Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

North Alamo Water Supply Corporation (CN 600633713) operates the Owassa Reverse Osmosis water Treatment Plant 4 (RN104930870), a water purification plant. The facility is located at 1108 E.Owassa Rd, in the City of San Juan, Hidalgo County, Texas 78589.

North Alamo Water Supply Corporation has applied to the Texas Commission on Environmental Quality (TCEQ) to renew the permit that authorizes the discharge of wastes from the plant at a daily average flow not to exceed 2.0 million gallons per day (MGD) via Outfall 001.

Discharges from the facility are expected to contain a highly saline brine, salts, and other dissolved solids such as sodium chloride, manganese, iron, sodium sulfate, sodium bicarbonate, calcium sulfate and calcium bicarbonate.

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

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

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

La Corporación de Abastecimiento de Agua North Álamo (CN 600633713) opera La Planta de Ósmosis Inversa Owassa Planta Potabilizadora 4 (RN104930870), un planta purificadora de agua. La planta está ubicada por la Carretera Owassa Número 1108, en la ciudad de San Juan en el condado Hidalgo, Texas código postal 78589.

La Corporación de Abastecimiento de Agua North Álamo ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el permiso que autoriza la descarga de aguas residuales de la planta en un volumen que no sobrepasa un flujo promedio diario de 2.0 millones de galones por día por medio del Desagüe 001.

Se espera que las descargas de 1a planta contengan salmuera altamente salada, sales y otros sólidos disueltos como cloruro de sodio, manganeso, hierro, sulfato de sodio, bicarbonato de sodio, sulfato de calcio y bicarbonato de calcio.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0004789000

APPLICATION. North Alamo Water Supply Corporation, 420 South Doolittle Road, Edinburg, Texas 78542, which owns a Reverse Osmosis Water Treatment Plant, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0004789000 (EPA I.D. No. TX0128643) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 2,000,000 gallons per day. The facility is located at 1108 East Owassa Road, in the city of San Juan, in Hidalgo County, Texas 78589. The discharge route is from the plant site to a lateral ditch; thence to South Main Drain; thence to Main Floodwater Channel; thence to Laguna Madre. TCEQ received this application on July 9, 2025. The permit application will be available for viewing and copying at North Alamo Water Supply Corporation, Main Lobby, 420 South Doolittle Road, Edinburg, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.126944,26.239166&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public

interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application. If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing.** A contested case hearing is a legal proceeding similar to a civil trial in state district court.

TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST: your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

MAILING LIST. If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

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

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from North Alamo Water Supply Corporation at the address stated above or by calling Mr. Agustin Gomez, Wastewater Manager, at No: (956) 383-1618.

Issuance Date: August 6, 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. WQ0004789000

SOLICITUD. La Corporación de Abastecimiento de Agua North Álamo, Calle Doolittle Sur Número 420, Edinburg, Texas, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0004789000 (EPA I.D. No. TX 0128643) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,000,000 galones por día. La planta está ubicada por la Carretera Owassa Este Número 1108, en la ciudad de San Juan en el Condado de Hidalgo, Texas 78589. La ruta de descarga es del sitio de la planta a una acequia lateral; de ahí al Drenaje Principal del Sur; de ahí al Cauce de Avenida Principal; de ahí a la Laguna Madre en el Segmento Núm. 2491 de las Bahías y Estuarios. La TCEQ recibió esta solicitud el 9 de julio del 2025. The permit application will be available for viewing and copying at North Alamo Water Supply Corporation, Main Lobby, 420 South Doolittle Road, Edinburg, Texas 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=-98.126944,26.239166&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 especifico. 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 www.tceq.texas.gov/goto/cid. 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 http://www14.tceq.texas.gov/epic/eComment/ o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional de La Corporación de Abastecimiento de Agua North Álamo a la dirección indicada arriba o llamando Sr. Agustin Gómez al teléfono 956-383-1618.

Fecha de emisión: 6 de agosto de 2025

Abesha Michael

From: Jose Rodriguez <xultex@yahoo.com>
Sent: Tuesday, July 15, 2025 12:17 PM
To: Abesha Michael
Cc: Roland Zamora; Agomez
Subject: Response Letter for the Owassa RO TCEQ NOD Letter Dated July 11, 2025
Attachments: TCEQ_NAWSC Owassa RO_WWrespLtr2025.pdf; CertMailRcpt_TCEQApp_Owassa RO_Sent.pdf; USPS Tracking.pdf; 10411-10055-inst PP22-23.pdf; Industrial Discharge Renewal NORI_2025.docx; 10411_Owassa RO_2025_P7.pdf; Industrial Discharge Renewal Spanish NORI_2025.docx

Good afternoon,

On behalf of Mr. Rolando Zamora, North Alamo Water Supply Corporation, I am submitting his response letter and documents requested

Thank you,

Jose A. Rodriguez, R.S.
Xultex, LLC
(956) 330-9125

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas,78542

Phone No: (956) 383-1618 Email: agomez@naswc.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: agomez@naswc.com

☐ Fax: (956) 383-1372

☐ Regular Mail (USPS)

Mailing Address:

City/State/Zip Code:

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater License

Organization Name: North Alamo Water Supply Corporation

Phone No: (956) 383-1618 Email: agomez@naswc.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: North Alamo Water Supply Corporation Location within the building: ~~Main Lobby~~

Physical Address of Building: 420 S. Doolittle Road

City: Edinburg County: Hidalgo

e. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

5. Create an application for the permit action needed:
   - Specify the authorization type (Industrial Wastewater)
   - Specify the needed permit action (New permit, or Renewal or Amendment of an existing permit).
6. Fill out each application item within the STEERS application module.
7. Fill out and attach any other relevant portions of the application, including Administrative Report 1.1, Technical Report, and all required Worksheets and attachments within STEERS, when prompted.

   Portable document format (pdf) file type preferred. Please ensure any map files have a resolution of at least 600 dots per inch (dpi).
8. Electronically sign the application.

   The application must be in **Ready to Sign** status. The application may be shared with other accounts with access type **Sign** using the **Set Access Rights** option.
9. Pay the application fee.

   The application must be in **Ready to Pay** status.

   NOTE: The application process is not done after payment is made. You will need to click the **Return to STEERS** button after the payment confirmation screen to select and submit the application to TCEQ.
10. Select and submit the application.

    The application must be in **Ready to Submit** status.

The submitted application along with the attachments and confirmation letters can be viewed at any time under STEERS Home > Submissions.

Physical Application Submittal

Applicants may submit a completed physical application (i.e., paper copy) and submit an electronic copy of the application via TCEQ's file transfer protocol (FTP) server, as directed under items 1 and 2 below. If a completed physical application is submitted, an exact electronic copy of the application must be uploaded via TCEQ's FTP server for the application to be considered complete.

1. Paper application submittal

   One original (with an original wet–ink signature) of the completed application, including the entire Administrative Report, Technical Report, and all required Worksheets and attachments, must be submitted. **Do not staple or bind** the original application. **Do not use plastic sleeves** for the maps in the original application. Use the following addresses to deliver the application. **One additional paper copy for subsurface area drip dispersal system (SADDS) applications is required.**

   Regular US mail:
   Texas Commission on Environmental Quality
   Water Quality Division
   Applications Review and Processing Team, MC-148
   P.O. Box 13087
   Austin, Texas 78711-3087

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

   Hand delivery:
   Texas Commission on Environmental Quality
   Applications Review and Processing Team
   Building F, Room 2101
   12100 Park 35 Circle
   Austin, Texas 78753

2. Electronic Copy Submittal

   One exact electronic copy of the completed individual wastewater permit application must be uploaded via TCEQ's file transfer protocol (secure) (FTPS) server at https://ftps.tceq.texas.gov/ and shared to WQDeCopy@tceq.texas.gov. Portable document format (pdf) file type preferred. Please ensure any map files have a resolution of at least 600 dots per inch (dpi).

   Submittal of an exact electronic copy of the completed application does not relieve applicants of the requirement to submit a hardcopy original, per TCEQ Rule 30 TAC §305.48. For instructions on using the agency's FTP, or other questions about the submittal of electronic copies, please view https://www.tceq.texas.gov/help/helpcmpr.html

WHAT FEES ARE REQUIRED?

Wastewater permits are subject to two different types of fees: 1) an application fee and 2) an annual water quality fee. Payment of the fees may be made either by check or money order payable to TCEQ or through TCEQ's online payment portal (ePay[9]).

1. Application Fee

This fee is required to be paid at the time of application submittal. Failure to submit payment at the time the application is filed will cause delays in processing or denial of permit coverage. Application fees for industrial wastewater permits are based on: 1) the EPA Major/Minor facility designations and 2) whether the facility is subject to categorical effluent guidelines promulgated by the EPA (see table on page 52). All new TPDES permit applications are considered minors until formally classified as majors by the EPA.

Application fee schedule

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

Postage fees of $50.00 for new and amendment applications and $15.00 for renewals are included with the application fees to cover the expense of the required notice (*30 TAC § 305.53*). For new and major amendment applications, the $50.00 postage fee covers the expense of notifying up to 100 landowners. An additional $50.00 postage fee will be required for each additional increment of up to 100 landowners.

To verify receipt of payment, or for any other questions regarding payment of fees to TCEQ, please call the Cashier's Office. The applicant is responsible for the cost of publishing the public notices in the newspaper concerning the application for a permit. The applicant will be provided the information necessary to publish, including instructions, by the Applications Review and Processing Team (first notice) and by TCEQ's Office of the Chief Clerk (second notice).

[9] https://www3.tceq.texas.gov/epay/index.cfm

APPLICATION. North Alamo Water Supply Corporation, 420 South Doolittle Road, Edinburg, Texas 78542, which owns a reverse osmosis water treatment plant, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No.WQ0004789000 (EPA I.D. No. TX0128643) to authorize the discharge of treated domestic wastewater effluent at a volume not to exceed a daily average flow of 2,000,000 gallons per day. The wastewater treatment facility is located at 1108 East Owassa Road, in the city of San Juan, in Hidalgo County, Texas 78589. The discharge route is from the plant site to a lateral ditch; thence to South Main Drain; thence to Main Floodwater Channel, thence to Laguna Madre in Segment No. 2491 of the Bays and Estuaries. TCEQ received this application on July 9, 2025. The permit application will be available for viewing and copying at North Alamo Water Supply Corporation Main Office, Main Lobby, 420 South Doolittle Road, Edinburg, in Texas County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdesapplications
This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.126944,26.239166&level=18
Further information may also be obtained from North Alamo Water Supply Corporation at the address stated above or by calling Mr. Agustin Gomez, Wastewater Manager, at 956-383-1618.

July 14, 2025

Ms. Abesha Michael
Applications Review and Processing Team (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

Re: Application to Renew Permit No. WQ0004789000
Issued to North Alamo Water Supply Corporation
CN600633713, RN104930870

Dear Ms. Michael:

This correspondence is in response to your letter July 11, 2025 addressed to Mr. Agustin Gomez in which you requested three items on the application that need to be addressed before the application can be declared to be administratively complete.

Item No.1 states: *We need one original (with original signature page) and 2 copies of the paper application. Please submit a hard copy of the whole application.*

An original hard copy of the application (with the original signature pages) was mailed by certified mail on July 8, 2025. Attached is the certified mail receipt with the tracking number. In addition, I have included a copy of the tracking number results from the USPS website stating that the application was delivered on July 11, 2025.

Please note that we submitted the hard copy and the electronic copy of the application as stated in the TCEQ application instructions document titled, "INSTRUCTIONS FOR COMPLETING THE INDUSTRIAL WASTEWATER PERMIT APPLICATION." I have attached copies of pages 22 and 23 of that document where it shows the guidelines we followed on the physical application submission. No additional hard copies are required unless you submit an application for a subsurface area drip dispersal system.

Item No. 2 states: *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.*

We found some mistakes in the wording of the NORI and have corrected it. Among the corrections, we changed the public place for the viewing of the copy of the wastewater permit application to our main office. This location is more accessible to the customers of the permitted plant's service area.

Attached is the corrected NORI and updated Page 7 of Form 10411 of the application.

Item No. 3 states: *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 translated NORI translated into Spanish in a Microsoft Word Document.

If you need additional information, please do not hesitate to contact me.

Sincerely,

Rolando Zamora
RO Production Supervisor
North Alamo WSC

Enclosures

Cc: Agustin Gomez, Wastewater Manager, North Alamo WSC

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

SOLICITUD. La Corporación de Abastecimiento de Agua North Álamo, Calle Doolittle Sur Número 420, Edinburg, Texas, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0004789000 (EPA I.D. No. TX 0128643) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,000,000 galones por día. La planta está ubicada por la Carretera Owassa Este Número 1108, en la ciudad de San Juan en el Condado de Hidalgo, Texas 78589. La ruta de descarga es del sitio de la planta a una acequia lateral; de ahí al Drenaje Principal del Sur; de ahí al Cauce de Avenida Principal; de ahí a la Laguna Madre en el Segmento Núm. 2491 de las Bahías y Estuarios. La TCEQ recibió esta solicitud el 9 de julio del 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la Oficina Principal de La Corporación de Abastecimiento de Agua North Álamo, Vestíbulo Principal, Calle Doolittle Sur Número 420, Edinburg, en el condado de Hidalgo, 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=-98.126944,26.239166&level=18

AVISO DE IDIOMA ALTERNATIVO. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

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

También se puede obtener información adicional de La Corporación de Abastecimiento de Agua North Álamo a la dirección indicada arriba o llamando Sr. Agustin Gómez al teléfono 956-383-1618.

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.

APPLICANT NAME: North Alamo Water Supply Corporation

PERMIT NUMBER (If new, leave blank): WQ00 04789000

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

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

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

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

Applicant Name: North Alamo Water Supply Corporation

Permit No.: WQ0004789000

EPA ID No.: TX0128643

Expiration Date: 1/26/2026

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

☐ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

☒ Reverse Osmosis Water Treatment (reverse osmosis water treatment wastewaters only)

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

☒ Active ☐ Inactive

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

☒ TPDES Permit ☐ TLAP ☐ TPDES with TLAP component

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

☐ New

☐ Renewal with changes ☒ Renewal without changes

☐ Major amendment with renewal ☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

f. If applying for an amendment or modification, describe the request: Click to enter text.

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____

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

g. Application Fee

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

h. Payment Information

Mailed

Check or money order No.: 063914

Check or money order amt.: $315.00

Named printed on check or money order: Texas Commission on Environmental Quality

Epay

Voucher number: Click to enter text.

Copy of voucher attachment: Click to enter text.

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN600633713

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

b. Legal name of the entity (applicant) applying for this permit: North Alamo Water Supply Corporation

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

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

Prefix: Mr. Full Name (Last/First Name): Krenek/Steve

Title: Board President Credential:

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

☒ Yes ☐ No

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

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

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

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

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

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

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): CN

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: Full Name (Last/First Name):

Title: Credential:

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

☐ Yes ☐ No

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

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

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

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

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

a. ☒ Administrative Contact . ☐ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater Operator License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas,78542

Phone No: (956) 383-1618 Email: agomez@naswc.com

b. ☐ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Zamora/Rolando

Title: RO Production Supervisor Credential: Class A Water License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 651-0400 Email: rzamora@nawsc.com

Attachment: Click to enter text.

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): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 383-1618 Email: agomez@naswc.com

b. Prefix: Mr. Full Name (Last/First Name): Zamora/Rolando

Title: RO Production Supervisor Credential: Class A Water License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 651-0400 Email: rzamora@nawsc.com

Attachment:

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: Ms. Full Name (Last/First Name): Headley/Susan

Title: Purchasing Agent Credential:

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 383-1618 Email: sheadley@naswc.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): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater Operator License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas,78542

Phone No: (956) 383-1618 Email: agomez@naswc.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater License

Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas,78542

Phone No: (956) 383-1618 Email: agomez@naswc.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: agomez@naswc.com

☐ Fax: (956) 383-1372

☐ Regular Mail (USPS)

Mailing Address:

City/State/Zip Code:

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Gomez/Agustin

Title: Wastewater Manager Credential: Class A Wastewater License

Organization Name: North Alamo Water Supply Corporation

Phone No: (956) 383-1618 Email: agomez@naswc.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: Dustin Michael Sekula Memorial Libary Location within the building: Adult Meeting Room

Physical Address of Building: 1906 S. Closner Blvd.

City: Edinburg County: Hidalgo

e. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

   ☒ Yes ☐ No

3. Do the students at these schools attend a bilingual education program at another location?

   ☐ Yes ☒ No

4. Would the school be required to provide a bilingual education program, but the school has waived out of this requirement under 19 TAC §89.1205(g)?

   ☐ Yes ☒ No ☐ N/A

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

f. Summary of Application in Plain Language Template – Complete and attach the Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS. Attachment: Form 20972

g. Complete and attach one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment. Attachment: Click to enter text.

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

a. TCEQ issued Regulated Entity Number (RN), if available: RN104930870

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

b. Name of project or site (name known by the community where located): Owassa Reverse Osmosis Water Treatment Plant 4

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

☒ Yes ☐ No ☐ N/A (new permit)

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

d. Owner of treatment facility:

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

or Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 383-1618 Email: afterhrs@naswc.com

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

f. Owner of land where treatment facility is or will be: North Alamo Water Supply Corporation

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

or Organization Name: North Alamo Water Supply Corporation

Mailing Address: 420 S. Doolittle Road City/State/Zip: Edinburg, Texas 78542

Phone No: (956) 383-1618 Email: afterhrs@naswc.com

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

g. Owner of effluent TLAP disposal site (if applicable): Click to enter text.

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

or Organization Name: Click to enter text.

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

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

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

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

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

or Organization Name: Click to enter text.

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

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

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

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

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

☐ Yes ☒ No

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

☒ One-mile radius
☐ Three-miles downstream information
☒ Applicant's property boundaries
☐ Treatment facility boundaries
☒ Labeled point(s) of discharge
☐ Highlighted discharge route(s)
☒ Effluent disposal site boundaries
☐ All wastewater ponds
☐ Sewage sludge disposal site
☐ New and future construction

Attachment: Click to enter text.

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

☐ Yes ☐ No or New Permit

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

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

☒ Yes ☐ No or New Permit

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

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

☒ Yes ☐ No or New Permit

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

f. City nearest the outfall(s): San Juan

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

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

☒ Yes ☐ No

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

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

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

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

☐ Yes No or New Permit ☐ Click to enter text.

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

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

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

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

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

Item 12. Miscellaneous Information (Instructions, Page 33)

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

☐ Yes ☒ No

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

b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account no.: Click to enter text.

Total amount due: Click to enter text.

c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: Click to enter text.

Amount due: Click to enter text.

Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0004789000

Applicant Name: North Alamo Water Supply Corporation

Certification: I, Steve Krenek, 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): Steve Krenek

Signatory title: Board President

Signature: Steve Krenek (Use blue ink) Date: 05/20/2025

Subscribed and Sworn to before me by the said Steve Krenek

on this 20th day of May, 2025.

My commission expires on the 26th day of June, 2025.

Susan J Headley
Notary Public

SUSAN J. HEADLEY
My Notary ID # 6801080
Expires June 26, 2025
[SEAL]

Hidalgo
County, Texas

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

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Permit No:** WQ0004789000

1. Check or Money Order Number: Click to enter text 063914
2. Check or Money Order Amount: $315.00
3. Date of Check or Money Order: Click to enter text 05/27/2025
4. Name on Check or Money Order: Texas Commission on Environmental Quality
5. APPLICATION INFORMATION

   Name of Project or Site: Owassa Reverse Osmosis Water Treatment Plant 4

   Physical Address of Project or Site: 1108 East Owassa Road, San Juan, Texas 78589

   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.

ORIGINAL CHECK HAS AN ARTIFICIAL WATERMARK ON REVERSE SIDE - HOLD AT ANGLE TO VIEW

063914

NORTH ALAMO WATER SUPPLY CORP.
420 SOUTH DOOLITTLE RD • (956) 383-1618
EDINBURG, TEXAS 78542-9707

5/27/2025

PAY ****Three Hundred Fifteen and 00/100 Dollars

$315.00

TO THE ORDER OF Texas Commission On Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600633713		**RN 104930870**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 5/20/2025

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership

☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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

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

North Alamo Water Supply Corporation

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0022548901	17415953193	74-1595319	055115505

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other: Non-Profit

12. Number of Employees

☐ 0-20 ☐ 21-100 ☒ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☒ **Yes** ☐ **No**

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

☐ Owner ☐ Operator ☒ Owner & Operator

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

15. Mailing Address:	420 S. Doolittle Rd.							
	City	Edinburg	**State**	TX	**ZIP**	78542	**ZIP + 4**	9707

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
	afterhrs@nawsc.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(956) 383-1618		(956) 383-1372

SECTION III: Regulated Entity Information

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

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

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

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

Owassa Reverse Osmosis Water Plant 4

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	1108 E. Owassa Rd.							
	City	San Juan	**State**	TX	**ZIP**	78589	**ZIP + 4**	
24. County	Hidalgo							

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

25. Description to Physical Location:	

26. Nearest City	State	Nearest ZIP Code

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

27. Latitude (N) In Decimal:	26.240741		28. Longitude (W) In Decimal:	-98.127875	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
26	14	26.52	98	7	40.44

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
4941		221310	

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

Water Treatment

34. Mailing Address:	**420 S. Doolitte Rd.**

	City	Edinburg	State	TX	ZIP	78542	ZIP + 4	9707
35. E-Mail Address:	afterhrs@nawsc.com							
36. Telephone Number		37. Extension or Code		38. Fax Number *(if applicable)*				
(956) 383-1618				(956) 383-1372				

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0004789000			

SECTION IV: Preparer Information

40. Name:	Jose A. Rodriguez	41. Title:	Registered Sanitarian
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(956) 330-9125		( ) -	xultex@yahoo.com

SECTION V: Authorized Signature

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

Company:	North Alamo Water Supply Corporation	Job Title:	General Manager
Name *(In Print)*:	Steven Sanchez	Phone:	(956) 383- 1618
Signature:	Steven Sanchez	Date:	05/20/2025

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

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

North Alamo Water Supply Corporation (CN 600633713) operates the Owassa Reverse Osmosis water Treatment Plant 4 (RN104930870), a water purification plant. The facility is located at 1108 E.Owassa Rd, in the City of San Juan, Hidalgo County, Texas 78589.

North Alamo Water Supply Corporation has applied to the Texas Commission on Environmental Quality (TCEQ) to renew the permit that authorizes the discharge of wastes from the plant at a daily average flow not to exceed 2.0 million gallons per day (MGD) via Outfall 001.

Discharges from the facility are expected to contain a highly saline brine, salts, and other dissolved solids such as sodium chloride, manganese, iron, sodium sulfate, sodium bicarbonate, calcium sulfate and calcium bicarbonate.

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

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

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

La Corporación de Abastecimiento de Agua North Álamo (CN 600633713) opera La Planta de Ósmosis Inversa Owassa Planta Potabilizadora 4 (RN104930870), un planta purificadora de agua. La planta está ubicada por la Carretera Owassa Número 1108, en la ciudad de San Juan en el condado Hidalgo, Texas código postal 78589.

La Corporación de Abastecimiento de Agua North Álamo ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el permiso que autoriza la descarga de aguas residuales de la planta en un volumen que no sobrepasa un flujo promedio diario de 2.0 millones de galones por día por medio del Desagüe 001.

Se espera que las descargas de 1a planta contengan salmuera altamente salada, sales y otros sólidos disueltos como cloruro de sodio, manganeso, hierro, sulfato de sodio, bicarbonato de sodio, sulfato de calcio y bicarbonato de calcio.

