item 4. Evapotranspiration Beds (Instructions, Page 74)

a. Provide the following information on the evapotranspiration beds:

Number of beds: N/A

Area of bed(s) (acres): N/A
Depth of bed(s) (feet): N/A

Void ratio of soil in the beds: N/A

Storage volume within the beds (include units): N/A

Description of any lining to protect groundwater: N/A

- b. Attach a certification by a licensed Texas professional engineer that the liner meets TCEQ requirements. **Attachment:** N/A
- c. Attach a separate engineering report with water balance, storage volume calculations, and description of the liner. Attachment: N/A

# Item 5. Overland Flow (Instructions, Page 74)

a. Provide the following information on the overland flow:

Area used for application (acres): N/A

Slopes for application area (percent): N/A

Design application rate (gpm/foot of slope width): N/A

Slope length (feet): N/A

Design BOD5 loading rate (lbs BOD5/acre/day): N/A

Design application frequency (hours/day): N/A

Design application frequency (days/week): N/A

b. Attach a separate engineering report with the method of application and design requirements according to *30 TAC § 217.212*. **Attachment:** N/A

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.2: SUBSURFACE IRRIGATION (NON-DRIP)

This worksheet **is required** for all applications for a permit to disposal of wastewater by subsurface land application.

Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.

# Item 1. Edwards Aquifer (Instructions, Page 75)

a. The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?

□ Yes □ No

b. The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?

□ Yes □ No

If **yes** to Item 1.a **or** 1.b, the subsurface system may be prohibited by *30 TAC § 213.8*. Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.

# Item 2. Subsurface Application (Instructions, Page 75)

- a. Check the box next to the type of subsurface land disposal system requested:
  - ☐ Conventional drainfield, beds, or trenches
  - ☐ Low pressure dosing
  - □ Other: <u>N/A</u>
- b. Provide the following information on the irrigation operations:

Application area (acres): N/A

Area of drainfield (square feet): N/A

Application rate (gal/square ft/day): N/A

Depth to groundwater (feet): N/A

Area of trench (square feet): N/A

Dosing duration per area (hours):  $\underline{N/A}$ 

Number of beds: N/A

Dosing amount per area (inches/day): N/A

Soil infiltration rate (inches/hour): N/A

Storage volume (gallons): <u>N/A</u>
Area of bed(s) (square feet): <u>N/A</u>

Soil classification: N/A

c. Attach a separate engineering report using 30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation. Attachment: N/A

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL SYSTEMS

	his worksheet <b>is required</b> for all applications for a permit to dispose of wastewater using a ubsurface area drip dispersal system (SADDS).
37	Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.
I	tem 1. Edwards Aquifer (Instructions, Page 76)
a.	The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?
	□ Yes □ No
b.	The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?
	□ Yes □ No
	<b>yes</b> to Item 1.a <b>or</b> 1.b, the subsurface system may be prohibited by $30 \text{ TAC } \S 213.8$ . Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.
It	em 2. Administrative Information (Instructions, Page 76)
a.	Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility: $\underline{N/A}$
b.	The owner of the land where the WWTF is/will be located is the same as the owner of the WWTF.
	□ Yes □ No
	If ${\bf no}$ , provide the legal name of all corporations or other business entities managed, owned or otherwise closely related to the owner of the land where the WWTF is/will be located: ${\bf N/A}$
c.	Provide the legal name of the owner of the SADDS: $N/A$
d.	The owner of the SADDS is the same as the owner of the WWTF or the site where the WWTF is/will be located.
	□ Yes □ No
	If <b>no</b> , identify the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.c: $N/A$
e.	Provide the legal name of the owner of the land where the SADDS is located: $\underline{N/A}$
f.	The owner of the land where the SADDS is/will be located is the same as owner of the WWTF, the site where the WWTF is located, or the owner of the SADDS.
	□ Yes □ No

If  ${\bf no}$ , provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.e:  ${\bf N/A}$ 

# Item 3. SADDS (Instructions, Page 77)

a.	Check the box next to the type SADDS requested by this application:
	□ Subsurface drip/trickle irrigation
	□ Surface drip irrigation
	□ Other: <u>N/A</u>
b.	Attach a description of the SADDS proposed/used by the facility (see instructions for guidance). Attachment: $\underline{N/A}$
c.	Provide the following information on the SADDS:
	Application area (acres): <u>N/A</u>
	Soil infiltration rate (inches/hour): <u>N/A</u>
	Average slope of the application area: $N/A$
	Maximum slope of the application area: $N/A$
	Storage volume (gallons): <u>N/A</u>
	Major soil series: <u>N/A</u>
	Depth to groundwater (feet): <u>N/A</u>
	Effluent conductivity (mmhos/cm): N/A
d.	The facility is/will be located west of the boundary shown in <i>30 TAC § 222.83</i> <b>and</b> using a vegetative cover of non-native grasses over seeded with cool-season grasses.
	□ Yes □ No
	If $yes$ , the facility may propose a hydraulic application rate up to, but not to exceed, 0.1 gal/ft²/day.
e.	The facility is/will be located east of the boundary shown in <i>30 TAC § 222.83</i> <b>or</b> is the facility proposing any crop other than non-native grasses.
	□ Yes □ No
	If <b>yes</b> , the facility must use the formula in <i>30 TAC § 222.83</i> to calculate the maximum hydraulic application rate.
f.	The facility has or plans to submit an alternative method to calculate the hydraulic application rate for approval by the ED.
	□ Yes □ No
	If yes, provide the following information on the hydraulic application rates:
	<ul> <li>Hydraulic application rate (gal/square foot/day): N/A</li> </ul>
	<ul> <li>Nitrogen application rate (gal/square foot/day): N/A</li> </ul>

g. Provide the following dosing information:

	Number of doses per day: <u>N/A</u>								
	Dosing duration per area (hours): <u>N/A</u>								
	Rest period between doses (hours): $N/A$								
	Dosing amount per area (inches/day): <u>N/A</u>								
	Number of zones: <u>N/A</u>								
h.	. The system is/will be a surface drip irrigation system using existing native vegetation as a crop?								
	□ Yes □ No								
	If <b>yes</b> , attach the following information:								
	<ul> <li>A vegetation survey by a certified arborist describing the percent canopy cover and relative percentage of major overstory and understory plant species.</li> </ul>								
	Attachment: N/A								
	• Attach a separate engineering report using 30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation.								
	Attachment: <u>N/A</u>								
Tt	em 4. Required Plans (Instructions, Page 78)								
a.	Attach a Soil Evaluation with all information required in 30 TAC § 222.73.  Attachment: N/A								
b.	Attach a Site Preparation Plan with all information required in 30 TAC § 222.75. <b>Attachment:</b> $N/A$								
c.	Attach a Recharge Feature Plan with all information required in <i>30 TAC § 222.79</i> . <b>Attachment:</b> <u>N/A</u>								
d.	Provide soil sampling and testing with all information required in 30 TAC § 222.157. Attachment: $N/A$								
Ite	em 5. Flood and Run-On Protection (Instructions, Page 79)								
a.	Is the existing/proposed SADDS located within the 100-year frequency flood level?  ☐ Yes ☐ No Source: N/A								
	If <b>yes</b> , describe how the site will be protected from inundation: N/A								
h									
IJ.	Is the existing/proposed SADDS within a designated floodway?								
	☐ Yes ☐ No								
	If <b>yes</b> , attach either the FEMA flood map or alternate information used to make this determination. <b>Attachment:</b> N/A								

# Item 6. Surface Waters in The State (Instructions, Page 79)

a.	Attach a buffer map which shows the appropriate buffers on surface waters in the state, water wells, and springs/seeps. Attachment: $\underline{N/A}$						
b.	The		ty ha	as or plans to request a buffer variance from water wells or waters in the			
		Yes		No			
If y	yes,	attach	the	additional information required in 30 TAC $\S$ 222.81(c). Attachment: $N/A$			

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: RECEIVING WATERS

This worksheet is required for all TPDES permit applications.

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

a.				water intake for domestic drinking water supply located within 5 (five) from the point/proposed point of discharge.
	Ē	□ Yes	$\boxtimes$	No
	If no	, stop he	ere and	d proceed to Item 2. If <b>yes</b> , provide the following information:
	1. 1	he legal	name (	of the owner of the drinking water supply intake: $N/A$
	2. T	he dista	nce and	d direction from the outfall to the drinking water supply intake: $N/A$
b.		te and id iinistrativ		the intake on the USGS 7.5-minute topographic map provided for ort 1.0.
		Check th	is box	to confirm the above requested information is provided.
Ite	em :		char ge 80	rge Into Tidally Influenced Waters (Instructions, ))
	he di m 3.	scharge i	s to tio	dally influenced waters, complete this section. Otherwise, proceed to
a.	Widt	h of the	receivi	ing water at the outfall: <u>N/A</u> feet
b.	Are t	here oys	ter ree	efs in the vicinity of the discharge?
		Yes	10	No
	If yes	<b>s</b> , provid	e the d	distance and direction from the outfall(s) to the oyster reefs: $N/A$
c.	Are t	here sea	grasse	es within the vicinity of the point of discharge?
		Yes		No
	If yes	s, provid	e the d	distance and direction from the outfall(s) to the grasses: $N/A$
Ite	em 3	3. Clas	ssific	ed Segment (Instructions, Page 80)
The	disc	harge is/	will be	e directly into (or within 300 feet of) a classified segment.
	<u> </u>	∕es ⊠	No	
If <b>y</b>	<b>es</b> , st	op here	and do	o not complete Items 4 and 5 of this worksheet or Worksheet 4.1.
If <b>n</b>	<b>o</b> , coi	mplete It	ems 4	and 5 and Worksheet 4.1 may be required.

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

a. Name of the immediate receiving waters: <u>Unnamed tributary of Brushy Creek to 5-mile Creek</u>

	and	l to Sandies Creek
b.	Che	eck the appropriate description of the immediate receiving waters:
	[45]	Lake or Pond
		• Surface area (acres): <u>N/A</u>
		<ul> <li>Average depth of the entire water body (feet): <u>N/A</u></li> </ul>
		• Average depth of water body within a 500-foot radius of the discharge point (feet): $\underline{N/A}$
		Man-Made Channel or Ditch
	$\boxtimes$ S	Stream or Creek
		Freshwater Swamp or Marsh
		Tidal Stream, Bayou, or Marsh
		Open Bay
		Other, specify:
		<b>Made Channel or Ditch</b> or <b>Stream or Creek</b> were selected above, provide responses to l.c - 4.g below:
c.		<b>existing discharges</b> , check the description below that best characterizes the area <b>tream</b> of the discharge.
		<b>new discharges</b> , check the description below that best characterizes the area <b>vnstream</b> of the discharge.
	[	Intermittent (dry for at least one week during most years)
	[	☑ Intermittent with Perennial Pools (enduring pools containing habitat to maintain aquatic life uses)
	Ē	□ Perennial (normally flowing)
		ck the source(s) of the information used to characterize the area upstream (existing harge) or downstream (new discharge):
	Ē	□ USGS flow records
		☑ personal observation
		historical observation by adjacent landowner(s)
		other, specify: <u>N/A</u>
d.		the names of all perennial streams that join the receiving water within three miles nstream of the discharge point: Brushy Creek

e.		ne receiving water characteristics change within three miles downstream of the discharge g., natural or man-made dams, ponds, reservoirs, etc.).									
	0 000	□ Yes ⊠ No									
	If <b>y</b>	ves, describe how: <u>N/A</u>									
f.		neral observations of the water body during normal dry weather conditions: <u>Brown tinted</u> <u>ecipitate in most stream bed areas.</u>									
	Dat	te and time of observation: October 01, 2019									
g.	The	e water body was influenced by stormwater	runo	ff during observations.							
		□ Yes ⊠ No									
	If y	ves, describe how: <u>N/A</u>									
It	em	5. General Characteristics of	W	ater Body (Instructions,							
		Page 81)									
a.		he receiving water upstream of the existing uenced by any of the following (check all the		0 1 1							
	$\boxtimes$	oil field activities		urban runoff							
	$\boxtimes$	agricultural runoff	$\boxtimes$	septic tanks							
	$\boxtimes$	upstream discharges		other, specify: <u>N/A</u>							
b.	Use	es of water body observed or evidence of suc	h us	es (check all that apply):							
	$\boxtimes$	livestock watering		industrial water supply							
		non-contact recreation		irrigation withdrawal							
		domestic water supply		navigation							
	10120	contact recreation		picnic/park activities							
		fishing	100	other, specify: <u>N/A</u>							
c.		cription which best describes the aesthetics a (check only one):	of th	ne receiving water and the surrounding							
		<b>Wilderness:</b> outstanding natural beauty; us clarity exceptional	ually	wooded or un-pastured area: water							
	$\boxtimes$	<b>Natural Area:</b> trees or native vegetation confields, pastures, dwellings); water clarity di									
		<b>Common Setting:</b> not offensive, developed turbid	but 1	uncluttered; water may be colored or							
		<b>Offensive:</b> stream does not enhance aesthe areas; water discolored	tics;	cluttered; highly developed; dumping							

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 4.1: WATERBODY PHYSICAL CHARACTERISTICS

The following information **is required** for new applications, EPA-designated Major facilities, and major amendment applications requesting to add an outfall if the receiving waters are perennial or intermittent with perennial pools (including impoundments) for a TDPES permit.

Complete the transects downstream of the existing or proposed discharges.

### Item 1. Data Collection (Instructions, Page 82)

a.	Date of study: <u>N/A</u> Waterbody name: <u>N/A</u>
	General location: N/A
b.	Type of stream upstream of an existing discharge or downstream of a proposed discharge (check only one):
	$\square$ perennial $\square$ intermittent with perennial pools $\square$ impoundment
c.	No. of defined stream bends:
	Well: <u>N/A</u> Moderately: <u>N/A</u> Poorly: <u>N/A</u>
d.	No. of riffles: <u>N/A</u>
e.	Evidence of flow fluctuations (check one):
	☐ Minor ☐ Moderate ☐ Severe
f.	Provide the observed stream uses and where there is evidence of channel obstructions/modifications: $\underline{N/A}$
σ.	Complete the following table with information regarding the transect measurements.

#### Stream Transect Data

Transect Location	Habitat Type*	Water Surface Width (ft)	Stream Depths (ft)**								
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<u>N/A</u>

<sup>\*</sup> riffle, run, glide, or pool

### Item 2. Summarize Measurements (Instructions, Page 83)

Provide the following information regarding the transect measurements:

Streambed slope of entire reach (from USGS map in ft. /ft.): N/A

Approximate drainage area above the most downstream transect from USGS map or county highway map (square miles): N/A

Length of stream evaluated (ft): N/A

Number of lateral transects made: N/A

Average stream width (ft): N/A

Average stream depth (ft): N/A

Average stream velocity (ft/sec): N/A

Instantaneous stream flow (ft<sup>3</sup>/sec): N/A

Indicate flow measurement method (VERY IMPORTANT – type of meter, floating chip timed over a fixed distance, etc.): N/A

Flow fluctuations (i.e., minor, moderate, or severe): N/A

Size of pools (i.e., large, small, moderate, or none): N/A

Maximum pool depth (ft): N/A

Total number of stream bends: N/A

Number well defined: N/A

Number moderately defined: N/A

Number poorly defined: N/A

Total number of riffles: N/A

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: SEWAGE SLUDGE MANAGEMENT AND DISPOSAL

The following information **is required** for all TPDES permit applications that meet the conditions as outlined in Technical Report 1.0, Item 7.

# Item 1. Sewage Sludge Solids Management Plan (Instructions, Page 84)

a.	Is t	his	a new pe	rmit	application or an amendment permit application?
			Yes		No
b.	Do	es o	r will the	faci	lity discharge in the Lake Houston watershed?
			Yes		No
If	yes	to e	ither Iten	n 1.a	or 1.b, attach a solids management plan. Attachment: N/A
It	em	2.	Sewa Page	THE VOLUME	Sludge Management and Disposal (Instructions
a.			the box n (check al		o the sludge disposal method(s) authorized under the facility's existing t apply).
		Per	rmitted la	andfi	11
		Ma	rketing a	nd d	istribution by the permittee, attach Form TCEQ-00551
		Re	gistered l	land	application site, attach Form TCEQ-00565
		Pro	cessed b	y the	e permittee, attach Form TCEQ-00744
		Sui	rface disp	osal	site (sludge monofill), attach Form TCEQ-00744
		Tra	ansporte	d to a	another WWTP
		Ber	neficial la	ınd a	pplication, attach Form TCEQ-10451
		Inc	ineration	ı, atta	ach Form TCEQ-00744
	dire	cte			n(s) made above, complete and attach the required TCEQ forms as ubmit the required TCEQ form will result in delays in processing the
	Atta	achr	nent: <u>N/</u>	<u>4</u>	
b.	Prov	vide	the follo	wing	; information for each disposal site:
	Disp	oosa	ıl site naı	ne: <u>N</u>	I/A
	TCE	Q P	ermit/Re	gistr	ation Number: <u>N/A</u>
	Cou	nty	where di	spos	al site is located: <u>N/A</u>

c.		thod of sew truck EQ Hauler F	2000 1000 1000 1000 1000 1000 1000 1000	train		pipe	:	other	: <u>N/A</u>			
d.	Slu	dge is trans liquid	sporte	d as a: semi-liq	uid	2000	semi-	solid		solid		
e.	Pur	pose of lan	d app	lication:		reclar	nation		soil c	onditioning	g	N/A
f.	or o and yea	If sewage sludge is transported to another WWTP for treatment, attach a written statement or copy of contractual agreements confirming that the WWTP identified above will accept and be responsible for the sludge from this facility for the life of the permit (at least 5 years).  Attachment: N/A										
It	em	3. Autl (Inst		zation tions,				Slud	ge D	isposal		
slu	dge	is a new or disposal m all that app	ethod									
		Marketing	and d	listributio	on by	the pe	ermitte	e, attac	h Forn	n TCEQ-00	551	
		Processed	by the	e permitt	ee, at	tach F	orm TO	CEQ-00	744			
		Surface dis	sposal	site (slu	dge r	nonofi	ll), atta	ch Fori	m TCE	Q-00744		
		Beneficial ?	land a	pplicatio	n, at	ach Fo	orm TC	EQ-104	151			
		Incineratio	n, atta	ach Form	TCE	Q-0074	44					
dir	ecte	on the selec d. Failure to tion.				_			•	•		
	Atta	achment: <u>N</u>	<u>/A</u>									
in t for det	OTE: New authorization for beneficial land application, incineration, processing, or disposal a the TPDES permit or TLAP requires a major amendment to the permit. New authorization or composting may require a major amendment to the permit. See the instructions to etermine if a major amendment is required or if authorization for composting can be added arough the renewal process.											

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following information **is required** for all applications for publicly-owned treatment works (POTWs).

For an explanation of the terms used in this worksheet, refer to the General Definitions on pages 4-12 and the Definitions Relating to Pretreatment on pages 13-14 of the Instructions.

# Item 1. All POTWs (Instructions, Page 86)

a. Complete the following table with the number of each type of industrial users (IUs) that discharge to the POTW and the daily average flows from each.

#### **Industrial User Information**

Type of Industrial User	Number of Industrial Users	Daily Average Flow (gallons per day)
CIU	N/A	N/A
SIU - Non-categorical	N/A	N/A
Other IU	N/A	N/A

Other IU		N/A	N/A
b. In the past	three years, l	nas the POTW experienced treat	ment plant interference?
□ Yes	⊠ No		
possible so			nce, and probable cause(s) and e names of the IU(s) that may have
c. In the past	three years, h	as the POTW experienced pass-	through?
□ Yes	□ No		
probable ca	use(s) and po		through the treatment plant, and rough event. Include the names of
d. Does the PC	TW have, or	is it required to develop, an app	proved pretreatment program?
□ Yes	□ No		
If <b>yes</b> , answ	er all questic	ns in Item 2 and skip Item 3.	
If <b>no</b> , skip I	em 2 and an	swer all questions in Item 3 for	each SIU and CIU.
Th	ose Requ	h Approved Pretreat uired To Develop A F 1s, Page 86)	ment Programs or Pretreatment Program
a. Have there l	een any sub	stantial modifications to the PO	TW's approved pretreatment

program that have not been submitted to the Approval Authority (TCEQ) for approval

according to 40 CFR § 403.18?

(38)

No

35

Yes

	If <b>yes</b> , include an attachme been submitted to the TCE				ons that have not						
	Attachment: <u>N/A</u>										
b.	Have there been any non-substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ)?										
	□ Yes □ No										
	If <b>yes</b> , include an attachment which identifies all non-substantial modifications that have not been submitted to the TCEQ and the purpose of the modification.										
	Attachment: N/A										
c.	List all parameters measure last three years:	ed above the MAL i	n the POTW	V's effluent moi	nitoring during the						
	luent Parameters Measured A		No. of the last of								
	ollutant	Concentration	MAL	Units	Date						
N	<u>/A</u>	N/A	N/A	N/A	N/A						
					9						
	Attachment: N/A										
d.	Has any SIU, CIU, or other I interference or pass-throug □ Yes □ No				ns (excluding						
	If <b>yes</b> , provide a description problems, and probable pol may have caused or contrib	llutants. Include the	e name(s) o	f the SIU(s)/CIU	, description of J(s)/other IU(s) that						
Ite	em 3. Significant In User Informa										
	ΓWs that <b>do not</b> have an apport owing information for each	TO SECURITION OF THE PROPERTY	nt program	are required to	provide the						
a.	Mr. or Ms.: <u>N/A</u> First/Last I	Name: <u>N/A</u>									
	Organization Name: <u>N/A</u>	SIC	Code: <u>N/A</u>								
	Phone number: <u>N/A</u>	Em	ail address	: <u>N/A</u>							
	Physical Address: <u>N/A</u>	Cit	City/State/ZIP Code: N/A								

b. Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (e.g., process and non-process wastewater): N/A

Attachment: N/A

c. Provide a description of the principal products(s) or service(s) performed:  $\underline{N/A}$  d. Flow rate information

Effluent Type	Discharge Day (gallons per day)	Discharge Frequency (Continuous, batch, or intermittent)
Process Wastewater	N/A	N/A
Non-process Wastewater	N/A	N/A

e. Pretreatment Standards

Flow Rate Information

1.		he SIU or tructions?		subject to technology-based local limits as defined in the application
		Yes		No
2.	Is t	he SIU su	bject	to categorical pretreatment standards?
		Yes		No
If y	es,	provide t	he ca	ategory and subcategory or subcategories in the SIUs Subject To

Categorical Pretreatment Standards table.

#### **SIUs Subject to Categorical Pretreatment Standards**

Category in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR
N/A	N/A	<u>N/A</u>	N/A	<u>N/A</u>

f.					ontributed t ckages) at th			ces, pass	ĺ
		Yes	200 mg	No					
	proble	ms, and	proba	able pollut	f each episoo ants, and inc the problem	clude the			

# 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
	State	

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

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

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

### Item 3. Site Map (Instructions, Page 90)

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

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

Check the box to confirm all above information was provided on the facility site	map(s).
Attachment: N/A	

# 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)	
N/A	N/A	N/A	

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

Wettest month: N/A

Average rainfall for wettest month (total inches): N/A

25-year, 24-hour rainfall (inches): N/A

Source: N/A

- c. Attach an inventory, or list, of materials currently handled at the facility that may be exposed to precipitation. **Attachment:** N/A
- 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:** N/A
- e. Describe any BMPs and controls the facility uses/proposes to prevent or effectively reduce pollution in stormwater discharges from the facility: N/A

# 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): N/A
- b. 

  Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Complete Table 17 as directed on page 92 of the Instructions.

Table 17 for Outfall No.: N/A

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
pH (standard units)	(max)	_	(min)	_		_
Total suspended solids						_
Chemical oxygen demand						_
Total organic carbon						_
Oil and grease						_
Arsenic, total					9	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.: N/A

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

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

Attachment: N/A

<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: N/A

Duration of storm event (minutes): N/A

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

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

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

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

Provide a description of the method of flow measurement or estimate: N/A

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 8.0: AQUACULTURE

This worksheet **is required** for all TPDES permit applications requesting individual permit coverage for discharges of aquaculture wastewater.

# Item 1. Facility/Site Information (Instructions, Page 94)

a. Complete the following table with information regarding production ponds, raceways, and fabricated tanks at the facility.

### **Production Pond Descriptions**

Number of Ponds	Dimensions (include units)	Area of Each Pond (include units)	Number of Ponds x Area of Ponds (include Units)
N/A	N/A	N/A	N/A
			p

Total surface area of all ponds: Click to enter text.