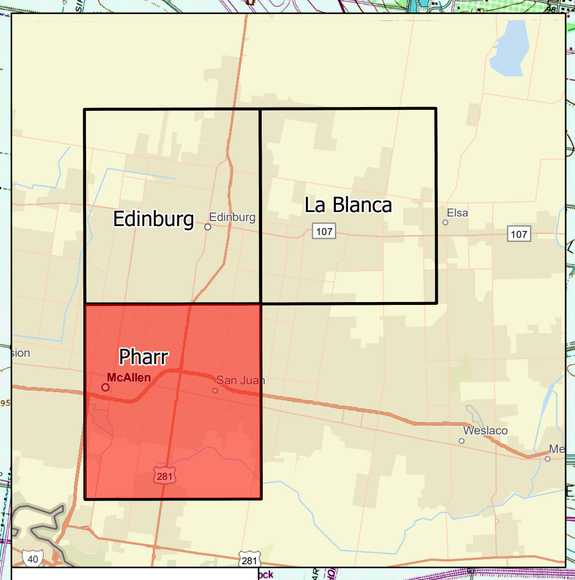
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PHARR QUADRANGLE
TEXAS–HIDALGO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

Outfall No. 001
See Note

Owassa Reverse Osmosis
Water Treatment Plant 4

Outfall No. 001 Note
Permit Number 04789-000
Latitude (Decimal Degrees) 26.240741
Longitude (Decimal Degrees) -98.127875
Horizonal Datum: NAD83
Created in TCEQ GIS Database: 05-18-2020
Source: TCEQ GIS Database 03-29-2025



Legend
- Outfall No. 001
- 1 Mile Radius
- 3 Miles Downstream
- 150' Buffer
- WTP Boundary
- Owassa Reverse Osmosis Water Treatment Plant 4

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Planimetry by photogrammetric methods from aerial photographs taken 1961. Topography by planetable surveys 1963

Polyconic projection. **1927 North American Datum**
10,000-foot grid based on Texas coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks,
zone 14, shown in blue

Red tint indicates areas in which only landmark buildings are shown

To place on the predicted North American Datum 1983 move the projection lines 33 meters south and 28 meters east as shown by dashed corner ticks

Purple tint indicates extension of urban areas

UTM GRID AND 1983 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Revisions shown in purple and woodland compiled from aerial photographs taken 1980 and other source data. This information not field checked. Map edited 1983

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty
Medium-duty
Light-duty
Unimproved dirt
U.S. Route
State Route

TEXAS
QUADRANGLE LOCATION

2698–113

PHARR, TEX.

N2607.5–W9807.5/7.5

1963
PHOTOREVISED 1983
DMA 6336 II NW–SERIES V882

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1984

RETURN TO:
USGS MAP AND HISTORICAL MAP ARCHIVES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EDINBURG QUADRANGLE
TEXAS–HIDALGO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

6336 I NE (IMONTE CHRISTO)
6336 I NW (FAYSVILLE)
6336 I NE (HARGILL)
6336 I SE (ALTON)
6336 II NE (MISSION)
6336 II NW (PHARR)
6336 II SE (LA BLANCA)

98°15' 26°22'30" 12'30" 10' 98°07'30" 26°22'30"
575 000m. E. 585 000m. E.
2 120 000 FEET
2 090 000 FEET
220 000 FEET
250 000 FEET
2917 000m. N.
2904 000m. N.

Legend
- 3 Miles Downstream
- 1 Mile Radius

Edinburg
La Blanca
Pharr
McAllen
San Juan
Weslaco
Elsa
MC ALLEN
EDINBURG
Lull
Merito

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Planimetry by photogrammetric methods from aerial photographs taken 1961. Topography by planetable surveys 1963

Polyconic projection. **1927 North American Datum**
10,000-foot grid based on Texas coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue

Red tint indicates area in which only landmark buildings are shown

To place on the predicted North American Datum 1983 move the projection lines 33 meters south and 28 meters east as shown by dashed corner ticks

Purple tint indicates extension of urban areas

MN GN 0°22' 7 MILS 7½° 133 MILS
UTM GRID AND 1983 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Revisions shown in purple and woodland compiled from aerial photographs taken 1980 and other source data
This information not field checked. Map edited 1983

SCALE 1:24 000
1 MILE 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

TEXAS
QUADRANGLE LOCATION

2698–142

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U.S. Route — State Route

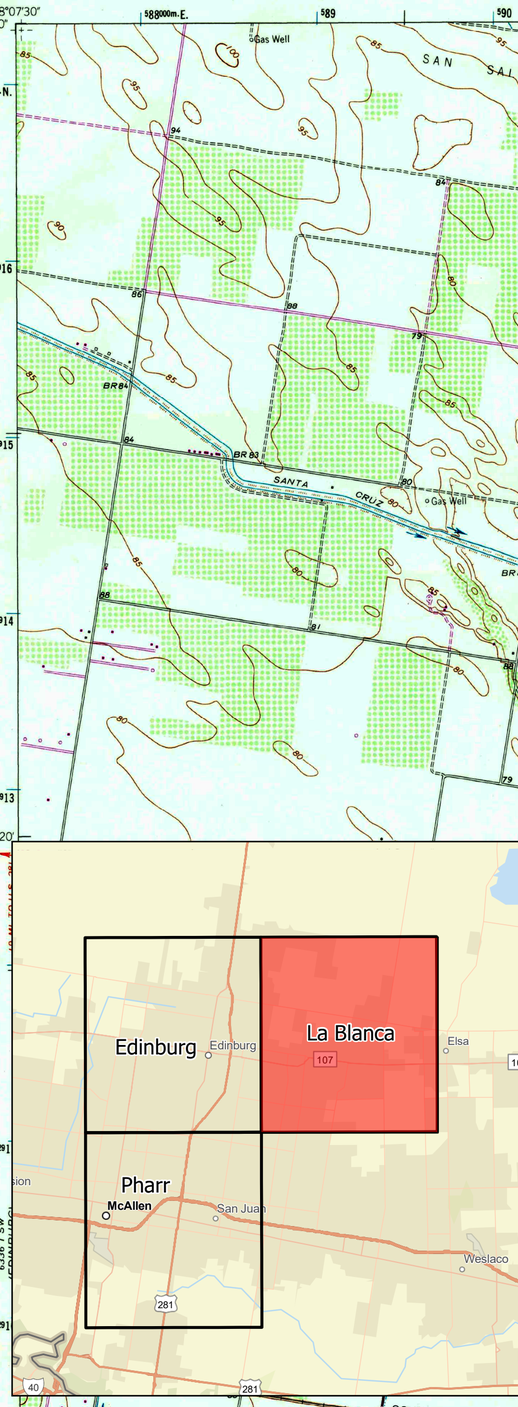
EDINBURG, TEX.
N2615–W9807.5/7.5

1963
PHOTOREVISED 1983
DMA 6336 I SW–SERIES V882

INTERIOR–GEOLOGICAL SURVEY, RESTON, VIRGINIA–1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LA BLANCA QUADRANGLE
TEXAS-HIDALGO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Legend

3 Miles Downstream

1 Mile Radius

3 Miles Downstream

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Planimetry by photogrammetric methods from aerial photographs taken 1961. Topography by planetable surveys 1963

Polyconic projection. **1927 North American Datum**
10,000-foot grid based on Texas coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks,
zone 14, shown in blue

Red tint indicates area in which only landmark buildings are shown

To place on the predicted North American Datum 1983 move the projection lines 33 meters south and 28 meters east as shown by dashed corner ticks

Purple tint indicates extension of urban areas

UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Revision shown in purple and woodland compiled from aerial photographs taken 1980 and other source data
This information not field checked. Map edited 1982

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
State Route

TEXAS
QUADRANGLE LOCATION

2698-141

LA BLANCA, TEX.
26098-C1-TF-024
1963
PHOTOREVISED 1982
DMA 6336 I SE-SERIES V882

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1984

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: _____Renewal _____Major Amendment ____Minor Amendment _____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

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

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

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

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

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

The following applies to all applications:

1. Permittee: North Alamo Water Supply Corporation

   Permit No. WQ00 04789000 EPA ID No. TX 0128643

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

   1108 E. Owassa Rd., San Juan, Texas 78589

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Steven Sanchez

Credential (P.E, P.G., Ph.D., etc.): Class B Surface Water Operator License

Title: General Manager

Mailing Address: 420 S. Doolittle Rd.

City, State, Zip Code: Edinburg, Texas 78542-9707

Phone No.: (956) 383-1618 Ext.: Click here to enter text. Fax No.: (956) 383-1372

E-mail Address: ssanchez@nawsc.com

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

Click here to enter text.

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

Via outfall to a lateral ditch, thence to South Main Drain, thence to Main Floodwater Channel, thence to Laguna Madre in Segment No. 2491 of the Bays and Estuaries

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- ☐ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☐ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

1. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

No construction-related land use impacts are projected on this site.

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

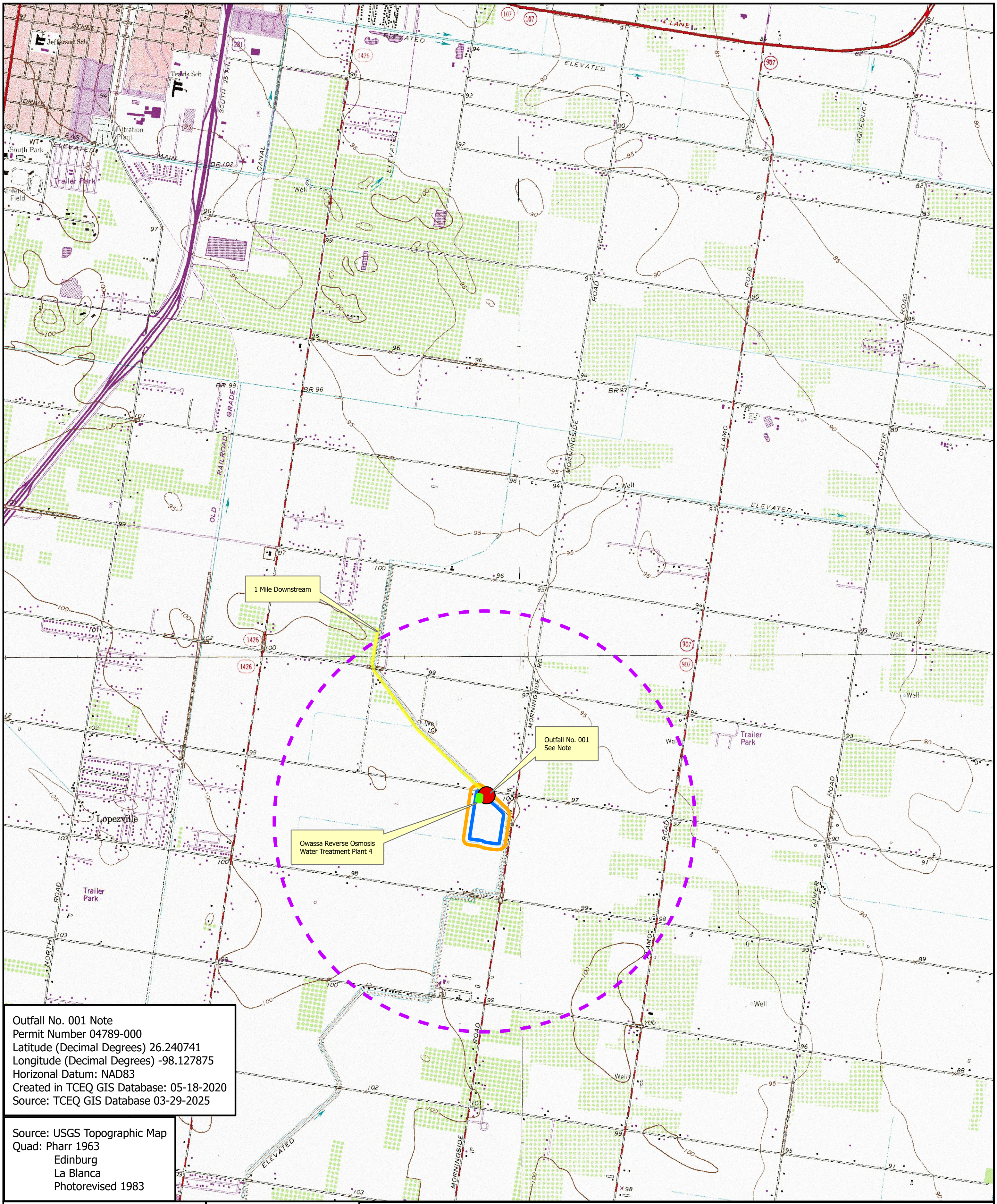
The site consists of a vacant lot with minimal vegetation consisting primarily of weeds.

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

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

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

Click here to enter text.



Outfall No. 001 Note
Permit Number 04789-000
Latitude (Decimal Degrees) 26.240741
Longitude (Decimal Degrees) -98.127875
Horizonal Datum: NAD83
Created in TCEQ GIS Database: 05-18-2020
Source: TCEQ GIS Database 03-29-2025

Source: USGS Topographic Map
Quad: Pharr 1963
Edinburg
La Blanca
Photorevised 1983

N
W E
S
0 1,550 3,100
Feet

North Alamo Water Supply Corporation Owassa Reverse Osmosis Water Treatment Plant 4 Topographic Map

Legend

- Owassa Reverse Osmosis Water Treatment Plant 4
- Outfall No. 001
- 1 Mile Radius
- 150' Buffer
- WTP Boundary
- 1 Mile Downstream

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

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

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

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

The facility processes raw brackish groundwater through a reverse osmosis system to supply potable water; SIC code 4941

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

The facility is a reverse osmosis (RO) membrane water treatment plant. The water plant consists of three cartridge filters, three high pressure feed pumps, which feed raw groundwater into three separate reverse osmosis trains labeled "A" "B" & "C." Each train produces 75% product and 25% concentrate reject water. Reject concentrate from each RO train pumps directly into the reject concentrate waste drain. The waste drain also receives effluent from sample instrumentation and clean in place (CIP) discharge. The discharge from the CIP is neutralized before being discharged into the drain. The CIP system is used to clean the membranes annually and exits through Outfall 001. The effluent is metered prior to being discharged into a lateral ditch; thence to South Main Drain; thence to Main Floodwater Channel; thence to Laguna Madre in Segment No. 2491 of the Bays and Estuaries.

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

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

Materials List N/A

Raw Materials	Intermediate Products	Final Products

Attachment: Click to enter text.

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

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

Attachment: Facility Map

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

☐ Yes ☒ No

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

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

☒ Yes ☐ No

List source(s) used to determine 100-year frequency flood plain: FEMA Map 4803340425C

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

Attachment: FEMA Map

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

☐ Yes ☐ No ☒ N/A (renewal only)

h. If **yes** to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

☐ Yes ☐ No

If **yes**, provide the permit number: Click to enter text.

If **no**, provide an approximate date of application submittal to the USACE: Click to enter text.

Item 2. Treatment System (Instructions, Page 40)

a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

The facility uses a Clean-in Place (CIP) system to treat the reject water discharged from the reverse osmosis trains that flows into the reject concentrate waste drain. The waste drain also receives effluent from sample instrumentation and the CIP discharge. The discharge from the CIP is neutralized before being discharged into the drain that exits into Outfall 001.

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: Flow Diagram

Item 3. Impoundments (Instructions, Page 40)

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

☐ Yes ☒ No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a – 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a – 3.e.

a. Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.

Use Designation: Indicate the use designation for each impoundment as Treatment (**T**), Disposal (**D**), Containment (**C**), or Evaporation (**E**).

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

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

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

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

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

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

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

Impoundment Information

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

Attachment: Click to enter text.

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

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

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

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

Attachment: Click to enter text.

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

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

Attachment: Click to enter text.

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: Click to enter text.

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: Click to enter text.

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	26.240741	-98.127875

Outfall Location Description

Outfall No.	Location Description
001	Discharge from the RO plant flows northeast to outfall 001. Outfall 001 consists of a concrete pipe with riprap which flows into drainage ditch.

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

Outfall No.	Description of sampling point

Outfall Flow Information – Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	2.0	2.0	2.0	2.0	Active

Outfall Discharge – Method and Measurement

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

Outfall Discharge – Flow Characteristics

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

Outfall Wastestream Contributions

Outfall No. 001

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
RO Concentrate Discharge	0.30	85%
Membrane Wash Water	0.0001	0.0004%
Pipeline Wash Water	0.05	14.9996%

Outfall No. Click to enter text.

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

Outfall No. Click to enter text.

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

Attachment: Click to enter text.

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

a. Indicate if the facility currently or proposes to:

☐ Yes ☒ No Use cooling towers that discharge blowdown or other wastestreams

☐ Yes ☒ No Use boilers that discharge blowdown or other wastestreams

☐ Yes ☒ No Discharge once-through cooling water

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

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

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

Attachment: Click to enter text.

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			
Boilers			

Item 6. Stormwater Management (Instructions, Page 44)

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

☐ Yes ☒ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: Click to enter text.

Item 7. Domestic Sewage, Sewage Sludge, and Septage Management and Disposal (Instructions, Page 44)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.

☐ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.

☐ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.

☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.

☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.

☐ Facility is a POTW. Complete Worksheet 5.0.

☒ Domestic sewage is not generated on-site.

☐ Other (e.g., portable toilets), specify and Complete Item 7.b: Click to enter text.

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

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.

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

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Item 9. Toxicity Testing (Instructions, Page 45)

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

☐ Yes ☒ No

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

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

Item 10. Off–Site/Third Party Wastes (Instructions, Page 45)

a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

☐ Yes ☒ No

If **yes**, provide responses to Items 10.b through 10.d below.

If **no**, proceed to Item 11.

b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

Attachment: Click to enter text.

c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

☐ Yes ☐ No

If **yes**, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: Click to enter text.

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

☐ Yes ☐ No

If **yes**, **Worksheet 6.0** of this application **is required**.

Item 11. Radioactive Materials (Instructions, Page 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)

b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

☐ Yes ☐ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)

Item 12. Cooling Water (Instructions, Page 46)

a. Does the facility use or propose to use water for cooling purposes?

☐ Yes ☒ No

If **no**, stop here. If **yes**, complete Items 12.b thru 12.f.

b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

☐ Yes ☐ No

If **yes**, stop here. If **no**, continue.

c. Cooling Water Supplier

1. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

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

CWIS ID				
Owner				
Operator				

2. Cooling water is/will be obtained from a Public Water Supplier (PWS)

   ☐ Yes ☐ No

   If **no**, continue. If **yes**, provide the PWS Registration No. and stop here: PWS No. Click to enter text.

3. Cooling water is/will be obtained from a reclaimed water source?

   ☐ Yes ☐ No

   If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here: Click to enter text.

4. Cooling water is/will be obtained from an Independent Supplier

   ☐ Yes ☐ No

   If **no**, proceed to Item 12.d. If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed: Click to enter text.

d. 316(b) General Criteria

1. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

   ☐ Yes ☐ No

2. At least 25% of the total water withdrawn by the CWIS is/will be used at the facility exclusively for cooling purposes on an annual average basis.

   ☐ Yes ☐ No

3. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in *40 CFR § 122.2*.

   ☐ Yes ☐ No

   If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in *40 CFR § 122.2*: Click to enter text.

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f**.

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) **and uses**/proposes **to use cooling towers**.

   ☐ Yes ☐ No

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

f. Oil and Gas Exploration and Production

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

☐ Yes ☐ No

If **yes**, continue. If **no**, skip to Item 12.g.

2. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

☐ Yes ☐ No

If **yes**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.3.

g. Compliance Phase and Track Selection

1. Phase I – New facility subject to 40 CFR Part 125, Subpart I

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – AIF greater than 2 MGD, but less than 10 MGD

- Attach information required by *40 CFR §§ 125.86(b)(2)–(4)*.

☐ Track I – AIF greater than 10 MGD

- Attach information required by *40 CFR § 125.86(b)*.

☐ Track II

- Attach information required by *40 CFR § 125.86(c)*.

Attachment: Click to enter text.

2. Phase II – Existing facility subject to 40 CFR Part 125, Subpart J

☐ Yes ☐ No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

3. Phase III – New facility subject to 40 CFR Part 125, Subpart N

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection and provide the requested information.

☐ Track I – Fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – Not a fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).

☐ Track II – Fixed facility

- Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: Click to enter text.

Item 13. Permit Change Requests (Instructions, Page 48)

This item is only applicable to existing permitted facilities.

a. Is the facility requesting a **major amendment** of an existing permit?

☐ Yes ☒ No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

Click to enter text.

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

☐ Yes ☒ No

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

Click to enter text.

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

☐ Yes ☒ No

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

Click to enter text.

Item 14. Laboratory Accreditation (Instructions, Page 49)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
  - periodically inspected by the TCEQ; or
  - located in another state and is accredited or inspected by that state; or
  - performing work for another company with a unit located in the same site; or
  - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

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

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

CERTIFICATION:

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

Printed Name: Steven Sanchez

Title: General Manager

Signature: _____

Date: 05/20/2025

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): 5/20/2025-6/11/2025

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:** Laboratory Results

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:** Click to enter text.

TABLE 1 and TABLE 2 (Instructions, Page 58)

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

Table 1 for Outfall No.: 001 **Samples are (check one):** ☐ **Composite** ☒ **Grab**

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	<2	2.31	2.69	< 2
CBOD (5-day)	<2	<2	2.66	< 2
Chemical oxygen demand	30.0	32	17	31.0
Total organic carbon	6.50	9.12	5.73	4.32
Dissolved oxygen	6.44	6.64	6.57	7.18
Ammonia nitrogen	0.014	0.094	< 0.1	< 0.1
Total suspended solids	11.2	21.2	10.4	13.6
Nitrate nitrogen	0.140	0.222	0.391	0.404
Total organic nitrogen	0.47	0.610	1.04	0.837
Total phosphorus	0.109	0.444	0.145	0.478
Oil and grease	<1.67	<1.65	< 2.73	< 2.70
Total residual chlorine	0.05	0.05	0.05	0.04

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total dissolved solids	2550	2500	2800	3040
Sulfate	718	659	690	836
Chloride	773	688	748	870
Fluoride	1.35	1.22	1.40	1.56
Total alkalinity (mg/L as CaCO3)	400	320	356.4	372.4
Temperature (°F)	83.5	82.8	88.9	85.3
pH (standard units)	7.67	7.69	7.69	7.41

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

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	584	561	518	602	2.5
Antimony, total	0.51	0.68	0.71	0.71	5
Arsenic, total	4.95	5.21	5.06	5.58	0.5
Barium, total	117	113	114	114	3
Beryllium, total	<0.06	<0.06	<0.5	<0.5	0.5
Cadmium, total	<0.03	<0.03	<0.5	<0.5	1
Chromium, total	0.33	0.31	<0.5	0.59	3
Chromium, hexavalent	<0.5	<0.5	<1	< 0.001	3
Chromium, trivalent	<0.5	<0.5	<1	< 0.001	N/A
Copper, total	21.6	18.6	25.3	240	2
Cyanide, available	2.50	5.00	3.0	<2	2/10
Lead, total	0.34	0.42	<0.5	<0.5	0.5
Mercury, total	0.00000073	0.00000331	0.000000586	0.000000933	0.005/0.0005
Nickel, total	1.06	1.24	1.34	1.38	2
Selenium, total	7.05	6.97	6.29	6.86	5
Silver, total	<0.13	<0.13	<0.5	<0.5	0.5
Thallium, total	<0.06	0.07	<0.5	<0.5	0.5
Zinc, total	9.54	6.52	49.3	5.37	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.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

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

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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
TTHM (Total trihalomethanes)					10
Vinyl chloride					10

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

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

TABLE 4 (Instructions, Pages 58–59)

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

a. **Tributyltin**

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

☐ Yes ☒ No

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

☐ Manufacturers and formulators of tributyltin or related compounds.

☐ Painting of ships, boats and marine structures.

☐ Ship and boat building and repairing.

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

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

☐ Facilities engaged in wood preserving.

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

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

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

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

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

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

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

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

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

Table 4 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

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

TABLE 5 (Instructions, Page 59)

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

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

☒ N/A

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

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

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

* Indicate units if different from µg/L.

TABLE 6 (Instructions, Page 59)

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

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

Pollutants	Believed Present	Believed Absent	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)	MAL (µg/L)*
Bromide	☒	☐	2.49	2.25	2.51	2.64	400
Color (PCU)	☒	☐	<5	15	10	10	—
Nitrate-Nitrite (as N)	☒	☐	0.140	0.232	0.336	0.364	—
Sulfide (as S)	☒	☐	<0.01	<0.01	< 0.05	< 0.05	—
Sulfite (as SO3)	☒	☐	<5.00	<5.00	< 5	< 5	—
Surfactants	☒	☐	ND	0.0650	ND	ND	—
Boron, total	☒	☐	0.900	0.940	0.832	1.05	20
Cobalt, total	☒	☐	0.00047	0.00040	< 0.0005	< 0.0005	0.3
Iron, total	☒	☐	0.150	0.224	0.0830	0.254	7
Magnesium, total	☒	☐	77.9	80.6	75.8	85.5	20
Manganese, total	☒	☐	0.0738	0.0732	0.0573	0.0604	0.5
Molybdenum, total	☒	☐	0.0209	0.0194	0.0193	0.0191	1
Tin, total	☒	☐	<0.01	<0.01	< 0.01	< 0.01	5
Titanium, total	☒	☐	0.00150	0.00224	0.00122	0.00272	30

TABLE 7 (Instructions, Page 60)

Check the box next to any of the industrial categories applicable to this facility. If no categories are applicable, check N/A. If GC/MS testing is required, check the box provided to confirm the testing results for the appropriate parameters are provided with the application.