#### **Raceway Descriptions**

Dimensions (include units)		
N/A		

#### **Fabricated Tank Descriptions**

Number of Tanks	Dimensions (include units)
N/A	N/A

b.	Does t	he facili	ty have	a TPWD-approved e	mergency plan?				
		Yes		No					
	If yes,	If <b>yes</b> , attach a copy of the approved plan.							
Attachment: N/A									
c.	c. Does the facility have an aquatic plant transplant authorization?								
	0.00	Yes		No					
	If yes,	attach a	copy o	of the authorization	letter.				
	Attach	ment: <u>N</u>	<u>/A</u>						
d.	Provid	e the nui	mber o	f aquaculture faciliti	es located within	25-miles of this fa	icility: <u>N/A</u>		
Ite	em 2.	Spec	ies I	dentification (	(Instructions	s, Page 95)			
of au	the stoc horize		ify and ies.	able regarding each s attach copies of any					
	ecies	les IIIOI1	nation	Source of Stock	Origin of Stock	Disease Status	Authorization		
	/A			N/A	N/A	N/A	N/A		
	2								
	Attach	ment: N/	<u>'A</u>						
Ite	em 3.	Stocl	k Ma	nagement Pla	n (Instructio	ns. Page 95			
				anagement plan: N/A		, , ,			
	1960 (State Holes (State Holes			CONTROL OF THE PROPERTY OF THE					
116	em 4.			eatment and I ons, Page 96)	Discharge De	escription			
Att	ach a d	etailed d	escript	ion of the discharge	practices and wat	er treatment proc	ess(es): <u>N/A</u>		
Ite	m 5.	Solid	Was	ste Manageme	nt (Instructi	ons, Page 90	<b>5)</b>		
		200	0 1	a salid wasta dispos					

Attach a description of the solid waste-disposal practices: N/A

# Item 6. Site Assessment Report (Instructions, Page 96)

All new and expanding commercial shrimp facilities located/to be located within the coastal zone must attach a detailed site assessment report which identifies sensitive aquatic habitats within the coastal zone: N/A

# **WORKSHEET 9.0**

### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

### CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

TCEQ IUC Permits Team Radioactive Materials Division MC-233 PO Box 13087 Austin, Texas 78711-3087 512-239-6466

For TCEQ Use Only	
Reg. No	
Date Received	
Date Authorized	

# Item 1. General Information (Instructions Page 99)

### 1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): N/A

Program ID: <u>N/A</u>
Contact Name: <u>N/A</u>
Phone Number: <u>N/A</u>

### 2. Agent/Consultant Contact Information

Contact Name: N/A

Address: N/A

City, State, and Zip Code: N/A

Phone Number: N/A

### 3. Owner/Operator Contact Information

□ Owner □ Operator

Owner/Operator Name: N/A
Contact Name: N/A

Address: N/A

City, State, and Zip Code: N/A

Phone Number: N/A

### 4. Facility Contact Information

Facility Name: N/A

Address: N/A

City, State, and Zip Code: N/A

Location description (if no address is available): N/A

Facility Contact Person: N/A

Phone Number: N/A

# Latitude: N/A Longitude: N/A Method of determination (GPS, TOPO, etc.): N/A Attach topographic quadrangle map as attachment A. 6. Well Information Type of Well Construction, select one: Vertical Injection Subsurface Fluid Distribution System ☐ Infiltration Gallery **Temporary Injection Points** 131 Other, Specify: N/A Number of Injection Wells: N/A 7. Purpose Detailed Description regarding purpose of Injection System: N/A Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.) 8. Water Well Driller/Installer Water Well Driller/Installer Name: N/A City, State, and Zip Code: N/A Phone Number: N/A License Number: N/A Item 2. Proposed Down Hole Design Attach a diagram signed and sealed by a licensed engineer as Attachment C. Down Hole Design Table

5. Latitude and Longitude, in degrees-minutes-seconds

Name of String	Size	Setting Depth	Sacks Cement/Grout - Slurry Volume - Top of Center	Hole Size	Weight (lbs/ft) PVC/Steel
Casing	N/A	N/A	N/A	N/A	N/A
Tubing					
Screen					

# Item 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: N/A System(s) Construction: N/A

950	
Iten	n 4. Site Hydrogeological and Injection Zone Data
1.	Name of Contaminated Aquifer: <u>N/A</u>
2.	Receiving Formation Name of Injection Zone: <u>N/A</u>
3.	Well/Trench Total Depth: <u>N/A</u>
4.	Surface Elevation: <u>N/A</u>
5.	Depth to Ground Water: <u>N/A</u>
6.	Injection Zone Depth: <u>N/A</u>
7.	Injection Zone vertically isolated geologically? $\square$ Yes $\square$ No
	Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:
	Name: <u>N/A</u>
	Thickness: <u>N/A</u>
8.	Attach a list of contaminants and the levels (ppm) in contaminated aquifer as Attachment E.
9.	Attach the Horizontal and Vertical extent of contamination and injection plume as Attachment F.
10.	Attach Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc., as Attachment G.
11.	Injection Fluid Chemistry in PPM at point of injection. Attach as Attachment H.
12.	Lowest Known Depth of Ground Water with < 10,000 PPM TDS: $N/A$
13.	Maximum injection Rate/Volume/Pressure: <u>N/A</u>
14.	Water wells within $1/4$ mile radius (attach map as Attachment I): $N/A$
15.	Injection wells within $1/4$ mile radius (attach map as Attachment J): $N/A$
	Monitor wells within $1/4$ mile radius (attach drillers logs and map as Attachment K): $N/A$
17.	Sampling frequency: <u>N/A</u>

18. Known hazardous components in injection fluid: N/A

# Item 5. Site History

- 1. Type of Facility: N/A
- 2. Contamination Dates: N/A
- 3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations. Attach as Attachment L.
- 4. Previous Remediation. Attach results of any previous remediation as Attachment M.

**NOTE:** Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

### Item 6. CLASS V INJECTION WELL DESIGNATIONS

- 5A07 Heat Pump/AC return (IW used for groundwater to heat or cool buildings)
- 5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
- 5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
- 5D02 Stormwater Drainage (IW designed for the disposal of rain water)
- 5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
- 5F01 Agricultural Drainage (IW that receive agricultural runoff)
- 5R21 Aguifer Recharge (IW used to inject fluids to recharge an aquifer)
- 5S23 Subsidence Control Wells (IW used to control land subsidence caused by groundwater withdrawal)
- 5W09 Untreated Sewage
- 5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
- 5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
- 5W12 WTTP disposal
- 5W20 Industrial Process Waste-disposal Wells
- 5W31 Septic System (Well Disposal method)
- 5W32 Septic System Drainfield Disposal
- 5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, or fill sections of a mine)
- 5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
- 5X26 Aguifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
- 5X27 Other Wells
- 5X28 Motor Vehicle Waste-disposal Wells (IW used to dispose of waste from a motor vehicle site These are currently banned)
- 5X29 Abandoned Drinking Water Wells (waste disposal)

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 10.0: QUARRIES IN THE JOHN GRAVES SCENIC RIVERWAY

This worksheet is required for all applications for individual permits for a municipal solid waste facility or mining facility located within a Water Quality Protection Area in the John Graves Scenic Riverway. Note: Review 30 TAC §§ 311.71-311.82 thoroughly prior to completing any portion of this worksheet.

### Item 1. Exclusions (Instructions, Page 100)

	.33	The second second	CHARLES AND ADDRESS.	
a.	Is t	this a r	nuni	cipal solid waste facility?
		Yes		No
b.				ry been in operation since January 1, 1994 without cessation of operation for consecutive days and under the same ownership?
		Yes		No
c.	Is t	his a c	oal 1	mine?
		Yes		No
d.	Is t	his fac	cility	mining clay and/or shale for use in manufacturing structural clay products?
		Yes		No
	•			we question, <b>stop here</b> . The facility is required to maintain documentation, as $AC \le 311.72(c)$ , at the facility to demonstrate the exclusion(s).
It	em	2. I	OC	ation of the Quarry (Instructions, Page 101)
Ch	eck	the bo	x ne	xt to the distance between the quarry and the nearest navigable water body:
		< 200	) fee	□ 200 feet – 1,500 feet □ 1,500 feet – 1 mile □ $>$ 1 mile
pro	ohib	ited w	ithin	ruction or operation of any new quarry or expansion of any existing quarry <b>is</b> 200 feet of any water body located within a Water Quality Protection Area in cenic Riverway.
Ite	em	3. A	Add	itional Requirements (Instructions, Page 101)
the	fac	ility ba	ased	ne Instructions to determine if additional application requirements apply to on distance between the quarry and the nearest waterway. Attach as ter N/A.
a.	Atta	ach a F	Resto	ration Plan: <u>N/A</u>
b.	Am	ount o	f Fin	ancial Assurance for Restoration: \$ <u>N/A</u>
	Med	hanisr	n: <u>N</u> ,	<u>'A</u>
c.	Atta	ach a T	echr	nical Demonstration: <u>N/A</u>
d.	Atta	ach a R	tecla	mation Plan: <u>N/A</u>
e.	Am	ount o	f Fin	ancial Assurance for Reclamation: \$ <u>N/A</u>
	Mec	hanisr	n: <u>N</u> /	<u>'A</u>

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 11.0: COOLING WATER SYSTEM INFORMATION

This worksheet is required for all TPDES permit applications that meet the conditions outlined in Technical Report 1.0, Item 12.

# Item 1. Cooling Water System Data (Instructions, Page 104)

a. Complete the following table with information regarding the cooling water system.

### **Cooling Water System Data**

Parameter	Volume (include units)		
Total DIF	N/A		
Total AIF	N/A		
Intake Flow Use(s) (%)	N/A		
Contact cooling	N/A		
Non-contact cooling	N/A		
Process Wastewater	N/A		
Other	N/A		

### b. Attach the following information:

- 1. A narrative description of the design and annual operation of the facility's cooling water system and its relationship to the CWIS(s).
- 2. A scaled map depicting the location of each CWIS, impoundment, intake pipe, and canals, pipes, or waterways used to convey cooling water to, or within, the cooling water system. Provide the latitude and longitude for each CWIS and any intake pipe(s) on the map. Indicate the position of the intake pipe within the water column.
- 3. A description of water reuse activities, if applicable, reductions in total water withdrawals, if applicable, and the proportion of the source waterbody withdrawn (on a monthly basis).
- 4. Design and engineering calculations prepared by a qualified professional and data to support the information provided in above item a.
- 5. Previous year (a minimum of 12 months) of AIF data.
- 6. A narrative description of existing or proposed impingement and entrainment technologies or operation measures and a summary of their performance, including, but not limited to, reductions in impingement mortality and entrainment due to intake location and reductions in total water withdrawals and usage.

Attachment: N/A

# Item 2. Cooling Water Intake Structure(s) Data (Instructions, Page 105)

a. Complete the following table with information regarding each cooling water intake structure (this includes primary and make-up CWIS(s)).

### Cooling Water Intake Structure(s) Data

CWIS ID	N/A	N/A	N/A	N/A
DIF (include units)	N/A	N/A	N/A	N/A
AIF (include units)	N/A	N/A	N/A	N/A
Intake Flow Use(s) (%)	N/A	N/A	N/A	N/A
Contact cooling	N/A	N/A	N/A	N/A
Non-contact cooling	N/A	N/A	N/A	N/A
Process Wastewater	N/A	N/A	N/A	N/A
Other	N/A	N/A	N/A	N/A
Latitude (decimal degrees)	N/A	N/A	N/A	N/A
Longitude (decimal degrees)	N/A	N/A	N/A	N/A

- b. Attach the following information regarding the CWIS(s):
  - 1. A narrative description of the configuration of each CWIS, annual and daily operation, including any seasonal changes, and where it is located in the water body and in the water column.
  - 2. Engineering calculations for each CWIS.

Attachment: N/A

# Item 3. Source Water Physical Data (Instructions, Page 105)

a. Complete the following table with information regarding the CWIS(s) source waterbody (this includes primary and make-up CWIS(s)).

#### Source Waterbody Data

CWIS ID	N/A	N/A	N/A	N/A
Source Waterbody	N/A	N/A	N/A	N/A
Mean Annual Flow	N/A	N/A	N/A	N/A
Source	N/A	N/A	N/A	N/A

- b. Attach the following information regarding the source waterbody.
  - 1. A narrative description of the source water for each CWIS, including areal dimensions, depths, salinity and temperature regimes, and other documentation that supports this determination of the water body type where each cooling water intake structure is located.

- 2. A narrative description of the source waterbody's hydrological and geomorphological features.
- 3. Scaled drawings showing the physical configuration of all source water bodies used by the facility, including the source waterbody's hydrological and geomorphological features. **NOTE:** The source waterbody's hydrological and geomorphological features may be included on the map submitted for item 1.b.ii of this worksheet.
- 4. A description of the methods used to conduct any physical studies to determine the intake's area of influence within the waterbody and the results of such studies.

Attachment: N/A

# Item 4. Operational Status (Instructions, Page 106)

a.	Is	this application for a power production or steam generation facility?
		□ Yes □ No
	If	<b>no</b> , proceed to Item 4.b. If <b>yes</b> , provide the following information as an attachment:
	1.	Describe the operating status of each individual unit, including age, capacity utilization rate (or equivalent) for the previous five years (a minimum of 60 months), and any seasonal changes in operation.
	2.	Describe any extended or unusual outages or other factors which significantly affect current data for flow, impingement, entrainment.
	3.	Identify any operating unit with a capacity utilization rate of less than 8 percent averaged over a contiguous period of two years (a minimum of 24 months).
	4.	Describe any major upgrades completed within the last 15 years, including but not limited to boiler replacement, condenser replacement, turbine replacement, or changes of fuel type.
	At	tachment: <u>N/A</u>
b.	Pro	ocess Units
	1.	Is this application for a facility which has process units that use cooling water (other than for power production or steam generation)?
		□ Yes □ No
		If <b>no</b> , proceed to Item 4.c. If <b>yes</b> , continue.
	2.	Does the facility use or intend to use reductions in flow or changes in operations to meet the requirements of $40$ CFR § $125.94(c)$ ?
		□ Yes □ No
		If <b>no</b> , proceed to Item 4.c. If <b>yes</b> , attach descriptions of the following information:
		<ul> <li>Individual production processes and product lines</li> </ul>
		The operating status, including age of each line and seasonal operation
		• Any extended or unusual outages that significantly affect current data for flow, impingement, entrainment, or other factors

	product lines.
	Attachment: N/A
c.	Is this an application for a nuclear power production facility?
	□ Yes □ No
	If <b>no</b> , proceed to Item 4.d. If <b>yes</b> , attach a description of completed, approved, or scheduled upgrades and the Nuclear Regulatory Commission relicensing status for each unit at the facility.
	Attachment: N/A
d.	Is this an application for a manufacturing facility?
	□ Yes □ No
	If <b>no</b> , proceed to Worksheet 11.1. If <b>yes</b> , attach descriptions of current and future production schedules and any plans or schedules for any new units planned within the next five years (a minimum of 60 mos)
	Attachment: N/A

Any major upgrades completed within the last 15 years and plans or schedules for decommissioning or replacement of process units or production processes and

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 11.1: IMPINGEMENT MORTALITY

This worksheet is required for all TPDES permit applications that meet the conditions outlined in Technical Report 1.0, Item 12. Complete one copy of this worksheet for each individual CWIS the facility uses or proposes to use.

CWIS ID: N/A

# Item 1. Impingement Compliance Technology Selection (Instructions, Page 107)

Check the box next to the method of compliance for the Impingement Mortality Standard selected by the facility. Closed-cycle recirculating system(CCRS) [40 CFR § 125.94(c)(1)] 0.5 ft/s Through-Screen Design Velocity [40 CFR § 125.94(c)(2)] - Proceed to Worksheet 11.2 0.5 ft/s Through Screen Actual Velocity [40 CFR § 125.94(c)(3)] Existing offshore velocity cap [40 CFR § 125.94(c)(4)] - Proceed to Worksheet 11.2 Modified traveling screens [40 CFR § 125.94(c)(5)] System of technologies [40 CFR § 125.94(c)(6)] Impingement mortality performance standard [40 CFR § 125.94(c)(7)] De minimis rate of impingement [40 CFR § 125.94(c)(11)] Low capacity utilization power-generation facilities [40 CFR § 125.94(c)(12)] If 0.5 ft/s Through-Screen Design Velocity [40 CFR § 125.94(c)(2)] or existing offshore velocity cap [40 CFR § 125.94(c)(4)] was selected, proceed to Worksheet 11.2. Otherwise, continue to Item 2. Item 2. Impingement Compliance Technology Information (Instructions, Page 107) Complete the following sections based on the selection made for item 1 above. a. CCRS [40 CFR § 125.94(c)(1)] Check this box to confirm the CWS meets the definition of CCRS located at 40 CFR § 125.91(c) and provide a response to the following questions.

CWIS ID

Yes

and continue.

No

 12 months of intake flow data for any CWIS used for make-up intake flows to replenish cooling water losses, excluding intakes for losses due to blowdown, drift, or evaporation.

If **no**, proceed to item a.2. If **yes**, provide the following information as an attachment

1. Does the facility use or propose to use a CWIS to replenish water losses to the CWS?

• A narrative description of any physical or operational measures taken to minimize make-up withdraws.

Attachment: N/A

NOTE: Do not complete a separate Worksheet 11.1 for a make-up CWIS.

2. Does the facility use or propose to use cooling towers?

□ Yes □ No

If **no**, proceed to Worksheet 11.2. If **yes**, provide the following information and proceed to Worksheet 11.2.

• Average number of cycles of concentration (COCs) prior to blowdown:

### Average COCs Prior to Blowdown

Cooling Tower ID	N/A	N/A	N/A	N/A
COCs	N/A	N/A	N/A	N/A

- Attach COC monitoring data for each cooling tower from the previous year (a minimum of 12 months): N/A
- Maximum number of COCs each cooling tower can accomplish based on design of the system.

### Calculated COCs Prior to Blowdown

Cooling Tower ID	N/A	N/A	N/A	N/A
COCs	N/A	N/A	N/A	N/A

- Describe conditions that may limit the number of COCs prior to blowdown, if any, including but not limited to permit conditions: N/A
- b. 0.5 ft/s Through Screen Actual Velocity [40 CFR § 125.94(c)(3)]

Provide daily intake flow measurement monitoring data from the previous year (a minimum of 12 months) as an attachment and proceed to Worksheet 11.2.

Attachment: N/A

c. Modified traveling screens [40 CFR § 125.94(c)(5)]

Provide the following information as an attachment and proceed to Worksheet 11.2.

- 1. A description of the modified traveling screens and associated equipment.
- 2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods
- 3. Biological sampling data from the previous two years (a minimum of 24 months).

Attachment: N/A

d. System of technologies [ $40 \ CFR \ \S \ 125.94(c)(6)$ ] or impingement mortality performance standard [ $40 \ CFR \ \S \ 125.94(c)(7)$ ]

Provide the following information as an attachment and proceed to Worksheet 11.2.

1. A description of the system of technologies used or proposed for use by the facility to

achieve compliance with the impingement mortality standard.

- 2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods.
- 3. Biological sampling data from the previous two years (a minimum of 24 months).

Attachment: N/A

e. De minimis rate of impingement [40 CFR § 125.94(c)(11)]

Provide the following information and proceed to Worksheet 11.2.

1. Attach monitoring data from the previous year (a minimum of 12 months) of intake flow measured at a frequency of 1/day on days of operation.

Attachment: N/A

2. If the rate of impingement caused by the CWIS is extremely low (at an organism or ageone equivalent count), attach supplemental information to Worksheet 11.0, item 1.b.6. to support this determination.

Attachment: N/A

f. Low capacity utilization power-generation facilities [40 CFR § 125.94(c)(12)]

Attach monthly utilization data from the previous 2 years (a minimum of 24 months) for each operating unit and proceed to Worksheet 11.2.

Attachment: N/A

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 11.2: SOURCE WATER BIOLOGICAL DATA

This worksheet **is required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** source waterbody of a CWIS for which a facility has selected an Impingement Mortality Technology Option described at  $40 \ CFR \ \S\S \ 125.94(c)(1)-(7)$ .

Name of source waterbody: N/A

### Item 1. Species Management (Instructions, Page 109)

a.	from the USFWS or the NMFS.
	□ Yes □ No
	If yes, attach any information submitted in order to obtain that permit, which may be used to supplement the permit application information requirements of paragraph $40\ CFR\ S$ $125.95(f)$ .
	Attachment: N/A
b.	Is the facility requesting a waiver from application requirements at 40 CFR § 122.21(r)(4) in accordance with 40 CFR § 125.95 for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent?
	□ Yes □ No
	If <b>yes</b> , attach a copy of the most recent managed fisheries report to TPWD, or equivalent.
	Attachment: N/A
С.	There are no federally listed threatened or endangered species or critical habitat designations within the source water body.
	□ True □ False
[t	em 2. Source Water Biological Data (Instructions, Page 109)
۷e	w Facilities (Phase I, Track I and II)
	<ul> <li>Provide responses to all items in this section and stop.</li> </ul>

# Existing Facilities (Phase II)

- If the answer to **1.b.** above was **no**, provide responses to all items in this section and proceed to Worksheet 11.3.
- If the answer to **1.b.** was **yes** and **1.c.** was **true**, do not complete any items in this section and proceed to Worksheet 11.3.
- If the answer to **1.b.** was **yes** and **1.c.** was **false**, attach a response for any item in this section that is not contained within the most recent TPWD, or equivalent and proceed to Worksheet 11.3.

Attachment: N/A

- a. A list of the data requested at 40 CFR § 122.21(r)(4)(ii) through (vi) that are not available, and efforts made to identify sources of the data.
- b. Provide a list of species (or relevant taxa) in the vicinity of the CWIS and identify the following information regarding each species listed.
  - all life stages and their relative abundance,
  - identification of all species and life stages that would be most susceptible to impingement and entrainment,
  - forage base,
  - significance to commercial fisheries,
  - significance to recreational fisheries,
  - primary period of reproduction,
  - larval recruitment, and
  - period of peak abundance for relevant taxa.
- c. Data representative of the seasonal and daily activities (e.g., feeding and water column migration) of biological organisms in the vicinity of the CWIS(s).
- d. Identify all threatened, endangered, and other protected species that might be susceptible to impingement and entrainment at the CWIS(s).
- e. Documentation of any public participation or consultation with federal or state agencies undertaken.

The following is required for existing facilities only. Include the following information with the above listed attachment.

- f. Identify any protective measures and stabilization activities that have been implemented and provide a description of how these measures and activities affected the baseline water condition in the vicinity of the intake.
- g. A list of fragile species, as defined at 40 CFR § 125.92(m), at the facility. The applicant need only identify those species not already identified as fragile at 40 CFR § 125.92(m).

**NOTE:** New units at an existing facility are not required to resubmit this information if the cooling water withdrawals for the operation of the new unit are from an existing intake.

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 11.3: ENTRAINMENT

This worksheet **is required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** individual CWIS the facility uses or proposes to use.

CWIS ID: N/A

# Item 1. Applicability (Instructions, Page 111)

Is the AIF of the CWIS identified above greater than, or equal to, 125 MGD?

- □ Yes □ No
- If **no** or the facility has selected **CCRS** [40 CFR § 125.94(c)(1)] for the impingement mortality compliance method, complete Item 2 and stop here.
- If **yes** and the facility is **seeking a waiver** from application requirements in accordance with 40 CFR § 125.95 for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent, complete item 2 and stop.
- If **yes** and the facility is **not seeking a waiver** from application requirements in accordance *with 40 CFR § 125.95*, complete item 2 and provide any required and completed studies listed in item 3. For any required studies in item 3 that are not complete, provide a detailed explanation for the delay and an anticipated schedule for completion and submittal.

# Item 2. Existing Entrainment Performance Studies (Instructions, Page 111)

Attach any previously conducted studies or studies obtained from other facilities addressing technology efficacy, through-facility entrainment survival, and other entrainment studies.

Attachment: N/A

# Item 3. Facility Entrainment Performance Studies (Instructions, Page 111)

- a. Attach an entrainment characterization study, as described at 40 CFR § 122.21(r)(9): N/A
- b. Attach a comprehensive feasibility study, as described as 40 CFR § 122.21(r)(10): N/A
- c. Attach a benefits valuation study, as described as 40 CFR § 122.21(r)(11): N/A
- d. Attach a non-water quality environmental and other impacts study, as described as  $40 \ CFR \ \S 122.21(r)(12)$ : N/A
- e. Attach a peer review analysis, as described as 40 CFR § 122.21(r)(13): N/A

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 12.0: OIL AND GAS EXPLORATION, DEVELOPMENT, AND PRODUCTION WASTEWATER DISCHARGES

This worksheet **is required** for all TPDES permit applications that are subject to Effluent Limitation Guidelines in 40 CFR Part 435.

### Item 1. Operational Information (Instructions, Page 112)

a.	Is the wastewater from an oil and gas exploration, development, or production facility located west of the 98th meridian?				
	□ Yes □ No				
	If yes, continue to the next question. If no, skip to Item 2 relating to Production/Process Data.				
b.	. Provide justification for how the wastewater is/will be used for agriculture or wildlife propagation.				
	N/A				
Ite	em 2. Production/Process Data (Instructions, Page 112)				
a.	Provide the applicable 40 CFR Part 435 Subpart(s).				
	N/A				
	Describe if the permit being sought is for discharges from exploration, development, production, or for a combination of more than one of those activities.				
	N/A				

c. Provide information on all waste-streams generated and specify which waste-streams you are requesting to be authorized for discharge.

### **Wastestreams Generated**

Wastestream	Requesting authorization to discharge? (Yes/No)	Volume (MGD)	% of Total Flow
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

**d.** Describe how the facility will manage wastestreams for which discharge authorization is not being sought.

N/A			

Attachment: N/A

e. Provide information on miscellaneous discharges.

г	
- 1	N/A
- 1	N/A
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Attachment: N/A

f. List of chemicals that are in use, or will be used, downhole. Provide the category, concentration used/to be used, and purpose of using the chemical. Attach a safety data sheet for each chemical listed.

### **Chemicals List**

Category	Chemical Name	Concentration (include units)	Purpose
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Attachment: N/A

g. List of chemicals that are in use, or will be used, to treat the wastewater to be discharged under this authorization. Provide the concentration used/to be used and purpose of using the chemical. Attach a safety data sheet for each chemical listed.

### **Water Treatment Chemicals List**

Category	Chemical Name	Concentration (include units)	Purpose	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	

Attachment: N/A

### Item 3. Pollutant Analysis (Instructions, Page 113)

Tables 1, 2, 6, and 7 located in Worksheet 2.0 are required. In addition, Table 19 below is required and must be completed for each outfall and submitted with this application. The remaining tables in Worksheet 2.0, are required as applicable.

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

  Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** N/A
- d. Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** N/A

Table 19 for Outfall No.: N/A

Samples are (check one): □ Composite □ Grab

Pollutant	Sample 1 (mg/L)*	Sample 2 (mg/L)*	Sample 3 (mg/L)*	Sample 4 (mg/L)*
Calcium	N/A	N/A	N/A	N/A
Potassium	N/A	N/A	N/A	N/A
Sodium	N/A	N/A	N/A	N/A

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



Attachment A - 1 Lease Agreement

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

#### THE STATE OF TEXAS §

### COUNTY OF GONZALES §

THIS AGREEMENT made and entered into this the 27<sup>th</sup> day of March, 2010, but effective as of April 1st, 2010, by and between HARVEY W. JOHNSON and wife, NANCY B. JOHNSON, of Maverick County, Texas, hereinafter called Lessors, and SOUTHERN CLAY PRODUCTS, INC., a Texas corporation, with its principal offices in Gonzales, Gonzales County, Texas, hereinafter called Lessee,

#### WITNESSETH:

1. That the Lessors, for and in consideration of the sum of one dollar cash in hand paid, the receipt of which is hereby acknowledged, have and by these presents do hereby grant, lease, and let exclusively unto the Lessee for and during the term hereinafter set out and subject to the conditions hereinafter stated, for the purposes of prospecting, exploring for, mining, operating, producing, storing, and removing therefrom all clays, bentonite, and clay-like substances and volcanic ash only. (This Lease does not include oil, gas, along with all hydrocarbon and nonhydrocarbon substances produced in association therewith, sulphur, coal, lignite, uranium, other fissionable materials and all other minerals not specifically leased herein), in and upon the following described property, together with the use of the surface thereof as may be necessary to produce, save, take care of, and mine all such clays and clay-like substances, bentonite, and ash (hereinafter referred to as clay) which Lessee at its sole option and within its sole discretion may desire to mine and remove therefrom, and also the right to erect, construct, install, locate,

excavations, openings, ditches, drains and other improvements as are or may become necessary or convenient in exploring for, mining, or removal of such clay, from the real estate situated in Gonzales County, Texas, and described in Exhibit "A" which is attached hereto and made a part hereof for all purposes. It is expressly agreed, understood, and stipulated by and between the parties hereto that the grant herein is for "clay" only and does not include any other mineral whatsoever.

2. TERM: The term of this lease shall be for a period of fifteen (15) years from and after April 1, 2010, provided however, that Lessee may terminate this lease at any time hereafter by executing and delivering to Lessors, and by placing of record in the office of the County Clerk of the county in which said land is situated, a recordable release.

### 3. ROYALTIES:

- (a) As royalties for all clay removed from the leased premises by Lessee, Lessee shall pay to Lessors the sum of TWO DOLLARS AND FIFTY-FOUR CENTS (\$2.54) for each ton of clay taken and removed from said land; and
- (b) Lessee agrees to pay to Lessors an initial minimum annual royalty of EIGHT THOUSAND AND NO/100 DOLLARS (\$8,000.00) for the first contract year upon execution of this lease agreement and subsequent minimum annual royalty payments of EIGHT THOUSAND AND NO/100 DOLLARS (\$8,000.00) on or before each anniversary date of this agreement to and including April 1, 2024; PROVIDED, that if the Lessee shall release and surrender this lease at any time hereafter during the term of this lease, Lessee shall have no further liability for payment of any further minimum royalty after recording the release, and
  - (c) Any and all payments of minimum advance or annual royalty

this lease at the rate of TWO DOLLARS AND FIFTY-FOUR CENTS (\$2.54) per ton of such clay so taken. Minimum annual royalty payments shall be deemed to be payment in advance for clays to be mined based on the appropriate royalty rate for the contract year for which the minimum annual royalty payment is paid. In the event Lessee shall, at any time during the term of this lease, take more clay than has been, by all previous minimum advance royalty payments paid for, then Lessee shall pay Lessors at the rate of TWO DOLLARS AND FIFTY-FOUR CENTS (\$2.54) per ton for all further clay taken. That is to say, such minimum advance royalty payment shall be deemed as full payment in advance for clay [at the rate of TWO DOLLARS AND FIFTY-FOUR CENTS (\$2.54) per ton] to be taken at any time after the date of such payment during the term of this lease that Lessee shall elect, and the aggregate amounts of such minimum advance royalty payments shall be credited against the first clay taken and removed after the date of such payments, and after all such payments have been applied against clay taken, then Lessee shall pay for any further clay taken at the rate of TWO DOLLARS AND FIFTY-FOUR CENTS (\$2.54) per ton. Should Lessee at the termination of this lease have paid for more clay, by such minimum advance royalty payments, than Lessee has taken during this lease, it shall be entitled to no refund or reimbursement of any kind. The royalty payment per ton for clay mined and removed from the leased premises shall be adjusted annually on the anniversary of this lease either upward or downward according to the U.S. Producer Price Index-All Commodities as published by the U.S. Department of Labor for the preceding year, but in no event shall be less than \$2.54 per ton. (See Exhibit "B") In addition, if the U.S. Producer Price Index increases the amount of the royalty above TWO DOLLARS AND FIFTY-FOUR CENTS (\$2.54) per ton prior to April 1, 2010, then and in such

April 1, 2010.

- (d) Lessee shall furnish to Lessors within 30 days after the end of each calendar month during which any clay may be removed from the leased premises a statement showing the number of tons of clay mined and removed during the previous month, the amount charged or credited against the advance royalty payment at TWO DOLLARS AND FIFTY-FOUR CENTS (\$2.54) per ton, and the amount of clay paid for by said advance royalty payments or the amount of royalty, if any, due Lessors, concurrently therewith, and Lessee shall make payment to Lessors of the royalty, if any, then due to be paid to Lessors under the terms of this lease for clay removed from the leased premises by Lessee during the preceding calendar month. All royalties, advance or otherwise, shall be paid or tendered to Lessors or to Lessors' credit in IBC Bank, of Eagle Pass, Texas, or at any other bank Lessors may from time to time designate in writing. The above named depository bank and its successors are Lessors' agent, and shall continue as depository for amounts payable hereunder regardless of changes in ownership of said land or royalties. All payments or tenders of royalties may be made by Lessee's check or draft mailed to Lessors at the address hereinafter setout.
- 4. DEVELOPMENT OF PREMISES: Lessee agrees that all operations by Lessee on the demised premises shall be conducted in accordance with good exploration and mining practices and with due regard to the preservation of the demised premises. Lessee agrees to refill all holes and excavations made in exploring for clay deposits in areas where no commercial production is undertaken. Lessee agrees to restore to a natural state as nearly as possible all land affected by mining operations and to comply with all applicable State and Federal statutes, rules and regulations regarding

during operations and mining, and reapply the topsoil as near as possible to the natural contour of the land to the excavated area. At the option of Lessor, upon termination of this lease in any manner provided for in this lease, Lessee will construct a tank/pond of earthen embankment in a manner and location as to catch surface water drainage and mitigate the effects of the deficiency of subsurface material on the said premises.

- 5. LESSORS' USE OF PREMISES: Lessee shall give written notice to Lessors two (2) months prior to Lessee's commencement of mining operations. Lessors reserve the right to use the surface of said premises, described on Exhibit "A", to explore for, develop, produce and market oil, gas, and other minerals not leased herein, subject to the provisions of paragraph 15(d) of this lease. Lessors reserve the right to pasture, cultivate, and till said land, except that such right shall be exercised in such a way as not to interfere with Lessee in the full and complete enjoyment of its right to exploit, develop, mine, and remove clay as provided for in this agreement. However, where it becomes necessary to segregate the operations of Lessee from the use of the premises by Lessors, Lessors agree to build all fences, gates, or barriers as Lessors shall find necessary and convenient for their safe and efficient use of the premises.
- 6. LESSEE'S USE OF PREMISES: Lessee shall be entitled, at its own expense, to erect, construct, install, relocate, and maintain on the demised premises such buildings and other structures, machinery, equipment, roads, railway spurs, ramps and other improvements as may be necessary or convenient in the conduct of Lessee's operations hereunder. All such buildings, structures, machinery, equipment, and other improvements made or installed by Lessee shall remain the property of Lessee and shall be removable

Lessee agrees to keep all existing roads in a good passable condition. If Lessee's mining activities cause existing roads to be moved, the Lessee will relocate said roads to a location mutually agreeable to Lessors and Lessee.

- 7. COMPLIANCE WITH LAWS: Lessee shall fully obey and comply with all applicable laws of the United States of America and of the State of Texas and with all rules, regulations, orders and ordinances of any political subdivision, bureau or department thereof relating to the use and occupancy of said leased premises or the conditions thereof and the mining operations for said clay and any and all conditions, activities or operations related thereto, including all such laws, ordinances, rules, orders and regulations now in effect or made, and enacted or issued during the term hereof.
- 8. INDEMNIFICATION OF LESSORS BY LESSEE: Lessee hereby agrees to indemnify and save harmless Lessors from and against any and all claims, demands, suits or causes of action in law or equity for damages and injuries (including death), of every kind or nature to persons and property occurring on or about the leased premises and arising out of Lessee's negligence. Further, Lessee hereby agrees to indemnify and save harmless Lessors from and against any and all claims, demands, suits or causes of action in law or equity for damages and injuries (including death), of every kind or nature to persons and property occurring on or about the leased premises and arising out of any and all activities of Lessee of whatsoever nature.
- 9. LESSEE TO KEEP RECORDS: Lessee covenants and agrees to keep true and accurate records showing the amount of the clay mined and removed from the demised premises by Lessee, and such records shall be open to inspection by Lessors at all times which are reasonable

business hours upon written notice from Lessors to Lessee.

- 10. ASSIGNABILITY OF AGREEMENT: The rights of either party may be assigned in whole or in part and all of the provisions hereof shall bind and inure to the benefit of the respective heirs, executors, administrators, successors, and assigns of either of the parties hereto. Any assignment by Lessee shall be by an instrument in writing and such assignee shall execute and deliver to Lessors an instrument assuming and agreeing to discharge the obligations of the Lessee hereunder. Upon the delivery of such instrument of assumption by the assignee, the assignor will be released and discharged from all further obligation or liability under such lease, except such as have accrued prior to date of execution of such instrument of assumption. No change in ownership of the land or any interest therein shall be binding on the Lessee until Lessee shall be furnished with a certified copy of all such recorded instruments, court proceedings and other necessary evidence of any transfer, inheritance, or sale of said rights.
- 11. DEFAULT BY LESSEE: The failure of Lessee to perform any obligation upon it in this lease imposed, including the failure to pay the royalties or furnish statements when due, shall not work a forfeiture or termination of this lease or cause a termination or reversion of the estate created hereby, nor be grounds for cancellation hereof in whole or in part, unless and until Lessors shall notify Lessee in writing of the facts relied upon as constituting such breach or failure on part of Lessee, and Lessee if in default, shall not have, within thirty (30) days after receipt of such notice, complied with the obligation of it imposed.
- 12. LESSORS WARRANT TITLE: Lessors hereby warrant and agree to defend the title to the demised premises and to pay before delinquency any and all taxes or other encumbrances securing a

existing, levied, or assessed on or against said land and in the event that Lessee shall exercise such option, Lessee shall be subrogated to the rights of any holder of such obligation so paid and discharged, and may be reimbursed by applying any royalties or advance minimum royalties accruing under this lease. Without impairment of Lessee's rights under the warranty in event of failure of title, it is agreed that if Lessors own an interest in the clay on, in, or under the said land less than the entire fee simple estate, then the royalties to be paid Lessors shall be reduced proportionately.

- 13. TAXES: Lessee agrees to pay during the term of the lease, any and all taxes levied or assessed against any improvements placed upon the leased premises by Lessee or upon any machinery or equipment brought upon the leased premises by Lessee and further, Lessee agrees to pay any and all ad valorem taxes assessed or levied upon any clay stockpiled by Lessee for future use.
- 14. MINIMUM ROYALTY/FORCE MAJEURE: The minimum royalty to be paid pursuant to Paragraph 3(b) of this lease agreement shall not be suspended or abated if mining or mining operations are suspended or are prevented or prohibited by law, ordinance or other governmental regulation, restraint or court order, by lack of market, by inability to obtain permits or licenses, by scarcity or inability to obtain equipment, water, labor, material, power or fuel, by strike, lockout or industrial disturbance, by failure of carriers to transport or furnish facilities for transportation, by operation of force majeure (including, without limitation, lightning, earthquake, fire, storm, flood, washout, war, rebellion, insurrection, riot), by breakage or accident to machinery or facilities, or by any cause beyond Lessee's control.

Any suspension of mining or mining operations, due to any

- 15. OPERATIONS: (a) In addition to the provisions of Paragraph 6 above, the parties agree and covenant that the facilities to be placed upon the leased premises covered by this lease shall be confined to those necessary or convenient for exploring, prospecting, mining, removing, stockpiling, storing and marketing the minerals granted, and transporting the same from said leased premises. All facilities placed on the leased premises by Lessee shall be removed by the Lessee within ninety (90) days after the termination of this lease. Upon the failure to remove said facilities, they shall become the property of the owner of the surface estate.
- (b) Neither the Lessee, nor its agents or employees, contractors and subcontractors, or their agents or employees, shall have any right or privilege whatsoever to hunt or fish on the leased premises, nor shall it, they or any of them, carry onto the leased premises firearms, fishing equipment or other articles ordinarily used for hunting or fishing.
- (c) Lessee agrees it will pay reasonable compensation for, or replace any roads, fences, buildings, livestock and other personal property of Lessors that may be damaged or destroyed by reason of Lessee's operations hereunder. Should Lessee find it necessary to cut any fence or fences on the leased premises for the purpose of passage, it agrees that prior to cutting such a fence there will be installed and braced, heavy "corner type" posts at each end of the opening to be made, to which the fence wire will be securely fastened in such a manner as to prevent sagging, and that the Lessee will install a suitable gate of good quality.
- (d) Lessors agree that any contract entered into by Lessors after the effective date of this lease for the exploration of oil and gas or installation of an oil or gas well operation, that said

and provide for Lessee and the oil and gas operator to meet and work toward a mutually beneficial arrangement for their particular operations on the property described in Exhibit "A", to the end that Lessors herein will maximize their royalties from both this lease and any oil and gas lease executed in the future.

16. NOTICES: Any notice or other communication required or permitted to be given hereunder shall be given by United States mail addressed to Lessors or Lessee, as the case may be, at the following address or at such other address as the party in question may from time to time designate in writing:

To Lessors at 1096 Ave A, Eagle Pass, Texas 78852.

To Lessee at 1212 Church Street, Gonzales, Texas 78629.

Any such notice or other communications mailed as aforesaid, shall be deemed to have been given upon the deposit thereof in the United States mails addressed as above provided with postage, sufficient to carry same through the mails fully paid.

17. CALCULATION OF WEIGHT: The payments or credits, as the case may be, for clay mined and removed from such premises shall be based on the truck weight trucked to plant or other storage place.

IN WITNESS WHEREOF, the parties hereto have hereunto signed their names in duplicate originals and one copy delivered to Lessors and one copy delivered to Lessee on the date and year first

above written.

ARVEY W./JOHNSON

ANCY B JOHNSON

Lessors

Mason

By: Ulum A Jum

ATTEST:

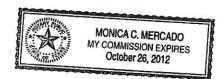
Secretary

Southern Clay Products, Inc.

THE STATE OF TEXAS §

COUNTY OF MAVERICK §

This instrument was acknowledged before me on this the '27 day of March , 2010, by HARVEY W. JOHNSON.



Morisa C Mercade Notary Public, in and for, THE STATE OF TEXAS.

THE STATE OF TEXAS §

COUNTY OF MAVERICK §

This instrument was acknowledged before me on this the  $\frac{27}{100}$  day of  $\frac{M}{1000}$ , 2010, by NANCY B. JOHNSON.



Monica @ Mercado Notary Public, in and for, THE STATE OF TEXAS.

THE STATE OF TEXAS §

COUNTY OF TRAVIS §

This instrument was acknowledged before me on this the GHA day of Quie, 2010, by VERNON S. SUMNER, President of SOUTHERN CLAY PRODUCTS, INC., on behalf of said corporation.

Sue Harring Sue A

Notary Public, in and for,
THE STATE OF TEXAS.

#### TRACT #1

Being 50.323 acres of land, a part of the JOSEPH DILLARD LEAGUE AND LABOR, ABSTRACT NO. 177, lying and being situated in Gonzales County, Texas, and being real property specifically described in that certain deed from Denver Pullin and wife, Madeline C. Pullin to Harvey W. Johnson and wife, Nancy B. Johnson, dated February 9<sup>th</sup> A.D. 1979, and recorded in Volume 449, Pages 633-636, of the Gonzales County Deed Records.

### TRACT #2

Being 50.023 acres of land, a part of the JOSEPH DILLARD LEAGUE AND LABOR, ABSTRACT NO. 177, lying and being situated in Gonzales County, Texas, and being real property specifically described in that certain deed from Aubrey J. Pullin and wife, Mary L. Pullin to Harvey W. Johnson and wife, Nancy B. Johnson, dated February 9<sup>th</sup> A.D. 1979, and recorded in Volume 449, Pages 629-632, of the Gonzales County Deed Records.

The royalty rate per ton of clay mined and removed from the leased premises for the first 12 consecutive month period (Contract Year) shall be \$2.54 per ton (2000 pounds). This rate shall be adjusted for each subsequent contract year this lease agreement is in effect. The adjustment shall be accomplished by multiplying the base year rate (\$2.54) by an escalation factor described herein. The escalation factor shall be calculated by dividing the US Producer Price Index - All Commodities for the Calendar Year ended December 31 (annual average) first preceding the beginning of the then current contract year of this agreement (PPIn) by the US Producer Price Index - All Commodities for the base period ended December 31, 2009 (PPIb).

Current Rate = Base Rate X Escalation Factor

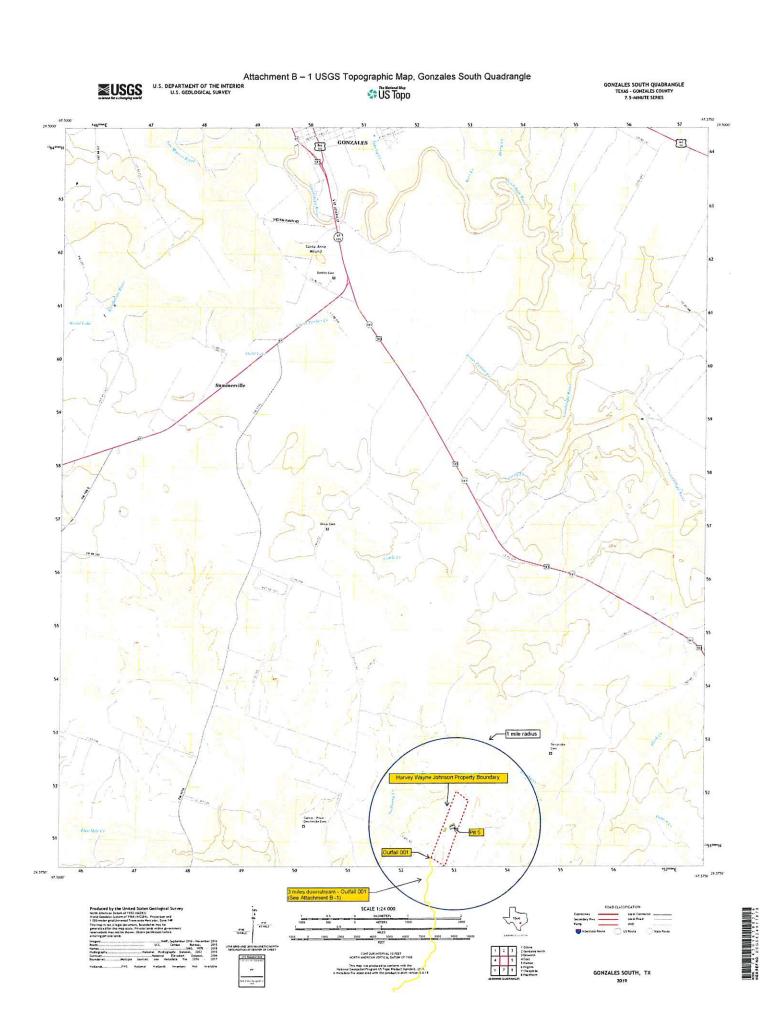
Base Rate = \$2.54

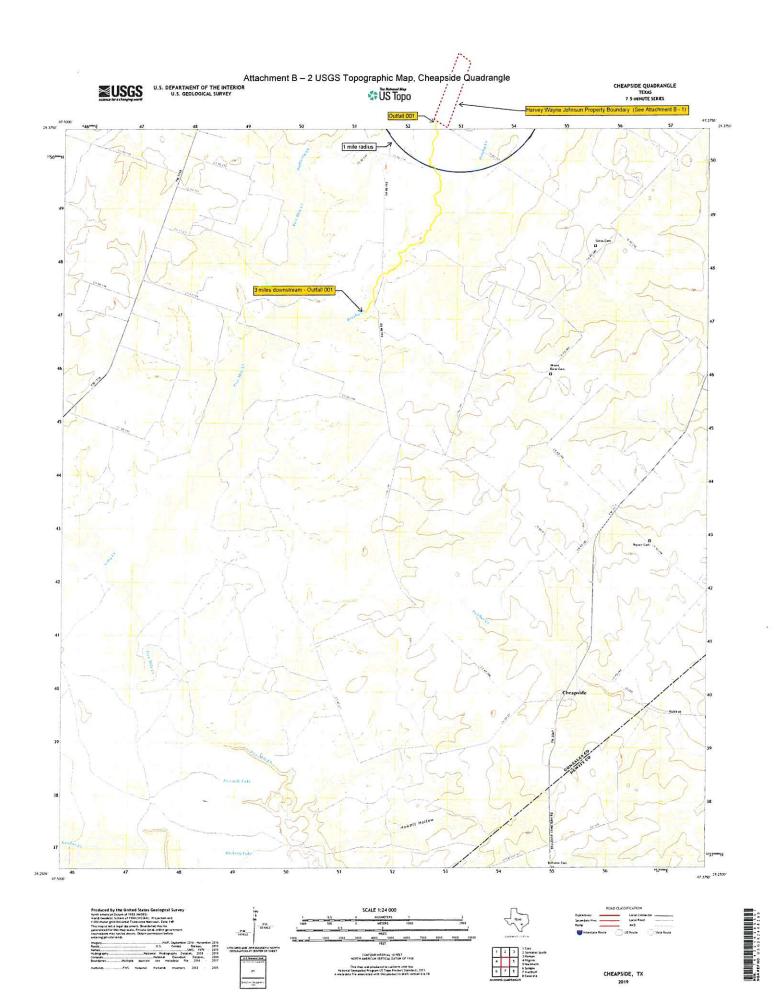
Escalation Factor = PPIn / PPIb

 $PPI_b = Producer Price Index - All Commodities for the base period ended December 31, 2009$ 

 $PPI_n$  = Producer Price Index - All Commodities for the calendar year ended December 31 first preceding the beginning of the then current contract year of this agreement.

For the purpose of this agreement, the Producer Price Index - All Commodities shall be taken from the US Department of Labor, Bureau of Statistics "Producer Price Index" publication with all indexes standardized to 1982 = 100.





# Attachment C – 1 Harvey Wayne Johnson Affected Landowner Names and Mailing Addresses Cross Reference

Affected Landowners identified from the Gonzales County Appraisal District from an online property search (<a href="http://www.gonzalescad.org">http://www.gonzalescad.org</a>) whose land parcels surround the Harvey Wayne Johnson Lease site.