☒ N/A

Table 7 for Applicable Industrial Categories

Industrial Category	40 CFR Part	Volatiles Table 8	Acids Table 9	Bases/ Neutrals Table 10	Pesticides Table 11
☐ Adhesives and Sealants		☐ Yes	☐ Yes	☐ Yes	No
☐ Aluminum Forming	467	☐ Yes	☐ Yes	☐ Yes	No
☐ Auto and Other Laundries		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Battery Manufacturing	461	☐ Yes	No	☐ Yes	No
☐ Coal Mining	434	No	No	No	No
☐ Coil Coating	465	☐ Yes	☐ Yes	☐ Yes	No
☐ Copper Forming	468	☐ Yes	☐ Yes	☐ Yes	No
☐ Electric and Electronic Components	469	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Electroplating	413	☐ Yes	☐ Yes	☐ Yes	No
☐ Explosives Manufacturing	457	No	☐ Yes	☐ Yes	No
☐ Foundries		☐ Yes	☐ Yes	☐ Yes	No
☐ Gum and Wood Chemicals - Subparts A,B,C,E	454	☐ Yes	☐ Yes	No	No
☐ Gum and Wood Chemicals - Subparts D,F	454	☐ Yes	☐ Yes	☐ Yes	No
☐ Inorganic Chemicals Manufacturing	415	☐ Yes	☐ Yes	☐ Yes	No
☐ Iron and Steel Manufacturing	420	☐ Yes	☐ Yes	☐ Yes	No
☐ Leather Tanning and Finishing	425	☐ Yes	☐ Yes	☐ Yes	No
☐ Mechanical Products Manufacturing		☐ Yes	☐ Yes	☐ Yes	No
☐ Nonferrous Metals Manufacturing	421,471	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Oil and Gas Extraction - Subparts A, D, E, F, G, H	435	☐ Yes	☐ Yes	☐ Yes	No
☐ Ore Mining - Subpart B	440	No	☐ Yes	No	No
☐ Organic Chemicals Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Paint and Ink Formulation	446,447	☐ Yes	☐ Yes	☐ Yes	No
☐ Pesticides	455	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Petroleum Refining	419	☐ Yes	No	No	No
☐ Pharmaceutical Preparations	439	☐ Yes	☐ Yes	☐ Yes	No
☐ Photographic Equipment and Supplies	459	☐ Yes	☐ Yes	☐ Yes	No
☐ Plastic and Synthetic Materials Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Plastic Processing	463	☐ Yes	No	No	No
☐ Porcelain Enameling	466	No	No	No	No
☐ Printing and Publishing		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Pulp and Paperboard Mills - Subpart C	430	☐ *	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subparts F, K	430	☐ *	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts A, B, D, G, H	430	☐ Yes	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts I, J, L	430	☐ Yes	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subpart E	430	☐ Yes	☐ Yes	☐ Yes	☐ *
☐ Rubber Processing	428	☐ Yes	☐ Yes	☐ Yes	No
☐ Soap and Detergent Manufacturing	417	☐ Yes	☐ Yes	☐ Yes	No
☐ Steam Electric Power Plants	423	☐ Yes	☐ Yes	No	No
☐ Textile Mills (Not Subpart C)	410	☐ Yes	☐ Yes	☐ Yes	No
☐ Timber Products Processing	429	☐ Yes	☐ Yes	☐ Yes	☐ Yes

* Test if believed present.

TABLES 8, 9, 10, and 11 (Instructions, Page 60)

Completion of Tables 8, 9, 10, and 11 **is required** as specified in Table 7 for all **external outfalls** that contain process wastewater.

Completion of Tables 8, 9, 10, and 11 **may be required** for types of industry not specified in Table 7 for specific parameters that are believed to be present in the wastewater.

Table 8 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

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

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

* Indicate units if different from µg/L.

Table 9 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
2-Chlorophenol					10
2,4-Dichlorophenol					10
2,4-Dimethylphenol					10
4,6-Dinitro-o-cresol					50
2,4-Dinitrophenol					50
2-Nitrophenol					20
4-Nitrophenol					50
p-Chloro-m-cresol					10
Pentachlorophenol					5
Phenol					10
2,4,6-Trichlorophenol					10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene					10
Acenaphthylene					10
Anthracene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]					10
Benzo(ghi)perylene					20
Benzo(k)fluoranthene					5
Bis(2-chloroethoxy)methane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10
Bis(2-ethylhexyl)phthalate					10
4-Bromophenyl phenyl ether					10
Butylbenzyl phthalate					10
2-Chloronaphthalene					10
4-Chlorophenyl phenyl ether					10
Chrysene					5
Dibenzo(a,h)anthracene					5
1,2-Dichlorobenzene [o-Dichlorobenzene]					10
1,3-Dichlorobenzene [m-Dichlorobenzene]					10
1,4-Dichlorobenzene [p-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
Diethyl phthalate					10
Dimethyl phthalate					10
Di-n-butyl phthalate					10
2,4-Dinitrotoluene					10
2,6-Dinitrotoluene					10
Di-n-octyl phthalate					10
1,2-Diphenylhydrazine (as Azobenzene)					20
Fluoranthene					10
Fluorene					10
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Indeno(1,2,3-cd)pyrene					5
Isophorone					10
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50

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

* Indicate units if different from µg/L.

Table 11 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
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

* Indicate units if different from µg/L.

Attachment: Click to enter text.

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

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

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

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

Description: Click to enter text.

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

- ☐ Yes ☒ No

Description: Click to enter text.

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

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

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

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

TABLE 13 (HAZARDOUS SUBSTANCES)

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

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

☐ Yes ☒ No

Are there pollutants listed in Item 1.c. of Technical Report 1.0 which are believed present in the discharge and have not been analytically quantified elsewhere in this application?

☐ Yes ☒ No

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

Table 13 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: RECEIVING WATERS

This worksheet **is required** for all TPDES permit applications.

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

a. There is a surface water intake for domestic drinking water supply located within 5 (five) miles downstream from the point/proposed point of discharge.

☐ Yes ☒ No

If **no**, stop here and proceed to Item 2. If **yes**, provide the following information:

1. The legal name of the owner of the drinking water supply intake: Click to enter text.
2. The distance and direction from the outfall to the drinking water supply intake: Click to enter text.

b. Locate and identify the intake on the USGS 7.5-minute topographic map provided for Administrative Report 1.0.

☐ Check this box to confirm the above requested information is provided.

Item 2. Discharge Into Tidally Influenced Waters (Instructions, Page 80)

If the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to Item 3.

a. Width of the receiving water at the outfall: Click to enter text. feet

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

Item 3. Classified Segment (Instructions, Page 80)

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

☐ Yes ☒ No

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

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

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

a. Name of the immediate receiving waters: Unnamed ditch

b. Check the appropriate description of the immediate receiving waters:

☐ Lake or Pond

- Surface area (acres): Click to enter text.
- Average depth of the entire water body (feet): Click to enter text.
- Average depth of water body within a 500-foot radius of the discharge point (feet): Click to enter text.

☒ Man-Made Channel or Ditch

☐ Stream or Creek

☐ Freshwater Swamp or Marsh

☐ Tidal Stream, Bayou, or Marsh

☐ Open Bay

☐ Other, specify:

If **Man–Made Channel or Ditch** or **Stream or Creek** were selected above, provide responses to Items 4.c – 4.g below:

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

For **new discharges**, check the description below that best characterizes the area **downstream** of the discharge.

☐ Intermittent (dry for at least one week during most years)

☐ Intermittent with Perennial Pools (enduring pools containing habitat to maintain aquatic life uses)

☒ Perennial (normally flowing)

Check the source(s) of the information used to characterize the area upstream (existing discharge) or downstream (new discharge):

☐ USGS flow records

☒ personal observation

☐ historical observation by adjacent landowner(s)

☐ other, specify: Click to enter text.

d. List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point: South Main Drain

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

☐ Yes ☒ No

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

f. General observations of the water body during normal dry weather conditions: Constant little stream of about 1 ft. depth; used primarily to dispose of irrigation tail waters and agricultural subsurface drainage systems; periodically cleaned of all vegetation

Date and time of observation: 5/6/2025-11:00 a.m.

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

☐ Yes ☒ No

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

Item 5. General Characteristics of Water Body (Instructions, Page 81)

a. Is the receiving water upstream of the existing discharge or proposed discharge site influenced by any of the following (check all that apply):

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

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

☐ livestock watering
☐ industrial water supply
☐ non-contact recreation
☐ irrigation withdrawal
☐ domestic water supply
☐ navigation
☐ contact recreation
☐ picnic/park activities
☐ fishing
☐ other, specify: Click to enter text.

c. Description which best describes the aesthetics of the receiving water and the surrounding area (check only one):

☐ **Wilderness:** outstanding natural beauty; usually wooded or un-pastured area: water clarity exceptional

☐ **Natural Area:** trees or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ **Common Setting:** not offensive, developed but uncluttered; water may be colored or turbid

☐ **Offensive:** stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

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	0	
SIU – Non-categorical	0	
Other IU	0	

b. In the past three years, has the POTW experienced treatment plant interference?

☐ Yes ☒ No

If **yes**, identify the date(s), duration, nature of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IU(s) that may have caused the interference: Click to enter text.

c. In the past three years, has the POTW experienced pass-through?

☐ Yes ☒ No

If **yes**, identify the date(s), duration, pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass-through event. Include the names of the IU(s) that may have caused the pass-through: Click to enter text.

d. Does the POTW have, or is it required to develop, an approved pretreatment program?

☐ Yes ☒ No

If **yes**, answer all questions in Item 2 and skip Item 3.

If **no**, skip Item 2 and answer all questions in Item 3 for each SIU and CIU.

Item 2. POTWs With Approved Pretreatment Programs or Those Required To Develop A Pretreatment Program (Instructions, Page 86)

a. Have there been any substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ) for approval according to *40 CFR § 403.18*?

☐ Yes ☐ No

If **yes**, include an attachment which identifies all substantial modifications that have not been submitted to the TCEQ and the purpose of the modifications.

Attachment: Click to enter text.

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 **yes**, include an attachment which identifies all non-substantial modifications that have not been submitted to the TCEQ and the purpose of the modification.

Attachment: Click to enter text.

c. List all parameters measured above the MAL in the POTW's effluent monitoring during the last three years:

Effluent Parameters Measured Above the MAL

Pollutant	Concentration	MAL	Units	Date

Attachment: Click to enter text.

d. Has any SIU, CIU, or other IU caused or contributed to any other problems (excluding interference or pass-through) at the POTW in the past three years?

☐ Yes ☐ No

If **yes**, provide a description of each episode, including date(s), duration, description of problems, and probable pollutants. Include the name(s) of the SIU(s)/CIU(s)/other IU(s) that may have caused or contributed to any of the problems: Click to enter text.

Item 3. Significant Industrial User and Categorical Industrial User Information (Instructions, Pages 88–87)

POTWs that **do not** have an approved pretreatment program **are required** to provide the following information for each SIU and CIU:

a. Mr. or Ms.: Click to enter text. First/Last Name: Click to enter text.

Organization Name: Click to enter text. SIC Code: Click to enter text.

Phone number: Click to enter text. Email address: Click to enter text.

Physical Address: Click to enter text. City/State/ZIP Code: Click to enter text.

Attachment: Click to enter text.

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): Click to enter text.

c. Provide a description of the principal products(s) or service(s) performed: Click to enter text.

d. Flow rate information

Flow Rate Information

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

e. Pretreatment Standards

1. Is the SIU or CIU subject to technology-based local limits as defined in the application instructions?

   ☐ Yes ☐ No

2. Is the SIU subject to categorical pretreatment standards?

   ☐ Yes ☐ No

   If **yes**, provide the category 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

f. Has the SIU or CIU caused or contributed to any problem(s) (e.g., interferences, pass through, odors, corrosion, blockages) at the POTW in the past three years?

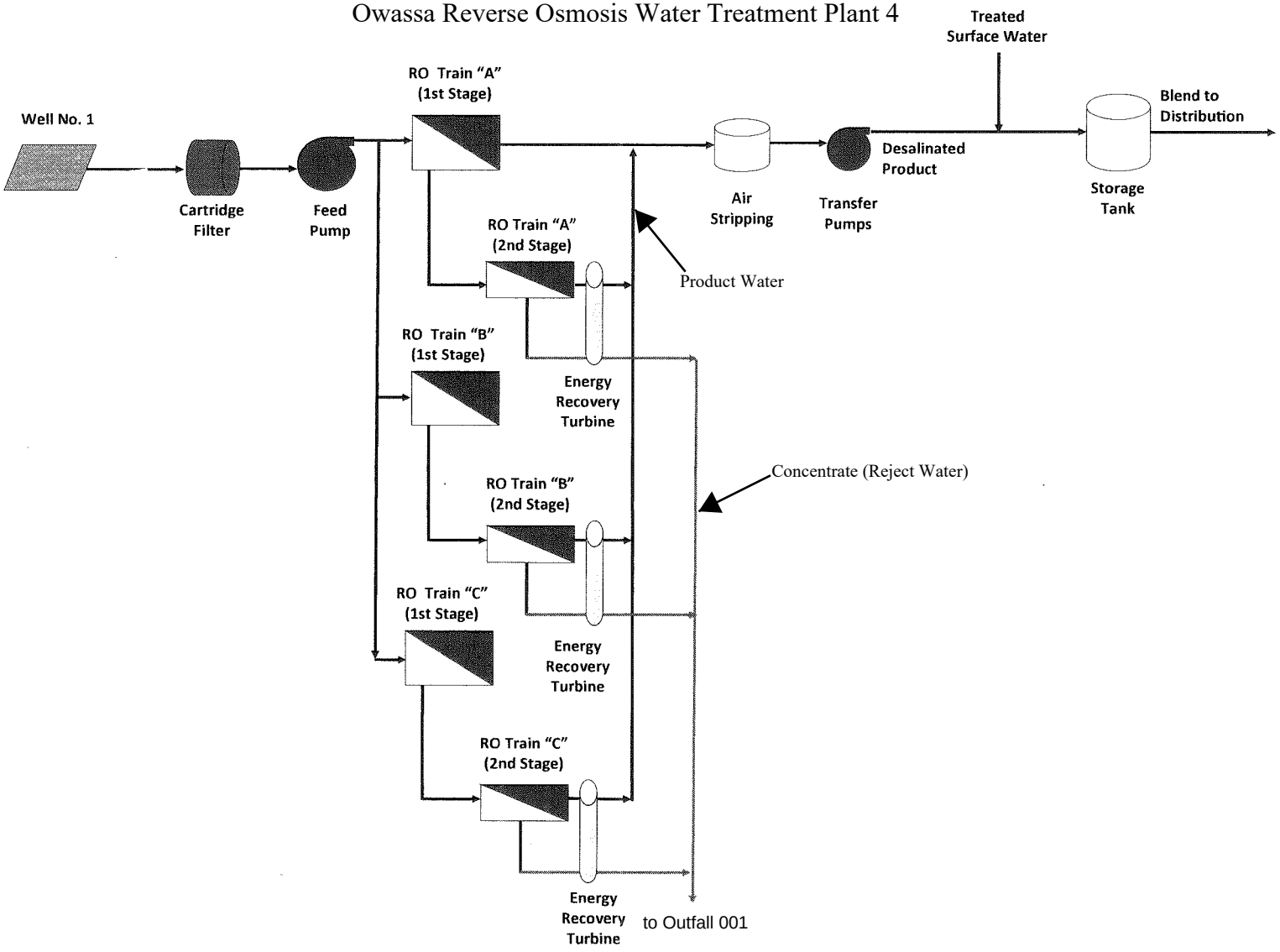
   ☐ Yes ☐ No

   If **yes**, provide a description of each episode, including dates, duration, description of problems, and probable pollutants, and include the name(s) of the SIU(s)/CIU(s) that may have caused or contributed to the problem(s): Click to enter text.

Flow Diagram

North Alamo Water Supply Corporation

Owassa Reverse Osmosis Water Treatment Plant 4



Outfall No. 001 Notes
Permit Number 04789-000
Latitude (Decimal Degrees) 26.240741
Longitude (Decimal Degrees) -98.127875
Horizonal Datum: NAD83
Created in TCEQ GIS Database: 05-18-2020
Source: TCEQ GIS Database 03-29-2025

Source: USDA NAIP Aerial 2022
Flight 03-14-2025
North Alamo Water Supply Corporation GIS Database 2025

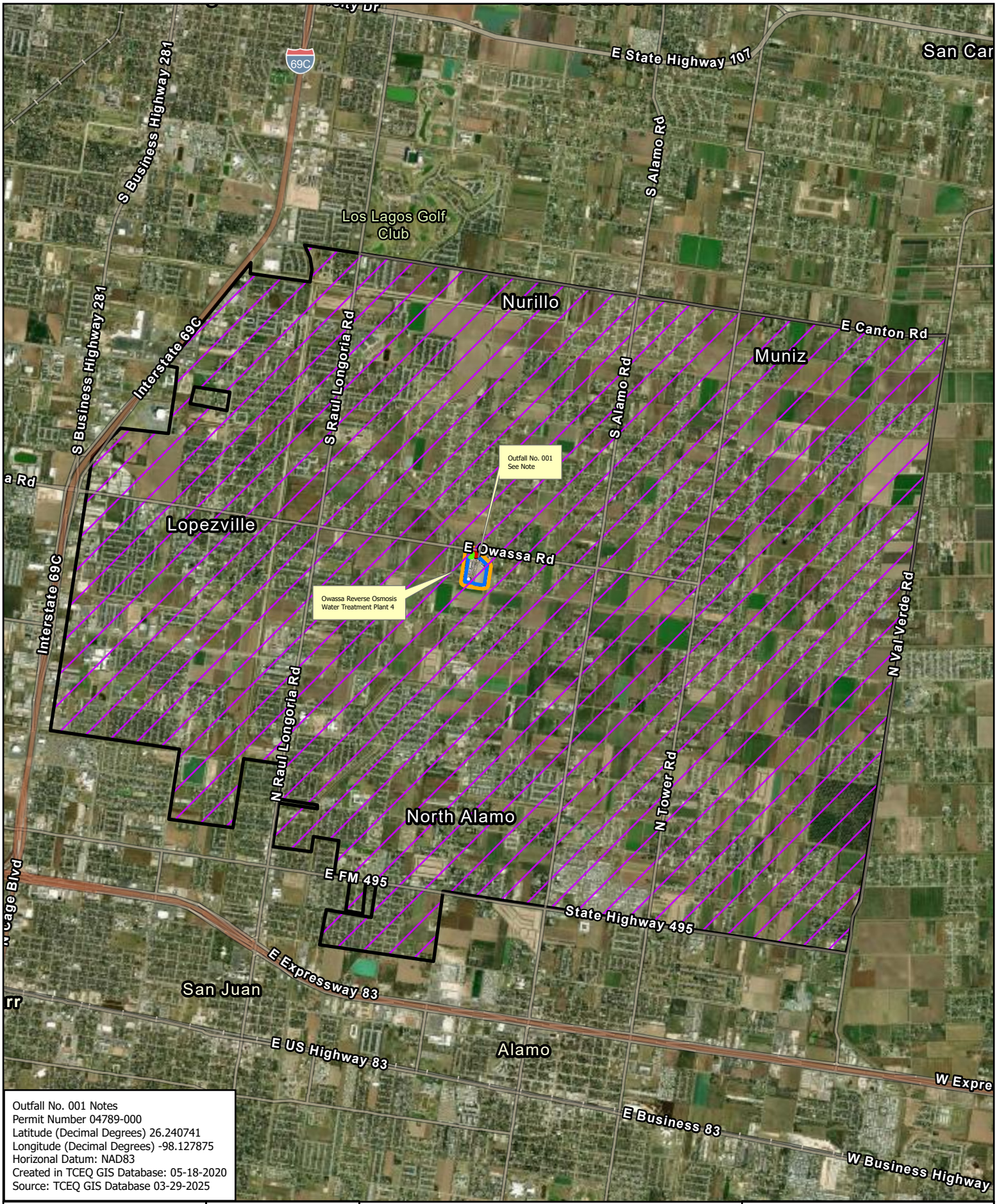
N
W E
S
0 100 200
Feet

North Alamo Water Supply Corporation
Owassa Reverse Osmosis Water Treatment Plant 4
Site Map

Legend

- Owassa Reverse Osmosis Water Treatment Plant 4
- Outfall No. 001
- 150' Buffer
- WTP Boundary

Flight by Jose Salinas III
FAA Certified License
Part 107 Drone Pilot #4955071



Outfall No. 001 Notes
Permit Number 04789-000
Latitude (Decimal Degrees) 26.240741
Longitude (Decimal Degrees) -98.127875
Horizonal Datum: NAD83
Created in TCEQ GIS Database: 05-18-2020
Source: TCEQ GIS Database 03-29-2025

N
W E
S
0 2,375 4,750
Feet

North Alamo Water Supply Corporation
Owassa Reverse Osmosis Water Treatment Plant 4
Service Area Map

Legend

- PUC_CCN_WATER_TSMS
- Owassa Reverse Osmosis Water Treatment Plant 4
- Outfall No. 001
- 150' Buffer
- Service Area
- WTP Boundary

Laboratory Analysis Report

Total Number of Pages: 35

Job ID : 25052156

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Owassa RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:
	Attn:	Roland Zamora	Sample Collected By: Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected: 05/20/25
	City, State, Zip:	Edinburg, Texas, 78539	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Owassa RO Discharge	Water	25052156.01
Field Blank	Water	25052156.02

Released By: Ashley Arnett
Title: Project Manager
Date: 06/02/2025

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2025; Expires: 03/31/2026
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 05/21/2025 10:19

25.1.9990

Report Number: RPT250602104

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25052156

Date: 6/2/2025

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

H3	Sample was received and analyzed past holding time.
J	Estimation. Below calibration range but above MDL.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference. "The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M2	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference."The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M6	Sample concentration high, more than 4X spike concentration. Control limits do not apply."The sample randomly selcted as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M9	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits.
U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 25052156

Date 6/2/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 05/20/25
Time Collected: 09:15
Other Information:

Job Sample ID: 25052156.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1664B										
	Oil & Grease	<1.67	mg/L	1.19	1.67	2.98		U	05/23/25 09:44	NA
SM 2120B	True Color									
	Color	<5	PCU	1	5	5		H3,U	05/21/25 13:50	KL
SM 2320B	Alkalinity									
	Alkalinity	400	mg CaCO3/L	1	3.36	20.0			05/28/25 10:00	AL
SM 2540C	Total Dissolved Solids									
	TDS	2550	mg/L	5.00	17.0	50.0			05/26/25 15:01	AL
SM 2540D	Total Suspended Solids									
	TSS	11.2	mg/L	0.400	1.0	1.0			05/23/25 19:30	AL
EPA 300.0	Anions									
	Fluoride	1.35	mg/L	1.00	0.02	0.100			05/22/25 00:24	KPE
	Chloride	773	mg/L	100.00	1.80	10.0			05/22/25 01:19	KPE
	Bromide	2.49	mg/L	1.00	0.02	0.100			05/22/25 00:24	KPE
	Nitrate-N	0.193	mg/L	1.00	0.01	0.100			05/22/25 00:24	KPE
	Sulfate	718	mg/L	100.00	1.00	10.0			05/22/25 01:19	KPE
SM 4500CN-CG	Cyanide, Amenable Ultra Low									
	Cyanide, Amenable	0.00250	mg/L	1	0.00069	0.00200			05/21/25 14:11	SKC
EPA 350.1										
	Ammonia as N	0.014	mg/L	1.00	0.014	0.100		J	05/22/25 21:26	SKC
SM 3500Cr B										
	Chromium, Hexavalent	<0.0005	mg/L	1	0.0005	0.00100		H3,U	05/21/25 16:51	SS
SM 3500Cr B										
	Chromium, Trivalent[2]	<0.0005	mg/L	1	0.0005	0.00100		U	05/27/25 12:40	SS
EPA 351.2	Total Kjeldahl Nitrogen									
	TKN	0.486	mg/L	1.00	0.02	0.200			05/22/25 01:08	SKC
EPA 351.2/350.3/351.4/350.1										
	Total Organic Nitrogen[1]	0.47	mg/L	1	0.02	0.500		J	05/29/25 17:20	SKC
EPA 353.2	Nitrate+Nitrite Nitrogen by Automated Colorimetry									
	Nitrate/Nitrite as N	0.140	mg/L	1.00	0.007	0.020			05/23/25 14:47	SKC
SM 4500P-E	Phosphorus									
	Phosphorus	0.109	mg/L	1	0.01	0.0500			05/29/25 14:25	KL
SM 4500-S D	Sulfide									