Parcle ID	Owner / Address
5076	Harvey W & Nan

5076 Harvey W & Nancy B Johnson - Land Parcel of Harvey Wayne Johnson Lease

PO BOX 1003 Giddings TX, 78942

5099 Clayton Baker

1805 St. HWY 97 W Gonzales, TX 78629

5085 William & Barbara Holt

1206 Grand River Dr. Richmond, TX 77406

5970 B 3 Land LTD

PO BOX 71

Gonzales, TX 78629

5992 Ricky & Kelly Lester

1174 CR 292

Gonzales, TX 78629

5078 RKL Land Ltd.

1174 CR 292

Gonzales, TX 78629

5066 David Dubose

1564 CR 192

Gonzales, TX 78629



Attachment C - 2 Address Labels

William & Barbara Holt

1206 Grand River Dr.



Clayton Baker 1805 St. HWY 97 W Gonzales, TX 78629

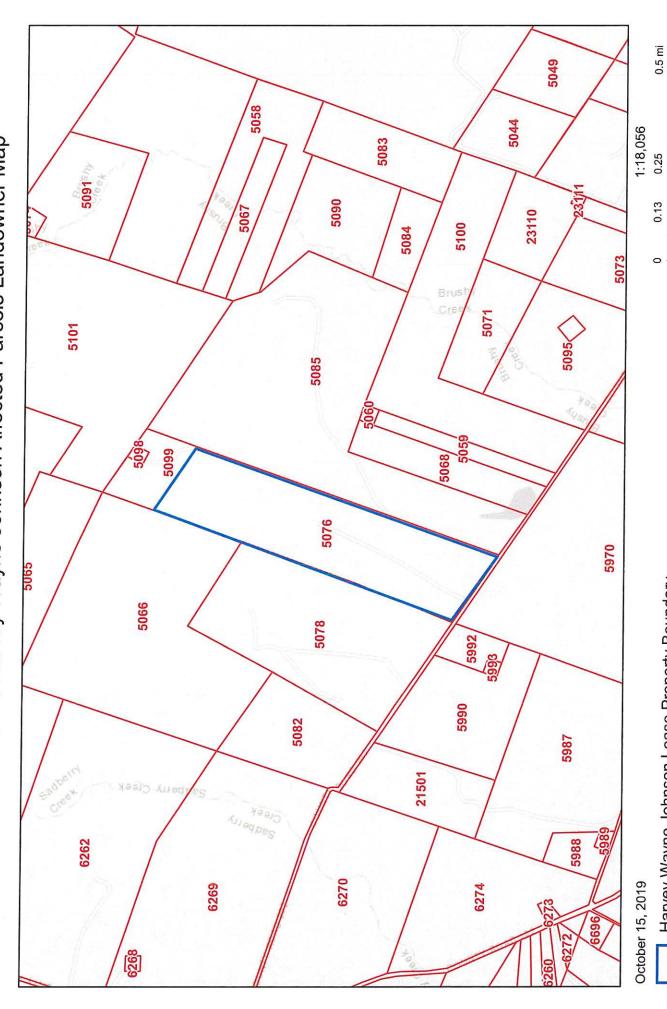
29 Richmond, TX 77406

B 3 Land LTD PO BOX 71 Gonzales, TX 78629

Ricky & Kelly Lester 1174 CR 292 Gonzales, TX 78629 RKL Land Ltd. 1174 CR 292 Gonzales, TX 78629 David Dubose 1564 CR 192 Gonzales, TX 78629



Attachment C – 3 Harvey Wayne Johnson Affected Parcels Landowner Map



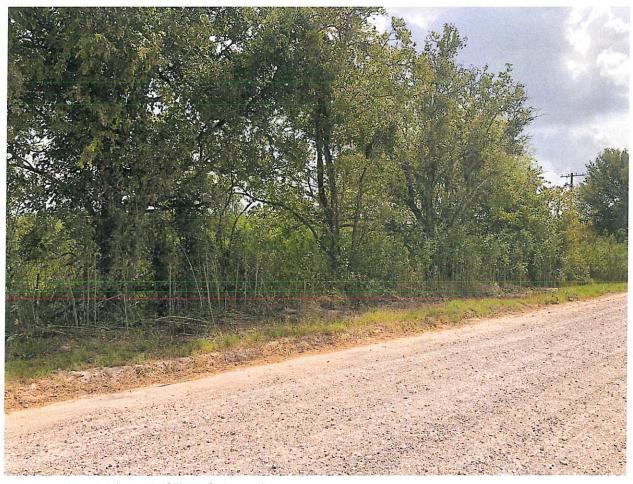
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user

0.2

Harvey Wayne Johnson Lease Property Boundary

0.8 km

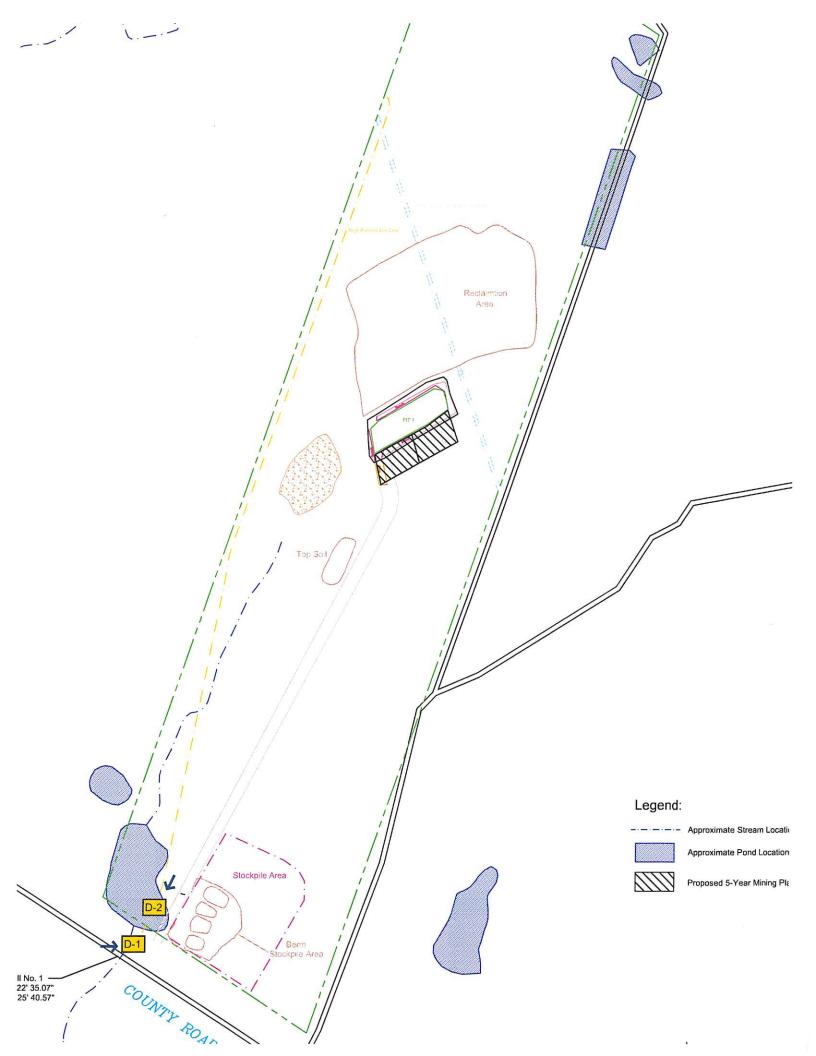
# Attachment D – Photographs

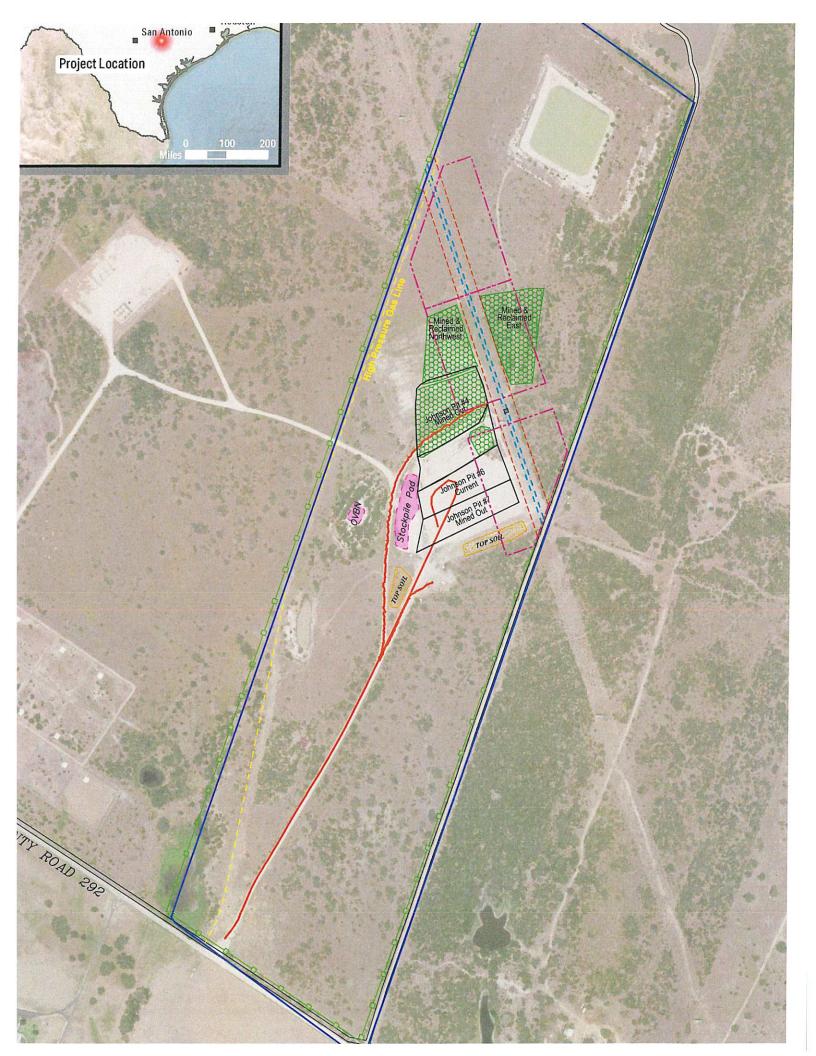


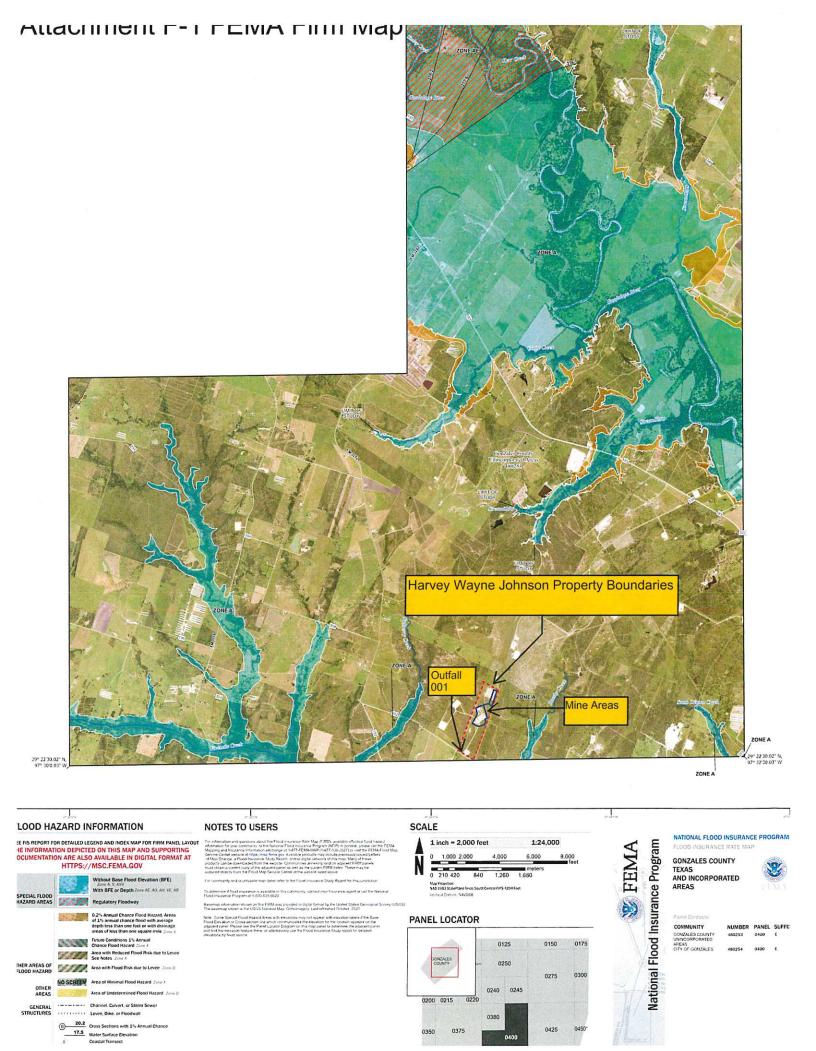
D - 1 Harvey Wayne Johnson Outfall 001, facing north.



D - 2 Harvey Wayne Johnson Outfall 001, facing south.









Attachment G - Analytical Results



May 16, 2022

Order No.: 2204217

Charles Frederick

BYK Additives Inc. / BYK USA Inc.

1212 Church St

Gonzales, TX 78629

TEL: (830) 672-1907

FAX (830) 672-1920

RE: HWJ

Dear Charles Frederick:

DHL Analytical, Inc. received 1 sample(s) on 4/21/2022 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

John DuPont

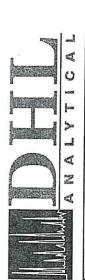
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-22-28



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AnalyticalQCSummaryReport 2204217	20
Subcontract Report 2204217	44



2300 Double Creek Dr. Round Rock, TX 78664

Phone 512.388.8222

Email: login@dhlanalytical.com Web: www.dhlanalytical.com

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FIELD NOTES DHL WORKORDER #: 2204217 IKN, BisPhenol A, Epichlorohydrin LABORATORY USE ONLY COLLECTOR CLP-SVOC - VOC - TEST - HERB MICH HEX CHROME ALKALINITY CODE METALS 6020 🗆 200.8 DISS. METALS 🗆 ERB 8327 LT PHOS EN AMMONIA EN CB 8082 🗆 608:3 🗖 PCB 8270 🗖 625:1 🖾 ☐ HA9 GJOH ☐ 0758 HA9 ΗW PROJECT LOCATION OR NAME: ☐ 300£ Q10H ☐ 300£ HqT ☐ 200£ Hq BTEX [] MTBE [] (METHOD 8260) **SASYJANA** CLIENT PROJECT # **PRESERVATION** ICE & ONPRESERVED  $\times | \times$ ☐ HO6N ☐ 916f9⊃A n∑ DS2H €ОИН PO#: HCF # of Containers し なった かっている 1 46×1 SONL ナシトトーの十 Sooms G Just B 250ML P Sobme & SOOM G SE=SEDIMENT Container d-Troof 40-1-6 Fort P かってい 0 b Type EMAIL: charles.frederick@altana.com SL=SLUDGE P=PAINT Matrix 00 250 ≥ Collection 50 Time 1212 Church St. Gonzales, TX 78629 9 W=WATER **Charles Frederick** SO=SOLID 4/21/25 L=LIQUID 4/21/22 4/01/22 4/21/22 4/21/22 421/25 4/21/22 4/21/22 4/21/22 4/21/22 4/21/22 4/21/22 Collection 4/22/22 4/21/22 27/17/h S=SOIL Date ADDITIONAL REPORT COPIES TO: Only Lab# H BYK Additives Inc. Lab 0 830-672-2891 Authorize 5% surcharge 8 | | DATA REPORTED TO: for TRRP report? Field Sample I.D. 410 50 010 010 110 210 013 400 900 00 600 Sample 002 500 800 000 Sample 06 ADDRESS: □ Yes Smoole Sarak CLIENT: PHONE: Sunple Sum Dic Surple Sample Sarple

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2300 Double Creek Dr. Round Rock, TX 78664

CHAIN-OF-CUSTODY

Phone 512.388.8222 Web: www.dhlanalytical.com

Email: login@dhlanalytical.com

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Relinquished By: (Sign)			DATE/TIME		Receiv	Received by:		<u> </u>	RUSH-1 DAY□ RUSH-2 DAY□	DAY	DAY□ RUSH-	H-2 D	AY		3	CUSTODY SEALS:	)Y SE.	ALS:		BRO	□ BROKEN	Į.	<b>A</b> 'INTACT	NOT USED	
Relinquished By: (Sign)			DATE/TIME		Receiv	Received by:		Т	NORMAL	AAL 🗆	3	OTHER 🗆		ن -	CARRIER:	:: ::	021 🗆	0		☐ FEDEX			8	COURIER	□ OTHER
								집	DUE DATE	삗		ĺ		닠	-	-			×	HAN	D DE	K HAND DELIVERED	۵		
	HL DIS	☐ DHL DISPOSAL @ 5.00 each	5.00 each	_	☐ Return	<u>_</u>		•										핌	2	CR	EV 3	Σ	DHL COC REV 3   MAR 2021	21	

DHL COC REV 3 | MAR 2021

#### Attachment A

Table 1

Outfall No.: \BC G	E	ffluent C	oncentra	tion (mg	g/L)	
Pollutant	Samp.	Samp.	Samp.	Samp.	Average	
Flow (MGD)						
BOD (5-day)						
CBOD (5-day)						
Chemical Oxygen Demand						J
Total Organic Carbon						
Dissolved Oxygen						
Ammonia Nitrogen						
Total Suspended Solids						
Nitrate Nitrogen						
Total Organic Nitrogen						
Total Phosphorus						
Oil and Grease				) S 0// 3		
Total Residual Chlorine						
Total Dissolved Solids						
Sulfate						
Chloride						
Fluoride						
Total Alkalinity (mg/L as CaCO <sub>3</sub> )						17() 11() 12() 13()
Temperature (°F)		W_				
pH (Standard Units; min/max)						

n 11		Effluent (	Concentra	tion (µg/l	(_) <sub>1</sub>	MAL <sup>2</sup>
Pollutant	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

Indicate units if different than µg/L. Minimum Analytical Level

## BYK USA Inc

Dellutout		Effluent (	Concentra	tion (µg/l	L)¹	MAL <sup>2</sup>
Pollutant	Samp.	Samp.	Samp.	Samp.	Average	(μg/L)
Nickel, Total						2
Selenium, Total						5
Silver, Total						0.5
Thallium, Total						0.5
Zinc, Total						5.0

Table 2

able 2	1		r			
Outfall No.: CG	Samp. 1	Samp. 2	Samp. 3	Samp. 4	Avg.	MAL
Pollutant	(μg/L) <sup>3</sup>	(μg/L) <sup>3</sup>	(μg/L) <sup>3</sup>	(μg/L)3	(μg/L) <sup>3</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
m-Dichlorobenzene						10
o-Dichlorobenzene				1		10
p-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-n-Butyl Phthalate						10
Epichlorohydrin						1,000
Ethylbenzene						10
Ethylene Glycol						_

 $<sup>^{</sup>_{\rm 3}}$   $\,$  Indicate units if different than  $\mu g/L.$ 

Outfall No.:			Samp. 3	Samp. 4	Avg.	MAL
Pollutant	(μg/L) <sup>3</sup>	(μg/L) <sup>3</sup>	(μg/L) <sup>3</sup>	(µg/L)3	(μg/L) <sup>3</sup>	(µg/L)
Fluoride						500
Hexachlorobenzene						5
Hexachlorobutadiene						10 .
Hexachlorocyclopentadien	e					10
Hexachloroethane						20
4,4'-Isopropylidenediphene [bisphenol A]	ol					_
Methyl Ethyl Ketone						50
Methyl <i>tert</i> -butyl ether [MTBE]						_
Nitrobenzene						10
N-Nitrosodiethylamine						20
N-Nitroso-di-n-Butylamine						20
Nonylphenol						333
Pentachlorobenzene						20
Pentachlorophenol						_5
Phenanthrene						10
Polychlorinated Biphenyls (PCBs) 4						0.2
Pyridine						20
1,2,4,5-Tetrachlorobenzene						20
1,1,2,2-Tetrachloroethane						10
Tetrachloroethylene						10
Toluene						10
1,1,1-Trichloroethane						10
1,1,2-Trichloroethane						10
Trichloroethylene						10
2,4,5-Trichlorophenol						50
TTHM (Total Trihalomethanes)						10
Vinyl Chloride						10

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.

Table 3

Outfall No.   CCG Pollutant	Believed Present	Believed Absent	Average Concentration (mg/L)	Maximum Concentration (mg/L)	No. of Samples	MAL (mg/L)
Bromide	Present		(mg/L)	(IIIg/ L)		0.400
Color (PCU)		Absent				_
Nitrate-Nitrite (as N)	Present					11
Sulfide (as S)		Absent				-
Sulfite (as SO <sub>3</sub> )		Absent				_
Surfactants		Absent				_
Boron, total	Present					0.020
Cobalt, total		Absent				0.0003
Iron, total	Present					0.007
Magnesium, total	present					0.020
Manganese, total	Present					0.0005
Molybdenum, total	Present					0.001
Tin, total		Absent				0.005
Titanium, total		Absent		- 5%		0.030

ANALYTICAL

CUSTODY SEAL

SIGNATURE

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#### Sample Receipt Checklist

Client Name BYK Additives Inc. / BYK USA Inc.		Date Receiv	/ed:	4/21/2022
Work Order Number 2204217		Received by	: EL	
Checklist completed by: Signature  4/21/202 Date	22	Reviewed by	SH Initials	4/21/2022 Date
Carrier name:	Hand Delivered			
Shipping container/cooler in good condition?	Yes 🗸	No	Not Present	t rû
Custody seals intact on shipping container/cooler?	Yes 🗸	No:	Not Present	t Ci
Custody seals intact on sample bottles?	Yes 🗸	No	Not Present	
Chain of custody present?	Yes 🗸	No		
Chain of custody signed when relinquished and received?	Yes 🗸	No		
Chain of custody agrees with sample labels?	Yes 🗸	No		
Samples in proper container/bottle?	Yes 🗸	No		
Sample containers intact?	Yes 🗸	No		
Sufficient sample volume for indicated test?	Yes 🗸	No		
All samples received within holding time?	Yes 🗸	No		
Container/Temp Blank temperature in compliance?	Yes 🗸	No 3	.5 °C	
Water - VOA vials have zero headspace?	Yes	No 🗸 N	lo VOA vials	submitted
Water - pH<2 acceptable upon receipt?	Yes 🗸	No i N	IA LC	DT # 13171
	Adjusted? $N$	0	Checked b	by EC
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes 🗸	No N	A LC	DT# 12798
	Adjusted? $\eta$	0	Checked b	by EC
Any No response must be detailed in the comments section below.				
Client contacted: BYK Date contacted:	4/21/2	2 Perso	n contacted	Charles F.
Contacted by: $\mathcal{E}$ ric $\mathcal{L}$ . Regarding: $\mathcal{H}_{e}$	ad spac	e		

VOA vials received with headspace > 6mm in diameter.

Corrective Action: Per Charles F., proceed with analysis and flag data.

Comments:

Date: 16-May-22

CLIENT:

BYK Additives Inc. / BYK USA Inc.

Project:

HWJ

Lab Order:

2204217

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

E1664A, E300, M2320 B, HACH 8000, E200.8, E625.1, D7065-11, E624.1 and Standard Methods.

For Volatiles and Epichlorohydrin analyses the VOA vials arrived at DHL Analytical with headspace greater than 6mm in diameter. Proceeded with analyses as per the client. All Volatiles and the Epichlrorhydrin results are flagged with a "C" to designate this.

For Semivolatiles analysis an MSD was not performed due to insufficient sample volume. The QC includes the method blank, LCS and MS.

For Volatiles analysis an MS/MSD was not performed due to insufficient sample volume. An LCS/LCSD was performed instead.

For Oil & Grease analysis an MS was not performed due to insufficient sample volume. An LCS/LCSD was performed instead.

For PCB analysis an MS/MSD was not performed due to insufficient sample volume. The QC includes the MB and LCS.

For TOC analysis an MS/MSD was not performed due to insufficient sample volume. An LCS/LCSD was performed instead.

All method blanks, sample duplicates, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Volatiles analysis by method E624.1 the LCS and LCSD had the RPD above control limits for Vinyl chloride. This is flagged accordingly in the enclosed QC summary report. The "R" flag denotes the RPD was outside control limits. The percent recoveries were within control limits for this compound. No further corrective actions were taken.

The TKN, Glycol and Epichlorohydrin analyses were sub-contracted to ALS.

The BOD and C-BOD were sub-contracted to Aqua-Tech Laboratories.

The Mercury analysis was sub-contracted to Pollution Control Services.

Date: 16-May-22

CLIENT:

BYK Additives Inc. / BYK USA Inc.

Project:

HWJ

Lab Order:

2204217

**Work Order Sample Summary** 

Lab Smp ID Client Sample ID

Tag Number

**Date Collected** 

**Date Recved** 

2204217-01 HWJ

04/21/22 10:40 AM

4/21/2022

PREP DATES REPORT

# DHL Analytical, Inc.

Client: BYK Additives Inc. / BYK USA Inc. Project: HWJ	Lab Order:	2204217
Project: HWJ	Client:	BYK Additives Inc. / BYK USA Inc.
	Project:	HWJ

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
2204217-01A	HWJ	04/21/22 10:40 AM	Aqueous	E624 PR	Purge and Trap Water GC/MS	04/22/22 10:46 AM	10488
2204217-01B	HWJ	04/21/22 10:40 AM	Aqueous	M5310C	TOC prep Aqueous	04/26/22 12:34 PM	105045
2204217-01C	HWJ	04/21/22 10:40 AM	Aqueous	E200.8_PR	Aq Digestion for Metals : ICP-MS	04/25/22 08:24 AM	105011
2204217-01D	HWJ	04/21/22 10:40 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	04/25/22 08:28 AM	105013
	HWJ	04/21/22 10:40 AM	Aqueous	HACH 8000	COD Prep	04/22/22 08:08 AM	104992
	HWJ	04/21/22 10:40 AM	Aqueous	M4500-P E	T-Phosphorus Prep Water	04/29/22 09:26 AM	105096
2204217-01E	HWJ	04/21/22 10:40 AM	Aqueous	M4500-CN E	Cyanide Water Prep	04/25/22 08:28 AM	105014
2204217-01F	HWJ	04/21/22 10:40 AM	Aqueous	M2320 B	Alkalinity Preparation	04/26/22 10:39 AM	105042
	НМЈ	04/21/22 10:40 AM	Aqueons	E300	Anion Preparation	04/22/22 10:07 AM	105000
	HWJ	04/21/22 10:40 AM	Aqueous	E300	Anion Preparation	04/22/22 10:07 AM	105000
	НМЈ	04/21/22 10:40 AM	Aqueous	E300	Anion Preparation	04/22/22 10:07 AM	105000
	HWJ	04/21/22 10:40 AM	Aqueous	M3500-Cr B	Hexachrom Prep Water	04/22/22 10:02 AM	104996
	НМЈ	04/21/22 10:40 AM	Aqueous	M2540C	TDS Preparation	04/25/22 11:13 AM	105024
2204217-01G	HWJ	04/21/22 10:40 AM	Aqueous	M2540D	TSS Preparation	04/25/22 11:19 AM	105026
2204217-01H	HWJ	04/21/22 10:40 AM	Aqueous	E625_PR	Semivol Extraction for 625.1	04/25/22 10:32 AM	105021
	НМЈ	04/21/22 10:40 AM	Aqueous	E625_PR	Semivol Extraction for 625.1	04/25/22 10:32 AM	105021
	HWJ	04/21/22 10:40 AM	Aqueous	E625_PR	Semivol Extraction for 625.1	04/25/22 10:32 AM	105021
2204217-011	HWJ	04/21/22 10:40 AM	Aqueous	E625_PR	Aq Prep Sep Funnel: Pest or PCB	04/22/22 09:04 AM	104994
2204217-01J	HWJ	04/21/22 10:40 AM	Aqueous	E1664	1664 Prep	05/03/22 08:16 AM	105146

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ANALYTICAL DATES REPORT

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Lab Order: 2204217

Client: BYK Additives Inc. / BYK USA Inc.

Project: HWJ

Sample 1D	Client Sample 1D	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
2204217-01A	HWJ	Aqueous	E624.1	624.1 Volatiles Water	104988	-	04/22/22 04:37 PM	GCMS5 220422B
2204217-01B	HWJ	Aqueous	M5310C	Total Organic Carbon	105045	-	04/28/22 01:22 PM	TOC 220428A
2204217-01C	HWJ	Aqueous	E200.8	Total Metals-ICPMS (TCEQ MAL)	105011	-	04/28/22 11:20 AM	ICP-MS4 220428B
2204217-01D	HWJ	Aqueous	M4500-NH3-D	Ammonia aqueous	105013	-	04/25/22 02:00 PM	WC 220425A
	HWJ	Aqueous	HACH 8000	Chemical Oxygen Demand	104992	-	04/22/22 11:49 AM	UV/VIS 2 220422A
	HWJ	Aqueons	M4500-P E	Total Phosphorus	105096	-	04/29/22 02:55 PM	UV/VIS 2 220429D
2204217-01E	HWJ	Aqueous	M4500-CN E	Cyanide - Water Sample	105014	1	04/25/22 04:29 PM	UV/VIS 2 220425A
2204217-01F	HWJ	Aqueous	M2320 B	Alkalinity	105042	-	04/26/22 01:37 PM	TITRATOR 220426B
	HWJ	Aqueous	E300	Anions by IC method - Water	105000	100	04/22/22 05:46 PM	IC4_220422A
	НМЈ	Aqueous	E300	Anions by IC method - Water	105000	10	04/22/22 07:40 PM	IC4_220422A
	HWJ	Aqueous	E300	Anions by IC method - Water	105000	-	04/22/22 08:56 PM	IC4_220422A
	HWJ	Aqueous	M3500-Cr B	Hexavalent Chromium-Water	104996	-	04/22/22 10:07 AM	UV/VIS_2_220422C
	HWJ	Adneons	M2540C	Total Dissolved Solids	105024	-	04/25/22 04:25 PM	WC_220425H
2204217-01G	HWJ	Aqueous	M2540D	Total Suspended Solids	105026	-	04/25/22 01:40 PM	WC 220425E
2204217-01H	HWJ	Aqueous	E625.1	625.1 Semivolatile Water	105021	-	04/26/22 01:09 PM	GCMS9 220426C
	HWJ	Aqueous	D7065-11	Nonylphenol in Water by ASTM Method 105021	od 105021	-	04/26/22 01:09 PM	GCMS9 220426D
	HWJ	Aqueous	D7065-11	Nonylphenol in Water by ASTM Method 105021	od 105021	-	05/10/22 06:23 PM	GCMS9 220510E
2204217-011	HWJ	Aqueous	E625.1	625.1 PCB by GC/MS	104994	-	04/25/22 12:21 PM	GCMS8 220425A
2204217-01J	HWJ	Aqueous	E1664A	Total Oil & Grease	105146	-	05/03/22 02:33 PM	WC 220503A
2204217-01K	HWJ	Aqueous	SW8260D	VOC - Specialty Target Compounds	R120750	-	04/25/22 05:23 PM	SUB 220425C
2204217-01L	HWJ	Aqueous	SW8015B	Glycol by GC-FID Water	R120751	-	04/25/22 03:39 PM	SUB_220425D
2204217-01M	HWJ	Aqueous	E351.2	Total Kjeldahl Nitrogen (A)	R120752	-	04/28/22 03:55 PM	SUB 220428A
2204217-01N	HWJ	Aqueous	M5210 B	ВОД	R120728	-	04/22/22 07:25 AM	SUB 220422A
2204217-010	HWJ	Aqueous	M5210B	Carbonaceous BOD	R120730		04/22/22 07:25 AM	SUB 220422B
2204217-01P	HWJ	Aqueous	E245.7	Mercury Low Level	R120928	_	05/05/22 09:05 AM	SUB_220505B

Date: 16-May-22

CLIENT:

BYK Additives Inc. / BYK USA Inc.

Project:

Project No:

HWJ

Client Sample ID: HWJ

Lab ID: 2204217-01

Collection Date: 04/21/22 10:40 AM

<b>Lab Order:</b> 2204217				1	Matrix: AQUEO	US	
Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL OIL & GREASE Oil & Grease	<1.43	E166	54 <b>A</b> 5.10		mg/L	1	Analyst: <b>RO</b> 05/03/22 02:33 PM
TOTAL KJELDAHL NITROGEN	SANCTON STREET, AND ADDRESS OF THE PARTY OF	E35					Analyst: SUB
Total Kjeldahl Nitrogen	0.260	0.100	0.500	J	mg/L	1	04/28/22 03:55 PM
Total Organic Nitrogen	0.260	0.100	0.500	JN	mg/L	1	04/28/22 03:55 PM
BOD		M521	0 B				Analyst: SUB
Biochemical Oxygen Demand	<1.00	1.00	1.00		mg/L	1	04/22/22 07:25 AM
CARBONACEOUS BOD		M521	IOR				Analyst: SUB
Carbonaceous BOD	5.00	1.00	1.00		mg/L	1	04/22/22 07:25 AM
ANIONS BY IS METHOD WAS		F00					Ameliati Das
ANIONS BY IC METHOD - WAT Bromide	<0.300	E30 0.300	1.00		mg/L	1	Analyst: <b>BM</b> 04/22/22 08:56 PM
Chloride	47.5	0.300	1.00		mg/L	1	04/22/22 08:56 PM
Fluoride	0.172	0.300	0.400	J	mg/L	1	04/22/22 08:56 PM
Nitrate-N	<0.172	0.100	0.500	٠		1	04/22/22 08:56 PM
Sulfate	110	1.00	3.00		mg/L mg/L	1	04/22/22 08:56 PM
Nitrate+Nitrite-N	<0.100	0.100	0.500			1	04/22/22 08:56 PM
Miliale+Miline-M	<0.100	0.100	0.500		mg/L	3	04/22/22 00.30 PW
ALKALINITY		M232	0 B				Analyst: <b>BM</b>
Alkalinity, Total (As CaCO3)	20.9	20.0	20.0		mg/L @ pH 4.52	1	04/26/22 01:37 PM
AMMONIA AQUEOUS		M4500-N	IH3-D				Analyst: MFW
Ammonia-N (As N)	<0.100	0.100	0.250		mg/L	1	04/25/22 02:00 PM
CHEMICAL OXYGEN DEMAND		HACH	ROOO				Analyst: BTJ
Chemical Oxygen Demand	<5.00	5.00	15.0		mg/L	1	04/22/22 11:49 AM
			••				Ameliat 10
TOTAL DISSOLVED SOLIDS	140	M254				-	Analyst: JS
Total Dissolved Solids (Residue, Filterable)	410	10.0	10.0		mg/L	1	04/25/22 04:25 PM
TOTAL ORGANIC CARBON		M531	nc				Analyst: MFW
Total Organic Carbon	1.82	0.300	1.00		mg/L	1	04/28/22 01:22 PM
rotal Organio Carbon		0.000	1.00		g/L	·	
TOTAL PHOSPHORUS		M4500-					Analyst: JV
Total Phosphorus (As P)	0.172	0.0400	0.100		mg/L	1	04/29/22 02:55 PM
TOTAL SUSPENDED SOLIDS		M254	0D				Analyst: JS
Suspended Solids (Residue, Non-	8.85	2.40	2.40		mg/L	1	04/25/22 01:40 PM
Filterable)	THE RESERVE OF THE PARTY OF THE						

- Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- Analyte detected between MDL and RL J
- ND Not Detected at the Method Detection Limit
- Spike Recovery outside control limits

- Sample Result or QC discussed in the Case Narrative
- TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- Reporting Limit
- Parameter not NELAP certified

Date: 16-May-22

CLIENT:

BYK Additives Inc. / BYK USA Inc.

HWJ

Client Sample ID: HWJ

Project:

2204217

Lab ID: 2204217-01

Project No: Lab Order:

Collection Date: 04/21/22 10:40 AM

Matrix: AQUEOUS

Emb Graci. 220 (217					matrix. My	OLOGB	
Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TOTAL METALS-ICPMS (TCEQ	MAL)	E20	0.8				Analyst: SP
Aluminum	1410	2.50	2.50		μg/L	1	04/28/22 11:20 AM
Antimony	0.806	0.800	2.50	J	μg/L	1	04/28/22 11:20 AM
Arsenic	1.85	0.500	0.500		μg/L	1	04/28/22 11:20 AM
Barium	56.6	3.00	3.00		μg/L	1	04/28/22 11:20 AM
Beryllium	0.349	0.300	0.500	J	μg/L	1	04/28/22 11:20 AM
Boron	112	10.0	30.0		μg/L	1	04/28/22 11:20 AM
Cadmium	<0.300	0.300	1.00		μg/L	1	04/28/22 11:20 AM
Chromium	<2.00	2.00	3.00		μg/L	1	04/28/22 11:20 AM
Copper	<1.00	1.00	2.00		μg/L	1	04/28/22 11:20 AM
Iron	652	7.00	7.00		μg/L	1	04/28/22 11:20 AM
Lead	1.89	0.300	0.500		μg/L	1	04/28/22 11:20 AM
Magnesium	2980	100	100		μg/L	1	04/28/22 11:20 AM
Manganese	7.93	0.500	0.500		μg/L	1	04/28/22 11:20 AM
Molybdenum	4.15	1.00	1.00		μg/L	1	04/28/22 11:20 AM
Nickel	1.58	1.00	2.00	J	μg/L	1	04/28/22 11:20 AM
Selenium	<2.00	2.00	2.00		μg/L	1	04/28/22 11:20 AM
Silver	< 0.500	0.500	0.500		μg/L	1	04/28/22 11:20 AM
Thallium	<0.500	0.500	0.500		µg/L	1	04/28/22 11:20 AM
Zinc	23.8	2.00	5.00		μg/L	1	04/28/22 11:20 AM
325.1 PCB BY GC/MS		E62	5.1				Analyst: <b>DEW</b>
Aroclor 1016	<0.0989	0.0989	0.198		µg/L	1	04/25/22 12:21 PM
Aroclor 1221	<0.0989	0.0989	0.198		μg/L	1	04/25/22 12:21 PM
Aroclor 1232	< 0.0989	0.0989	0.198		μg/L	1	04/25/22 12:21 PM
Aroclor 1242	< 0.0989	0.0989	0.198		μg/L	1	04/25/22 12:21 PM
Aroclor 1248	< 0.0989	0.0989	0.198		μg/L	1	04/25/22 12:21 PM
Aroclor 1254	<0.0989	0.0989	0.198		μg/L	1	04/25/22 12:21 PM
Aroclor 1260	< 0.0989	0.0989	0.198		μg/L	1	04/25/22 12:21 PM
Total PCBs	<0.0989	0.0989	0.198		μg/L	1	04/25/22 12:21 PM
Surr: 2-Fluorobiphenyl	54.8	0	43-116		%REC	1	04/25/22 12:21 PM
Surr: 4-Terphenyl-d14	62.7	0	33-141		%REC	1	04/25/22 12:21 PM
25.1 SEMIVOLATILE WATER		E625	5.1				Analyst: <b>DEW</b>
Anthracene	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
Benzidine	<4.93	4.93	49.3		μg/L	1	04/26/22 01:09 PM
Benzo[a]anthracene	<1.97	1.97	4.93		μg/L	1	04/26/22 01:09 PM
Benzo[a]pyrene	<1.97	1.97	4.93		μg/L	1	04/26/22 01:09 PM
Bis(2-chloroethyl)ether	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
Bis(2-ethylhexyl)phthalate	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM

- Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- Spike Recovery outside control limits

- Sample Result or QC discussed in the Case Narrative C
- TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- Parameter not NELAP certified

Date: 16-May-22

CLIENT:

BYK Additives Inc. / BYK USA Inc.

Project:

HWJ

Project No:

Lab Order: 2204217 Client Sample ID: HWJ

Lab ID: 2204217-01

Collection Date: 04/21/22 10:40 AM

Matrix: AQUEOUS

Eab Order: 2204217					matrix. AQ	OLOOD	
Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		E62	5.1				Analyst: <b>DEW</b>
Chrysene	<1.97	1.97	4.93		μg/L	1	04/26/22 01:09 PM
4,6-Dinitro-o-cresol	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
m,p-Cresols	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
o-Cresol	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
p-Chloro-m-Cresol	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
3,3'-Dichlorobenzidine	<1.97	1.97	4.93		μg/L	1	04/26/22 01:09 PM
2,4-Dimethylphenol	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
Di-n-butyl phthalate	<3.94	3.94	9.85		μg/L	1	04/26/22 01:09 PM
Hexachlorobenzene	<1.97	1.97	4.93		μg/L	1	04/26/22 01:09 PM
Hexachlorobutadiene	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
Hexachlorocyclopentadiene	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
Hexachloroethane	<1.97	1.97	19.7		μg/L	1	04/26/22 01:09 PM
Nitrobenzene	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
N-Nitrosodiethylamine	<1.97	1.97	19.7		μg/L	1	04/26/22 01:09 PM
N-Nitrosodi-n-butylamine	<1.97	1.97	19.7		μg/L	1	04/26/22 01:09 PM
Pentachlorobenzene	<1.97	1.97	19.7		μg/L	1	04/26/22 01:09 PM
Pentachlorophenol	<1.97	1.97	4.93		μg/L	1	04/26/22 01:09 PM
Phenanthrene	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
Pyridine	<3.94	3.94	19.7		μg/L	1	04/26/22 01:09 PM
1,2,4,5-Tetrachlorobenzene	<1.97	1.97	19.7		μg/L	1	04/26/22 01:09 PM
2,4,5-Trichlorophenol	<1.97	1.97	9.85		μg/L	1	04/26/22 01:09 PM
Surr: 2,4,6-Tribromophenol	84.8	0	10-123		%REC	1	04/26/22 01:09 PM
Surr: 2-Fluorobiphenyl	72.0	0	43-116		%REC	1	04/26/22 01:09 PM
Surr: 2-Fluorophenol	46.0	0	21-100		%REC	1	04/26/22 01:09 PM
Surr: 4-Terphenyl-d14	68.0	0	33-141		%REC	1	04/26/22 01:09 PM
Surr: Nitrobenzene-d5	81.2	0	35-115		%REC	1	04/26/22 01:09 PM
Surr: Phenol-d5	29.5	0	10-94		%REC	1	04/26/22 01:09 PM
NONYLPHENOL IN WATER BY AST	M METHOD	D7065	-11				Analyst: <b>DEW</b>
Bisphenol A (BPA)	< 0.985	0.985	9.85	N	μg/L	1	05/10/22 06:23 PM
Nonylphenol	<69.0	69.0	98.5	N	μg/L	1	04/26/22 01:09 PM
624.1 VOLATILES WATER		E624					Analyst: JVR
Acrolein	<15.0	15.0	50.0	С	μg/L	1	04/22/22 04:37 PM
Acrylonitrile	<3.00	3.00	50.0	С	μg/L	1	04/22/22 04:37 PM
Benzene	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Bromodichloromethane	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Bromoform	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Carbon tetrachloride	<1.00	1.00	2.00	С	μg/L	1	04/22/22 04:37 PM

- Value exceeds TCLP Maximum Concentration Level
- DF Dilution Factor
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- Spike Recovery outside control limits

- Sample Result or QC discussed in the Case Narrative C
- TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- Parameter not NELAP certified

Date: 16-May-22

CLIENT:

BYK Additives Inc. / BYK USA Inc.

Project:

2204217

Client Sample ID: HWJ

Project No: Lab Order: Lab ID: 2204217-01

Collection Date: 04/21/22 10:40 AM

Matrix: AQUEOUS

					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	СВОСЬ	
Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		E624	4.1				Analyst: JVR
Chlorobenzene	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Chlorodibromomethane	<1.00	1.00	10.0	С	µg/L	1	04/22/22 04:37 PM
Chloroform	<1.00	1.00	10.0	С	µg/L	1	04/22/22 04:37 PM
1,2-Dibromoethane	<1.00	1.00	2.00	С	μg/L	1	04/22/22 04:37 PM
1,3-Dichlorobenzene	<1.00	1.00	5.00	С	μg/L	1	04/22/22 04:37 PM
1,2-Dichlorobenzene	<1.00	1.00	5.00	С	μg/L	1	04/22/22 04:37 PM
1,4-Dichlorobenzene	<1.00	1.00	5.00	С	μg/L	1	04/22/22 04:37 PM
1,2-Dichloroethane	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
1,1-Dichloroethene	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Methylene chloride (DCM)	<2.50	2.50	20.0	С	μg/L	1	04/22/22 04:37 PM
1,2-Dichloropropane	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
1,3-Dichloropropene (cis)	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
1,3-Dichloropropene (trans)	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Ethylbenzene	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Methyl ethyl ketone	<15.0	15.0	50.0	С	μg/L	1	04/22/22 04:37 PM
1,1,2,2-Tetrachloroethane	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Tetrachloroethene	<2.00	2.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Toluene	<2.00	2.00	10.0	С	μg/L	1	04/22/22 04:37 PM
1,1,1-Trichloroethane	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
1,1,2-Trichloroethane	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Trichloroethene	<1.00	1.00	10.0	C	μg/L	1	04/22/22 04:37 PM
TTHM (Total Trihalomethanes)	<5.00	5.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Vinyl chloride	<1.00	1.00	10.0	С	μg/L	1	04/22/22 04:37 PM
Surr: 1,2-Dichloroethane-d4	107	0	72-119		%REC	1	04/22/22 04:37 PM
Surr: 4-Bromofluorobenzene	96.6	0	76-119		%REC	1	04/22/22 04:37 PM
Surr: Dibromofluoromethane	96.0	0	85-115		%REC	1	04/22/22 04:37 PM
Surr: Toluene-d8	104	0	81-120		%REC	1	04/22/22 04:37 PM
MERCURY LOW LEVEL		E245	.7				Analyst: SUB
Mercury	0.00600	0.00500	0.00500		μg/L	1	05/05/22 09:05 AM
SLYCOL BY GC-FID WATER		SW801	5B				Analyst: SUB
Ethylene Glycol	<330	330	1000		µg/L	1	04/25/22 03:39 PM
OC - SPECIALTY TARGET COMP	POUNDS	SW826	0D				Analyst: SUB
Epichlorohydrin	<3.5	3.5	20	CN	μg/L	1	04/25/22 05:23 PM
HEXAVALENT CHROMIUM-WATER	R	M3500-C	RB				Analyst: <b>JS</b>
Hexavalent Chromium	<3.00	3.00	3.00		μg/L	1	04/22/22 10:07 AM
Trivalent Chromium	<2.00	2.00	3.00	N	μg/L	1	04/22/22 10:07 AM

- Value exceeds TCLP Maximum Concentration Level
- Dilution Factor DF
- Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- Spike Recovery outside control limits

- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- Parameter not NELAP certified

Date: 16-May-22

CLIENT:

BYK Additives Inc. / BYK USA Inc.

Project:

HWJ

Client Sample ID: HWJ

Lab ID: 2204217-01

Project No:

Collection Date: 04/21/22 10:40 AM

Matrix: AOUEOUS

<b>Lab Order:</b> 2204217				M	1atrix: AQU	JEOUS	
Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
CYANIDE - WATER SAMPLE		M4500-C	N E				Analyst: MFW
Cyanide, Available	<10.0	10.0	10.0		μg/L	1	04/25/22 04:29 PM
Cyanide, Total	<10.0	10.0	10.0		μg/L	1	04/25/22 04:29 PM

Qualifiers:

Value exceeds TCLP Maximum Concentration Level

DF Dilution Factor

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Spike Recovery outside control limits

Sample Result or QC discussed in the Case Narrative C

TPH pattern not Gas or Diesel Range Pattern

MDL Method Detection Limit

RL Reporting Limit

Parameter not NELAP certified

μg/L

4/25/2022

Page 1 of 24

## DHL Analytical, Inc.

**CLIENT:** 

Project:

BYK Additives Inc. / BYK USA Inc.

The QC data in batch 105011 applies to the following samples: 2204217-01C

Batch ID:

Run ID:

Analyte detected between MDL and RL

Analyte detected between SDL and RL

Not Detected at the Method Detection Limit

J

ND

RL

Reporting Limit

105011

ICP-MS4\_220428B

Work Order:

Sample ID: MB-105011

SampType: MBLK

2204217

HWJ

# ANALYTICAL QC SUMMARY REPORT

RunID:

E200.8

Analysis Date: 4/28/2022 11:10:00 AM

ICP-MS4\_220428B

Units:

Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD RPDLir	nit Q
Aluminum	<2.50	2.50							
Antimony	<0.800	2.50							
Arsenic	<0.500	0.500							
Barium	<3.00	3.00							
Beryllium	< 0.300	0.500							
Boron	<10.0	30.0							
Cadmium	< 0.300	1.00							
Chromium	<2.00	3.00							
Copper	<1.00	2.00							
Iron	<7.00	7.00							
Lead	< 0.300	0.500							
Magnesium	<100	100							
Manganese	< 0.500	0.500							
Molybdenum	<1.00	1.00							
Nickel	<1.00	2.00							
Selenium	<2.00	2.00							
Silver	< 0.500	0.500							
Гhallium	< 0.500	0.500							
Zinc	<2.00	5.00							
Sample ID: LCS-105011	Batch ID: 105011		TestNo	E200	0.8		Units:	μg/L	
SampType: LCS	Run ID: ICP-MS4	_220428B	Analysi	s Date: 4/28	/2022 11:12	2:00 AM	Prep Date:	: 4/25/2022	
SampType: LCS Analyte	Run ID: ICP-MS4	<b>_220428B</b> RL	Analysi SPK value	s Date: 4/28/ Ref Val	%REC			: 4/25/2022 %RPD RPDLim	nit Qu
	######################################							33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Qı
Analyte Aluminum	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Qı
Analyte Aluminum Antimony	Result	RL 2.50	SPK value	Ref Val	%REC	LowLim 85	it HighLimit	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Qı
Analyte Aluminum Antimony Arsenic	Result 214 197	RL 2.50 2.50	SPK value 200.0 200.0	Ref Val 0 0	%REC 107 98.3	LowLim 85 85	it HighLimit 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q
Analyte Aluminum Antimony Arsenic Barium	Result 214 197 204	RL 2.50 2.50 0.500	SPK value 200.0 200.0 200.0	Ref Val 0 0 0	%REC 107 98.3 102	85 85 85	115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Qu
Analyte Aluminum Antimony Arsenic Barium Beryllium	Result 214 197 204 199	RL 2.50 2.50 0.500 3.00	SPK value  200.0  200.0  200.0  200.0  200.0	Ref Val 0 0 0 0 0	%REC 107 98.3 102 99.6	85 85 85 85	115 115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q
Analyte Aluminum Antimony Arsenic Barium Beryllium	Result  214 197 204 199 207	2.50 2.50 0.500 3.00 0.500	SPK value  200.0  200.0  200.0  200.0  200.0  200.0	Ref Val 0 0 0 0	%REC 107 98.3 102 99.6 103	85 85 85 85 85	115 115 115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q
Analyte	Result  214 197 204 199 207 197	RL 2.50 2.50 0.500 3.00 0.500 30.0	SPK value  200.0 200.0 200.0 200.0 200.0 200.0 200.0	Ref Val 0 0 0 0 0 0	%REC 107 98.3 102 99.6 103 98.5	85 85 85 85 85 85 85	115 115 115 115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q
Analyte Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium	Result  214 197 204 199 207 197 203	RL 2.50 2.50 0.500 3.00 0.500 30.0 1.00	SPK value  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0	Ref Val  0 0 0 0 0 0 0 0 0 0	%REC 107 98.3 102 99.6 103 98.5 101	85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q
Analyte Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium Chromium	Result  214 197 204 199 207 197 203 208	RL 2.50 2.50 0.500 3.00 0.500 30.0 1.00 3.00	SPK value  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0	Ref Val  0 0 0 0 0 0 0 0 0 0 0	%REC 107 98.3 102 99.6 103 98.5 101 104	85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q
Analyte Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Copper	Result  214 197 204 199 207 197 203 208 198	RL 2.50 2.50 0.500 3.00 0.500 30.0 1.00 3.00 2.00	SPK value  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0	Ref Val  0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 107 98.3 102 99.6 103 98.5 101 104 98.9	85 85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q
Analyte Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Copper	Result  214 197 204 199 207 197 203 208 198 207	RL  2.50  2.50  0.500  3.00  0.500  30.0  1.00  3.00  2.00  7.00  0.500	SPK value  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0	Ref Val  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC  107 98.3 102 99.6 103 98.5 101 104 98.9 103	85 85 85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q
Analyte Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Copper Fon ead flagnesium	Result  214 197 204 199 207 197 203 208 198 207 195 5240	RL  2.50 2.50 0.500 3.00 0.500 30.0 1.00 3.00 2.00 7.00 0.500 100	SPK value  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  500.0	Ref Val  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC  107 98.3 102 99.6 103 98.5 101 104 98.9 103 97.3 105	85 85 85 85 85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q
Analyte Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Copper	Result  214 197 204 199 207 197 203 208 198 207 195	RL  2.50  2.50  0.500  3.00  0.500  30.0  1.00  3.00  2.00  7.00  0.500	SPK value  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0  200.0	Ref Val  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC  107 98.3 102 99.6 103 98.5 101 104 98.9 103 97.3	85 85 85 85 85 85 85 85 85 85 85	115 115 115 115 115 115 115 115 115 115	33 334 54 54 54 55 55 55 55 55 55 55 55 55 55	nit Q

TestNo:

N

MDL Method Detection Limit

RPD outside accepted control limits

Spike Recovery outside control limits

Parameter not NELAP certified

Project:

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

2204217 HWJ

# ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4\_220428B

Sample ID: LCS-105011	Batch ID:	105011		TestN	o: <b>E2</b>	8.00		Units:	μg/L	•7
SampType: LCS	Run ID:	ICP-MS	4_220428B	Analy	sis Date: 4/2	8/2022 11:1:	2:00 AM	Prep Date	e: 4/25	/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD	RPDLimit Qua
Selenium		203	2.00	200.0	0	101	85	115		
Silver		201	0.500	200.0	0	101	85	115		
Thallium		197	0.500	200.0	0	98.4	85	115		
Zinc		210	5.00	200.0	0	105	85	115		
Sample ID: LCSD-105011	Batch ID:	105011		TestN	o: <b>E2</b> 0	00.8		Units:	μg/L	
SampType: LCSD	Run ID:	ICP-MS	4_220428B	Analys	sis Date: 4/2	8/2022 11:14	4:00 AM	Prep Date	: 4/25	/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD	RPDLimit Qual
Aluminum		212	2.50	200.0	0	106	85	115	0.811	15
Antimony		198	2.50	200.0	0	99.2	85	115	0.989	15
Arsenic		198	0.500	200.0	0	99.1	85	115	2.80	15
Barium		197	3.00	200.0	0	98.6	85	115	1.03	15
Beryllium		201	0.500	200.0	0	100	85	115	2.75	15
Boron		196	30.0	200.0	0	98.1	85	115	0.383	15
Cadmium		200	1.00	200.0	0	99.8	85	115	1.45	15
Chromium		204	3.00	200.0	0	102	85	115	2.02	15
Copper		191	2.00	200.0	0	95.6	85	115	3.32	15
Iron		200	7.00	200.0	0	100	85	115	3.21	15
Lead		192	0.500	200.0	0	95.8	85	115	1.49	15
Magnesium		5190	100	5000	0	104	85	115	0.987	15
Manganese		206	0.500	200.0	0	103	85	115	1.02	15
Molybdenum		196	1.00	200.0	0	97.9	85	115	1.65	15
Nickel		201	2.00	200.0	0	101	85	115	3.72	15
Selenium		200	2.00	200.0	0	99.9	85	115	1.37	15
Silver		199	0.500	200.0	0	99.6	85	115	1.04	15
Thallium		192	0.500	200.0	0	96.0	85	115	2.47	15
Zinc		203	5.00	200.0	0	101	85	115	3.66	15
Sample ID: 2204110-05A MS	Batch ID:	105011		TestNo	: E20	0.8		Units:	μg/L	
SampType: <b>MS</b>	Run ID:	ICP-MS4	_220428B	Analysi	s Date: 4/28	/2022 11:28	:00 AM	Prep Date:	4/25/2	2022
Analyte	F	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD F	RPDLimit Qual
Aluminum	_	246	2.50	200.0	35.33	105	70	130		