LABORATORY TEST RESULTS

Job ID : 25052156

Date 6/2/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 05/20/25
Time Collected: 09:15
Other Information:

Job Sample ID: 25052156.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 4500-S D	Sulfide									
	Sulfide	<0.01	mg/L	1	0.01	0.0500		U	05/23/25 16:40	AD
SM 4500SO3-B	Reducing Agents, as Sulfite									
	Sulfite	<5.00	mg/L	1	5.00	5.00		H3,U	05/21/25 10:25	AD
SM 5210B	Biochemical Oxygen Demand (BOD5)									
	BOD	<2	mg/L	1	2	2		U	05/21/25 17:00	SP
SM 5210B	Carbonaceous Biochemical Oxygen Demand									
	CBOD	<2	mg/L	1	2			U	05/21/25 20:00	SP
SM 5220D	Chemical Oxygen Demand									
	COD	30.0	mg/L	1	2.4	10.0			05/22/25 11:05	SP
SM 5310B	Total Organic Carbon									
	TOC	6.50	mg/L	1.00	0.61	1.00			05/29/25 12:16	KL
EPA 1631E	CVAFS									
	Mercury	0.73000	ng/L	1	0.042000	0.25000			05/23/25 03:50	YWZ
EPA 200.7	Total Recoverable Metals									
	Boron	0.900	mg/L	1	0.003	0.0100			05/22/25 11:52	YWZ
	Iron	0.150	mg/L	1	0.003	0.0100			05/22/25 15:46	YWZ
	Magnesium	77.9	mg/L	100	0.999	2.00			05/22/25 13:20	YWZ
EPA 200.7	Total Recoverable Metals									
	Tin	<0.01	mg/L	1	0.01	0.01		U	05/22/25 11:52	YWZ
EPA 200.8	Metals by ICP/MS									
	Aluminum	0.584	mg/L	10.00	0.00790	0.0100			05/25/25 23:01	AK
	Antimony	0.00051	mg/L	1.00	0.00013	0.00050			05/23/25 19:24	AK
	Arsenic	0.00495	mg/L	1.00	0.00003	0.00025			05/23/25 19:24	AK
	Barium	0.117	mg/L	1.00	0.00009	0.00050			05/23/25 19:24	AK
	Beryllium	<0.00006	mg/L	1.00	0.00006	0.00025		U	05/23/25 19:24	AK
	Cadmium	<0.00003	mg/L	1.00	0.00003	0.00025		U	05/23/25 19:24	AK
	Chromium	0.00033	mg/L	1.00	0.00013	0.00025			05/23/25 19:24	AK
	Cobalt	0.00047	mg/L	1.00	0.00006	0.00025			05/23/25 19:24	AK
	Copper	0.0216	mg/L	1.00	0.00009	0.00050			05/23/25 19:24	AK
	Lead	0.00034	mg/L	1.00	0.00003	0.00025			05/23/25 19:24	AK
	Manganese	0.0738	mg/L	1.00	0.00006	0.00050			05/23/25 19:24	AK
	Molybdenum	0.0209	mg/L	1.00	0.00009	0.00025			05/23/25 19:24	AK
	Nickel	0.00106	mg/L	1.00	0.00038	0.00025			05/23/25 19:24	AK
	Selenium	0.00705	mg/L	1.00	0.00031	0.00100			05/23/25 19:24	AK

LABORATORY TEST RESULTS

Job ID : 25052156

Date 6/2/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 05/20/25
Time Collected: 09:15
Other Information:

Job Sample ID: 25052156.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 200.8	Metals by ICP/MS									
	Silver	<0.00013	mg/L	1.00	0.00013	0.00050		U	05/23/25 19:24	AK
	Thallium	<0.00006	mg/L	1.00	0.00006	0.00025		U	05/23/25 19:24	AK
	Titanium	0.00150	mg/L	1.00	0.00013	0.00025			05/23/25 19:24	AK
	Zinc	0.00954	mg/L	1.00	0.00047	0.00200			05/23/25 19:24	AK

ab-q212-0321

LABORATORY TEST RESULTS

Job ID : 25052156

Date 6/2/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Field Blank
Date Collected: 05/20/25
Time Collected: 09:35
Other Information:

Job Sample ID: 25052156.02
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS									
	Mercury	0.17600	ng/L	1	0.042000	0.25000		J	05/23/25 03:55	YWZ

ab-q212-0321

[1]-Parameter is not accredited.
[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : **Reducing Agents, as Sulfite** **Method :** **SM 4500SO3-B** **Reporting Units :** **mg/L**

QC Batch ID : Qb250521109 **Created Date :** 05/21/25 **Created By :** ADissanayake

Samples in This QC Batch : 25052156.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Sulfite		< MDL	mg/L	1	5	5		

QC Type: Duplicate

QC Sample ID: 25052156.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Sulfite	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfite	2500	2250.00	90.0	2500	2250.00	90.0	0.0	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : **Method :** **SM 3500Cr B** **Reporting Units : mg/L**

QC Batch ID : Qb250522134 **Created Date :** 05/21/25 **Created By :** SShukla

Samples in This QC Batch : 25052156.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		
Method Blank	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		

QC Type: Duplicate

QC Sample ID: 25052156.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Chromium, Hexavalent	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chromium, Hexavalent	0.02	0.0199	99.5	0.02	0.0199	99.5	0.0	20	86.8-108	

QC Type: MS and MSD

QC Sample ID: 25052156.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium, Hexavalent	BRL	0.02	0.0182	91.0	0.02	0.0182	91.0	0.0	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : True Color **Method : SM 2120B** **Reporting Units : PCU**

QC Batch ID : Qb25052218 **Created Date :** 05/21/25 **Created By :** KLyle

Samples in This QC Batch : 25052156.01

QC Type: Duplicate

QC Sample ID: 25052156.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Color	BRL	BRL	PCU	0	20		

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25052258 **Created Date :** 05/22/25 **Created By :** YWZhang

Samples in This QC Batch : 25052156.01

Digestion : PB25052222 **Prep Method :** EPA 200.7 **Prep Date :** 05/22/25 07:15 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
CCB1	Antimony	7440-36-0	< MDL	mg/L	1	0.01	0.00239	
CCB1	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248	
CCB1	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119	
CCB1	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119	
CCB1	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336	
CCB1	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119	
CCB1	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119	
CCB1	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119	
CCB1	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283	
CCB1	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433	
CCB1	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999	
CCB1	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119	
CCB1	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493	
CCB1	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248	
CCB1	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01	
CCB2	Antimony	7440-36-0	< MDL	mg/L	1	0.01	0.00239	
CCB2	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248	
CCB2	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119	
CCB2	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119	
CCB2	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336	
CCB2	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119	
CCB2	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119	
CCB2	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119	
CCB2	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283	
CCB2	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433	
CCB2	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999	
CCB2	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119	
CCB2	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493	
CCB2	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248	
CCB2	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01	
CCB3	Antimony	7440-36-0	< MDL	mg/L	1	0.01	0.00239	
CCB3	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248	
CCB3	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119	
CCB3	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119	
CCB3	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336	
CCB3	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119	
CCB3	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119	
CCB3	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25052258 **Created Date :** 05/22/25 **Created By :** YWZhang

Samples in This QC Batch : 25052156.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL	Qual
CCB3	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283	
CCB3	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433	
CCB3	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999	
CCB3	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119	
CCB3	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493	
CCB3	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248	
CCB3	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01	
ICB	Antimony	7440-36-0	< MDL	mg/L	1	0.01	0.00239	
ICB	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248	
ICB	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119	
ICB	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119	
ICB	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336	
ICB	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119	
ICB	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119	
ICB	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119	
ICB	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283	
ICB	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433	
ICB	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999	
ICB	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119	
ICB	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493	
ICB	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248	
ICB	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01	
Method Blank	Antimony	7440-36-0	< MDL	mg/L	1	0.01	0.00239	
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248	
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336	
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283	
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433	
Method Blank	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999	
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119	
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493	
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248	
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Total Recoverable Metals **Method : EPA 200.7** **Reporting Units : mg/L**

QC Batch ID : Qb25052258 **Created Date :** 05/22/25 **Created By :** YWZhang

Samples in This QC Batch : 25052156.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Antimony	1	0.993	99.3	1	0.987	98.7	0.6	20	85-115	
Arsenic	1	1.04	104	1	1.03	103	0.6	20	85-115	
Barium	1	1.00	100	1	0.998	99.8	0.6	20	85-115	
Beryllium	1	0.986	98.6	1	0.983	98.3	0.3	20	85-115	
Boron	1	0.998	99.8	1	0.994	99.4	0.4	20	85-115	
Cadmium	1	0.982	98.2	1	0.977	97.7	0.5	20	85-115	
Chromium	1	0.996	99.6	1	0.991	99.1	0.5	20	85-115	
Copper	1	0.998	99.8	1	0.992	99.2	0.6	20	85-115	
Iron	1	0.988	98.8	1	0.985	98.5	0.3	20	85-115	
Lead	1	0.988	98.8	1	0.982	98.2	0.6	20	85-115	
Magnesium	1	0.974	97.4	1	0.965	96.5	0.9	20	85-115	
Nickel	1	0.984	98.4	1	0.979	97.9	0.5	20	85-115	
Selenium	1	1.02	102	1	1.01	101	0.7	20	85-115	
Silver	1	1.00	100	1	0.996	99.6	0.6	20	85-115	
Zinc	1	0.985	98.5	1	0.976	97.6	0.9	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25052156.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Antimony	BRL	1	0.997	99.7						75-125	
Arsenic	BRL	1	1.06	105.6						75-125	
Barium	0.108	1	1.07	96.6						75-125	
Beryllium	BRL	1	0.951	95.1						75-125	
Boron	0.900	1	1.94	104						75-125	
Cadmium	BRL	1	0.891	89.1						75-125	
Chromium	BRL	1	0.939	93.9						75-125	
Copper	0.0210	1	1.03	101						75-125	
Iron	0.485	1	1.07	58.4						75-125	M2
Lead	BRL	1	0.879	87.9						75-125	
Magnesium	77.9	1	73.4	-448.2						75-125	M6
Nickel	BRL	1	0.883	88.3						75-125	
Selenium	BRL	1	1.01	101.5						75-125	
Silver	BRL	1	0.997	99.7						75-125	
Zinc	BRL	1	0.962	96.2						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25052260 **Created Date :** 05/22/25 **Created By :** YWZhang

Samples in This QC Batch : 25052156.01

Digestion : PB25052223 **Prep Method :** EPA 200.7 **Prep Date :** 05/22/25 07:15 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		
CCB2	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		
ICB	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		
Method Blank	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Tin	1	1.00	100	1	0.990	99	1.1	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25052156.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Tin	BRL	1	0.945	94.5						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Total Kjeldahl Nitrogen **Method : EPA 351.2** **Reporting Units : mg/L**

QC Batch ID : Qb25052284 **Created Date :** 05/21/25 **Created By :** Srijan

Samples in This QC Batch : 25052156.01

Sample Preparation : PB25052244 **Prep Method :** EPA 351.2_ **Prep Date :** 05/21/25 18:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TKN		< MDL	mg/L	1.00	0.2	0.02446		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TKN	1	1.03	103	1	1.09	109	5.2	10	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25052086.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	BRL	1	1.05	105	1	1.06	106	0.5	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25052134.05

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	10.8	1	12.3	146	1	12.0	121	2	10	90-110	M6

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : **Chemical Oxygen Demand** **Method :** **SM 5220D** **Reporting Units :** **mg/L**

QC Batch ID : Qb25052297 **Created Date :** 05/22/25 **Created By :** sadeshp

Samples in This QC Batch : 25052156.01

Sample Preparation : PB25052251 **Prep Method :** SM 5220D **Prep Date :** 05/22/25 11:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	COD		< MDL	mg/L	1	10	2.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	301.0	100.3	300	302.0	100.7	0.3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25052204.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	20	400	424.0	101.0	400	420.0	100.0	0.9	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb250523111 **Created Date :** 05/23/25 **Created By :** Abhishek

Samples in This QC Batch : 25052156.01

Digestion : PB25052324 **Prep Method :** EPA 200.8 **Prep Date :** 05/23/25 07:30 **Prep By :** JYou

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.001	0.00079		
Method Blank	Antimony	7440-36-0	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.00025	0.00003		
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.0005	0.00009		
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1	0.00025	0.00006		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.00025	0.00003		
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.00025	0.00006		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.0005	0.00009		
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1	0.025	0.01265		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.00025	0.00003		
Method Blank	Manganese	7439-96-5	< MDL	mg/L	1	0.0005	0.00006		
Method Blank	Molybdenum	7439-98-7	< MDL	mg/L	1	0.00025	0.00009		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.00025	0.00038		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.001	0.00031		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Thallium	7440-28-0	< MDL	mg/L	1	0.00025	0.00006		
Method Blank	Titanium	7440-32-6	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.002	0.00047		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	0.05	0.0551	110	0.05	0.0470	94	15.9	20	85-115	
Antimony	0.05	0.0506	101	0.05	0.0505	101	0.1	20	85-115	
Arsenic	0.05	0.0461	92.3	0.05	0.0451	90.3	2.3	20	85-115	
Barium	0.05	0.0509	102	0.05	0.0501	100	1.5	20	85-115	
Beryllium	0.05	0.0519	104	0.05	0.0472	94.5	9.5	20	85-115	
Cadmium	0.05	0.0510	102	0.05	0.0504	101	1.2	20	85-115	
Chromium	0.05	0.0487	97.5	0.05	0.0476	95.2	2.3	20	85-115	
Cobalt	0.05	0.0498	99.6	0.05	0.0493	98.7	1	20	85-115	
Copper	0.05	0.0474	94.9	0.05	0.0463	92.5	2.4	20	85-115	
Iron	5	5.01	100	5	4.94	98.8	1.5	20	85-115	
Lead	0.05	0.0500	100	0.05	0.0495	99	1.1	20	85-115	
Manganese	0.05	0.0482	96.4	0.05	0.0473	94.5	1.8	20	85-115	
Molybdenum	0.05	0.0473	94.6	0.05	0.0468	93.5	1	20	85-115	
Nickel	0.05	0.0471	94.2	0.05	0.0458	91.7	2.8	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb250523111 **Created Date :** 05/23/25 **Created By :** Abhishek

Samples in This QC Batch : 25052156.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Selenium	0.05	0.0477	95.5	0.05	0.0469	93.8	1.8	20	85-115	
Silver	0.05	0.0521	104	0.05	0.0514	103	1.4	20	85-115	
Thallium	0.05	0.0490	98	0.05	0.0496	99.2	1.3	20	85-115	
Titanium	0.05	0.0492	98.5	0.05	0.0484	96.9	1.7	20	85-115	
Zinc	0.05	0.0469	93.8	0.05	0.0455	91.1	3	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25052090.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0102	0.1	0.0460	35.8						70-130	M2
Antimony	BRL	0.1	0.104	104						70-130	
Arsenic	BRL	0.1	0.0978	97.8						70-130	
Barium	0.0334	0.1	0.133	99.7						70-130	
Beryllium	BRL	0.1	0.0985	98.5						70-130	
Cadmium	BRL	0.1	0.104	104						70-130	
Chromium	BRL	0.1	0.0977	97.7						70-130	
Cobalt	BRL	0.1	0.104	104						70-130	
Copper	0.0302	0.1	0.127	96.3						70-130	
Iron	0.0223	10	10.5	105						70-130	
Lead	BRL	0.1	0.102	101.6						70-130	
Manganese	BRL	0.1	0.100	100.1						70-130	
Molybdenum	0.00174	0.1	0.101	99.7						70-130	
Nickel	BRL	0.1	0.0972	97.2						70-130	
Selenium	BRL	0.1	0.106	105.8						70-130	
Silver	BRL	0.1	0.106	106.3						70-130	
Thallium	BRL	0.1	0.0978	97.8						70-130	
Titanium	BRL	0.1	0.102	102.3						70-130	
Zinc	0.0382	0.1	0.134	96.2						70-130	

QC Type: MS2 and MSD2
QC Sample ID: 25052130.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0157	0.1	0.198	182						70-130	M1
Antimony	BRL	0.1	0.102	102						70-130	
Arsenic	0.00120	0.1	0.0976	96.4						70-130	
Barium	0.0497	0.1	3.46	3411						70-130	M6
Beryllium	BRL	0.1	0.0971	97.1						70-130	
Cadmium	BRL	0.1	0.106	106						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb250523111 **Created Date :** 05/23/25 **Created By :** Abhishek

Samples in This QC Batch : 25052156.01

QC Type: MS2 and MSD2
QC Sample ID: 25052130.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium	BRL	0.1	0.0990	99						70-130	
Cobalt	BRL	0.1	0.107	107						70-130	
Copper	0.00081	0.1	0.0977	96.9						70-130	
Iron	BRL	10	12.3	123						70-130	
Lead	BRL	0.1	0.104	104						70-130	
Manganese	0.00416	0.1	2.99	2984						70-130	M6
Molybdenum	0.00068	0.1	0.103	102						70-130	
Nickel	0.00066	0.1	0.174	173						70-130	M1
Selenium	BRL	0.1	0.0859	85.9						70-130	
Silver	BRL	0.1	0.105	105						70-130	
Thallium	BRL	0.1	0.104	104						70-130	
Titanium	BRL	0.1	0.104	104						70-130	
Zinc	0.417	0.1	0.0988	-318.3170						70-130	M2

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Nitrate+Nitrite Nitrogen by Automated Colorimetry **Method :** EPA 353.2 **Reporting Units :** mg/L

QC Batch ID : Qb250523115 **Created Date :** 05/23/25 **Created By :** Srijan

Samples in This QC Batch : 25052156.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Nitrate/Nitrite as N		< MDL	mg/L	1.00	0.02	0.00647		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Nitrate/Nitrite as N	0.1	0.100	100	0.1	0.103	103	2.6	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25052102.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.0844	0.1	0.149	64.8	0.1	0.153	68.8	2.6	20	90-110	M9

QC Type: MS2 and MSD2
QC Sample ID: 25052156.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.140	0.1	0.231	91	0.1	0.235	95.6	2	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Total Suspended Solids **Method : SM 2540D** **Reporting Units : mg/L**

QC Batch ID : Qb250523125 **Created Date :** 05/23/25 **Created By :** ALassile

Samples in This QC Batch : 25052156.01

Sample Preparation : PB25052378 **Prep Method :** SM 2540D **Prep Date :** 05/23/25 18:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TSS	TSS	< MDL	mg/L	1	2.5	2.5		

QC Type: Duplicate

QC Sample ID: 25052128.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	232	220	mg/L	5.3	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	468	93.6						72-108	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : **Method :** **EPA 1664B** **Reporting Units : mg/L**

QC Batch ID : Qb25052317 **Created Date :** 05/23/25 **Created By :** NAmarasinghe

Samples in This QC Batch : 25052156.01

Sample Preparation : PB25052313 **Prep Method :** EPA 1664B **Prep Date :** 05/23/25 09:15 **Prep By :** NAmarasinghe

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Oil & Grease		< MDL	mg/L	1	2.5	1.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Oil & Grease	40	36.1	90.3	40	35.4	88.5	2	11	78-114	

QC Type: MS and MSD
QC Sample ID: 25052156.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Oil & Grease	BRL	40	41.7	103.9						78-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Sulfide **Method :** SM 4500-S D **Reporting Units :** mg/L

QC Batch ID : Qb25052380 **Created Date :** 05/23/25 **Created By :** ADissanayake

Samples in This QC Batch : 25052156.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		
Method Blank	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfide	0.2	0.195	97.5	0.2	0.198	99.0	1.5	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25052156.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Sulfide	BRL	0.2	0.193	96.5	0.2	0.195	97.5	1	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : **Method :** **EPA 350.1** **Reporting Units : mg/L**

QC Batch ID : Qb25052390 **Created Date :** 05/22/25 **Created By :** Srijan

Samples in This QC Batch : 25052156.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Ammonia as N	NH3-N	< MDL	mg/L	1.00	0.1	0.01385		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	1	0.954	95.4	1	0.971	97.1	1.8	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25052027.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	0.037	1	0.994	99.4	1	0.990	99	0.4	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25052111.02

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	0.879	87.9	1	0.964	96.4	9.2	10	90-110	M9

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : CVAFS **Method : EPA 1631E** **Reporting Units : ng/L**

QC Batch ID : Qb25052399 **Created Date :** 05/23/25 **Created By :** YWZhang

Samples in This QC Batch : 25052156.01,02

Digestion : PB25052355 **Prep Method :** EPA 1631E **Prep Date :** 05/22/25 10:00 **Prep By :** YWZhang

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Blank 2	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Blank 3	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Method Blank	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	5	5.2300	105	5	5.1300	103	1.9	24	77-123	

QC Type: MS and MSD
QC Sample ID: 25051973.03

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	5	5.3800	108	5	5.2000	104	3.4	24	71-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Anions **Method :** EPA 300.0 **Reporting Units :** mg/L

QC Batch ID : Qb25052516 **Created Date :** 05/21/25 **Created By :** KPerera

Samples in This QC Batch : 25052156.01

Sample Preparation : PB25052172 **Prep Method :** EPA 300.0 **Prep Date :** 05/21/25 17:00 **Prep By :** KPerera

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Fluoride	16984-48-8	< MDL	mg/L	1.00	0.1	0.018		
Method Blank	Chloride	16887-00-6	< MDL	mg/L	1.00	0.1	0.018		
Method Blank	Bromide	24959-67-9	< MDL	mg/L	1.00	0.1	0.021		
Method Blank	Nitrate-N	14797-55-8	< MDL	mg/L	1.00	0.1	0.007		
Method Blank	Sulfate	14808-79-8	< MDL	mg/L	1.00	0.1	0.010		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Fluoride	1	0.985	98.5	1	0.954	95.4	3.2	20	90-110	
Chloride	1	1.07	107	1	1.07	107	0.1	20	90-110	
Bromide	1	0.916	91.6	1	0.933	93.3	1.8	20	90-110	
Nitrate-N	1	0.978	97.8	1	0.984	98.4	0.6	20	90-110	
Sulfate	1	0.954	95.4	1	0.942	94.2	1.2	20	90-110	

QC Type: MS and MSD
QC Sample ID: 25052131.03

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Fluoride	2.12	1	3.83	171						80-120	M1
Chloride	51.8	1	54.2	241						80-120	M1
Bromide	0.187	1	2.31	212						80-120	M1
Nitrate-N	2.29	1	4.16	187						80-120	M1
Sulfate	54.0	1	55.1	117						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : **Total Dissolved Solids** **Method :** **SM 2540C** **Reporting Units :** **mg/L**

QC Batch ID : Qb25052619 **Created Date :** 05/26/25 **Created By :** ALassile

Samples in This QC Batch : 25052156.01

Sample Preparation : PB25052611 **Prep Method :** SM 2540C **Prep Date :** 05/26/25 13:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TDS	TDS	< MDL	mg/L	1	10	3.4		

QC Type: Duplicate

QC Sample ID: 25052120.03

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TDS	2210	2140	mg/L	3.2	5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	534	106.8						80-120	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Biochemical Oxygen Demand (BOD5) **Method : SM 5210B** **Reporting Units : mg/L**

QC Batch ID : Qb25052633 **Created Date :** 05/21/25 **Created By :** sadeshp

Samples in This QC Batch : 25052156.01

Sample Preparation : PB25052178 **Prep Method :** SM 5210B **Prep Date :** 05/21/25 17:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	BOD		< MDL	mg/L	1	2	2		

QC Type: Duplicate

QC Sample ID: 25052141.06

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	1582.00	1558.00	mg/L	1.5	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	198	182.00	91.9	198	178.00	89.9	2.2	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Carbonaceous Biochemical Oxygen Demand **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25052642 **Created Date :** 05/21/25 **Created By :** sadeshp

Samples in This QC Batch : 25052156.01

Sample Preparation : PB25052177 **Prep Method :** SM 5210B **Prep Date :** 05/21/25 20:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	CBOD		< MDL	mg/L	1	----	2		

QC Type: Duplicate

QC Sample ID: 25052182.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
CBOD	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
CBOD	198	182.00	91.9	198	178.00	89.9	2.2	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Cyanide, Amenable Ultra Low **Method : SM 4500CN-CG** **Reporting Units : mg/L**