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	ш	я	ı	1	T	1	r	r	5

Antimony

Arsenic

Barium

Boron

Beryllium

Cadmium

Chromium

B Analyte detected in the associated Method Blank

204

212

262

202

478

202

208

2.50

0.500

3.00

0.500

30.0

1.00

3.00

- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL
- DF Dilution Factor
- MDL Method Detection Limit

0

0.6360

53.70

0

283.0

0

0

R RPD outside accepted control limits

70

70

70

70

70

70

70

130

130

130

130

130

130

130

102

106

104

101

97.5

101

104

- S Spike Recovery outside control limits
- N Parameter not NELAP certified

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200.0

200.0

200.0

200.0

200.0

200.0

200.0

Project:

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

HWJ

ANALYTICAL QC SUMMARY REPORT

RunID:

ICP-MS4\_220428B

Sample ID: 2204110-05A MS SampType: MS	REST PROPERTY OF THE PARTY OF T	05011 CP-MS4_220428B	Test Anal		200.8 28/2022 11:2	8:00 AM	Units: Prep Date	µg/L e: 4/25/2022
Analyte	Res	sult RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLimit Qual
Copper	20	00 2.00	200.0	5.022	97.5	70	130	
Iron	24	7.00	200.0	50.10	98.3	70	130	
Lead	21	1 0.500	200.0	0.4490	105	70	130	
Magnesium	161	00 100	5000	10870	104	70	130	
Manganese	21	9 0.500	200.0	12.68	103	70	130	
Molybdenum	20	5 1.00	200.0	2.080	101	70	130	
Nickel	20	9 2.00	200.0	2.370	103	70	130	
Selenium	21	1 2.00	200.0	0	105	70	130	
Silver	19	6 0.500	200.0	0	97.9	70	130	
Thallium	21	4 0.500	200.0	0	107	70	130	
Zinc	26	6 5.00	200.0	60.35	103	70	130	

Qualifiers:

В Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

Analyte detected between SDL and RL

Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

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Project:

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

HWJ

# ANALYTICAL QC SUMMARY REPORT

RunID:

GCMS8\_220425A

Sample ID: LCS-104994-PCB	Batch ID:	104994		TestNo	: E62	5.1		Units:	μg/L
SampType: LCS	Run ID:	GCMS	3_220425A	Analys	is Date: 4/25	/2022 11:2	2:00 AM	Prep Date:	4/22/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %	6RPD RPDLimit Qua
Aroclor 1016		2.73	0.200	4.000	0	68.2	37	130	
Aroclor 1260		3.21	0.200	4.000	0	80.2	19	130	
Total PCBs		5.94	0.200	8.000	0	74.2	19	130	
Surr: 2-Fluorobiphenyl		2.54		4.000		63.4	43	116	
Surr: 4-Terphenyl-d14		3.08		4.000		77.1	33	141	
Sample ID: MB-104994	Batch ID:	104994		TestNo	: E62	5.1		Units:	μg/L
SampType: <b>MBLK</b>	Run ID: GCMS8_220425A		_220425A	Analysi	s Date: 4/25	/2022 11:52	2:00 AM	Prep Date:	4/22/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %	RPD RPDLimit Qual
Aroclor 1016		<0.100	0.200						
Aroclor 1221		0.100	0.200						
Aroclor 1232	*	0.100	0.200						
Aroclor 1242		0.100	0.200						
Aroclor 1248	<	0.100	0.200						
Aroclor 1254	<	0.100	0.200						
	<	0.100	0.200						
Aroclor 1260									
Aroclor 1260 Total PCBs	<	0.100	0.200						
		0.100 2.62	0.200	4.000		65.4	43	116	

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

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BYK Additives Inc. / BYK USA Inc.

Work Order: Project:

2204217

HWJ

ANALYTICAL QC SUMMARY REPORT

RunID:

GCMS9\_220426C

The OC date is betch 105004 -	nalias to the	following -	amales: 000	14247 0411			1	<del>-</del>	,20420C
The QC data in batch 105021 a			amples: 220					71.02	
Sample ID: LCS-105021	Batch ID:	200000000000000000000000000000000000000		TestNo	V ASS 750 1904			Units:	µg/L
SampType: LCS	Run ID:	GCMS9	_220426C	Analys	is Date: 4/26	5/2022 10:3	0:00 AM	Prep Date	4/25/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD RPDLimit Qu
Benzidine		21.1	50.0	40.00	0	52.8	5	125	
Benzo[a]anthracene		28.0	5.00	40.00	0	69.9	33	143	
Benzo[a]pyrene		27.4	5.00	40.00	0	68.6	17	163	
Chrysene		30.0	5.00	40.00	0	75.0	17	168	
2,4-Dimethylphenol		28.7	10.0	40.00	0	71.7	32	120	
4,6-Dinitro-o-cresol		45.2	10.0	40.00	0	113	10	181	
m,p-Cresols		27.4	10.0	40.00	0	68.6	10	125	
o-Cresol		26.5	10.0	40.00	0	66.2	25	125	
p-Chloro-m-Cresol		29.9	10.0	40.00	0	74.8	22	147	
Hexachlorobenzene		30.4	5.00	40.00	0	75.9	10	152	
Hexachlorobutadiene		23.4	10.0	40.00	0	58.4	24	120	
Hexachloroethane		25.0	20.0	40.00	0	62.4	40	120	
Nitrobenzene		31.7	10.0	40.00	0	79.4	35	180	
N-Nitrosodiethylamine		29.8	20.0	40.00	0	74.4	20	125	
N-Nitrosodi-n-butylamine		29.7	20.0	40.00	0	74.2	20	125	
Pentachlorobenzene		35.0	20.0	40.00	0	87.4	40	140	
Pentachlorophenol		31.6	5.00	40.00	0	79.1	14	176	
Phenanthrene		29.9	10.0	40.00	0	74.8	54	120	
Pyridine		13.6	20.0	40.00	0	34.1	. 10	75	
1,2,4,5-Tetrachlorobenzene		28.7	20.0	40.00	0	71.7	30	140	
2,4,5-Trichlorophenol		31.7	10.0	40.00	0	79.4	25	125	
Anthracene		28.8	10.0	40.00	0	72.0	27	133	
Bis(2-chloroethyl)ether		26.7	10.0	40.00	0	66.8	12	158	
Bis(2-ethylhexyl)phthalate		36.0	10.0	40.00	0	90.0	10	158	
3,3'-Dichlorobenzidine		31.2	5.00	40.00	0	78.0	10	262	
Di-n-butyl phthalate		32.5	10.0	40.00	0	81.4	10	120	
Hexachlorocyclopentadiene		17.2	10.0	40.00	0	42.9	8	130	
Surr: 2,4,6-Tribromophenol		60.0		80.00		75.0	10	123	
Surr: 2-Fluorobiphenyl		51.2		80.00		64.0	43	116	
Surr: 2-Fluorophenol	(40)	46.2		80.00		57.8	21	100	
Surr: 4-Terphenyl-d14		50.6		80.00		63.3	33	141	
Surr: Nitrobenzene-d5		59.6		80.00		74.5	35	115	
Surr: Phenol-d5		34.2		80.00		42.8	10	94	
Sample ID: MB-105021	Batch ID:	105021		TestNo:	E625	5.1		Units:	μg/L
SampType: MBLK	Run ID:	GCMS9_	220426C	Analysis	Date: 4/26/	2022 12:01	:00 PM	Prep Date:	4/25/2022
Analyte .	F	Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RPDLimit Qua
Benzidine		<5.00	50.0						

Qualifiers:

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N Parameter not NELAP certified

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

Project:

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

2204217 HWJ

# ANALYTICAL QC SUMMARY REPORT

RunID:

GCMS9\_220426C

Sample ID: MB-105021	Batch ID:	105021		TestNo	: <b>E6</b> :	25.1		Units:	μg/L	
SampType: MBLK	Run ID:	GCMS9	_220426C	Analys	is Date: 4/2	6/2022 12:0	1:00 PM	Prep Dat	e: 4/25/2022	
Analyte	R	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLin	nit Qual
Benzo[a]pyrene	<	2.00	5.00							
Chrysene	<	2.00	5.00							
2,4-Dimethylphenol	<	2.00	10.0							
4,6-Dinitro-o-cresol	<	2.00	10.0							
m,p-Cresols	<	2.00	10.0							
o-Cresol	<	2.00	10.0							
p-Chloro-m-Cresol	<	2.00	10.0							
Hexachlorobenzene	<	2.00	5.00							
Hexachlorobutadiene	<	2.00	10.0							
Hexachloroethane	<	2.00	20.0							
Nitrobenzene	<	2.00	10.0							
N-Nitrosodiethylamine	<	2.00	20.0							
N-Nitrosodi-n-butylamine	<	2.00	20.0							
Pentachlorobenzene	<	2.00	20.0							
Pentachlorophenol	<	2.00	5.00							
Phenanthrene	<	2.00	10.0							
Pyridine	<	4.00	20.0							
1,2,4,5-Tetrachlorobenzene	<	2.00	20.0							
2,4,5-Trichlorophenol	<	2.00	10.0							
Anthracene	<	2.00	10.0							
Bis(2-chloroethyl)ether	<;	2.00	10.0							
Bis(2-ethylhexyl)phthalate	<:	2.00	10.0							
3,3'-Dichlorobenzidine	<	2.00	5.00							
Di-n-butyl phthalate	<4	4.00	10.0							
Hexachlorocyclopentadiene	<2	2.00	10.0							
Surr: 2,4,6-Tribromophenol	5	2.6		80.00		65.8	10	123		
Surr: 2-Fluorobiphenyl	4	8.8		80.00		61.0	43	116		
Surr: 2-Fluorophenol	4	0.4		80.00		50.5	21	100		
Surr: 4-Terphenyl-d14	4	9.6		80.00		62.0	33	141		
Surr: Nitrobenzene-d5	5	6.0		80.00		70.0	35	115		
Surr: Phenol-d5		6.0		80.00		32.5	10	94		
Sample ID: <b>2204200-01AMS</b>	Batch ID: 1	105021		TestNo:	E62	5.1		Units:	μg/L	
La Tana		and the same of th								

Sample ID: 2204200-01AMS SampType: MS	Batch ID: Run ID:	105021 GCMS9	_220426C	TestNo Analys	: <b>E62</b> is Date: <b>4/2</b> 6		00 PM	Units: Prep Date	μg/L : 4/25/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLimit Qual
Benzidine		71.1	466	373.1	0	19.1	5	125	
Benzo[a]anthracene		336	46.6	373.1	0	90.1	33	143	
Benzo[a]pyrene		318	46.6	373.1	0	85.2	17	163	
Chrysene		350	46.6	373.1	0	93.9	17	168	
2,4-Dimethylphenol		346	93.3	373.1	0	92.8	32	120	

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

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BYK Additives Inc. / BYK USA Inc.

Work Order: Project:

2204217

HWJ

RunID:

ANALYTICAL QC SUMMARY REPORT

GCMS9\_220426C

Sample ID: 2204200-01AMS SampType: MS	Batch ID: 105021 Run ID: GCMS9	_220426C	TestNo	is Date: 4/26		00 PM	Units: Prep Date:	μg/L 4/25/2022
Analyte	Result	RL	SPK value	Ref Val	%REC			%RPD RPDLimit Qual
4.6-Dinitro-o-cresol	517	93.3	373.1	0	138	10	181	
m,p-Cresols	315	93.3	373.1	0	84.4	10	125	
o-Cresol	308	93.3	373.1	0	82.7	25	125	
p-Chloro-m-Cresol	341	93.3	373.1	0	91.4	22	147	
Hexachlorobenzene	361	46.6	373.1	0	96.7	10	152	
Hexachlorobutadiene	325	93.3	373.1	0	87.0	24	120	
Hexachloroethane	338	187	373.1	0	90.6	40	120	
Nitrobenzene	386	93.3	373.1	0	104	35	180	
N-Nitrosodiethylamine	387	187	373.1	0	104	20	125	
N-Nitrosodi-n-butylamine	370	187	373.1	0	99.0	20	125	
Pentachlorobenzene	406	187	373.1	0	109	40	140	
Pentachlorophenol	377	46.6	373.1	0	101	14	176	
Phenanthrene	356	93.3	373.1	0	95.4	54	120	
Pyridine	176	187	373.1	0	47.3	10	75	
1,2,4,5-Tetrachlorobenzene	353	187	373.1	0	94.5	30	140	
2,4,5-Trichlorophenol	375	93.3	373.1	0	101	25	125	
Anthracene	340	93.3	373.1	0	91.1	27	133	
Bis(2-chloroethyl)ether	325	93.3	373.1	0	87.2	12	158	
Bis(2-ethylhexyl)phthalate	432	93.3	373.1	0	116	10	158	
3,3'-Dichlorobenzidine	263	46.6	373.1	0	70.6	10	262	
Di-n-butyl phthalate	395	93.3	373.1	0	106	10	120	
Hexachlorocyclopentadiene	257	93.3	373.1	0	68.8	8	130	
Surr: 2,4,6-Tribromophenol	666		746.3		89.2	10	123	
Surr: 2-Fluorobiphenyl	632		746.3		84.8	43	116	
Surr: 2-Fluorophenol	549		746.3		73.5	21	100	
Surr: 4-Terphenyl-d14	584		746.3		78.3	33	141	
Surr: Nitrobenzene-d5	718		746.3		96.2	35	115	
Surr: Phenol-d5	388		746.3		52.0	10	94	

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×	**	•	•••	••	~		

Analyte detected in the associated Method Blank В

Analyte detected between MDL and RL J

ND Not Detected at the Method Detection Limit

RL Reporting Limit

Analyte detected between SDL and RL

Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits

Spike Recovery outside control limits S

Parameter not NELAP certified

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Project:

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

HWJ

ANALYTICAL QC SUMMARY REPORT

RunID:

GCMS9 220426D

The QC data in batch 105021 a	pplies to the	following s	samples: 220	04217-01H				_		
Sample ID: LCS-105021-NP SampType: LCS	Batch ID: Run ID:	105021 GCMS9	_220426D	TestNo Analysi		)65-11 6/2022 11:38	3:00 AM	Units: Prep Date	μg/L : 4/25/2022	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLimi	t Qua
Nonylphenol		602	100	1000	0	60.2	40	140		N
Sample ID: MB-105021 SampType: MBLK	Batch ID: Run ID:	105021 GCMS9	_220426D	TestNo Analysi	7.1.3	65-11 6/2022 12:01	:00 PM	Units: Prep Date:	μg/L : 4/25/2022	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLimit	Qual
Nonylphenol		<70.0	100							N

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

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Project:

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

HWJ

ANALYTICAL QC SUMMARY REPORT

RunID:

GCMS9\_220510E

Sample ID: LCS-105252-NP	Batch ID:	105021		TestNo:	D70	65-11		Units:	μg/L	
SampType: <b>LCS</b>	Run ID:	GCMS9	_220510E	Analysis	Date: 5/10	/2022 4:54:	00 PM	Prep Date:	5/10/2022	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLimit	Qual
Bisphenol A (BPA)		1.98	2.00	2.000	0	99.0	40	140		N
Sample ID: MB-105021	Batch ID:	105021		TestNo:	D70	65-11		Units:	μg/L	
SampType: MBLK	Run ID:	GCMS9	_220510E	Analysis	Date: 5/10	/2022 5:16:	00 PM	Prep Date:	4/25/2022	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit '	%RPD RPDLimit	Qual
Bisphenol A (BPA)	· ·	<1.00	2.00							N

Qualifiers:

В Analyte detected in the associated Method Blank

Analyte detected between MDL and RL J

ND Not Detected at the Method Detection Limit

RL Reporting Limit

Analyte detected between SDL and RL

Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits

S Spike Recovery outside control limits

Parameter not NELAP certified

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BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project: HWJ ANALYTICAL QC SUMMARY REPORT

RunID:

WC\_220503A

The QC data in batch 105146	applies to the	following s	amples: 22	04217-01J						
Sample ID: MB-105146	Batch ID:	105146		TestNo	o: E16	64A		Units:	mg/L	
SampType: MBLK	Run ID:	WC_220	503A	Analys	is Date: 5/3/	2022 2:33:0	00 PM	Prep Date	5/3/202	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD RI	PDLimit Qua
Oil & Grease	*	<1.42	5.07							
Sample ID: LCS-105146	Batch ID:	105146		TestNo	): E16	64A		Units:	mg/L	
SampType: LCS	Run ID:	WC_220	503A	Analys	is Date: <b>5/3</b> /2	2022 2:33:0	0 PM	Prep Date:	5/3/202	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD R	PDLimit Qua
Oil & Grease		35.1	5.13	41.03	0	85.5	78	114		
Sample ID: LCSD-105146	Batch ID:	105146		TestNo	: E16	64A		Units:	mg/L	
SampType: <b>LCSD</b>	Run ID:	WC_220	503A	Analys	is Date: 5/3/2	2022 2:33:0	0 PM	Prep Date:	5/3/202	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit Qual
Oil & Grease		36.2	5.07	40.57	0	89.2	78	114	3.18	18

Qualifiers:

Analyte detected in the associated Method Blank В

Analyte detected between MDL and RL J

ND Not Detected at the Method Detection Limit

Reporting Limit RL

Analyte detected between SDL and RL

Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits

Spike Recovery outside control limits

Parameter not NELAP certified

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BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project: HWJ

### ANALYTICAL QC SUMMARY REPORT

RunID:

GCMS5 220422B

Sample ID: LCS-104988	Batch ID:	104988		TestNo	o: <b>E62</b>	4.1		Units:	μg/L	
SampType: <b>LCS</b>	Run ID:	GCMS	5_220422B	Analys	sis Date: 4/22	2/2022 1:34	:00 PM	Prep Date:	4/22/20	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD R	DLimit Qua
Benzene		24.9	10.0	23.20	0	108	65	135		
Carbon tetrachloride		21.7	2.00	23.20	0	93.6	70	130		
Chlorobenzene		24.5	10.0	23.20	0	106	35	135		
Chloroform		24.8	2.00	23.20	0	107	70	135		
Chlorodibromomethane		25.2	5.00	23.20	0	109	70	135		
1,2-Dibromoethane		24.0	2.00	23.20	0	103	60	140		
1,2-Dichloroethane		24.4	5.00	23.20	0	105	70	130		
1,1-Dichloroethene		21.7	5.00	23.20	0	93.4	50	150		
Methyl ethyl ketone		118	50.0	116.0	0	101	60	140		
Tetrachloroethene		24.6	10.0	23.20	0	106	70	130		
Trichloroethene		22.3	5.00	23.20	0	96.0	65	135		
1,1,1-Trichloroethane		23.2	10.0	23.20	0	99.8	70	130		
TTHM (Total Trihalomethanes)		98.4	10.0	92.80	0	106	60	140		
Vinyl chloride		28.5	10.0	23.20	0	123	5	195		
Acrolein		62.1	50.0	58.00	0	107	60	140		
Acrylonitrile		44.9	50.0	46.40	0	96.7	60	140		
1,1,2,2-Tetrachloroethane		25.8	10.0	23.20	0	111	60	140		
Bromoform		23.3	10.0	23.20	0	101	65	135		
Bromodichloromethane		25.1	5.00	23.20	0	108	65	135		
1,2-Dichloropropane		26.6	10.0	23.20	0	114	35	165		
1,3-Dichloropropene (cis)		24.1	10.0	23.20	0	104	25	175		
1,3-Dichloropropene (trans)		23.6	10.0	23.20	0	102	50	150		
Ethylbenzene		24.6	10.0	23.20	0	106	60	140		
Methylene chloride (DCM)		24.0	5.00	23.20	0	103	60	140		
Foluene		23.7	10.0	23.20	0	102	70	130		
		23.4		23.20	0	101	70	130		
1,1,2-Trichloroethane			10.0		0		65	135		
,2-Dichlorobenzene		25.2	5.00	23.20		109				
,3-Dichlorobenzene		24.7	5.00	23.20	0	107	70	130		
,4-Dichlorobenzene		25.1	5.00	23.20	0	108	65	135		
Surr: 1,2-Dichloroethane-d4		213		200.0		106	72	119		
Surr: 4-Bromofluorobenzene		190		200.0		95.0	76	119		
Surr: Dibromofluoromethane		196		200.0		97.8	85	115		
Surr: Toluene-d8		207		200.0		104	81	120		
sample ID: LCSD-104988	Batch ID:	104988		TestNo	E624	.1		Units:	μg/L	
ampType: LCSD	Run ID:	GCMS5	_220422B	Analysis	s Date: 4/22/	2022 2:00:0	00 PM	Prep Date:	4/22/202	2
nalyte	1	Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RPI	DLimit Qua
enzene		25.8	10.0	23.20	0	111	65	135	3.26	20
		20000 67	2 232	22 22	72	5272 (27)		10/5757	12 202	12/27

Qualifiers:

Carbon tetrachloride

В Analyte detected in the associated Method Blank

23.0

2.00

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

0

RPD outside accepted control limits

99.2

70

130

5.88

20

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S Spike Recovery outside control limits

Parameter not NELAP certified N

23.20

Project:

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

HWJ

ANALYTICAL QC SUMMARY REPORT

RunID:

GCMS5\_220422B

Sample ID: LCSD-104988	Batch ID:	104988		TestN	o: <b>E62</b>	4.1		Units:	μg/L		
SampType: LCSD	Run ID:	GCMS	5_220422B	Analys	sis Date: 4/22	2/2022 2:00	:00 PM	Prep Date:	4/22	/2022	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit 9	6RPD	RPDLimit	Qual
Chlorobenzene		25.9	10.0	23.20	0	112	35	135	5.50	20	
Chloroform		26.4	2.00	23.20	0	114	70	135	6.45	20	
Chlorodibromomethane		26.5	5.00	23.20	0	114	70	135	4.97	20	
1,2-Dibromoethane		26.2	2.00	23.20	0	113	60	140	8.70	20	
1,2-Dichloroethane		25.6	5.00	23.20	0	110	70	130	4.69	20	
1,1-Dichloroethene		23.1	5.00	23.20	0	99.4	50	150	6.25	20	
Methyl ethyl ketone		134	50.0	116.0	0	116	60	140	13.3	20	
Tetrachloroethene		25.7	10.0	23.20	0	111	70	130	4.30	20	
Trichloroethene		23.1	5.00	23.20	0	99.6	65	135	3.75	20	
1,1,1-Trichloroethane		24.2	10.0	23.20	0	104	70	130	4.33	20	
TTHM (Total Trihalomethanes)		104	10.0	92.80	0	113	60	140	5.93	20	
Vinyl chloride		20.1	10.0	23.20	0	86.6	5	195	34.5	20	R
Acrolein		75.9	50.0	58.00	0	131	60	140	20.0	20	
Acrylonitrile		50.4	50.0	46.40	0	109	60	140	11.7	20	
1,1,2,2-Tetrachloroethane		28.0	10.0	23.20	0	121	60	140	8.15	20	
Bromoform		25.6	10.0	23.20	0	110	65	135	9.21	20	
Bromodichloromethane		25.9	5.00	23.20	0	112	65	135	3.23	20	
1,2-Dichloropropane		28.2	10.0	23.20	0	122	35	165	6.18	20	
1,3-Dichloropropene (cis)		25.3	10.0	23.20	0	109	25	175	4.96	20	
1,3-Dichloropropene (trans)		24.6	10.0	23.20	0	106	50	150	4.07	20	
Ethylbenzene		26.7	10.0	23.20	0	115	60	140	7.92	20	
Methylene chloride (DCM)		25.0	5.00	23.20	0	108	60	140	4.02	20	
Toluene		25.2	10.0	23.20	0	109	70	130	5.92	20	
1,1,2-Trichloroethane		24.4	10.0	23.20	0	105	70	130	4.44	20	
1,2-Dichlorobenzene		26.6	5.00	23.20	0	114	65	135	5.11	20	
1,3-Dichlorobenzene		26.3	5.00	23.20	0	113	70	130	6.06	20	
1,4-Dichlorobenzene		26.5	5.00	23.20	0	114	65	135	5.11	20	
Surr: 1,2-Dichloroethane-d4		210		200.0		105	72	119	0	0	
Surr: 4-Bromofluorobenzene		190		200.0		95.1	76	119	0	0	
Surr: Dibromofluoromethane		195		200.0		97.6	85	115	0	0	
Surr: Toluene-d8		207		200.0		103	81	120	0	0	
Sample ID: MB-104988	Batch ID:	104988		TestNo	: E624	.1		Units:	μg/L		
SampType: MBLK	Run ID:	GCMS5	_220422B	Analysi	s Date: 4/22/	2022 2:52:	00 PM	Prep Date:	4/22/2	2022	
Analyte	F	Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD F	RPDLimit (	Qual
Benzene		<1.00	10.0								
Carbon tetrachloride		<1.00	2.00								
Chlorobenzene		<1.00	10.0								
Chloroform		<1.00	2.00								
Chlorodibromomethane		1.00	5.00								

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

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S Spike Recovery outside control limits

N Parameter not NELAP certified

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project: HWJ

### ANALYTICAL QC SUMMARY REPORT

RunID:

GCMS5\_220422B

Sample ID: MB-104988	Batch ID:	104988		TestNo	D: E624	4.1		Units:	μg/L
SampType: MBLK	Run ID:	GCMS5_	220422B	Analys	is Date: 4/22	/2022 2:52:	00 PM	Prep Date:	4/22/2022
Analyte	Re	esult	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RPDLimit Qual
1,2-Dibromoethane	<	1.00	2.00						
1,2-Dichloroethane	<1	1.00	5.00						
1,1-Dichloroethene	<1	1.00	5.00						
Methyl ethyl ketone	<1	15.0	50.0						
Tetrachloroethene	<2	2.00	10.0						
Trichloroethene	<1	.00	5.00						
1,1,1-Trichloroethane	<1	.00	10.0						
TTHM (Total Trihalomethanes)	<5	5.00	10.0						
Vinyl chloride	<1	.00	10.0						
Acrolein	<5	5.00	50.0						
Acrylonitrile	<3	3.00	50.0						
1,1,2,2-Tetrachloroethane	<1	.00	10.0						
Bromoform	<1	.00	10.0						
Bromodichloromethane	<1	.00	5.00						
1,2-Dichloropropane	<1	.00	10.0						
1,3-Dichloropropene (cis)	<1	.00	10.0						
1,3-Dichloropropene (trans)	<1	.00	10.0						
Ethylbenzene	<1	.00	10.0						
Methylene chloride (DCM)	<2	.50	5.00						
Toluene	<2	.00	10.0						
1,1,2-Trichloroethane	<1	.00	10.0						
1,2-Dichlorobenzene	<1	.00	5.00						
1,3-Dichlorobenzene	<1	.00	5.00						
1,4-Dichlorobenzene	<1.	.00	5.00						
Surr: 1,2-Dichloroethane-d4	21	13		200.0		107	72	119	
Surr: 4-Bromofluorobenzene	19	93		200.0		96.6	76	119	
Surr: Dibromofluoromethane	19	92		200.0		96.2	85	115	
Surr: Toluene-d8	20	08		200.0		104	81	120	

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

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BYK Additives Inc. / BYK USA Inc.