QC Batch ID : Qb250528110 **Created Date :** 05/21/25 **Created By :** Srijan

Samples in This QC Batch : 25052156.01

Sample Preparation : PB25052843 **Prep Method :** SM 4500CN-CG **Prep Date :** 05/21/25 11:30 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Cyanide, Amenable	57-12-5	< MDL	mg/L	1	0.002	0.00069		

QC Type: Duplicate

QC Sample ID: 25052018.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide, Amenable	0.0035	0.003	mg/L	15.4	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide, Amenable	0.01	0.0105	105.0	0.01	0.010	100.0	4.9	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : **Alkalinity** **Method :** **SM 2320B** **Reporting Units :** **mg CaCO3/L**

QC Batch ID : Qb25052964 **Created Date :** 05/29/25 **Created By :** ALassile

Samples in This QC Batch : 25052156.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Alkalinity		< MDL	mg CaCO3/L	1	20	3.36		

QC Type: Duplicate

QC Sample ID: 25052371.05

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Alkalinity	216.3	224.2	mg CaCO3	3.6	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alkalinity	1250	1251.3	100.0	1250	1241.2	99.3	0.8	20	91.7-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Phosphorus **Method : SM 4500P-E** **Reporting Units : mg/L**

QC Batch ID : Qb25052988 **Created Date :** 05/29/25 **Created By :** KLyle

Samples in This QC Batch : 25052156.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Phosphorus	7723-14-0	< MDL	mg/L	1	0.05	0.00612		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phosphorus	0.200	0.203	101.4	0.200	0.206	103.1	1.5	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25052156.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Phosphorus	0.109	0.200	0.308	99.4	0.200	0.322	106.4	4.4	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052156 **Date :** 6/2/2025

Analysis : Total Organic Carbon **Method : SM 5310B** **Reporting Units : mg/L**

QC Batch ID : Qb25052994 **Created Date :** 05/29/25 **Created By :** KLyle

Samples in This QC Batch : 25052156.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TOC	TOC	< MDL	mg/L	1.00	1	0.61		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	9.62	96.2	10	9.26	92.6	3.8	5	89.4-113	

QC Type: MS and MSD
QC Sample ID: 25052123.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	4.99	5	10.3	106	5	10.4	107.2	0.4	10	80-120	

The Chain of Custody is a Legal Document

10100 East Freeway (I-10)

Job ID:25052156

05/21/2025 North Alamo Water Supply ANA

1. REPORT TO:	2. INVOICE-TO:	3. PO # /QT25032001
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other _____
956-651-0400		* Surcharge Applies
Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

5. Project #

6. Project Name / Location: Owassa RO Discharge Permit Renewal

7. Reporting Requirement: ☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo Water Supply — Sampler's Signature & Date: 5/20/25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	18. Comments
								Number of Containers	4 P C	3 VOA H	1 P N	1 P C	1 P S	1 P C	2 G S	1 P OH,X	1 P OH,ZnA	
								14. Containers*											
								15. Preservatives**											
								16. pH-Lab Only											
																			*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr, Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl, Ti,Zn **Metals 200.7** - B,Fe,Mg **Metals_Blist 200.7** - Tin
Owassa RO Discharge	01AC	5/20/25	9:15	X		X		11	X	X	X	X	X	X	X	X	X	*	
Field Blank	02AC	5/20/25	9:35		X	X		3		X									pH 7.67
																			Temp 28.6°C
																			Chlorine 0.05 mg/L
																			DO 6.44 mg/L
																			Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	5-20-25	1055a	1) Freddy		
2) Freddy	5/21/25	10:19	2)	5/21/25	10:19
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

* Containers: VOA- 40 ml vial; A/G- Amber/Glass 1 Liter; 4 oz/8 oz- glass wide mouth; P/O- Plastic/other _____

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 1-3 °C Intact? ☑ Y ☐ N Initials

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 19MAY25
ACTWGT: 20.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**

10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

58GJ4/EA36/59F2

RMA:

FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7917 6891 3780**

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25052156**	Date Received : **05/21/2025**	Time Received : **10:19AM**
Client Name : **North Alamo Water Supply**		
Temperature : **1.3°C**	Sample pH : **<2 NH3, TOC, TON, COD, TKN, P, NO3NO2, Metals >9 S**	
Thermometer ID : **IR7**	pH Paper ID : **127329**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** **Water** ☑ **Soil** ☐ **Liquid** ☐ **Sludge** ☐ **Solid** ☐ **Cassette** ☐ **Tube** ☐ **Bulk** ☐ **Badge** ☐ **Food** ☐ **Other** ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**		X	
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**		X	
16.	**VOA vials completely filled.**		X	
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**			X

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide contains headspace. COC shows 11 containers for Sx01, received 15 containers. ~KS 05/21/25. Color received out of hold.All vials=Headspace. AM 05/21/25

Brought by : FedEx

Received by : KSmith

Check in by/date : KSmith / 05/21/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 15

Job ID : 25052156

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Owassa RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:	
	Attn:	Roland Zamora	Sample Collected By:	Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected:	05/20/25
	City, State, Zip:	Edinburg, Texas, 78539		

Client Sample ID	Matrix	A&B Sample ID
Owassa RO Discharge	Water	25052156.01

This analysis was subcontracted to :
ALS Laboratory Group, 10450 Stancliff Rd, Suite 210
Houston, Texas, 77099-4338

Released By: Ashley Arnett
Title: Project Manager

Date: 06/03/2025

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 05/21/2025 10:19

25.1.37438

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

May 22, 2025

Shantall Carpenter
A & B Labs
10100 East Freeway
Suite 100
Houston, TX 77029

Work Order: **HS25051074**

Laboratory Results for: **25052156**

Dear Shantall Carpenter,

ALS Environmental received 1 sample(s) on May 21, 2025 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
Andy C. Neir

Client: A & B Labs
Project: 25052156
Work Order: HS25051074

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25051074-01	Owassa RO Discharge	Water		20-May-2025 09:15	21-May-2025 17:10	☐

Client: A & B Labs **CASE NARRATIVE**
Project: 25052156
Work Order: HS25051074

WetChemistry by Method SM5540C

Batch ID: 228251

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

Client: A & B Labs
Project: 25052156
Sample ID: Owassa RO Discharge
Collection Date: 20-May-2025 09:15

ANALYTICAL REPORT
WorkOrder:HS25051074
Lab ID:HS25051074-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
SURFACTANTS (MBAS) BY SM5540C		**Method:SM5540C**		Prep:SM5540C / 22-May-2025		Analyst: MH
MBAS	ND		0.0500	mg/L 340 MW LAS	1	22-May-2025 08:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: A & B Labs
Project: 25052156
WorkOrder: HS25051074

Batch ID: 228251 **Start Date:** 22 May 2025 07:20 **End Date:** 22 May 2025 07:20
Method: MBAS - PREPARATION **Prep Code:** MBAS_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25051074-01		400 (mL)	400 (mL)	1	1-L plastic, Neat

Client: A & B Labs
Project: 25052156
WorkOrder: HS25051074

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 228251 (0)	**Test Name :** SURFACTANTS (MBAS) BY SM5540C				**Matrix:** Water	
HS25051074-01	Owassa RO Discharge	20 May 2025 09:15		22 May 2025 07:20	22 May 2025 08:15	1

Client: A & B Labs
Project: 25052156
WorkOrder: HS25051074

QC BATCH REPORT

Batch ID: 228251 (0) **Instrument: UV-2450** **Method: SURFACTANTS (MBAS) BY SM5540C**

MBLK Sample ID: **MBLK-228251** Units: **mg/L 340 MW LAS** Analysis Date: **22-May-2025 08:15**
Client ID: Run ID: **UV-2450_513719** SeqNo: **8848803** PrepDate: **22-May-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	ND	0.0500								

LCS Sample ID: **LCS-228251** Units: **mg/L 340 MW LAS** Analysis Date: **22-May-2025 08:15**
Client ID: Run ID: **UV-2450_513719** SeqNo: **8848801** PrepDate: **22-May-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.497	0.0500	0.5	0	99.4	85 - 115				

LCSD Sample ID: **LCSD-228251** Units: **mg/L 340 MW LAS** Analysis Date: **22-May-2025 08:15**
Client ID: Run ID: **UV-2450_513719** SeqNo: **8848802** PrepDate: **22-May-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.495	0.0500	0.5	0	99.0	85 - 115	0.497	0.403	20	

MS Sample ID: **HS25051074-01MS** Units: **mg/L 340 MW LAS** Analysis Date: **22-May-2025 08:15**
Client ID: **Owassa RO Discharge** Run ID: **UV-2450_513719** SeqNo: **8848800** PrepDate: **22-May-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.515	0.0500	0.5	0.021	98.8	80 - 120				

The following samples were analyzed in this batch: HS25051074-01

Client: A & B Labs
Project: 25052156
WorkOrder: **HS25051074**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	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

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Maryland	343 - 2025	30-Jun-2025
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008	30-Jun-2025
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS25051074 **Date/Time Received:** **21-May-2025 17:10**

Client Name: AB_Labs_Hou **Received by:** **Edgar Zheku**

Completed By: /S/ Kaycee Rogers (eSignature) 21-May-2025 18:41 (Date/Time) **Reviewed by:** /S/ Andy C. Neir (eSignature) 22-May-2025 09:00 (Date/Time)

Matrices: **W** Carrier name: **Client**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	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 ☐	

Temperature(s)/Thermometer(s):	0.2UC/0.2C	IR 34
Cooler(s)/Kit(s):	RED	
Date/Time sample(s) sent to storage:	05/21/2025 1841	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

HS25051074

A & B Labs
25052156

Subcontract Laboratory Chain-of-Custody

A & B Labs	Send To:	Report To:
10100 East Freeway	Company: ALS Environmental	Company: A&B Labs
Suite 100	Address: 10450 Stancliff Rd., Ste. 210	Address: 10100 East Frwy Suite 100
Houston, TX 77029	Houston, TX 77099	Houston, TX 77029
713-453-6060	Contact: Hussam Kelany	Contact: Alisha Hughes/Amanda Shute
713-453-6091 fax	Phone: 281-530-5656	Phone: 713-453-6060 xt 127
info@ablabs.com	Fax: 713-266-0130	Email: reports@ablabs.com
	Email: hussam.kelany@alsglobal.com	CC:

Need Results by:

PO# 55306 / 25052156

Quote:

PLEASE EMAIL INVOICE TO: ACCOUNTSPAYABLE@ABLABS.COM

Special Instructions or Comments:

			Collection					# of Containers	Container Types	P					C
Lab #	Item	Sample ID / Name	Date	Time	Comp	Grab	Matrix			**Surfactants**					Remarks:
25052156.01	1	Owassa RO Discharge	5/20/25	09:15		X	W	1	P	X					
	2														
	3														
	4														
	5	***PLEASE WATCH HOLD TIME***													
	6														
	7														
	8														
	9														
	10														

Bottle Type

Preservatives

Matrix: **WW**-Wastewater **W**-Water **DW**-Drinking Water **S**-Soil **SD**-Solid **L**-Liquid **SL**-Sludge **O**-Oil **A**-Air Bag **Can**-Air Canister **B**-OVM Badge **T**-Tube

Preservatives: **C**-Cool/Ice **H**-HCl **N**-Nitric Acid **S**-Sulfuric Acid **OH**-NaOH **T**-Sodium Thiosulfate **O**- Other (specify)_____

Containers: **VOA**-40 ml vial **A**-amber 1 liter **G**-glass 1 liter **4oz** or **8oz** - 4/8 ounce glass **P**-Plastic

Relinquished By:	Date	Time		Received By:	Date	Time
	5/21/25	1702		05/21/25	17:10	

ab-s004-0309

Red 0.2
IR36 LFO.0

10100 East Freeway (I-10)

Job ID:25052156

05/21/2025 North Alamo Water Supply ANA

1. REPORT TO:	2. INVOICE TO:	3. PO # /QT25032001
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other _____
956-651-0400		* Surcharge Applies
Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

5. Project #

6. Project Name / Location: Owassa RO Discharge Permit Renewal

7. Reporting Requirement: ☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal / North Alamo Water Supply — Sampler's Signature & Date: 5/20/25

Number of Containers	4	3	1	1	1	1	2	1	1				
14. Containers*	P	VOA	P	P	P	P	G	P	P				
15. Preservatives**	C	H	N	C	S	C	S	OH,X	OH,ZnA				
16. pH-Lab Only													

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matri Water	12. Matri Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide		*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	18. Comments
Owassa RO Discharge	01AC	5/20/25	9:15	X		X		11	X	X	X	X	X	X	X	X	X		*	
Field Blank	02AC	5/20/25	9:35		X	X		3		X										pH 7.67
																				Temp 28.6 °C
																				Chlorine 0.05 mg/L
																				DO 6.44 mg/L
																				Sulfite

*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr, Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl, Ti,Zn
Metals 200.7 - B,Fe,Mg
Metals_Blist 200.7 - Tin

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	5-20-25	1055am	1) Fedex		
2) Fedex	5/21/25	10:19	2)	5/21/25	10:19
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

* Containers: VOA- 40 ml vial; A/G- Amber/Glass 1 Liter; 4 oz/8 oz- glass wide mouth; P/O- Plastic/other _____

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 1-3 °C Intact? ☑ Y ☐ N Initials

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 19MAY25
ACTWGT: 20.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**

10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

58GJ4/EA36/59F2

RMA:

FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7917 6891 3780**

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25052156**	Date Received : **05/21/2025**	Time Received : **10:19AM**
Client Name : **North Alamo Water Supply**		
Temperature : **1.3**	Sample pH : **<2 NH3, TOC, TON, COD, TKN, P, NO3NO2, Metals >9 S**	
Thermometer ID : **IR7**	pH Paper ID : **127329**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**		X	
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**		X	
16.	**VOA vials completely filled.**		X	
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**			X

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide contains headspace. COC shows 11 containers for Sx01, received 15 containers. ~KS 05/21/25. Color received out of hold.All vials=Headspace. AM 05/21/25

Brought by : FedEx

Received by : KSmith

Check in by/date : KSmith / 05/21/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 36

Job ID : 25052768

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Owassa RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:
	Attn:	Roland Zamora	Sample Collected By: Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected: 05/28/25
	City, State, Zip:	Edinburg, Texas, 78539	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Owassa RO Discharge	Water	25052768.01
Field Blank	Water	25052768.02

Released By: Ashley Arnett
Title: Project Manager
Date: 06/06/2025

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2025; Expires: 03/31/2026
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 05/29/2025 09:39

25.1.37438

Report Number: RPT250606008

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25052768

Date: 6/6/2025

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

H14	Sample was received with insufficient holding time remaining to process and analyze within hold time.
H3	Sample was received and analyzed past holding time.
J	Estimation. Below calibration range but above MDL.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference.
M2	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference."The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M6	Sample concentration high, more than 4X spike concentration. Control limits do not apply.
M8	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits.
U	Undetected at SDL (Sample Detection Limit).

LABORATORY TEST RESULTS

Job ID : 25052768

Date 6/6/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 05/28/25
Time Collected: 10:00
Other Information:

Job Sample ID: 25052768.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1664B										
	Oil & Grease	<1.65	mg/L	1.18	1.65	2.95		U	05/31/25 09:42	NA
SM 2120B	True Color									
	Color	15	PCU	1	5	5		H14	06/04/25 08:30	KL
SM 2320B	Alkalinity									
	Alkalinity	320	mg CaCO3/L	1	3.36	20.0			06/03/25 12:00	AL
SM 2540C	Total Dissolved Solids									
	TDS	2500	mg/L	5.00	17.0	50.0			05/29/25 19:01	AL
SM 2540D	Total Suspended Solids									
	TSS	21.2	mg/L	0.400	1.0	1.0			05/29/25 21:02	AL
EPA 300.0	Anions									
	Fluoride	1.22	mg/L	1.00	0.02	0.100			05/29/25 23:36	KPE
	Chloride	688	mg/L	100.00	1.80	10.0			05/30/25 00:31	KPE
	Bromide	2.25	mg/L	1.00	0.02	0.100			05/29/25 23:36	KPE
	Nitrate-N	0.222	mg/L	1.00	0.01	0.100			05/29/25 23:36	KPE
	Sulfate	659	mg/L	100.00	1.00	10.0			05/30/25 00:31	KPE
SM 4500CN-CG	Cyanide, Amenable Ultra Low									
	Cyanide, Amenable	0.00500	mg/L	1	0.00069	0.00200			06/04/25 20:11	SKC
EPA 350.1										
	Ammonia as N	0.094	mg/L	1.00	0.014	0.100		J	05/29/25 23:33	SKC
SM 3500Cr B										
	Chromium, Hexavalent	<0.0005	mg/L	1	0.0005	0.00100		U	05/29/25 10:00	SS
SM 3500Cr B										
	Chromium, Trivalent[2]	<0.0005	mg/L	1	0.0005	0.00100		U	05/30/25 10:47	SS
EPA 351.2	Total Kjeldahl Nitrogen									
	TKN	0.704	mg/L	1.00	0.02	0.200			05/29/25 21:06	SKC
EPA 351.2/350.3/351.4/350.1										
	Total Organic Nitrogen[1]	0.610	mg/L	1	0.02	0.500			05/30/25 02:45	SKC
EPA 353.2	Nitrate+Nitrite Nitrogen by Automated Colorimetry									
	Nitrate/Nitrite as N	0.232	mg/L	1.00	0.007	0.020			06/05/25 14:25	SKC
SM 4500P-E	Phosphorus									
	Phosphorus	0.444	mg/L	1	0.01	0.0500			06/03/25 15:40	KL
SM 4500-S D	Sulfide									

ab-q212-0321

LABORATORY TEST RESULTS

Job ID : 25052768

Date 6/6/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 05/28/25
Time Collected: 10:00
Other Information:

Job Sample ID: 25052768.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
SM 4500-S D	Sulfide									
	Sulfide	<0.01	mg/L	1	0.01	0.0500		U	05/29/25 17:30	AD
SM 4500SO3-B	Reducing Agents, as Sulfite									
	Sulfite	<5.00	mg/L	1	5.00	5.00		H3,U	05/29/25 09:40	AD
SM 5210B	Biochemical Oxygen Demand (BOD5)									
	BOD	2.31	mg/L	1	2	2			05/29/25 18:30	SP
SM 5210B	Carbonaceous Biochemical Oxygen Demand									
	CBOD	<2	mg/L	1	2			U	05/30/25 09:00	SP
SM 5220D	Chemical Oxygen Demand									
	COD	32.0	mg/L	1	2.4	10.0			05/30/25 10:05	SP
SM 5310B	Total Organic Carbon									
	TOC	9.12	mg/L	1	0.61	1.00			06/05/25 15:47	KL
EPA 1631E	CVAFS									
	Mercury	3.31	ng/L	1	0.042000	0.25000			06/02/25 12:49	YWZ
EPA 200.7	Total Recoverable Metals									
	Boron	0.940	mg/L	1	0.003	0.0100			05/30/25 12:07	RT
	Iron	0.224	mg/L	1	0.003	0.0100			05/30/25 12:07	RT
	Magnesium	80.6	mg/L	100	0.999	2.00			05/30/25 15:16	RT
EPA 200.7	Total Recoverable Metals									
	Tin	<0.01	mg/L	1	0.01	0.01		U	05/30/25 12:07	RT
EPA 200.8	Metals by ICP/MS									
	Aluminum	0.561	mg/L	10.00	0.00790	0.0100			05/30/25 15:38	AK
	Antimony	0.00068	mg/L	1.00	0.00013	0.00050			05/30/25 14:02	AK
	Arsenic	0.00521	mg/L	1.00	0.00003	0.00025			05/30/25 14:02	AK
	Barium	0.113	mg/L	1.00	0.00009	0.00050			05/30/25 14:02	AK
	Beryllium	<0.00006	mg/L	1.00	0.00006	0.00025		U	05/30/25 14:02	AK
	Cadmium	<0.00003	mg/L	1.00	0.00003	0.00025		U	05/30/25 14:02	AK
	Chromium	0.00031	mg/L	1.00	0.00013	0.00025			05/30/25 14:02	AK
	Cobalt	0.00040	mg/L	1.00	0.00006	0.00025			05/30/25 14:02	AK
	Copper	0.0186	mg/L	1.00	0.00009	0.00050			05/30/25 14:02	AK
	Lead	0.00042	mg/L	1.00	0.00003	0.00025			05/30/25 14:02	AK
	Manganese	0.0732	mg/L	1.00	0.00006	0.00050			05/30/25 14:02	AK
	Molybdenum	0.0194	mg/L	1.00	0.00009	0.00025			05/30/25 14:02	AK
	Nickel	0.00124	mg/L	1.00	0.00038	0.00025			05/30/25 14:02	AK
	Selenium	0.00697	mg/L	1.00	0.00031	0.00100			05/30/25 14:02	AK

LABORATORY TEST RESULTS

Job ID : 25052768

Date 6/6/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 05/28/25
Time Collected: 10:00
Other Information:

Job Sample ID: 25052768.01
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 200.8	Metals by ICP/MS									
	Silver	<0.00013	mg/L	1.00	0.00013	0.00050		U	05/30/25 14:02	AK
	Thallium	0.00007	mg/L	1.00	0.00006	0.00025		J	05/30/25 14:02	AK
	Titanium	0.00224	mg/L	1.00	0.00013	0.00025			05/30/25 14:02	AK
	Zinc	0.00652	mg/L	1.00	0.00047	0.00200			05/30/25 14:02	AK

ab-q212-0321

LABORATORY TEST RESULTS

Job ID : 25052768

Date 6/6/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Field Blank
Date Collected: 05/28/25
Time Collected: 10:00
Other Information:

Job Sample ID: 25052768.02
Sample Matrix Water
% Moisture

Test Method	Parameter/Test Description	Result	Units	DF	SDL	SQL	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS									
	Mercury	0.09820	ng/L	1	0.042000	0.25000		J	06/02/25 12:39	YWZ

ab-q212-0321

[1]-Parameter is not accredited.
[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Sulfide **Method :** SM 4500-S D **Reporting Units :** mg/L

QC Batch ID : Qb250529107 **Created Date :** 05/29/25 **Created By :** ADissanayake

Samples in This QC Batch : 25052768.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		
Method Blank	Sulfide	18496-25-8	< MDL	mg/L	1	0.05	0.013		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfide	0.2	0.201	101.0	0.2	0.205	103.0	2	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25052845.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Sulfide	BRL	0.2	0.201	100.5	0.2	0.199	99.5	1	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Total Dissolved Solids **Method : SM 2540C** **Reporting Units : mg/L**

QC Batch ID : Qb250529115 **Created Date :** 05/29/25 **Created By :** ALassile

Samples in This QC Batch : 25052768.01

Sample Preparation : PB25052953 **Prep Method :** SM 2540C **Prep Date :** 05/29/25 18:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TDS	TDS	< MDL	mg/L	1	10	3.4		

QC Type: Duplicate

QC Sample ID: 25052768.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TDS	2550	2500	mg/L	2	5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	482	96.4						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : **Method :** **SM 3500Cr B** **Reporting Units : mg/L**

QC Batch ID : Qb25052957 **Created Date :** 05/29/25 **Created By :** SShukla

Samples in This QC Batch : 25052768.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
CCB1	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		
Method Blank	Chromium, Hexavalent	18540-29-9	< MDL	mg/L	1	0.001	0.0005		

QC Type: Duplicate

QC Sample ID: 25052768.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Chromium, Hexavalent	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chromium, Hexavalent	0.02	0.0197	98.5	0.02	0.0202	101.0	2.5	20	86.8-108	

QC Type: MS and MSD

QC Sample ID: 25052768.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium, Hexavalent	BRL	0.02	0.0165	82.5	0.02	0.0165	82.5	0.0	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : **Reducing Agents, as Sulfite** **Method :** **SM 4500SO3-B** **Reporting Units :** **mg/L**

QC Batch ID : Qb25052962 **Created Date :** 05/29/25 **Created By :** ADissanayake

Samples in This QC Batch : 25052768.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Sulfite		< MDL	mg/L	1	5	5		

QC Type: Duplicate

QC Sample ID: 25052752.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Sulfite	14.00	14.00	mg/L	0.0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfite	2500	2300.00	92.0	2500	2300.00	92.0	0.0	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Total Kjeldahl Nitrogen **Method : EPA 351.2** **Reporting Units : mg/L**

QC Batch ID : Qb25053008 **Created Date :** 05/29/25 **Created By :** Srijan

Samples in This QC Batch : 25052768.01

Sample Preparation : PB25053007 **Prep Method :** EPA 351.2_ **Prep Date :** 05/29/25 18:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TKN		< MDL	mg/L	1.00	0.2	0.02446		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TKN	1	0.999	99.9	1	1.01	101	1.1	10	90-110	