Work Order: Project: 2204217

HWJ

### ANALYTICAL QC SUMMARY REPORT

RunID:

IC4\_220422A

Troject.							υ.			
The QC data in batch 105000	applies to the	following s	amples: 22	04217-01F						
Sample ID: MB-105000	Batch ID:	105000		TestN	o: <b>E3</b> 0	00		Units:	mg/L	
SampType: MBLK	Run ID:	IC4_220	422A	Analys	sis Date: 4/22	2/2022 4:49	:20 PM	Prep Date	4/22/	2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD	RPDLimit Qu
Bromide		<0.300	1.00							
Chloride		<0.300	1.00							
Fluoride		<0.100	0.400							
Nitrate-N		<0.100	0.500							
Sulfate		<1.00	3.00							
Nitrate+Nitrite-N		<0.100	0.500							
Sample ID: LCS-105000	Batch ID:	105000		TestNo	p: <b>E30</b>	0		Units:	mg/L	
SampType: LCS	Run ID:	IC4_220	422A	Analys	is Date: 4/22	2/2022 5:08	20 PM	Prep Date:	4/22/	2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD I	RPDLimit Qu
Bromide		18.6	1.00	20.00	0	92.8	90	110		
Chloride		9.16	1.00	10.00	0	91.6	90	110		
Fluoride		3.81	0.400	4.000	0	95.4	90	110		
Nitrate-N		4.85	0.500	5.000	0	97.0	90	110		
Sulfate		30.2	3.00	30.00	0	101	90	110		
Nitrate+Nitrite-N		9.61	0.500	10.00	0	96.1	90	110		
Sample ID: LCSD-105000	Batch ID:	105000		TestNo	: E30	0		Units:	mg/L	
SampType: LCSD	Run ID:	IC4_2204	122A	Analys	is Date: 4/22	/2022 5:27:	20 PM	Prep Date:	4/22/2	2022
Analyte	j	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit <sup>9</sup>	%RPD F	RPDLimit Qua
Bromide		18.6	1.00	20.00	0	92.8	90	110	0.027	20
Chloride		9.17	1.00	10.00	0	91.7	90	110	0.143	20
Fluoride		3.81	0.400	4.000	0	95.4	90	110	0.005	20
Nitrate-N		4.85	0.500	5.000	0	97.0	90	110	0.093	20
Sulfate		30.1	3.00	30.00	0	100	90	110	0.141	20
Nitrate+Nitrite-N		9.62	0.500	10.00	0	96.2	90	110	0.142	20
Sample ID: 2204217-01FMS	Batch ID:	105000		TestNo	: E300	)		Units:	mg/L	
SampType: <b>MS</b>	Run ID:	IC4_2204	22A	Analysi	s Date: 4/22/	2022 6:05:	20 PM	Prep Date:	4/22/2	022
Analyte	F	Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD R	PDLimit Qua
Bromide		1880	RL 100	SPK value 2000	0	94.0	LowLimi 90	t HighLimit %	6RPD R	PDLimit Qua
Bromide			AC, (COPPINED)	100 mm	HMMS-W. CHORNIS	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	011110101111111111111111111111111111111		6RPD R	PDLimit Qua
S200.002.0 • A00-0		1880	100	2000	0	94.0	90	110	6RPD R	PDLimit Qu
Bromide Chloride		1880 2000	100 100	2000 2000	0 86.14	94.0 95.5	90 90	110 110	6RPD R	PDLimit Qu
Bromide Chloride Fluoride	,	1880 2000 1970	100 100 40.0	2000 2000 2000	0 86.14 0	94.0 95.5 98.3	90 90 90	110 110 110	6RPD R	PDLimit Qu

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

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S Spike Recovery outside control limits

N Parameter not NELAP certified

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project: HWJ

ANALYTICAL QC SUMMARY REPORT

RunID:

IC4\_220422A

Sample ID: 2204217-01FMSD	Batch ID: 105000		TestNo	E30	0		Units:	mg/l	L
SampType: <b>MSD</b>	Run ID: IC4_220	)422A	Analys	is Date: 4/22	/2022 6:24:	20 PM	Prep Date	: 4/22	/2022
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit Qual
Bromide	1880	100	2000	0	94.0	90	110	0.076	20
Chloride	1990	100	2000	86.14	95.3	90	110	0.208	20
Fluoride	1970	40.0	2000	0	98.5	90	110	0.140	20
Nitrate-N	453	50.0	451.6	0	100	90	110	0.162	20
Sulfate	2120	300	2000	0	106	90	110	0.075	20
Nitrate+Nitrite-N	2400	50.0	2452	0	97.9	90	110	0.120	20

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

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BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project: HWJ

### ANALYTICAL QC SUMMARY REPORT

RunID:

TITRATOR\_220426B

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							170			
The QC data in batch 105042 a	oplies to the	following san	nples: 220	4217-01F						
Sample ID: MB-105042	Batch ID:	105042		TestNo	: M23	320 B		Units:	mg/L	@ pH 4.49
SampType: <b>MBLK</b>	Run ID:	TITRATOR	Z_220426B	Analysi	s Date: 4/26	5/2022 11:38:	00 AM	Prep Date:	4/26/2	2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	t HighLimit 9	%RPD F	RPDLimit Qua
Alkalinity, Total (As CaCO3)		<20.0	20.0							
Sample ID: LCS-105042	Batch ID:	105042		TestNo	M23	320 B		Units:	mg/L	@ pH 4.5
SampType: LCS	Run ID:	TITRATOR	_220426B	Analysi	s Date: 4/26	6/2022 11:43:	00 AM	Prep Date:	4/26/2	2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit 9	6RPD F	RPDLimit Qua
Alkalinity, Total (As CaCO3)		51.1	20.0	50.00	0	102	74	129		
Sample ID: LCSD-105042	Batch ID:	105042		TestNo:	M23	20 B		Units:	mg/L	@ pH 4.48
SampType: LCSD	Run ID:	TITRATOR	_220426B	Analysis	s Date: 4/26	/2022 11:48:	00 AM	Prep Date:	4/26/2	022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %	6RPD R	PDLimit Qual
Alkalinity, Total (As CaCO3)		51.2	20.0	50.00	0	102	74	129	0.156	20
Sample ID: 2204235-01J-DUP	Batch ID:	105042		TestNo:	M23	20 B		Units:	mg/L (	@ pH 4.53
SampType: <b>DUP</b>	Run ID:	TITRATOR	_220426B	Analysis	Date: 4/26	/2022 2:07:0	0 PM	Prep Date:	4/26/2	022
Analyte	1	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %	6RPD R	PDLimit Qual
Alkalinity, Total (As CaCO3)		278	20.0	0	282.6				1.79	20

Qualifiers:

Analyte detected in the associated Method Blank В

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits

S Spike Recovery outside control limits

Parameter not NELAP certified N

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project: HWJ ANALYTICAL QC SUMMARY REPORT

RunID:

TOC\_220428A

								-		
The QC data in batch 105045	applies to the	following s	samples: 220	04217-01B						
Sample ID: MB-105045	Batch ID:	105045		TestNo	M5:	310C		Units:	mg/L	
SampType: MBLK	Run ID:	TOC_22	20428A	Analysi	s Date: 4/28	3/2022 11:1	0:00 AM	Prep Date	4/26/2022	
Analyte	na Providenta	Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLim	it Qua
Total Organic Carbon	9	<0.300	1.00							
Sample ID: LCS-105045	Batch ID:	105045		TestNo:	M53	310C		Units:	mg/L	
SampType: LCS	Run ID:	TOC_22	0428A	Analysis	Date: 4/28	3/2022 11:30	6:00 AM	Prep Date:	4/26/2022	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	t HighLimit	%RPD RPDLimi	it Qua
Total Organic Carbon		10.1	1.00	10.00	0	101	80	120		
Sample ID: LCSD-105045	Batch ID:	105045		TestNo:	M53	10C		Units:	mg/L	
SampType: LCSD	Run ID:	TOC_22	0428A	Analysis	Date: 4/28	/2022 12:02	2:00 PM	Prep Date:	4/26/2022	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	: HighLimit '	%RPD RPDLimi	t Qua
Total Organic Carbon		10.2	1.00	10.00	0	102	80	120	0.900 15	

Qualifiers:

Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit

Analyte detected between SDL and RL

Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits R

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Spike Recovery outside control limits

Parameter not NELAP certified

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project: HWJ

### ANALYTICAL QC SUMMARY REPORT

RunID:

UV/VIS\_2\_220422A

							3-60			
The QC data in batch 104992 a	pplies to the	following sar	mples: 220	4217-01D						
Sample ID: MB-104992	Batch ID:	104992		TestNo:	HAC	H 8000		Units:	mg/L	
SampType: MBLK	Run ID:	UV/VIS_2	_220422A	Analysis	Date: 4/22	/2022 11:48	:00 AM	Prep Date	e: 4/22/20	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RP	DLimit Qua
Chemical Oxygen Demand		<5.00	15.0							
Sample ID: LCS-104992	Batch ID:	104992		TestNo:	HAC	H 8000		Units:	mg/L	
SampType: LCS	Run ID:	UV/VIS_2	_220422A	Analysis	Date: 4/22	/2022 11:48	:00 AM	Prep Date	: 4/22/20	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RP	DLimit Qual
Chemical Oxygen Demand		96.5	15.0	100.0	0	96.5	85	115		
Sample ID: LCSD-104992	Batch ID:	104992		TestNo:	HAC	Н 8000		Units:	mg/L	
SampType: <b>LCSD</b>	Run ID:	UV/VIS_2	_220422A	Analysis	Date: 4/22/	2022 11:49	:00 AM	Prep Date	: 4/22/202	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	t HighLimit	%RPD RP	DLimit Qual
Chemical Oxygen Demand		96.0	15.0	100.0	0	96.0	85	115	0.561	20
Sample ID: 2204217-01DMS	Batch ID:	104992		TestNo:	HAC	H 8000		Units:	mg/L	
SampType: <b>MS</b>	Run ID:	UV/VIS_2_	220422A	Analysis	Date: 4/22/	2022 11:49	MA 00:	Prep Date	4/22/202	22
Analyte	27	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPI	DLimit Qual
Chemical Oxygen Demand		92.6	15.0	100.0	0	92.6	80	120		
Sample ID: 2204217-01DMSD	Batch ID:	104992		TestNo:	HACI	H 8000		Units:	mg/L	
SampType: MSD	Run ID:	UV/VIS_2_	220422A	Analysis	Date: <b>4/22/</b> 2	2022 11:50:	00 AM	Prep Date:	4/22/202	2
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPI	DLimit Qual
Chemical Oxygen Demand		93.7	15.0	100.0	0	93.7	80	120	1.17	20

Qualifiers:

Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R PD outside accepted control limits
 S Spike Recovery outside control limits

N Parameter not NELAP certified

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Project:

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

HWJ

### ANALYTICAL QC SUMMARY REPORT

RunID:

UV/VIS\_2\_220422C

The QC data in batch 104996	applies to the	following sa	mples: 2204	4217-01F						
Sample ID: MB-104996	Batch ID:	104996		TestNo:	МЗ	500-Cr B		Units:	μg/L	
SampType: MBLK	Run ID:	UV/VIS_2	_220422C	Analysis	Date: 4/2	2/2022 10:05	5:00 AM	Prep Date:	4/22/2022	2
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPD	Limit Qua
Hexavalent Chromium		<3.00	3.00							
Trivalent Chromium		<2.00	3.00							N
Sample ID: LCS-104996	Batch ID:	104996		TestNo:	МЗ	500-Cr B		Units:	μg/L	
SampType: <b>LCS</b>	Run ID:	UV/VIS_2	_220422C	Analysis	Date: 4/2:	2/2022 10:05	:00 AM	Prep Date:	4/22/2022	!
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	t HighLimit '	%RPD RPD	Limit Qual
Hexavalent Chromium		99.4	3.00	100.0	0	99.4	85	115		
Sample ID: LCSD-104996	Batch ID:	104996		TestNo:	M3	500-Cr B		Units:	μg/L	
SampType: <b>LCSD</b>	Run ID:	UV/VIS_2	_220422C	Analysis	Date: 4/22	2/2022 10:05	:00 AM	Prep Date:	4/22/2022	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit 9	%RPD RPDI	_imit Qual
Hexavalent Chromium		94.1	3.00	100.0	0	94.1	85	115	5.46	5

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

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R

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project: HWJ

### ANALYTICAL QC SUMMARY REPORT

RunID:

UV/VIS\_2\_220425A

									<del></del>
The QC data in batch 105014 ap	plies to the	e following sar	mples: 220	4217-01E					
Sample ID: MB-105014	Batch ID	105014		TestNo:	M450	00-CN E		Units:	mg/L
SampType: <b>MBLK</b>	Run ID:	UV/VIS_2	_220425A	Analysis	Date: 4/25/	2022 4:28:0	00 PM	Prep Date:	4/25/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit 9	%RPD RPDLimit Qua
Cyanide, Available		<0.0100	0.0200						
Cyanide, Total		<0.0100	0.0200						
Sample ID: LCS-105014	Batch ID	105014		TestNo:	M450	00-CN E		Units:	mg/L
SampType: LCS	Run ID:	UV/VIS_2	_220425A	Analysis	Date: 4/25/	2022 4:28:0	00 PM	Prep Date:	4/25/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %	%RPD RPDLimit Qua
Cyanide, Total		0.179	0.0200	0.2000	0	89.4	85	115	
Sample ID: 2204217-01EMS	Batch ID:	105014		TestNo:	M450	0-CN E		Units:	mg/L
SampType: <b>MS</b>	Run ID:	UV/VIS_2	220425A	Analysis	Date: <b>4/25</b> /2	2022 4:28:0	0 PM	Prep Date:	4/25/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %	6RPD RPDLimit Qua
Cyanide, Total		0.167	0.0200	0.2000	0	83.7	79	114	
Sample ID: 2204217-01EMSD	Batch ID:	105014		TestNo:	M450	0-CN E		Units:	mg/L
SampType: <b>MSD</b>	Run ID:	UV/VIS_2_	220425A	Analysis	Date: <b>4/25/</b> 2	2022 4:29:0	0 PM	Prep Date:	4/25/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %	6RPD RPDLimit Qual
Cyanide, Total		0.167	0.0200	0.2000	0	83.5	79	114	0.215 20

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

J Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

S Spike Recovery outside control limits

N Parameter not NELAP certified

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BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

### ANALYTICAL QC SUMMARY REPORT

Project: HWJ						RunI	D: 1	UV/VIS_2	_220429	DD
The QC data in batch 105096 a	pplies to the	following sa	amples: 220	4217-01D						
Sample ID: MB-105096	Batch ID:	105096		TestNo	: M4	500-P E		Units:	mg/L	
SampType: MBLK	Run ID:	UV/VIS_	2_220429D	Analys	is Date: 4/29	9/2022 2:48	:00 PM	Prep Date	4/29/20	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RF	DLimit Qual
Total Phosphorus (As P)		<0.0400	0.100				400-0452			
Sample ID: LCS-105096	Batch ID:	105096		TestNo	: M45	600-P E		Units:	mg/L	
SampType: LCS	Run ID:	UV/VIS_2	2_220429D	Analysi	s Date: 4/29	/2022 2:48:	00 PM	Prep Date:	4/29/20	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RF	DLimit Qual
Total Phosphorus (As P)		0.522	0.100	0.5000	0	104	80	120		
Sample ID: LCSD-105096	Batch ID:	105096		TestNo	: M45	00-P E		Units:	mg/L	
SampType: <b>LCSD</b>	Run ID:	UV/VIS_2	2_220429D	Analysi	s Date: 4/29	/2022 2:49:	00 PM	Prep Date:	4/29/20	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit '	%RPD RP	DLimit Qual
Total Phosphorus (As P)		0.536	0.100	0.5000	0	107	80	120	2.65	20
Sample ID: 2204198-04AMS	Batch ID:	105096		TestNo	M45	00-P E		Units:	mg/L	
SampType: <b>MS</b>	Run ID:	UV/VIS_2	_220429D	Analysi	s Date: <b>4/29</b>	/2022 2:52:	00 PM	Prep Date:	4/29/20:	22
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit 9	%RPD RP	DLimit Qual
Total Phosphorus (As P)		0.563	0.100	0.5000	0	113	80	120		
Sample ID: 2204198-04AMSD	Batch ID:	105096		TestNo:	M45	00-P E		Units:	mg/L	
SampType: <b>MSD</b>	Run ID:	UV/VIS_2	_220429D	Analysis	Date: 4/29/	/2022 2:53:0	00 PM	Prep Date:	4/29/202	22
Analyte	1	Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	%RPD RP	DLimit Qual
Total Phosphorus (As P)		0.568	0.100	0.5000	0	114	80	120	0.884	20

Qualifiers:

Analyte detected in the associated Method Blank В

J Analyte detected between MDL and RL

Not Detected at the Method Detection Limit

RL Reporting Limit

Analyte detected between SDL and RL

Dilution Factor DF

MDL Method Detection Limit

RPD outside accepted control limits

Spike Recovery outside control limits Parameter not NELAP certified N

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BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project:

HWJ

ANALYTICAL QC SUMMARY REPORT

RunID:

WC 220425A

Troject.						Kulli	D.	WC_22042	JA	
The QC data in batch 105013 a	pplies to the	following sa	amples: 22	04217-01D						
Sample ID: MB-105013	Batch ID:	105013		TestNo	): M45	500-NH3-D		Units:	mg/L	8
SampType: <b>MBLK</b>	Run ID:	WC_220	425A	Analys	is Date: 4/25	5/2022 2:00:	:00 PM	Prep Date:	4/25/	2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit 9	%RPD I	RPDLimit Qua
Ammonia-N (As N)	ę	<0.100	0.250							
Sample ID: LCS-105013	Batch ID:	105013		TestNo	: M45	500-NH3-D		Units:	mg/L	9
SampType: LCS	Run ID:	WC_2204	425A	Analysi	is Date: <b>4/25</b>	5/2022 2:00:	00 PM	Prep Date:	4/25/	2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit %	6RPD F	RPDLimit Qua
Ammonia-N (As N)		5.35	0.250	5.000	0	107	80	120		
Sample ID: LCSD-105013	Batch ID:	105013	-	TestNo	: M45	600-NH3-D		Units:	mg/L	
SampType: LCSD	Run ID:	WC_2204	125A	Analysi	s Date: 4/25	/2022 2:00:	00 PM	Prep Date:	4/25/2	2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD F	RPDLimit Qua
Ammonia-N (As N)		5.51	0.250	5.000	0	110	80	120	2.95	25
Sample ID: 2204217-01DMS	Batch ID:	105013		TestNo	M45	00-NH3-D		Units:	mg/L	
SampType: <b>MS</b>	Run ID:	WC_2204	25A	Analysis	s Date: <b>4/25</b>	/2022 2:00:	00 PM	Prep Date:	4/25/2	2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD F	RPDLimit Qua
Ammonia-N (As N)		5.14	0.250	5.000	0	103	80	120		
Sample ID: 2204217-01DMSD	Batch ID:	105013		TestNo:	M45	00-NH3-D		Units:	mg/L	
SampType: MSD	Run ID:	WC_2204	25A	Analysis	s Date: 4/25/	/2022 2:00:0	00 PM	Prep Date:	4/25/2	022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	RPD R	PDLimit Qual
Ammonia-N (As N)		5.07	0.250	5.000	0	101	80	120	1.37	25

Qualifiers:

В Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

Analyte detected between SDL and RL

Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits

Spike Recovery outside control limits

Parameter not NELAP certified

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Project:

BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

HWJ

ANALYTICAL QC SUMMARY REPORT

RunID:

WC\_220425E

The QC data in batch 105026	applies to the	following s	amples: 220	04217-01G						
Sample ID: MB-105026 SampType: MBLK	Batch ID: Run ID:	105026 WC_220	)425E	TestNo: Analysi:		540D 5/2022 1:40:	:00 PM	Units: Prep Date:	mg/L 4/25/2	022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD F	PDLimit Qua
Suspended Solids (Residue, N	on-Filter	<2.50	2.50							
Sample ID: LCS-105026	Batch ID:	105026		TestNo:	M25	540D		Units:	mg/L	
SampType: <b>LCS</b>	Run ID:	WC_220	425E	Analysis	Date: 4/25	5/2022 1:40:	00 PM	Prep Date:	4/25/2	022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit <sup>9</sup>	%RPD R	PDLimit Qua
Suspended Solids (Residue, N	on-Filter	93.0	25.0	100.0	0	93.0	85	115		
Sample ID: LCSD-105026	Batch ID:	105026		TestNo:	M25	540D		Units:	mg/L	
SampType: LCSD	Run ID:	WC_220	425E	Analysis	Date: 4/25	i/2022 1:40:	00 PM	Prep Date:	4/25/2	022
Analyte	5	Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	%RPD R	PDLimit Qua
Suspended Solids (Residue, No	on-Filter	97.0	25.0	100.0	0	97.0	85	115	4.21	5

Qualifiers:

B Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

RL Reporting Limit

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

R RPD outside accepted control limits

Spike Recovery outside control limits

N Parameter not NELAP certified

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BYK Additives Inc. / BYK USA Inc.

Work Order:

2204217

Project: HWJ ANALYTICAL QC SUMMARY REPORT

RunID:

WC\_220425H

Sample ID: MB-105024	Batch ID:	105024		TestNo:	M2	540C		Units:	mg/L
SampType: MBLK	Run ID:	WC_2204	125H	Analysis	Date: 4/2	5/2022 4:25	:00 PM	Prep Date:	4/25/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qua
Total Dissolved Solids (Residue,	Filtera	<10.0	10.0						
Sample ID: LCS-105024	Batch ID:	105024		TestNo:	M25	540C		Units:	mg/L
SampType: <b>LCS</b>	Run ID:	WC_2204	125H	Analysis	Date: 4/25	5/2022 4:25:	00 PM	Prep Date:	4/25/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	t HighLimit %	6RPD RPDLimit Qua
Total Dissolved Solids (Residue,	Filtera	755	10.0	745.6	0	101	90	113	
Sample ID: 2204218-01D-DUP	Batch ID:	105024		TestNo:	M25	340C		Units:	mg/L
SampType: <b>DUP</b>	Run ID:	WC_2204	25H	Analysis	Date: 4/25	/2022 4:25:	00 PM	Prep Date:	4/25/2022
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	t HighLimit %	RPD RPDLimit Qua
Total Dissolved Solids (Residue,	Filtera	2500	50.0	0	2495				0.200 5

Qualifiers:

В Analyte detected in the associated Method Blank

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

Reporting Limit RL

Analyte detected between SDL and RL

DF Dilution Factor

MDL Method Detection Limit

RPD outside accepted control limits R

Page 24 of 24

Spike Recovery outside control limits N

Parameter not NELAP certified



10450 Stancliff Rd. Suite 210 Houston, TX 77099 T: +1 281 530 5656

F: +1 281 530 5887

April 28, 2022

John Dupont DHL Analytical 2300 Double Creek Drive Round Rock, TX 78664

Work Order: HS22041198

Laboratory Results for: 2204217

Dear John Dupont,

ALS Environmental received 1 sample(s) on Apr 22, 2022 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL

Dane J. Wacasey

Date:

28-Apr-22

Client:

**DHL** Analytical

Project:

2204217

Work Order:

HS22041198

SAMPLE SUMMARY

Lab Samp ID

Client Sample ID

Matrix

TagNo

**Collection Date** 

Date Received

Hold

HS22041198-01

HWJ

Aqueous

21-Apr-2022 10:40

22-Apr-2022 09:30

Date: 28-Apr-22

Client:

**DHL Analytical** 

**CASE NARRATIVE** 

Project:

2204217

Work Order: HS22041198

### GC Semivolatiles by Method SW8015

Batch ID: R407371

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

### GCMS Volatiles by Method SW8260

Batch ID: R407311

Sample ID: HS22041082-03MS

· MS and MSD are for an unrelated sample

### WetChemistry by Method M4500 NH3 D

Batch ID: 178162

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Date: 28-Apr-22

Client:

DHL Analytical

Project:

2204217

Sample ID:

HWJ

Collection Date:

21-Apr-2022 10:40

**ANALYTICAL REPORT** 

WorkOrder:HS22041198

Lab ID:HS22041198-01

Matrix: Aqueous

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZE	:D
VOLATILES - SW8260C		Method:S	SW8260				Analys	t: PC
Epichlorohydrin	U		3.5	20	ug/L	1	25-Apr-2022	17:23
Surr: 1,2-Dichloroethane-d4	112			70-126	%REC	1	25-Apr-2022	17:23
Surr: 4-Bromofluorobenzene	103			82-124	%REC	1	25-Apr-2022	17:23
Surr: Dibromofluoromethane	97.1			77-123	%REC	1	25-Apr-2022	17:23
Surr: Toluene-d8	109			82-127	%REC	1	25-Apr-2022	17:23
GLYCOLS AND ALCOHOLS BY SW8	015C	Method:S	W8015				Analyst	: PPM
Ethylene Glycol	U		0.33	1.0	mg/L	1	25-Арг-2022	15:39
TOTAL KJELDAHL NITROGEN BY SM4500 NH3 D-2011	N	lethod:M45	000 NH3 D		Prep:M4500-N	C / 27-Apr-2022	2 Analys	t: YP
Nitrogen, Total Kjeldahl	0.26	J	0.10	0.50	mg/L	1	28-Apr-2022	15:55

Weight / Prep Log

Client: DHL Analytical Project: 2204217
WorkOrder: HS22041198

Batch ID: 178162

Start Date: 27 Apr 2022 12:00

End Date: 27 Apr 2022 16:00

Method: TKN WATER - PREP

Prep Code: TKN\_W\_PR

 Sample ID
 Container
 Sample Wt/Vol Wt/Vol
 Final Volume
 Prep Factor

 HS22041198-01
 25 (mL)
 50 (mL)
 2 250 mL Amber, H2SO4 to pH <2</td>

Date: 28-Apr-22

Client:

DHL Analytical

Project:

2204217

WorkOrder:

HS22041198

DATES REPORT

Sample ID	Client San	np ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 178162	2(0)	Test Name	: TOTAL KJELDAHL NI	TROGEN BY SM4500	NH3 D-2011	Matrix: Aqueous	
HS22041198-01	HWJ		21 Apr 2022 10:40		27 Apr 2022 12:00	28 Apr 2022 15:55	1
Batch ID: R40731	11(0)	Test Name	: VOLATILES - SW8260	С		Matrix: Aqueous	
HS22041198-01	HWJ		21 Apr 2022 10:40			25 Apr 2022 17:23	1
Batch ID: R40737	71 (1)	Test Name	: GLYCOLS AND ALCO	HOLS BY SW8015C		Matrix: Aqueous	
HS22041198-01	HWJ		21 Apr 2022 10:40			25 Apr 2022 15:39	1

Client:

DHL Analytical

Project:

2204217

WorkOrder:

HS22041198

QC BATCH REPORT

MBLK	Sample ID:	MBLK-220425			Units:	mg/L	An	alysis Date:	25-Apr-2022	13:30
Client ID:			Run ID:	FID-17	_407371	SeqNo: 6	618773	PrepDate:		DF: 1
Analyte		Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
Ethylene Glycol		U	ii d	1.0						
LCS	Sample ID:	LCS-220425			Units:	mg/L	Ana	alysis Date:	25-Apr-2022	13:58
Client ID:			Run ID:	FID-17	_407371	SeqNo: 6	618774	PrepDate:		DF: 1
Analyte		Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
Ethylene Glycol		25.23		1.0	25	0	101	70 - 130		
LCSD	Sample ID:	LCSD-220425			Units:	mg/L	Ana	llysis Date:	25-Apr-2022	14:54
Client ID:			Run ID:	FID-17	_407371	SeqNo: 6	618775	PrepDate:		DF: 1
Analyte		Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
Ethylene Glycol		27.18		1.0	25	0	109	70 - 130	25.23	7.42 30

Surr: Dibromofluoromethane

Surr: Toluene-d8

Client:

DHL Analytical

Project: WorkOrder: 2204217 HS22041198 QC BATCH REPORT

Batch ID: R40731	1(0)	Ins	strumen	it: V	OA6	1	Method:	VOLATILES	- SW8260C	
MBLK	Sample ID:	VBLKW-220425			Units:	ug/L	An	alysis Date:	25-Apr-2022	2 12:07
Client ID:		İ	Run ID:	VOA6	_407311	SeqNo:	6617328	PrepDate:		DF: 1
Analyte		Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qu
Epichlorohydrin		U		20						
Surr: 1,2-Dichloroeth	ane-d4	55.36		0	50	0	111	70 - 130		
Surr: 4-Bromofluorob	penzene	51.85		0	50	0	104	82 - 115		
Surr: Dibromofluoron	nethane	49.15		0	50	0	98.3	73 - 126		
Surr: Toluene-d8		56.03		0	50	0	112	81 - 120		
LCS S	Sample ID:	VLCSW-220425			Units:	ug/L	An	alysis Date:	25-Apr-2022	11:25
Client ID:		F	Run ID:	VOA6	407311	SeqNo:	6617327	PrepDate:		DF: 1
Analyte		Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
Epichlorohydrin		92.97		20	100	0	93.0	60 - 132		
Surr: 1,2-Dichloroetha	ane-d4	57.9		0	50	0	116	70 - 130		
Surr: 4-Bromofluorob	enzene	51.55		0	50	0	103	82 - 115		
Surr: Dibromofluorom	nethane	50.32		0	50	0	101	73 - 126		
Surr: Toluene-d8		50.06		0	50	0	100	81 - 120		
MS S	Sample ID:	HS22041082-03M	s		Units:	ug/L	Ana	alysis Date:	25-Apr-2022	13:32
Client ID:		R	un ID:	VOA6_	407311	SeqNo: 6	617330	PrepDate:		DF: 1
Analyte		Result	ſ	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
Epichlorohydrin		54.57		20	100	0	54.6	60 - 132		
Surr: 1,2-Dichloroetha	ane-d4	55.34		0	50	0	111	70 - 126		
Surr: 4-Bromofluorobe	enzene	51.83		0	50	0	104	82 - 124		

48.81

54.82

0

0

50

50

0

0

97.6

110

77 - 123

82 - 127

Client:

DHL Analytical

Project:

2204217

WorkOrder:

HS22041198

QC BATCH REPORT

Batch ID: R407	7311 ( 0 )	Instrun	nent: \	/OA6	M	ethod: V	OLATILES -	- SW8260C		
MSD	Sample ID:	HS22041082-03MSD		Units:	ug/L	Ana	alysis Date:	25-Apr-2022	13:53	
Client ID:		Run I	D: VOA6	_407311	SeqNo: 6	617331	PrepDate:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RP %RPD Lin	
Epichlorohydrin		48.25	20	100	0	48.3	60 - 132	54.57	12.3	20
Surr: 1,2-Dichlord	pethane-d4	56.75	0	50	0	113	70 - 126	55.34	2.52	20
Surr: 4-Bromofluo	orobenzene	53.21	0	50	0	106	82 - 124	51.83	2.62	20
Surr: Dibromofluc	promethane	49.94	0	50	0	99.9	77 - 123	48.81	2.29	20
Surr: Toluene-d8		54.53	0	50	0	109	82 - 127	54.82	0.535 2	20

Client:

DHL Analytical

Project:

2204217

WorkOrder:

HS22041198

QC BATCH REPORT

Batch ID: 178	162 ( 0 )	Instrum	nent:	WetChem_HS	ı	neulou.	TOTAL KJE NH3 D-2011	LDAHL NITR	OGEN BY SM4500
MBLK	Sample ID:	MBLK-178162		Units:	mg/L	An	alysis Date:	28-Apr-202	2 15:55
Client ID:		Run I	D: Wet	Chem_HS_40757	71 SeqNo:	6623175	PrepDate:	27-Apr-2022	2 DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Nitrogen, Total F	Kjeldahl	U	0.50						
LCS	Sample ID:	LCS-178162		Units:	mg/L	An	alysis Date:	28-Apr-2022	2 15:55
Client ID:		Run II	D: Wet	Chem_HS_40757	1 SeqNo:	6623174	PrepDate:	27-Apr-2022	P. DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Nitrogen, Total K	(jeldahl	20.3	0.50	20	0	101	85 - 115		
MS	Sample ID:	HS22041219-01MS		Units:	mg/L	An	alysis Date:	28-Apr-2022	15:55
Client ID:		Run II	D: Wet	Chem_HS_40757	1 SeqNo:	6623172	PrepDate:	27-Apr-2022	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Nitrogen, Total K	jeldahl	24.67	0.50	20	7.352	86.6	75 - 125		
MSD	Sample ID:	HS22041219-01MSD		Units: I	ng/L	Ana	alysis Date:	28-Apr-2022	15:55
Client ID:		Run II	: Wet	Chem_HS_40757	1 SeqNo: 6	6623173	PrepDate:	27-Apr-2022	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Nitrogen, Total K	jeldahl	25.62	0.50	20	7.352	91.3	75 - 125	24.67	3.75 20
ne following samp	ples were analyze	d in this batch: HS220411	98-01						

Date: 28-Apr-22

**DHL Analytical** Client: QUALIFIERS, 2204217 Project: ACRONYMS, UNITS WorkOrder: HS22041198 Qualifier Description Value exceeds Regulatory Limit а Not accredited В Analyte detected in the associated Method Blank above the Reporting Limit Ε Value above quantitation range Н Analyzed outside of Holding Time Analyte detected below quantitation limit Manually integrated, see raw data for justification M Not offered for accreditation n ND Not Detected at the Reporting Limit 0 Sample amount is > 4 times amount spiked Ρ Dual Column results percent difference > 40% R RPD above laboratory control limit S Spike Recovery outside laboratory control limits U Analyzed but not detected above the MDL/SDL Description Acronym Detectability Check Study DCS DUP Method Duplicate LCS Laboratory Control Sample LCSD Laboratory Control Sample Duplicate Method Blank **MBLK** MDL Method Detection Limit MQL Method Quantitation Limit MS Matrix Spike MSD Matrix Spike Duplicate PDS Post Digestion Spike Practical Quantitaion Limit PQL SD Serial Dilution SDL Sample Detection Limit TRRP Texas Risk Reduction Program

Unit Reported Description
mg/L Milligrams per Liter

### **CERTIFICATIONS, ACCREDITATIONS & LICENSES**

Agency	Number	Expire Date
Florida	E87611-34	30-Jun-2022
Illinois	2000322021-7	09-May-2022
Kansas	E-10352 2021-2022	31-Jul-2022
Kentucky	123043, 2021-2022	30-Apr-2022
Louisiana	03087, 2021-2022	30-Jun-2022
Texas	T104704231-21-28	30-Apr-2022

ALS Houston	n, US				Date	: 28-Apr-22
Work Order ID: Client Name:	HS22041198 DHL		,	e/Time Received: eived by:	Sample Receipt 22-Apr-2022 09:30 Paresh M. Giga	
Completed By  Matrices:	eSignature  Water	23-Apr-2022 13:12 Date/Time	Reviewed by: /S	S/ Dane J. Wacasey eSignature : <u>UPS</u>	, 28-Apr-202: Date/Ti	
Custody seals in Custody seals in VOA/TX1005/T. Chain of custod Chain of custod Samplers name Chain of custod Samples in propagate in propagate contains Sufficient sample All samples received.	y signed when relinquished and or present on COC?  y agrees with sample labels?  per container/bottle?	led vials? received?	Yes V Yes V Yes V Yes V Yes V Yes V Yes V Yes V Yes V Yes V Yes V Yes V	No	Not Present Not Present Not Present Not Present V 1 Page(s)	
Temperature(s)/ Cooler(s)/Kit(s):	Thermometer(s):		2.6C/3.1C UC/C Blue		IR#	31
Date/Time samp Water - VOA via Water - pH acce pH adjusted? pH adjusted by:	ole(s) sent to storage: ils have zero headspace? optable upon receipt?		04/22/2022 19:00  Yes		O VOA vials submitted N/A N/A	
	All vials have headspace greater					
Client Contacted Contacted By: Comments:		Date Contacted: Regarding:		Person Conta	cted:	
Corrective Action	1:					

CHAIN-OF-CUSTODY RECORD

2300 Double Creek Drive Round Rock, TX 78664

TEL: (512) 388-8222

Work Order: 2204217

FAX:

Subcontractor:

ALS Laboratory Group Houston, Texas 77099 P.O. Box 975444

(281) 530-5656 TEL: FAX:

HS22041198

DHL Analytical 2204217

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21-Apr-22 Requested Tests ECH\*\* SW8260D Glycol\_W# SW8015B E351.2 TKN **Bottle Type** VOAHCL VOAU 04/21/22 10:40 AM 04/21/22 10:40 AM 04/21/22 10:40 AM Date Collected Acct #: BHL# 01K 01L 01M Aqueous Aqueous Aqueous Matrix Sample ID TW1 WH HWJ

50HDPEH2SO

\*Ethylene Glycol \* Epichlorohydrin

Please analyze these samples with a Standard Turnaround Time. Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please EMAIL report to both cac@dhlanalytical.com & dupont@dhlanalytical.com Call John DuPont if you have questions.

General Comments:

Relinquished by:

Relinquished by:

4/21/22 1800 Received by: Date/Time

4/22/2022. 209:30 Received by:

Date/Time

Page 14 of 15

Page 15 of 15

10+1 2N.22.h

THO

SE COCILATION SERVINE

SHIP TO:
SAMPLE RECEIVING
SAMPLE RECEIVING
281 530 5656
ALS LABORATORY GROUP
1045 NEXT DAY ALR

TRACKING F. 12 970 RAO 01 3895 3413

HOUSTON TX 77069

WAS 1704 OF 01

BILLING: PIP

THE CHILING: HOUSTON TX 77099

P:TGREEN S: 713D 1:24
713 - 1338
12970R40013895 3413 1030

Email information for report date:

4/29/22 12:36

F013666

## DHL Analytical

dupont@dhlanalytical.com Attn: John DuPont

2300 Double Creek Drive Round Rock, TX 78664

Austin Facility for more information or to set up samplingaustin@aqua-techlabs.com for the samplingbryan@aqua-techlabs.com for the 2021 Lead Copper Testing is underway! Call or email us today at **Bryan Facility or** an event.

Thank you for your business, Executive Technical Director June M. Brien

CORPORATE OFFICE

635 Phil Gramm Boulevard Phone: (979) 778-3707 Fax: (979) 778-3193



Phone: (512) 301-9559 3512 Montopolis Dr. Suite A **AUSTIN OFFICE** Austin, TX 78744 Fax: (512) 301-9552

The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

T104704371-21-24

## The following abbreviations indicate certification status:

TNI accredited parameter.

Accreditation not offered by the State of Texas. ANR

Approval through the TCEQ Drinking Water Commercial DWP

Laboratory Approval Program.

parameter. It is reported on an informational basis only Aqua-Tech Laboratories, Inc. is not accredited for this

R

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

## General Definitions:

Not Reported. N.

Relative Percent Difference. RPD

TCEQ DW Lab ID TX 239

Percent Recovery. %R

Results with the "dry" unit designation are reported on a "dry weight" basis. dry

SQL

The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL

includes all sample preparations, dilutions and / or concentrations.

The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations. Adj MDL

The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings MDL

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

and holding procedures Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - Required containers, preservation techniques, a times, unless otherwise noted in this report.

### Record Retention:

scheduled Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to disposal. An administrative fee for retrieval and distribution will apply. All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed.

This report was approved by:

June M. Brien, Technical Director

analytical report must be reproduced in its entirety unless written permission is granted by Aqua-Tech Laboratories, Inc. The results in this report apply only to the samples analyzed.

corp@aqua-techlabs.com

www.aqua-techlabs.com

				1
CORPORATE OFFICE	635 Phil Gramm Boulevard	Bryan, TX 77807	Phone: (979) 778-3707	Fax: (979) 778-3193

QUA-TECH LABORATORIES, INC.

AUSTIN OFFICE 3512 Montopolis Dr. Suite A Austin, TX 78744 Phone: (512) 301-9559 Fax: (512) 301-9552

**Analytical Report** 

4/29/22 Report Printed:

12:36

F013666

**DHL Analytical** 

Non Potable Matrix

C-O-C # F013666

Batch

Method

Analyzed

Lab

Adj MDL

MDL

Notes

Units

Result

Lab ID# F013666-01

DHL HWJ

General Chemistry BOD (5 day)

Type Grab SQL

Collected: 04/21/22 10:40 by CLIENT Received: 04/22/22 12:50 by Kelly Kukowski

M143536 M143532 SM5210 B 2016 SM5210 B 2016

> 04/22/22 07:25 HNJ 04/22/22 07:25 HNJ

Austin Austin

A-01, G-01

G-01

mg/L mg/L

5 A

Carbonaceous BOD (5 day)

NEL NEL

**Explanation of Notes** 

Duplicate not reported due to lab error. A-01

This sample was added to an analytical run already in progress. See the prep time for when this sample was added. G-01

				U	seneral Cl	General Chemistry - Quality Control	ıtrol							
	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source	%R	%R Limits	RPD	RPD	Batch	
BOD (5 day) - SM5210 B 2016	5210 B 2016													Austin
Diln Water Rik	<0.00	/wa/												incom.
	200	۱		_	-	04/22/22 07:25 HNJ		0.1		< or = 0.2  mg/L			2204231	
GGA	200	mg/L		-	-	04/22/22 07:25 HNJ	198		101	84.6 - 115.4			2204234	
GGA	221	mg/L		-	-	04/22/22 07:25 HNJ	198		112	846-1154			220453	
GGA	207	mg/L		-	-	04/22/22 07:25 HNJ	198		105	846 1154			220423	
GGA	225	mg/L		-	-	04/22/22 07:25 HN.I	198		3 5	476 - 110.4			2204231	
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Seed Blank	V	ma/L				04/02/02/02/04/1							2204231	
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	,	IIIg/L			-	04/22/22 07:25 HNJ							2204231	
Duplicate	7	mg/L		-	-	04/22/22 07:25 HNJ		-			26.8	35.9	M143536	
Carbonaceous BOD (5 day) - SM5210 B 2016	OD (5 day) - SI	M5210 B 2016												Austin
Oilo Motor Dil	00.01													Iment
OD Water DIK	20.20	mg/L		-	-	04/22/22 07:25 HNJ		0.1		< or = 0.2 mg/L			2204231	
GGA	200	mg/L		-	-	04/22/22 07:25 HNJ	198		101	84.6 - 115.4			2204234	
GGA	221	mg/L		-	-	04/22/22 07:25 HNJ	198		112	84 6 - 115 A			2007000	
GGA	207	mg/L		-	-	04/22/22 07:25 HNJ	198		1 50	110.1			2204231	
GGA	225	mg/L		,	<del>-</del>	04/22/22 07:25 HN I	108		3 7	4.0.1			2204231	
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Seed Blank	٧	ma/L		•	- +	CHIT 50: TO 52/22/40							2204231	
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seed blank	<u></u>	mg/L		-	-	04/22/22 07:25 HNJ							2204231	

QUA-TECH LABORATORIES, INC.

AUSTIN OFFICE 3512 Montopolis Dr. Suite A Austin, TX 78744 Phone: (512) 301-9559 Fax: (512) 301-9552

Analytical Report

Report Printed:

12:36

4/29/22

F013666

**DHL Analytical** 

		Sample Prep	Sample Preparation Summary	nary					External		
Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	Dilution	Batch	
F013666-01											
BOD (5 day) Carbonaceous BOD (5 day)	SM5210 B 2016 SM5210 B 2016	4/22/22 13:00 SR 4/22/22 13:00 HNJ	Austin	< ₪	300	뒽뒽	300	뒽뒽		M143536 M143532	

Page 3 of 4 F013666\_1 ATL 031822 FINB\_Is 04 29 22 1236

FORGER

## 

DHL Analytical, Inc. 2300 Double Creek Drive Round Rock, TX 78664

TEL: (512) 388-8222 Work Order: 2204217

FAX:

Subcontractor:

AquaTech (Austin Office) 3512 Montopolis Drive Austin, Texas 78744

(512) 301-9559

21-Apr-22

Acct #: TEL: FAX:

BHL# Matrix

Sample ID

M5210B C-BOD M5210 B BOD

**Bottle Type** 

Date Collected

1LHDPE 1LHDPE

04/21/22 10:40 AM 04/21/22 10:40 AM

010 010

Aqueous Aqueous

LWH LWH

Requested Tests

0.3/0.3 J 07/64430 4ds

Please analyze these samples with a Standard Turnaround Time. Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please EMAIL report to both cac@dhlanalytical.com & dupont@dhlanalytical.com Call John DuPont if you have questions.

General Comments:

4/22/22 1000 Received by:

Relinquished by: Relinquished by:

Date/Time

Date/Time

Received by:

Kelly Kukowski

62

# POLLUTION CONTROL SERVICES



# Report of Sample Analysis

	Sample Information	Project Name: 2204217 OHL Analytical, Inc. Sample ID: HWJ Matrix: Non-Potable Water Report Dat Report Dat Approved by:
•	Laboratory Information	PCS Sample #: 675493 Page 1 of 1 Date/Time Received: 04/26/2022 15:56 Report Date: 05/05/2022

Test Description	Result	Units RL	RL	Analys	Analysis Date/Time Method	ne ]	Method		Analyst	
Mercury/CVAFS	0.000006	mg/L	0.000005	05/05/	05/05/2022 09:05	古	EPA 245.7		DJL	
Test Description	Precision	Quality Ass Limit	Quality Assurance Summary Limit LCL MS	10000	MSD U	CL	CCS	UCL LCS LCS Limit	Blank	
Mercury/CVAFS	7	20	70	16	85	130	100	70 - 130	<1.8ng/L	
Quality Statement: All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged	dhered to data quali	dity objecti	ves and test	results me	et the require	o suents o	FNELA	Cunless otherwis	e noted as flagged	

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
RL = Reporting Limits exceptions or in a case narrative attachment. Reports with full quality data deliverables are abailable on request.

Web Site: www.peslab.net eMail: ehuek@peslab.net

Toll Free 800-880-4616

1532 Universal City Blvd, Suite 100

210-340-0343

FAX # 210-658-7903

Universal City, TX 78148-3318
This report cannot be reproduced or duplicated, except 6.3ull, without prior written consent from Pollution Control Services.

# CHAIN-OF-CUSTODY RECORD

DHL Analytical, Inc.

2300 Double Creek Drive Round Rock, TX 78664

TEL: (512) 388-8222

Work Order: 2204217

FAX:

Subcontractor:

1532 Universal City Blvd #100 Universal City, Texas 78148 Pollution Control Services

(800) 880-4616 (210) 658-7903 TEL: FAX:

S

6

9

Acct #:

21-Apr-22

Hg-LoLevel E245.7 **Bottle Type** Aqueous | 01P | 04/21/22 10:40 AM | 500GHCL Date Collected DHL# Matrix Sample ID Z N

Requested Tests ي

General Comments

Please analyze these samples with a Standard Turnaround Time Quality Control Package Needed: Standard - SEND PDF & Excel EDD Please EMAIL report to both cac@dhlanalytical com & dupont@dhlanalytical.com Call John DuPont if you have questions.

Relinquished by:

Relinquished by:

4/26/22 1400 Received by: Date/Time

Received by:

Date/Time

### **Pollution Control Services**

### Sample Log-In Checklist

675493

PCS Sample No(s) 6 7 5 4 9 3 COC No
Client/Company Name: DHL Checklist Completed by:
Sample Delivery to Lab Via:  Client Drop Off Commercial Carrier: Bus UPS Lone Star FedEx USPS  PCS Field Services: Collection/Pick Up Other:
Sample Kit/Coolers Sample Kit/Cooler: No
Sample Preservation:  * Cooling: Not Required or Required or Required or Required.  If cooling required, record temperature of submitted samples Observed/Corrected / °C  Is Ice Present in Sample Kit/Cooler? Yes No Samples received same day as collected? Yes N  Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: Other:
Acid Preserved Sample - If present, is pH <2? Yes No ** H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub> H <sub>3</sub> PO <sub>4</sub> Base Preserved Sample - If present, is pH >12? Yes No NaOH  Other Preservation: If Present, Meets Requirements? Yes No Sample Preservations Checked by: Date Time Happer used to check sample preservation (PCS log #): (HEM pH checked at analysis).  Samples Preserved/Adjusted by Lab: Lab # Parameters Preserved Preservative Used Log #
Adjusted by Tech/Analyst: Date : Time:
Client Notification/ Documentation for "No" Responses Above/ Discrepancies/ RevisionComments  Person Notified: Contacted by: Notified Date: Time:  Method of Contact: At Drop Off: Phone Left Voice Mail E-Mail Fax Unable to Contact Authorized Laboratory to Proceed: (Lab Director)  Regarding / Comments:
Actions taken to correct problems/discrepancies:
Receiving qualifier needed (requires client notification above) Temp Holding Time Initails:

<sup>\*</sup> Samples submitted for Metals Analysis (except Hex Cr) or Drinking Water for Coliform Bacteria Only are not required to be iced. Samples collected prior day to receipt at the laboratory must meet method specific thermal cooling requirements, "or will be flagged accordingly". Samples delivered the same day as collected may not meet thermal criteria, but shall be considered acceptable if evidence that the chilling process has begun, such as arrival on tice (EPA 815-F-08-006. June 2008). \*\* Water samples for metals analysis that are not acid preserved prior to shipment may be acceptably preserved by the laboratory on receipt – however, the sample digestion procedure must be delayed for at least 24 hours after preservation by the laboratory.

65

PCS Sample Login Checklist 20190621.doc



Attachment H – Proof of Payment

BYK USA Inc., 524 South Cherry Street, Wallingford, CT 06492

Texas Commission on Environmental Quality 12100 Park 35 Circle Bldg A MC 181 Austin TX 78711-3088

### Payment advice

Document / Date
29001683 / 03/04/2025
Our accounting clerk
Maria Rosario
Telephone

Fax

Email
Maria.Rosario@altana.com
Your account with us
937429

Dear Sir/Madam,

We have cleared the items listed below with document 29001683 and released an ACH payment to your company today.

Best regards

BYK USA Inc.

Document	Your document	Date	Cash discount	Gross amount
11004696	WQ0003306000	02/27/2025	0.00	1,215.00
Sum total			0.00	1,215.00

Important information to accelerate our digital invoice verification process and your payment:

Billing adress: BYK USA INC.

524 South Cherry Street Wallingford, CT 06492

Please send your invoice directly to invoices.Byk.USA@Altana.com.

Payment document 29001683

Date 03/04/2025

Currency USD

Payment amount \*\*\*\*\*\*\*1,215.00\*