QC Type: MS and MSD
QC Sample ID: 25052768.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	0.704	1	1.97	126	1	1.91	121	2.9	10	90-110	M8

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : **Method :** **EPA 1664B** **Reporting Units : mg/L**

QC Batch ID : Qb250530117 **Created Date :** 05/30/25 **Created By :** NAmarasinghe

Samples in This QC Batch : 25052768.01

Sample Preparation : PB25053058 **Prep Method :** EPA 1664B **Prep Date :** 05/30/25 16:00 **Prep By :** NAmarasinghe

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Oil & Grease		< MDL	mg/L	1	2.5	1.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Oil & Grease	40	36.5	91.3	40	35.9	89.8	1.7	11	78-114	

QC Type: MS and MSD
QC Sample ID: 25052768.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Oil & Grease	BRL	40	42.7	106.0						78-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : **Method :** **EPA 350.1** **Reporting Units : mg/L**

QC Batch ID : Qb25053012 **Created Date :** 05/29/25 **Created By :** Srijan

Samples in This QC Batch : 25052768.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Ammonia as N	NH3-N	< MDL	mg/L	1.00	0.1	0.01385		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	1	0.983	98.3	1	1.03	103	4.6	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25052768.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	1.14	114.2	1	1.13	112.8	1.2	10	90-110	M1

QC Type: MS2 and MSD2
QC Sample ID: 25052809.02

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	0.998	99.9	1	0.997	99.7	0.2	10	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Total Suspended Solids **Method : SM 2540D** **Reporting Units : mg/L**

QC Batch ID : Qb25053030 **Created Date :** 05/29/25 **Created By :** ALassile

Samples in This QC Batch : 25052768.01

Sample Preparation : PB25052958 **Prep Method :** SM 2540D **Prep Date :** 05/29/25 21:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TSS	TSS	< MDL	mg/L	1	2.5	2.5		

QC Type: Duplicate

QC Sample ID: 25052287.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	54.0	49.0	mg/L	9.7	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	468	93.6						72-108	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Chemical Oxygen Demand **Method : SM 5220D** **Reporting Units : mg/L**

QC Batch ID : Qb25053072 **Created Date :** 05/30/25 **Created By :** sadeshp

Samples in This QC Batch : 25052768.01

Sample Preparation : PB25053035 **Prep Method :** SM 5220D **Prep Date :** 05/30/25 10:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	COD		< MDL	mg/L	1	10	2.4		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	302.0	100.7	300	298.0	99.3	1.3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25052789.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	41.0	400	446.0	101.3	400	440.0	99.8	1.4	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Anions **Method :** EPA 300.0 **Reporting Units :** mg/L

QC Batch ID : Qb25053073 **Created Date :** 05/29/25 **Created By :** KPerera

Samples in This QC Batch : 25052768.01

Sample Preparation : PB25052949 **Prep Method :** EPA 300.0 **Prep Date :** 05/29/25 16:30 **Prep By :** KPerera

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Bromide	24959-67-9	< MDL	mg/L	1.00	0.1	0.03		
Method Blank	Chloride	16887-00-6	< MDL	mg/L	1.00	0.1	0.02		
Method Blank	Fluoride	16984-48-8	< MDL	mg/L	1.00	0.1	0.01		
Method Blank	Nitrate-N	14797-55-8	< MDL	mg/L	1.00	0.1	0.01		
Method Blank	Sulfate	14808-79-8	< MDL	mg/L	1.00	0.1	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Bromide	1	0.927	92.7	1	0.936	93.6	1	20	90-110	
Chloride	1	0.912	91.2	1	0.904	90.4	0.9	20	90-110	
Fluoride	1	1.01	101	1	1.02	102	0.5	20	90-110	
Nitrate-N	1	0.951	95.1	1	0.925	92.5	2.8	20	90-110	
Sulfate	1	0.981	98.1	1	0.910	91	7.5	20	90-110	

QC Type: MS and MSD
QC Sample ID: 25052794.04

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Bromide	BRL	1	1.06	106						80-120	
Chloride	41.0	1	41.9	91.1						80-120	
Fluoride	0.193	1	1.10	91						80-120	
Nitrate-N	0.764	1	1.72	95.3						80-120	
Sulfate	34.5	1	35.0	55.8						80-120	M2

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25053081 **Created Date :** 05/30/25 **Created By :** Rajeev

Samples in This QC Batch : 25052768.01

Digestion : PB25053029 **Prep Method :** EPA 200.7 **Prep Date :** 05/30/25 08:20 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
ICB	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647		
ICB	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248		
ICB	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119		
ICB	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336		
ICB	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119		
ICB	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119		
ICB	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154		
ICB	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119		
ICB	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283		
ICB	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433		
ICB	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999		
ICB	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119		
ICB	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493		
ICB	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248		
ICB	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01		
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.01	0.00647		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.01	0.00248		
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Boron	7440-42-8T	< MDL	mg/L	1	0.01	0.00336		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.01	0.00154		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1	0.01	0.00283		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.01	0.00433		
Method Blank	Magnesium	7439-95-4T	< MDL	mg/L	1	0.02	0.00999		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.01	0.00119		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.01	0.00493		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.01	0.00248		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.01	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	1	1.00	100	1	1.00	100	0.1	20	85-115	
Arsenic	1	1.05	105	1	1.05	105	0.1	20	85-115	
Barium	1	1.01	101	1	1.01	102	0.4	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25053081 **Created Date :** 05/30/25 **Created By :** Rajeev

Samples in This QC Batch : 25052768.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Boron	1	0.999	99.9	1	1.00	100	0.1	20	85-115	
Cadmium	1	0.996	99.6	1	0.998	99.8	0.2	20	85-115	
Chromium	1	1.02	102	1	1.03	103	0.6	20	85-115	
Cobalt	1	1.00	100	1	1.01	101	0.6	20	85-115	
Copper	1	1.02	102	1	1.02	102	0.4	20	85-115	
Iron	1	0.996	99.6	1	0.998	99.8	0.2	20	85-115	
Lead	1	0.990	99	1	0.992	99.2	0.2	20	85-115	
Magnesium	1	0.966	96.6	1	0.968	96.8	0.2	20	85-115	
Nickel	1	0.991	99.1	1	0.994	99.4	0.3	20	85-115	
Selenium	1	1.01	101	1	1.01	101	0.1	20	85-115	
Silver	1	1.00	100	1	1.00	100	0.1	20	85-115	
Zinc	1	1.01	102	1	1.02	102	0.5	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25052768.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.623	1	1.68	106						75-125	
Arsenic	BRL	1	1.11	111						75-125	
Barium	0.112	1	1.12	100						75-125	
Boron	0.940	1	2.01	107						75-125	
Cadmium	BRL	1	0.948	94.8						75-125	
Chromium	BRL	1	1.01	101						75-125	
Cobalt	BRL	1	0.964	96.4						75-125	
Copper	0.0220	1	1.07	105						75-125	
Iron	0.224	1	1.22	99.4						75-125	
Lead	BRL	1	0.924	92.4						75-125	
Magnesium	80.6	1	72.9	-767.1						75-125	M6
Nickel	BRL	1	0.939	93.9						75-125	
Selenium	0.0120	1	1.03	102						75-125	
Silver	BRL	1	1.02	102						75-125	
Zinc	BRL	1	1.03	103						75-125	

QC Type: MS2 and MSD2
QC Sample ID: 25052725.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.105	1	1.13	102						75-125	
Arsenic	0.007	1	1.04	104						75-125	
Barium	0.0110	1	1.04	103						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : **Total Recoverable Metals** **Method :** **EPA 200.7** **Reporting Units :** **mg/L**

QC Batch ID : Qb25053081 **Created Date :** 05/30/25 **Created By :** Rajeev

Samples in This QC Batch : 25052768.01

QC Type: MS2 and MSD2
QC Sample ID: 25052725.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Boron	BRL	1	1.03	102.8						75-125	
Cadmium	BRL	1	1.01	101						75-125	
Chromium	BRL	1	1.04	103.6						75-125	
Cobalt	BRL	1	1.02	102						75-125	
Copper	BRL	1	1.03	103.0						75-125	
Iron	0.0980	1	1.11	101						75-125	
Lead	BRL	1	1.01	101						75-125	
Magnesium	0.221	1	1.23	101						75-125	
Nickel	BRL	1	1.01	101						75-125	
Selenium	0.0130	1	1.04	102						75-125	
Silver	BRL	1	1.01	101						75-125	
Zinc	0.364	1	1.41	104						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25053092 **Created Date :** 05/30/25 **Created By :** Abhishek

Samples in This QC Batch : 25052768.01

Digestion : PB25053037 **Prep Method :** EPA 200.8 **Prep Date :** 05/30/25 08:00 **Prep By :** JYou

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Aluminum	7429-90-5T	< MDL	mg/L	1	0.001	0.00079		
Method Blank	Antimony	7440-36-0	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Arsenic	7440-38-2T	< MDL	mg/L	1	0.00025	0.00003		
Method Blank	Barium	7440-39-3T	< MDL	mg/L	1	0.0005	0.00009		
Method Blank	Beryllium	7440-41-7	< MDL	mg/L	1	0.00025	0.00006		
Method Blank	Cadmium	7440-43-9	< MDL	mg/L	1	0.00025	0.00003		
Method Blank	Chromium	7440-47-3T	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Cobalt	7440-48-4	< MDL	mg/L	1	0.00025	0.00006		
Method Blank	Copper	7440-50-8	< MDL	mg/L	1	0.0005	0.00009		
Method Blank	Iron	7439-89-6T	< MDL	mg/L	1	0.025	0.01265		
Method Blank	Lead	7439-92-1T	< MDL	mg/L	1	0.00025	0.00003		
Method Blank	Manganese	7439-96-5	< MDL	mg/L	1	0.0005	0.00006		
Method Blank	Molybdenum	7439-98-7	< MDL	mg/L	1	0.00025	0.00009		
Method Blank	Nickel	7440-02-0	< MDL	mg/L	1	0.00025	0.00038		
Method Blank	Selenium	7782-49-2	< MDL	mg/L	1	0.001	0.00031		
Method Blank	Silver	7440-22-4	< MDL	mg/L	1	0.0005	0.00013		
Method Blank	Thallium	7440-28-0	< MDL	mg/L	1	0.00025	0.00006		
Method Blank	Titanium	7440-32-6	< MDL	mg/L	1	0.00025	0.00013		
Method Blank	Zinc	7440-66-6T	< MDL	mg/L	1	0.002	0.00047		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	0.05	0.0517	103	0.05	0.0522	104	0.9	20	85-115	
Antimony	0.05	0.0484	96.8	0.05	0.0496	99.2	2.4	20	85-115	
Arsenic	0.05	0.0514	103	0.05	0.0538	108	4.5	20	85-115	
Barium	0.05	0.0494	98.8	0.05	0.0508	102	2.8	20	85-115	
Beryllium	0.05	0.0509	102	0.05	0.0511	102	0.4	20	85-115	
Cadmium	0.05	0.0492	98.4	0.05	0.0507	101	3	20	85-115	
Chromium	0.05	0.0518	104	0.05	0.0523	105	1	20	85-115	
Cobalt	0.05	0.0501	100	0.05	0.0507	101	1.1	20	85-115	
Copper	0.05	0.0513	103	0.05	0.0536	107	4.4	20	85-115	
Iron	5	5.15	103	5	5.20	104	1.1	20	85-115	
Lead	0.05	0.0500	100	0.05	0.0506	101	1.1	20	85-115	
Manganese	0.05	0.0512	102	0.05	0.0524	105	2.3	20	85-115	
Molybdenum	0.05	0.0498	99.6	0.05	0.0518	104	4	20	85-115	
Nickel	0.05	0.0508	102	0.05	0.0533	107	4.8	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Metals by ICP/MS **Method : EPA 200.8** **Reporting Units : mg/L**

QC Batch ID : Qb25053092 **Created Date :** 05/30/25 **Created By :** Abhishek

Samples in This QC Batch : 25052768.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Selenium	0.05	0.0506	101	0.05	0.0529	106	4.4	20	85-115	
Silver	0.05	0.0497	99.3	0.05	0.0510	102	2.7	20	85-115	
Thallium	0.05	0.0504	101	0.05	0.0520	104	3.2	20	85-115	
Titanium	0.05	0.0506	101	0.05	0.0508	102	0.4	20	85-115	
Zinc	0.05	0.0510	102	0.05	0.0520	104	1.9	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25052804.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.00382	0.1	0.105	101						70-130	
Antimony	BRL	0.1	0.107	107						70-130	
Arsenic	0.00187	0.1	0.113	111						70-130	
Barium	0.358	0.1	0.482	124						70-130	
Beryllium	BRL	0.1	0.103	103						70-130	
Cadmium	BRL	0.1	0.105	105						70-130	
Chromium	0.0148	0.1	0.124	110						70-130	
Cobalt	0.00146	0.1	0.105	104						70-130	
Copper	0.00125	0.1	0.110	109						70-130	
Iron	0.247	10	11.2	110						70-130	
Lead	BRL	0.1	0.104	104						70-130	
Manganese	0.0125	0.1	0.121	108						70-130	
Molybdenum	0.00088	0.1	0.108	108						70-130	
Nickel	0.0935	0.1	0.210	117						70-130	
Selenium	0.0125	0.1	0.125	112						70-130	
Silver	BRL	0.1	0.107	107						70-130	
Thallium	BRL	0.1	0.103	103						70-130	
Titanium	BRL	0.1	0.113	113						70-130	
Zinc	0.00343	0.1	0.110	106						70-130	

QC Type: MS2 and MSD2
QC Sample ID: 25052792.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.577	0.1	0.663	86.3						70-130	
Antimony	BRL	0.1	0.104	103.5						70-130	
Arsenic	BRL	0.1	0.107	106.7						70-130	
Barium	0.0559	0.1	0.162	106						70-130	
Beryllium	BRL	0.1	0.104	104						70-130	
Cadmium	BRL	0.1	0.106	106						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : **Metals by ICP/MS** **Method :** **EPA 200.8** **Reporting Units :** **mg/L**

QC Batch ID : Qb25053092 **Created Date :** 05/30/25 **Created By :** Abhishek

Samples in This QC Batch : 25052768.01

QC Type: MS2 and MSD2
QC Sample ID: 25052792.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium	BRL	0.1	0.109	109.1						70-130	
Cobalt	BRL	0.1	0.109	108.7						70-130	
Copper	0.00572	0.1	0.117	111						70-130	
Iron	BRL	10	11.0	110						70-130	
Lead	0.00058	0.1	0.107	106						70-130	
Manganese	0.00879	0.1	0.117	108						70-130	
Molybdenum	BRL	0.1	0.105	104.7						70-130	
Nickel	0.00107	0.1	0.108	106						70-130	
Selenium	BRL	0.1	0.101	101						70-130	
Silver	BRL	0.1	0.107	107						70-130	
Thallium	BRL	0.1	0.104	104						70-130	
Titanium	BRL	0.1	0.109	109.1						70-130	
Zinc	0.0480	0.1	0.158	110						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : CVAFS **Method : EPA 1631E** **Reporting Units : ng/L**

QC Batch ID : Qb25060269 **Created Date :** 06/02/25 **Created By :** YWZhang

Samples in This QC Batch : 25052768.01

Digestion : PB25060225 **Prep Method :** EPA 1631E **Prep Date :** 05/30/25 18:00 **Prep By :** YWZhang

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Blank 2	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Blank 3	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Method Blank	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	5	5.1700	103	5	5.1400	103	0.6	24	77-123	

QC Type: MS and MSD
QC Sample ID: 25052768.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	3.3100	5	8.7000	108	5	7.6200	86.2	13.2	24	71-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : CVAFS **Method : EPA 1631E** **Reporting Units : ng/L**

QC Batch ID : Qb25060270 **Created Date :** 06/02/25 **Created By :** YWZhang

Samples in This QC Batch : 25052768.02

Digestion : PB25060225 **Prep Method :** EPA 1631E **Prep Date :** 05/30/25 18:00 **Prep By :** YWZhang

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Blank 2	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Blank 3	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		
Method Blank	Mercury	7439-97-6T	< MDL	ng/L	1	0.25	0.0419		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	5	5.1700	103	5	5.1400	103	0.6	24	77-123	

QC Type: MS and MSD
QC Sample ID: 25052768.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	5	5.1600	103	5	5.1800	104	0.4	24	71-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Phosphorus **Method : SM 4500P-E** **Reporting Units : mg/L**

QC Batch ID : Qb250603108 **Created Date :** 06/03/25 **Created By :** KLyle

Samples in This QC Batch : 25052768.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Phosphorus	7723-14-0	< MDL	mg/L	1	0.05	0.00612		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phosphorus	0.2	0.207	104.0	0.2	0.217	109.0	4.7	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25052714.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Phosphorus	0.377	0.2	0.581	102.0	0.2	0.605	114.0	4	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Alkalinity **Method : SM 2320B** **Reporting Units : mg CaCO3/L**

QC Batch ID : Qb25060380 **Created Date :** 06/03/25 **Created By :** ALassile

Samples in This QC Batch : 25052768.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Alkalinity		< MDL	mg CaCO3/L	1	20	3.36		

QC Type: Duplicate

QC Sample ID: 25052991.04

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Alkalinity	100.1	104.2	mg CaCO3	4	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alkalinity	1250	1231.2	98.5	1250	1251.2	100.0	1.6	20	91.7-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Biochemical Oxygen Demand (BOD5) **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25060410 **Created Date :** 05/29/25 **Created By :** sadeshp

Samples in This QC Batch : 25052768.01

Sample Preparation : PB25052956 **Prep Method :** SM 5210B **Prep Date :** 05/29/25 18:30 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	BOD		< MDL	mg/L	1	2	2		

QC Type: Duplicate

QC Sample ID: 25052908.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	2.58	2.58	mg/L	0.0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	198	173.00	87.4	198	180.00	90.9	4	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : True Color **Method : SM 2120B** **Reporting Units : PCU**

QC Batch ID : Qb25060415 **Created Date :** 06/04/25 **Created By :** KLyle

Samples in This QC Batch : 25052768.01

QC Type: Duplicate

QC Sample ID: 25052768.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Color	15	15	PCU	0.0	20		

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25060504 **Created Date :** 05/30/25 **Created By :** Rajeev

Samples in This QC Batch : 25052768.01

Digestion : PB25053034 **Prep Method :** EPA 200.7 **Prep Date :** 05/30/25 08:20 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
ICB	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		
Method Blank	Tin	7440-31-5	< MDL	mg/L	1	0.01	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Tin	1	1.03	103	1	1.04	104	0.8	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25052768.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Tin	BRL	1	1.03	103						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : **Cyanide, Amenable Ultra Low** **Method :** **SM 4500CN-CG** **Reporting Units :** **mg/L**

QC Batch ID : Qb250605108 **Created Date :** 06/04/25 **Created By :** Srijan

Samples in This QC Batch : 25052768.01

Sample Preparation : PB25060542 **Prep Method :** SM 4500CN-CG **Prep Date :** 06/04/25 17:40 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Cyanide, Amenable	57-12-5	< MDL	mg/L	1	0.002	0.00069		

QC Type: Duplicate

QC Sample ID: 25052558.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide, Amenable	BRL	0.0015	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide, Amenable	0.01	0.010	100.0	0.01	0.010	100.0	0.0	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Total Organic Carbon **Method : SM 5310B** **Reporting Units : mg/L**

QC Batch ID : Qb250605109 **Created Date :** 06/05/25 **Created By :** KLyle

Samples in This QC Batch : 25052768.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	TOC	TOC	< MDL	mg/L	1	1	0.61		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	9.476	94.8						89.4-113	

QC Type: MS and MSD
QC Sample ID: 25052841.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	15.96	5	20.91	99.0	5	20.33	87.4	2.8	10	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Carbonaceous Biochemical Oxygen Demand **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25060525 **Created Date :** 05/30/25 **Created By :** sadeshp

Samples in This QC Batch : 25052768.01

Sample Preparation : PB25053084 **Prep Method :** SM 5210B **Prep Date :** 05/30/25 09:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	CBOD		< MDL	mg/L	1	----	2		

QC Type: Duplicate

QC Sample ID: 25053006.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
CBOD	2.05	2.08	mg/L	1.5	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
CBOD	198	186.00	93.9	198	183.00	92.4	1.6	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25052768 **Date :** 6/6/2025

Analysis : Nitrate+Nitrite Nitrogen by Automated Colorimetry **Method :** EPA 353.2 **Reporting Units :** mg/L

QC Batch ID : Qb25060595 **Created Date :** 06/05/25 **Created By :** Srijan

Samples in This QC Batch : 25052768.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Method Blank	Nitrate/Nitrite as N		< MDL	mg/L	1.00	0.02	0.00647		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Nitrate/Nitrite as N	0.1	0.0936	93.6	0.1	0.0930	93	0.6	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25052746.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	BRL	0.1	0.105	105	0.1	0.108	108	3	20	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25052888.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.239	0.1	0.332	92.6	0.1	0.344	105	3.8	20	90-110	

Job ID:25052768

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North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other _____
956-651-0400		* Surcharge Applies
Dist-List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

info@ablabs.com
www.ablabs.com

A&B JOB ID

5. Project #

6. Project Name / Location: Owassa RO Discharge Permit Renewal

7. Reporting Requirement
☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo water supply — Sampler's Signature & Date: 5-28-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	18. Comments
								Number of Containers	4 P	3 VOA	1 P	1 P	1 P	1 P	2 G	1 P	1 P	
								14. Containers*											
								15. Preservatives**	C	H	N	C	S	C	S	OH,X	OH,ZnA	
								16. pH-Lab Only											
								*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr,Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl,Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin											
Owassa RO Discharge	01AK	5-28-25	1000	X		X		11	X	X	X	X	X	X	X	X	X	*	
Field Blank	02AC	5-28-25	1000		X	X		3		X							X		pH 7.69
																			Temp 28.2°C
																			Chlorine 0.05 mg/L
																			DO 6.64 mg/L
																			Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	5-28-25	1130	1) Fedex		
2) Fedex	5/29/25	0939	2) Brenda	05-29-25	0939
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

* Containers: VOA- 40 ml vial A/G- Amber/Glass 1 Liter
4 oz/8 oz- glass wide mouth P/O- Plastic/other _____

**Preservatives: C-Cool H- HCl N- HNO3
S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 3.1°C
Intact? ☑ Y ☐ N
Initials BO 1127

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 19MAY25
ACTWGT: 20.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**

10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

RMA:

58GJ4/EA36/69F2

FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7917 6891 5820**

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25052768**	Date Received : **05/29/2025**	Time Received : **9:39AM**
Client Name : **North Alamo Water Supply**		
Temperature : **3.1°C**	Sample pH : **<2 Metals, NH3, TOC, TON, COD, TKN, P, NO3+NO2 >9**	
Thermometer ID : **IR7**	pH Paper ID : **127329**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

Sulfide contains headspace. CN: NaOH+NaAsO2. ~MC 05/29/2025

Brought by : FedEx

Received by : MClotfelter

Check in by/date : MClotfelter / 05/29/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 15

Job ID : 25052768

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Owassa RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:	
	Attn:	Roland Zamora	Sample Collected By:	Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected:	05/28/25
	City, State, Zip:	Edinburg, Texas, 78539		

Client Sample ID	Matrix	A&B Sample ID
Owassa RO Discharge	Water	25052768.01

This analysis was subcontracted to :
ALS Laboratory Group, 10450 Stancliff Rd, Suite 210
Houston, Texas, 77099-4338

Released By: Ashley Arnett
Title: Project Manager
Date: 06/06/2025

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 05/29/2025 09:39

25.1.37438

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

May 30, 2025

Shantall Carpenter
A & B Labs
10100 East Freeway
Suite 100
Houston, TX 77029

Work Order: **HS25051456**

Laboratory Results for: **25052768.01**

Dear Shantall Carpenter,

ALS Environmental received 1 sample(s) on May 29, 2025 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
Andy C. Neir

Client: A & B Labs
Project: 25052768.01
Work Order: HS25051456

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25051456-01	Owassa RO Discharge	Wastewater		28-May-2025 10:00	29-May-2025 15:46	☐

Client: A & B Labs **CASE NARRATIVE**
Project: 25052768.01
Work Order: HS25051456

WetChemistry by Method SM5540C

Batch ID: 228620

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

Client: A & B Labs
Project: 25052768.01
Sample ID: Owassa RO Discharge
Collection Date: 28-May-2025 10:00

ANALYTICAL REPORT
WorkOrder:HS25051456
Lab ID:HS25051456-01
Matrix:Wastewater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
SURFACTANTS (MBAS) BY SM5540C		**Method:SM5540C**		Prep:SM5540C / 30-May-2025		Analyst: MH
MBAS	**0.0650**		**0.0500**	**mg/L 340 MW LAS**	1	30-May-2025 09:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: A & B Labs
Project: 25052768.01
WorkOrder: HS25051456

Batch ID: 228620 **Start Date:** 30 May 2025 08:05 **End Date:** 30 May 2025 08:05
Method: MBAS - PREPARATION **Prep Code:** MBAS_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25051456-01		400 (mL)	400 (mL)	1	1-L plastic, Neat

Client: A & B Labs
Project: 25052768.01
WorkOrder: HS25051456

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 228620 (0)	**Test Name :** SURFACTANTS (MBAS) BY SM5540C				**Matrix:** Wastewater	
HS25051456-01	Owassa RO Discharge	28 May 2025 10:00		30 May 2025 08:05	30 May 2025 09:00	1

Client: A & B Labs
Project: 25052768.01
WorkOrder: HS25051456

QC BATCH REPORT

Batch ID: 228620 (0) **Instrument: UV-2450** **Method: SURFACTANTS (MBAS) BY SM5540C**

MBLK Sample ID: **MBLK-228620** Units: **mg/L 340 MW LAS** Analysis Date: **30-May-2025 09:00**
Client ID: Run ID: **UV-2450_514311** SeqNo: **8865448** PrepDate: **30-May-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	ND	0.0500								

LCS Sample ID: **LCS-228620** Units: **mg/L 340 MW LAS** Analysis Date: **30-May-2025 09:00**
Client ID: Run ID: **UV-2450_514311** SeqNo: **8865446** PrepDate: **30-May-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.494	0.0500	0.5	0	98.8	85 - 115				

LCSD Sample ID: **LCSD-228620** Units: **mg/L 340 MW LAS** Analysis Date: **30-May-2025 09:00**
Client ID: Run ID: **UV-2450_514311** SeqNo: **8865447** PrepDate: **30-May-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.479	0.0500	0.5	0	95.8	85 - 115	0.494	3.08	20	

MS Sample ID: **HS25051456-01MS** Units: **mg/L 340 MW LAS** Analysis Date: **30-May-2025 09:00**
Client ID: **Owassa RO Discharge** Run ID: **UV-2450_514311** SeqNo: **8865445** PrepDate: **30-May-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.551	0.0500	0.5	0.065	97.2	80 - 120				

The following samples were analyzed in this batch: HS25051456-01

Client: A & B Labs
Project: 25052768.01
WorkOrder: **HS25051456**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	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

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Maryland	343 - 2025	30-Jun-2025
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008	30-Jun-2025
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS25051456 **Date/Time Received:** **29-May-2025 15:46**

Client Name: AB_Labs_Hou **Received by:** **Edgar Zheku**

Completed By:	/S/ Paresh M. Giga	29-May-2025 16:01	**Reviewed by:**	/S/ Andy C. Neir	30-May-2025 11:48
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WW** Carrier name: **Client**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:none
Samplers name present on COC?	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 ☐	
Temperature(s)/Thermometer(s):	5.1C U/C	IR36	
Cooler(s)/Kit(s):	Teal		
Date/Time sample(s) sent to storage:	5/29/25 16:10		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

HS25051456

A & B Labs
25052768.01

Subcontract Laboratory Chain-of-Custody

A & B Labs	Send To:	Report To:	
10100 East Freeway	Company: ALS Environmental	Company: A&B Labs	
Suite 100	Address: 10450 Stancliff Rd., Ste. 210	Address: 10100 East Frwy Suite 100	
Houston, TX 77029	Houston, TX 77099	Houston, TX 77029	Need Results by:
713-453-6060	Contact: Hussam Kelany	Contact: Alisha Hughes/Amanda Shute	PO# 55377 / 25052768
713-453-6091 fax	Phone: 281-530-5656	Phone: 713-453-6060 xt 127	Quote:
info@ablabs.com	Fax: 713-266-0130	Email: reports@ablabs.com	P / Bottle Type
	Email: hussam.kelany@alsglobal.com	CC:	C / Preservatives

PLEASE EMAIL INVOICE TO: ACCOUNTSPAYABLE@ABLABS.COM

Special Instructions or Comments:

Lab #	Item	Sample ID / Name	Collection Date	Collection Time	Comp	Grab	Matrix	# of Containers	Container Types	Surfactants					Remarks:
25052768.01	1	Owassa RO Discharge	5/28/25	10:00	X		WW	1	P	X					
	2														
	3														
	4														
	5	**PLEASE WATCH HOLD TIME**													
	6														
	7														
	8														
	9														
	10														

Matrix: **WW**-Wastewater **W**-Water **DW**-Drinking Water **S**-Soil **SD**-Solid **L**-Liquid **SL**-Sludge **O**-Oil **A**-Air Bag **Can**-Air Canister **B**-OVM Badge **T**-Tube
Preservatives: **C**-Cool/Ice **H**-HCl **N**-Nitric Acid **S**-Sulfuric Acid **OH**-NaOH **T**-Sodium Thiosulfate **O**- Other (specify)_____
Containers: **VOA**-40 ml vial **A**-amber 1 liter **G**-glass 1 liter **4oz** or **8oz** - 4/8 ounce glass **P**-Plastic

Relinquished By:	Date	Time		Received By:	Date	Time
	5/29/25	15:45		05/29/25 15:46		

ab-s004-0309

Ical 5.1
IR36 LFO.0

Job ID:25052768

05/29/2025 North Alamo Water Supply ANA

of Custody is a Legal Document

y (I-10)
)

ll Free

1. REPORT TO:	2. INVOICE TO:	3. PO # /QT25032001
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other _____
956-651-0400		* Surcharge Applies
Dist-List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

info@ablabs.com
www.ablabs.com

A&B JOB ID

5. Project #

6. Project Name / Location: Owassa RO Discharge Permit Renewal

7. Reporting Requirement
☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo Water Supply Sampler's Signature & Date: 5-28-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	18. Comments
								Number of Containers	4	3	1	1	1	1	2	1	1		
								14. Containers*	P	VOA	P	P	P	P	G	P	P		
								15. Preservatives**	C	H	N	C	S	C	S	OH,X	OH,ZnA		
								16. pH-Lab Only											
								*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr, Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl, Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin											
Owassa RO Discharge	01AK	5-28-25	1000	X		X		11	X	X	X	X	X	X	X	X	X	*	
Field Blank	02AC	5-28-25	1000		X	X		3		X							X		pH 7.69
																			Temp 28.2°C
																			Chlorine 0.05 mg/L
																			DO 6.64 mg/L
																			Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	5-28-25	1130	1) Fedex		
2) Fedex	5/29/25	0939	2) Brenda	05-29-25	0939
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

* Containers: VOA- 40 ml vial; A/G- Amber/Glass 1 Liter; 4 oz/8 oz- glass wide mouth; P/O- Plastic/other ____

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 3.1°C
Intact? ☑ Y ☐ N
Initials BO IRT

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 19MAY25
ACTWGT: 20.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**

10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

RMA:

58GJA/EA30/69F2

FedEx Express

TRK# 0221 **7917 6891 5820**

RETURNS MON-FRI
PRIORITY OVERNIGHT

77029

TX-US

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Sample Condition Checklist

A&B JobID : **25052768**	Date Received : **05/29/2025**	Time Received : **9:39AM**
Client Name : **North Alamo Water Supply**		
Temperature : **3.1**	Sample pH : **<2 Metals, NH3, TOC, TON, COD, TKN, P, NO3+NO2 >9**	
Thermometer ID : **IR7**	pH Paper ID : **127329**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

Sulfide contains headspace. CN: NaOH+NaAsO2. ~MC 05/29/2025

Brought by : FedEx

Received by : MClotfelter

Check in by/date : MClotfelter / 05/29/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 33

Job ID : 25060505

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Owassa RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:
	Attn:	Roland Zamora	Sample Collected By: Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected: 06/04/25
	City, State, Zip:	Edinburg, Texas, 78539	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Owassa RO Discharge	Water	25060505.01
Field Blank	Water	25060505.02

Released By: Dhamodharan Shanmugam
Title: Reporting Associate
Date: 6/16/2025

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2025; Expires: 03/31/2026
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 06/05/2025 10:18

25.1.20726

Report Number: RPT250616040

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25060505

Date: 6/16/2025

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

H3	Sample was received and analyzed past holding time.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference.
M6	Sample concentration high, more than 4X spike concentration. Control limits do not apply."The sample randomly selcted as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M8	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits.

LABORATORY TEST RESULTS

Job ID : 25060505

Date 6/16/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 06/04/25
Time Collected: 15:00
Other Information:

Job Sample ID: 25060505.01
Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS								
	Mercury	0.58600	ng/L	1	0.5			06/09/25 01:54	YWZ
EPA 1664B									
	Oil & Grease	< 2.73	mg/L	1.09	2.73			06/09/25 09:46	NA
EPA 200.7	Total Recoverable Metals								
	Boron	0.832	mg/L	1	0.01			06/06/25 11:20	RT
	Iron	0.0830	mg/L	1	0.01			06/06/25 11:20	RT
	Magnesium	75.8	mg/L	100	2			06/06/25 14:02	RT
EPA 200.7	Total Recoverable Metals								
	Tin	< 0.01	mg/L	1	0.01			06/06/25 11:20	RT
EPA 200.8	Metals by ICP/MS								
	Aluminum	0.518	mg/L	10.00	0.01			06/09/25 16:12	AK
	Antimony	0.00071	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Arsenic	0.00506	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Barium	0.114	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Beryllium	< 0.0005	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Cadmium	< 0.0005	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Chromium	< 0.0005	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Cobalt	< 0.0005	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Copper	0.0253	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Lead	< 0.0005	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Manganese	0.0573	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Molybdenum	0.0193	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Nickel	0.00134	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Selenium	0.00629	mg/L	1.00	0.001			06/09/25 14:32	AK
	Silver	< 0.0005	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Thallium	< 0.0005	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Titanium	0.00122	mg/L	1.00	0.0005			06/09/25 14:32	AK
	Zinc	0.0493	mg/L	1.00	0.001			06/09/25 14:32	AK
EPA 300.0	Anions								
	Fluoride	1.40	mg/L	1.00	0.1			06/06/25 13:31	KPE
	Chloride	748	mg/L	100.00	10			06/06/25 14:54	KPE
	Bromide	2.51	mg/L	1.00	0.1			06/06/25 13:31	KPE
	Nitrate-N	0.391	mg/L	1.00	0.1			06/06/25 13:31	KPE
	Sulfate	690	mg/L	100.00	10			06/06/25 14:54	KPE
EPA 350.1									
	Ammonia as N	< 0.1	mg/L	1.00	0.1			06/05/25 22:35	SKC

LABORATORY TEST RESULTS

Job ID : 25060505

Date 6/16/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 06/04/25
Time Collected: 15:00
Other Information:

Job Sample ID: 25060505.01
Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 351.2	Total Kjeldahl Nitrogen								
	TKN	1.04	mg/L	1.00	0.2			06/10/25 17:21	SKC
EPA 351.2/350.3/351.4/350.1									
	Total Organic Nitrogen	1.04	mg/L	1	0.5			06/11/25 15:20	SKC
EPA 353.2	Nitrate+Nitrite Nitrogen by Automated Colorimetry								
	Nitrate/Nitrite as N	0.336	mg/L	1.00	0.02			06/11/25 16:31	SKC
SM 2120B	True Color								
	Color	10	PCU	1	5			06/05/25 12:00	SG
SM 2320B	Alkalinity								
	Alkalinity	356.4	mg CaCO3/L	1	20			06/11/25 16:00	DPK
SM 2540C	Total Dissolved Solids								
	TDS	2800	mg/L	5.00	50			06/05/25 18:01	AL
SM 2540D	Total Suspended Solids								
	TSS	10.4	mg/L	0.400	1			06/05/25 19:01	AL
SM 3500Cr B									
	Chromium, Hexavalent	< 0.001	mg/L	1	0.001			06/05/25 12:30	SS
SM 3500Cr B									
	Chromium, Trivalent[2]	< 0.001	mg/L	1	0.001			06/10/25 09:30	SS
SM 4500CN-CG	Cyanide, Amenable Ultra Low								
	Cyanide, Amenable	0.0030	mg/L	1	0.002			06/06/25 17:41	SKC
SM 4500P-E	Phosphorus								
	Phosphorus	0.145	mg/L	1	0.05			06/09/25 07:53	BR
SM 4500-S D	Sulfide								
	Sulfide	< 0.05	mg/L	1	0.05			06/06/25 14:30	AD
SM 4500SO3-B	Reducing Agents, as Sulfite								
	Sulfite	< 5	mg/L	1	5		H3	06/05/25 10:18	AD
SM 5210B	Biochemical Oxygen Demand (BOD5)								
	BOD	2.69	mg/L	1	2			06/05/25 17:30	SP
SM 5210B	Carbonaceous Biochemical Oxygen Demand								
	CBOD	2.66	mg/L	1	2			06/05/25 19:00	SP
SM 5220D	Chemical Oxygen Demand								
	COD	17.0	mg/L	1	10			06/06/25 10:05	SP
SM 5310B	Total Organic Carbon								
	TOC	5.73	mg/L	1	1			06/12/25 09:45	AL

LABORATORY TEST RESULTS

Job ID : 25060505

Date 6/16/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Field Blank
Date Collected: 06/04/25
Time Collected: 15:20
Other Information:

Job Sample ID: 25060505.02
Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS								
	Mercury	< 0.5	ng/L	1	0.5			06/09/25 01:59	YWZ

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Reducing Agents, as Sulfite** **Method :** **SM 4500SO3-B** **Reporting Units :** **mg/L**

QC Batch ID : Qb250605114 **Created Date :** 06/05/25 **Created By :** ADissanayake

Samples in This QC Batch : 25060505.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Sulfite		BRL	mg/L	1	5		

QC Type: Duplicate

QC Sample ID: 25060505.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Sulfite	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfite	2500	2200.00	88.0	2500	2200.00	88.0	0.0	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Total Suspended Solids** **Method :** **SM 2540D** **Reporting Units :** **mg/L**

QC Batch ID : Qb25060614 **Created Date :** 06/05/25 **Created By :** ALassile

Samples in This QC Batch : 25060505.01

Sample Preparation : PB25060551 **Prep Method :** SM 2540D **Prep Date :** 06/05/25 18:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	TSS	TSS	BRL	mg/L	1	2.50		

QC Type: Duplicate

QC Sample ID: 25060495.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	78.0	72	mg/L	8	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	468	93.6						72-108	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Total Dissolved Solids** **Method :** **SM 2540C** **Reporting Units :** **mg/L**

QC Batch ID : Qb25060629 **Created Date :** 06/05/25 **Created By :** ALassile

Samples in This QC Batch : 25060505.01

Sample Preparation : PB25060548 **Prep Method :** SM 2540C **Prep Date :** 06/05/25 18:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	TDS	TDS	BRL	mg/L	1	10		

QC Type: Duplicate

QC Sample ID: 25060505.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TDS	2840	2800	mg/L	1.4	5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	476	95.2						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Method :** **SM 3500Cr B** **Reporting Units :** **mg/L**

QC Batch ID : Qb25060635 **Created Date :** 06/05/25 **Created By :** SShukla

Samples in This QC Batch : 25060505.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
CCB1	Chromium, Hexavalent	18540-29-9	BRL	mg/L	1	0.001		
Method Blank	Chromium, Hexavalent	18540-29-9	BRL	mg/L	1	0.001		

QC Type: Duplicate

QC Sample ID: 25060505.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Chromium, Hexavalent	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chromium, Hexavalent	0.02	0.0204	102.0	0.02	0.0202	101.0	1	20	86.8-108	

QC Type: MS and MSD

QC Sample ID: 25060505.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium, Hexavalent	BRL	0.02	0.0179	89.5	0.02	0.0179	89.5	0.0	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25060643 **Created Date :** 06/06/25 **Created By :** Rajeev

Samples in This QC Batch : 25060505.01

Digestion : PB25060618 **Prep Method :** EPA 200.7 **Prep Date :** 06/06/25 08:15 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
ICB	Aluminum	7429-90-5T	BRL	mg/L	1	0.01		
ICB	Arsenic	7440-38-2T	BRL	mg/L	1	0.01		
ICB	Barium	7440-39-3T	BRL	mg/L	1	0.01		
ICB	Boron	7440-42-8T	BRL	mg/L	1	0.01		
ICB	Cadmium	7440-43-9	BRL	mg/L	1	0.01		
ICB	Chromium	7440-47-3T	BRL	mg/L	1	0.01		
ICB	Copper	7440-50-8	BRL	mg/L	1	0.01		
ICB	Iron	7439-89-6T	BRL	mg/L	1	0.01		
ICB	Lead	7439-92-1T	BRL	mg/L	1	0.01		
ICB	Magnesium	7439-95-4T	BRL	mg/L	1	0.02		
ICB	Manganese	7439-96-5	BRL	mg/L	1	0.01		
ICB	Nickel	7440-02-0	BRL	mg/L	1	0.01		
ICB	Selenium	7782-49-2	BRL	mg/L	1	0.01		
ICB	Silver	7440-22-4	BRL	mg/L	1	0.01		
ICB	Zinc	7440-66-6T	BRL	mg/L	1	0.01		
Method Blank	Aluminum	7429-90-5T	BRL	mg/L	1	0.01		
Method Blank	Arsenic	7440-38-2T	BRL	mg/L	1	0.01		
Method Blank	Barium	7440-39-3T	BRL	mg/L	1	0.01		
Method Blank	Boron	7440-42-8T	BRL	mg/L	1	0.01		
Method Blank	Cadmium	7440-43-9	BRL	mg/L	1	0.01		
Method Blank	Chromium	7440-47-3T	BRL	mg/L	1	0.01		
Method Blank	Copper	7440-50-8	BRL	mg/L	1	0.01		
Method Blank	Iron	7439-89-6T	BRL	mg/L	1	0.01		
Method Blank	Lead	7439-92-1T	BRL	mg/L	1	0.01		
Method Blank	Magnesium	7439-95-4T	BRL	mg/L	1	0.02		
Method Blank	Manganese	7439-96-5	BRL	mg/L	1	0.01		
Method Blank	Nickel	7440-02-0	BRL	mg/L	1	0.01		
Method Blank	Selenium	7782-49-2	BRL	mg/L	1	0.01		
Method Blank	Silver	7440-22-4	BRL	mg/L	1	0.01		
Method Blank	Zinc	7440-66-6T	BRL	mg/L	1	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	1	0.979	97.9	1	0.980	98	0.1	20	85-115	
Arsenic	1	0.982	98.2	1	0.982	98.2	0.0	20	85-115	
Barium	1	0.977	97.7	1	0.977	97.7	0.0	20	85-115	
Boron	1	0.957	95.7	1	0.960	96	0.3	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25060643 **Created Date :** 06/06/25 **Created By :** Rajeev

Samples in This QC Batch : 25060505.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cadmium	1	0.948	94.8	1	0.949	94.9	0.1	20	85-115	
Chromium	1	0.965	96.5	1	0.966	96.6	0.1	20	85-115	
Copper	1	0.995	99.5	1	0.996	99.6	0.1	20	85-115	
Iron	1	0.946	94.6	1	0.948	94.8	0.2	20	85-115	
Lead	1	0.956	95.6	1	0.960	96	0.4	20	85-115	
Magnesium	1	0.954	95.4	1	0.954	95.4	0.0	20	85-115	
Manganese	1	0.941	94.1	1	0.941	94.1	0.0	20	85-115	
Nickel	1	0.953	95.3	1	0.955	95.5	0.2	20	85-115	
Selenium	1	0.984	98.4	1	0.983	98.3	0.1	20	85-115	
Silver	1	0.976	97.6	1	0.975	97.5	0.1	20	85-115	
Zinc	1	0.942	94.2	1	0.944	94.4	0.2	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25060505.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.721	1	2.13	141						75-125	M1
Arsenic	BRL	1	0.934	93.4						75-125	
Barium	0.104	1	1.09	98.9						75-125	
Boron	0.832	1	1.80	97.3						75-125	
Cadmium	BRL	1	0.904	90.4						75-125	
Chromium	BRL	1	0.934	93.4						75-125	
Copper	0.0410	1	1.22	118						75-125	
Iron	0.0830	1	1.01	93						75-125	
Lead	BRL	1	1.03	103						75-125	
Magnesium	75.8	1	81.9	607.1						75-125	M6
Manganese	0.0510	1	0.980	92.9						75-125	
Nickel	BRL	1	0.938	93.8						75-125	
Selenium	BRL	1	0.965	96.5						75-125	
Silver	BRL	1	1.09	109						75-125	
Zinc	0.0460	1	0.967	92.1						75-125	

QC Type: MS2 and MSD2
QC Sample ID: 25060452.02

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.152	1	1.23	108						75-125	
Arsenic	BRL	1	0.943	94.3						75-125	
Barium	0.0760	1	1.04	96.2						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25060643 **Created Date :** 06/06/25 **Created By :** Rajeev

Samples in This QC Batch : 25060505.01

QC Type: MS2 and MSD2
QC Sample ID: 25060452.02

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Boron	0.0610	1	1.00	94.1						75-125	
Cadmium	BRL	1	0.920	92						75-125	
Chromium	BRL	1	0.940	94						75-125	
Copper	BRL	1	1.05	105						75-125	
Iron	BRL	1	0.940	94						75-125	
Lead	BRL	1	0.973	97.3						75-125	
Magnesium	5.21	1	6.06	85.2						75-125	
Manganese	0.0160	1	0.943	92.7						75-125	
Nickel	BRL	1	0.945	94.5						75-125	
Selenium	BRL	1	0.972	97.2						75-125	
Silver	BRL	1	0.997	99.7						75-125	
Zinc	BRL	1	0.931	93.1						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25060644 **Created Date :** 06/06/25 **Created By :** Rajeev

Samples in This QC Batch : 25060505.01

Digestion : PB25060620 **Prep Method :** EPA 200.7 **Prep Date :** 06/06/25 08:15 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
ICB	Tin	7440-31-5	BRL	mg/L	1	0.01		
Method Blank	Tin	7440-31-5	BRL	mg/L	1	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Tin	1	0.964	96.4	1	0.970	97	0.6	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25060505.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Tin	BRL	1	0.962	96.2						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Chemical Oxygen Demand** **Method :** **SM 5220D** **Reporting Units :** **mg/L**

QC Batch ID : Qb25060677 **Created Date :** 06/06/25 **Created By :** sadeshp

Samples in This QC Batch : 25060505.01

Sample Preparation : PB25060634 **Prep Method :** SM 5220D **Prep Date :** 06/06/25 10:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	COD		BRL	mg/L	1	10		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	296.0	98.7	300	298.0	99.3	0.7	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25060542.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	20	400	424.0	101.0	400	418.0	99.5	1.4	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Sulfide** **Method :** **SM 4500-S D** **Reporting Units :** **mg/L**

QC Batch ID : Qb25060685 **Created Date :** 06/06/25 **Created By :** ADissanayake

Samples in This QC Batch : 25060505.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
CCB1	Sulfide	18496-25-8	BRL	mg/L	1	0.05		
Method Blank	Sulfide	18496-25-8	BRL	mg/L	1	0.05		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfide	0.2	0.201	101.0	0.2	0.197	98.5	2	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25060562.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Sulfide	BRL	0.2	0.197	98.5	0.2	0.193	96.5	2.1	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Method :** **EPA 350.1** **Reporting Units :** **mg/L**

QC Batch ID : Qb25060687 **Created Date :** 06/05/25 **Created By :** Srijan

Samples in This QC Batch : 25060505.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Ammonia as N	NH3-N	BRL	mg/L	1.00	0.1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	1	0.962	96.2	1	0.984	98.4	2.3	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25060387.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	0.975	97.5	1	0.995	99.5	2	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25060505.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	1.05	105	1	1.07	107	2.3	10	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Method :** **EPA 1664B** **Reporting Units :** **mg/L**

QC Batch ID : Qb25060910 **Created Date :** 06/09/25 **Created By :** NAmarasinghe

Samples in This QC Batch : 25060505.01

Sample Preparation : PB25060906 **Prep Method :** EPA 1664B **Prep Date :** 06/09/25 09:15 **Prep By :** NAmarasinghe

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Oil & Grease		BRL	mg/L	1	2.50		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Oil & Grease	40	35.4	88.5	40	35.7	89.3	0.8	11	78-114	

QC Type: MS and MSD
QC Sample ID: 25060505.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Oil & Grease	BRL	40	38.5	95.9						78-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Carbonaceous Biochemical Oxygen Demand **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb250609111 **Created Date :** 06/05/25 **Created By :** sadeshp

Samples in This QC Batch : 25060505.01

Sample Preparation : PB25060552 **Prep Method :** SM 5210B **Prep Date :** 06/05/25 19:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	CBOD		BRL	mg/L	1	2		

QC Type: Duplicate

QC Sample ID: 25060505.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
CBOD	2.69	2.66	mg/L	1.1	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
CBOD	198	186.00	93.9	198	179.00	90.4	3.8	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Biochemical Oxygen Demand (BOD5) **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb250609116 **Created Date :** 06/05/25 **Created By :** sadeshp

Samples in This QC Batch : 25060505.01

Sample Preparation : PB25060553 **Prep Method :** SM 5210B **Prep Date :** 06/05/25 17:30 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	BOD		BRL	mg/L	1	2		

QC Type: Duplicate

QC Sample ID: 25060459.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	2.06	2.03	mg/L	1.5	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	198	178.00	89.9	198	181.00	91.4	1.7	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Anions **Method :** EPA 300.0 **Reporting Units :** mg/L

QC Batch ID : Qb25060914 **Created Date :** 06/06/25 **Created By :** KPerera

Samples in This QC Batch : 25060505.01

Sample Preparation : PB25060611 **Prep Method :** EPA 300.0 **Prep Date :** 06/06/25 09:00 **Prep By :** KPerera

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Fluoride	16984-48-8	BRL	mg/L	1.00	0.1		
Method Blank	Chloride	16887-00-6	BRL	mg/L	1.00	0.1		
Method Blank	Bromide	24959-67-9	BRL	mg/L	1.00	0.1		
Method Blank	Nitrate-N	14797-55-8	BRL	mg/L	1.00	0.1		
Method Blank	Sulfate	14808-79-8	BRL	mg/L	1.00	0.1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Fluoride	1	0.987	98.7	1	0.956	95.6	3.2	20	90-110	
Chloride	1	1.01	101	1	1.04	104	3.2	20	90-110	
Bromide	1	0.922	92.3	1	0.908	90.8	1.6	20	90-110	
Nitrate-N	1	0.936	93.6	1	1.01	101	7.6	20	90-110	
Sulfate	1	0.934	93.4	1	0.916	91.6	1.9	20	90-110	

QC Type: MS and MSD
QC Sample ID: 25060534.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Fluoride	0.118	1	1.03	90.7						80-120	
Chloride	606	1	910	30364						80-120	M6
Bromide	1.27	1	2.16	89.1						80-120	
Nitrate-N	BRL	1	0.907	90.7						80-120	
Sulfate	0.205	1	1.1635	95.9						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Phosphorus **Method : SM 4500P-E** **Reporting Units : mg/L**

QC Batch ID : Qb25060939 **Created Date :** 06/09/25 **Created By :** BRose

Samples in This QC Batch : 25060505.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Phosphorus	7723-14-0	BRL	mg/L	1	0.05		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phosphorus	0.200	0.209	104.5	0.200	0.212	106.2	1.4	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25060505.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Phosphorus	0.145	0.200	0.335	95.2	0.200	0.332	93.7	0.9	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : CVAFS **Method :** EPA 1631E **Reporting Units :** ng/L

QC Batch ID : Qb25060953 **Created Date :** 06/09/25 **Created By :** YWZhang

Samples in This QC Batch : 25060505.01,02

Digestion : PB25060927 **Prep Method :** EPA 1631E **Prep Date :** 06/06/25 18:00 **Prep By :** YWZhang

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Blank 2	Mercury	7439-97-6T	BRL	ng/L	1	0.5		
Blank 3	Mercury	7439-97-6T	BRL	ng/L	1	0.5		
Method Blank	Mercury	7439-97-6T	BRL	ng/L	1	0.5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	5	4.7800	95.6	5	4.4600	89.2	6.9	24	77-123	

QC Type: MS and MSD
QC Sample ID: 25060505.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.58600	5	5.1900	92.1	5	5.1300	90.9	1.2	24	71-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25060973 **Created Date :** 06/09/25 **Created By :** Abhishek

Samples in This QC Batch : 25060505.01

Digestion : PB25060917 **Prep Method :** EPA 200.8 **Prep Date :** 06/09/25 09:10 **Prep By :** JYou

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Aluminum	7429-90-5T	BRL	mg/L	1	0.001		
Method Blank	Antimony	7440-36-0	BRL	mg/L	1	0.0005		
Method Blank	Arsenic	7440-38-2T	BRL	mg/L	1	0.0005		
Method Blank	Barium	7440-39-3T	BRL	mg/L	1	0.0005		
Method Blank	Beryllium	7440-41-7	BRL	mg/L	1	0.0005		
Method Blank	Cadmium	7440-43-9	BRL	mg/L	1	0.0005		
Method Blank	Chromium	7440-47-3T	BRL	mg/L	1	0.0005		
Method Blank	Cobalt	7440-48-4	BRL	mg/L	1	0.0005		
Method Blank	Copper	7440-50-8	BRL	mg/L	1	0.0005		
Method Blank	Lead	7439-92-1T	BRL	mg/L	1	0.0005		
Method Blank	Manganese	7439-96-5	BRL	mg/L	1	0.0005		
Method Blank	Molybdenum	7439-98-7	BRL	mg/L	1	0.0005		
Method Blank	Nickel	7440-02-0	BRL	mg/L	1	0.0005		
Method Blank	Selenium	7782-49-2	BRL	mg/L	1	0.001		
Method Blank	Silver	7440-22-4	BRL	mg/L	1	0.0005		
Method Blank	Thallium	7440-28-0	BRL	mg/L	1	0.0005		
Method Blank	Titanium	7440-32-6	BRL	mg/L	1	0.0005		
Method Blank	Zinc	7440-66-6T	BRL	mg/L	1	0.001		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	0.05	0.0478	95.6	0.05	0.0487	97.3	1.8	20	85-115	
Antimony	0.05	0.0490	98.1	0.05	0.0502	100	2.4	20	85-115	
Arsenic	0.05	0.0485	97	0.05	0.0506	101	4.3	20	85-115	
Barium	0.05	0.0500	100	0.05	0.0516	103	3.1	20	85-115	
Beryllium	0.05	0.0495	98.9	0.05	0.0500	100	1.1	20	85-115	
Cadmium	0.05	0.0500	100	0.05	0.0513	103	2.5	20	85-115	
Chromium	0.05	0.0509	102	0.05	0.0511	102	0.5	20	85-115	
Cobalt	0.05	0.0498	99.7	0.05	0.0499	99.8	0.1	20	85-115	
Copper	0.05	0.0484	96.8	0.05	0.0503	101	3.8	20	85-115	
Lead	0.05	0.0498	99.6	0.05	0.0507	101	1.7	20	85-115	
Manganese	0.05	0.0506	101	0.05	0.0508	102	0.4	20	85-115	
Molybdenum	0.05	0.0476	95.2	0.05	0.0493	98.7	3.5	20	85-115	
Nickel	0.05	0.0478	95.6	0.05	0.0492	98.4	2.9	20	85-115	
Selenium	0.05	0.0471	94.2	0.05	0.0487	97.3	3.3	20	85-115	
Silver	0.05	0.0512	102	0.05	0.0524	105	2.3	20	85-115	
Thallium	0.05	0.0511	102	0.05	0.0524	105	2.5	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25060973 **Created Date :** 06/09/25 **Created By :** Abhishek

Samples in This QC Batch : 25060505.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Titanium	0.05	0.0517	103	0.05	0.0511	102	1.2	20	85-115	
Zinc	0.05	0.0477	95.4	0.05	0.0499	99.8	4.5	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25060507.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.775	0.1	0.905	130						70-130	
Antimony	BRL	0.1	0.0939	93.9						70-130	
Arsenic	0.00171	0.1	0.0986	96.8						70-130	
Barium	0.176	0.1	0.284	108						70-130	
Beryllium	BRL	0.1	0.101	101						70-130	
Cadmium	BRL	0.1	0.0998	99.8						70-130	
Chromium	0.00132	0.1	0.102	101						70-130	
Cobalt	0.00111	0.1	0.101	100						70-130	
Copper	0.0166	0.1	0.113	96.2						70-130	
Lead	0.00151	0.1	0.101	99.6						70-130	
Manganese	0.0694	0.1	0.176	107						70-130	
Molybdenum	0.00188	0.1	0.0981	96.3						70-130	
Nickel	0.00209	0.1	0.0983	96.2						70-130	
Selenium	0.00133	0.1	0.0898	88.5						70-130	
Silver	BRL	0.1	0.104	104						70-130	
Thallium	BRL	0.1	0.102	102						70-130	
Titanium	0.00468	0.1	0.0956	91						70-130	
Zinc	0.0497	0.1	0.147	97.7						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Cyanide, Amenable Ultra Low** **Method :** **SM 4500CN-CG** **Reporting Units :** **mg/L**

QC Batch ID : Qb250610110 **Created Date :** 06/06/25 **Created By :** Srijan

Samples in This QC Batch : 25060505.01

Sample Preparation : PB25061051 **Prep Method :** SM 4500CN-CG **Prep Date :** 06/06/25 13:30 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Cyanide, Amenable	57-12-5	BRL	mg/L	1	0.002		

QC Type: Duplicate

QC Sample ID: 25060505.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide, Amenable	0.00275	0.0030	mg/L	8.7	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide, Amenable	0.01	0.0105	105.0	0.01	0.0105	105.0	0.0	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Total Kjeldahl Nitrogen** **Method :** **EPA 351.2** **Reporting Units :** **mg/L**

QC Batch ID : Qb250611104 **Created Date :** 06/10/25 **Created By :** Srijan

Samples in This QC Batch : 25060505.01

Sample Preparation : PB25061140 **Prep Method :** EPA 351.2_ **Prep Date :** 06/10/25 11:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	TKN		BRL	mg/L	1.00	0.2		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TKN	1	0.987	98.7	1	1.01	101	2.3	10	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25060505.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	1.04	1	2.17	113	1	2.18	114	0.7	10	90-110	M8

QC Type: MS2 and MSD2
QC Sample ID: 25060313.06

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	7.55	1	8.90	135	1	8.94	139	0.4	10	90-110	M6

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : Nitrate+Nitrite Nitrogen by Automated Colorimetry **Method :** EPA 353.2 **Reporting Units :** mg/L

QC Batch ID : Qb250611115 **Created Date :** 06/11/25 **Created By :** Srijan

Samples in This QC Batch : 25060505.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Nitrate/Nitrite as N		BRL	mg/L	1.00	0.02		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Nitrate/Nitrite as N	0.1	0.0920	92	0.1	0.0960	96	4.3	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25060258.02

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.156	0.1	0.256	99.9	0.1	0.258	101.5	0.6	20	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25060505.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.336	0.1	0.445	108	0.1	0.443	106	0.4	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Total Organic Carbon** **Method :** **SM 5310B** **Reporting Units :** **mg/L**

QC Batch ID : Qb250612109 **Created Date :** 06/10/25 **Created By :** ALassile

Samples in This QC Batch : 25060505.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	TOC	TOC	BRL	mg/L	1	1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	9.01	90.1						89.4-113	

QC Type: MS and MSD
QC Sample ID: 25060505.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	5.73	5	10.92	103.8	5	10.73	100.0	1.8	10	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : True Color **Method :** SM 2120B **Reporting Units :** PCU

QC Batch ID : Qb25061236 **Created Date :** 06/12/25 **Created By :** Sgarcia

Samples in This QC Batch : 25060505.01

QC Type: Duplicate

QC Sample ID: 25060505.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Color	10	10	PCU	0.0	20		

QUALITY CONTROL CERTIFICATE

Job ID : 25060505 **Date :** 6/16/2025

Analysis : **Alkalinity** **Method :** **SM 2320B** **Reporting Units :** **mg CaCO3/L**

QC Batch ID : Qb25061253 **Created Date :** 06/12/25 **Created By :** DKunwar

Samples in This QC Batch : 25060505.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Alkalinity		BRL	mg CaCO3/L	1	20		

QC Type: Duplicate

QC Sample ID: 25060505.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Alkalinity	354.4	356.4	mg CaCO3	0.6	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alkalinity	1250	1241.2	99.3	1250	1241.2	99.3	0.0	20	91.7-114	

Job ID:25060505

08/05/2025 North Alamo Water Supply ANA

* Custody is a Legal Document

(I-10)

1. REPORT TO:	2. INVOICE TO:	3. PO # /QT25032001
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other _____
956-651-0400		* Surcharge Applies
Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

ree

www.ablabs.com

A&B JOB ID

5. Project #

6. Project Name / Location: Owassa RO Discharge Permit Renewal

7. Reporting Requirement
☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo Water Supply

Sampler's Signature & Date: 6.4.25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	Number of Containers / 14. Containers* / 15. Preservatives** / 16. pH-Lab Only / *Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr,Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl,Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin	18. Comments
								4	3	1	1	1	1	2	1	1				
								P	VOA	P	P	P	P	G	P	P				
								C	H	N	C	S	C	S	OH,X	OH,ZnA				
Owassa RO Discharge	01AO	6.4.25	1500	X		X		15	X	X	X	X	X	X	X	X	X	*		pH 7.69
Field Blank	02AC	6.4.25	1520		X	X		3		X										Temp 31.6 C
																				Chlorine 0.05 mg/L
																				DO 6.57 mg/L
																				Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	6.4.25	1650	1) FedEx		
2) FedEx	6/5/25	1018	2) Kasine	6/5/25	1018
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

* Containers: VOA- 40 ml vial A/G- Amber/Glass 1 Liter
4 oz/8 oz- glass wide mouth P/O- Plastic/other _____

**Preservatives: C-Cool H- HCl N- HNO3
S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 1.6 °C
Intact? ☑ Y ☐ N
Initials LS ERT

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 19MAY25
ACTWGT: 20.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**

10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

58GJ4/EA36/59F2

RMA:

FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7917 6891 7308**

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25060505**	Date Received : **06/05/2025**	Time Received : **10:18AM**
Client Name : **North Alamo Water Supply**		
Temperature : **1.6°C**	Sample pH : **<2 Metals, NH3, TOC, TON, COD, TKN, P, NO3+NO2 >9**	
Thermometer ID : **IR7**	pH Paper ID : **127329**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

Sulfide contains no headspace. CN: NaOH+NaAsO2. ~MC 06/05/2025

Brought by : FedEx

Received by : MClotfelter

Check in by/date : MClotfelter / 06/05/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 14

Job ID : 25060505

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Owassa RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:	
	Attn:	Roland Zamora	Sample Collected By:	Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected:	06/04/25
	City, State, Zip:	Edinburg, Texas, 78539		

Client Sample ID	Matrix	A&B Sample ID
Owassa RO Discharge	Water	25060505.01

This analysis was subcontracted to :
ALS Laboratory Group, 10450 Stancliff Rd, Suite 210
Houston, Texas, 77099-4338

Released By: Ashley Arnett
Title: Project Manager

Date: 07/03/2025

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 06/05/2025 10:18

25.1.10055

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

June 06, 2025

Shantall Carpenter
A & B Labs
10100 East Freeway
Suite 100
Houston, TX 77029

Work Order: **HS25060204**

Laboratory Results for: **Owassa Ro Discharge**

Dear Shantall Carpenter,

ALS Environmental received 1 sample(s) on Jun 05, 2025 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

Generated By: ANDREW.NEIR
Andy C. Neir

Client: A & B Labs
Project: Owassa Ro Discharge
Work Order: HS25060204

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25060204-01	Owassa Ro Discharge	Water		04-Jun-2025 15:00	05-Jun-2025 14:16	☐

Revision:1

Client: A & B Labs **CASE NARRATIVE**
Project: Owassa Ro Discharge
Work Order: HS25060204

Work Order Comments

• Revised final to correct the analytical time.

WetChemistry by Method SM5540C

Batch ID: 228833

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

Client: A & B Labs
Project: Owassa Ro Discharge
Sample ID: Owassa Ro Discharge
Collection Date: 04-Jun-2025 15:00

ANALYTICAL REPORT
WorkOrder:HS25060204
Lab ID:HS25060204-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
SURFACTANTS (MBAS) BY SM5540C		**Method:SM5540C**		Prep:SM5540C / 05-Jun-2025		Analyst: MH
MBAS	ND		0.0500	mg/L 340 MW LAS	1	05-Jun-2025 15:17

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Weight / Prep Log

Client: A & B Labs
Project: Owassa Ro Discharge
WorkOrder: HS25060204

Batch ID: 228833 **Start Date:** 05 Jun 2025 15:17 **End Date:** 05 Jun 2025 15:17
Method: MBAS - PREPARATION **Prep Code:** MBAS_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25060204-01		400 (mL)	400 (mL)	1	1-L plastic, Neat

Revision: 1

Client: A & B Labs
Project: Owassa Ro Discharge
WorkOrder: HS25060204

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 228833 (0)	**Test Name :** SURFACTANTS (MBAS) BY SM5540C				**Matrix:** Water	
HS25060204-01	Owassa Ro Discharge	04 Jun 2025 15:00		05 Jun 2025 15:17	05 Jun 2025 15:17	1

Revision: 1

Client: A & B Labs
Project: Owassa Ro Discharge
WorkOrder: HS25060204

QC BATCH REPORT

Batch ID: 228833 (0) **Instrument: UV-2450** **Method: SURFACTANTS (MBAS) BY SM5540C**

MBLK Sample ID: **MBLK-228833** Units: **mg/L 340 MW LAS** Analysis Date: **05-Jun-2025 08:17**
Client ID: Run ID: **UV-2450_514727** SeqNo: **8875186** PrepDate: **05-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	ND	0.0500								

LCS Sample ID: **LCS-228833** Units: **mg/L 340 MW LAS** Analysis Date: **05-Jun-2025 08:17**
Client ID: Run ID: **UV-2450_514727** SeqNo: **8875184** PrepDate: **05-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.495	0.0500	0.5	0	99.0	85 - 115				

LCSD Sample ID: **LCSD-228833** Units: **mg/L 340 MW LAS** Analysis Date: **05-Jun-2025 08:17**
Client ID: Run ID: **UV-2450_514727** SeqNo: **8875185** PrepDate: **05-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.489	0.0500	0.5	0	97.8	85 - 115	0.495	1.22	20	

MS Sample ID: **HS25060163-01MS** Units: **mg/L 340 MW LAS** Analysis Date: **05-Jun-2025 08:17**
Client ID: Run ID: **UV-2450_514727** SeqNo: **8875183** PrepDate: **05-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.496	0.0500	0.5	0.011	97.0	80 - 120				

The following samples were analyzed in this batch: HS25060204-01

Revision: 1

Client: A & B Labs
Project: Owassa Ro Discharge
WorkOrder: **HS25060204**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	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

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Maryland	343 - 2025	30-Jun-2025
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008	30-Jun-2025
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS25060204 **Date/Time Received:** **05-Jun-2025 14:16**

Client Name: AB_Labs_Hou **Received by:** **Chelsea Rogers**

Completed By: */S/ Chelsea Rogers* 05-Jun-2025 14:31 **Reviewed by:** */S/ Andy C. Neir* 05-Jun-2025 16:55

eSignature Date/Time eSignature Date/Time

Matrices: **W** Carrier name: **Client**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	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 ☐	
Temperature(s)/Thermometer(s):	1.8UC/1.8C	IR 36	
Cooler(s)/Kit(s):	BLUE		
Date/Time sample(s) sent to storage:	06/05/2025 14:31		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Subcontract Laboratory Chain-of-Custody

A & B Labs	**Send To:**	**Report To:**	**Turnaround Time:**
10100 East Freeway	Company: ALS Environmental	Company: A&B Labs	**Standard TAT: X**
Suite 100	Address: 10450 Stancliff Rd., Ste. 210	Address: 10100 East Frwy Suite 100	
Houston, TX 77029	Houston, TX 77099	Houston, TX 77029	**Need Results by:**
713-453-6060	Contact: Hussam Kelany	Contact: Alisha Hughes/Amanda Shute	**PO# 55424 / 25060505**
713-453-6091 fax	Phone: 281-530-5656	Phone: 713-453-6060 xt 127	**Quote:**
info@ablabs.com	Fax: 713-266-0130	Email: reports@ablabs.com	P — **Bottle Type**
	Email: hussam.kelany@alsglobal.com	CC:	C — **Preservatives**

PLEASE EMAIL INVOICE TO: ACCOUNTSPAYABLE@ABLABS.COM

Special Instructions or Comments:

Remarks:

Lab #	Item	Sample ID / Name	Collection Date	Collection Time	Comp	Grab	Matrix	# of Containers	Container Types	Surfactants
25060505.01	**1**	**Owassa Ro Discharge**	**6/4/25**	**15:00**	**X**		**W**	**1**	**P**	X
	2									
	3									
	4									
	5	***PLEASE WATCH HOLD TIME***								
	6									
	7									
	8									
	9									
	10									

HS25060204

A & B Labs
General Pricing

Matrix: **WW**-Wastewater **W**-Water **DW**-Drinking Water **S**-Soil **SD**-Solid **L**-Liquid **SL**-Sludge **O**-Oil **A**-Air Bag **Can**-Air Canister **B**-OVM Badge **T**-Tube
Preservatives: **C**-Cool/Ice **H**-HCl **N**-Nitric Acid **S**-Sulfuric Acid **OH**-NaOH **T**-Sodium Thiosulfate **O**- Other (specify)_____
Containers: **VOA**-40 ml vial **A**-amber 1 liter **G**-glass 1 liter **4oz** or **8oz** - 4/8 ounce glass **P**-Plastic

Relinquished By:	Date	Time		Received By:	Date	Time
	6.5.25	1416		CR 06/05/25 14:15		

IR36 C6.0
Blue 1.8

ab-s004-0309

Job ID:25060505

06/05/2025 North Alamo Water Supply ANA

*Custody is a Legal Document

	1. REPORT TO:	2. INVOICE TO:	3. PO # /QT25032001
(I-10)	North Alamo Water Supply		4. Turnaround Time- Business Days
	420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Free	Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
	Roland Zamora		☐ 3 Days * ☐ Other
	956-651-0400		* Surcharge Applies
www.ablabs.com	Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

A&B JOB ID

5. Project #

6. Project Name / Location: Owassa RO Discharge Permit Renewal

7. Reporting Requirement: ☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo Water Supply Sampler's Signature & Date: 6.4.25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	Number of Containers
									4 P C	3 VOA H	1 P N	1 P C	1 P S	1 P C	2 G S	1 P OH,X	1 P OH,ZnA		14. Containers*
																			15. Preservatives**
																			16. pH-Lab Only
																			*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr, Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl, Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin
Owassa RO Discharge	01AO	6.4.25	1500	X		X		15	X	X	X	X	X	X	X	X	X	*	18. Comments
Field Blank	02AC	6.4.25	1520		X	X		3		X									pH 7.69
																			Temp 31.6 C
																			Chlorine 0.05 mg/L
																			DO 6.57 mg/L
																			Sulfite

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	6.4.25	1650	1) FedEx		
2) FedEx	6/5/25	1018	2) Kasine	6/5/25	1018
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

* Containers: VOA- 40 ml vial A/G- Amber/Glass 1 Liter **Preservatives: C-Cool H- HCl N- HNO3
4 oz/8 oz- glass wide mouth P/O- Plastic/other ____ S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 1.6 °C Intact? ☑ Y ☐ N Initials: LS ERT

BILL OF LADING/TRACKING # METHOD OF SHIPMENT

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 19MAY25
ACTWGT: 20.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**

10100 EAST FWY STE 100

HOUSTON TX 77029
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Sample Condition Checklist

A&B JobID : **25060505**	Date Received : **06/05/2025**	Time Received : **10:18AM**
Client Name : **North Alamo Water Supply**		
Temperature : **1.6**	Sample pH : **<2 Metals, NH3, TOC, TON, COD, TKN, P, NO3+NO2 >9**	
Thermometer ID : **IR7**	pH Paper ID : **127329**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

Sulfide contains no headspace. CN: NaOH+NaAsO2. ~MC 06/05/2025

Brought by : FedEx

Received by : MClotfelter

Check in by/date : MClotfelter / 06/05/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 34

Job ID : 25061311

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Owassa RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:
	Attn:	Roland Zamora	Sample Collected By: Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected: 06/11/25
	City, State, Zip:	Edinburg, Texas, 78539	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Owassa RO Discharge	Water	25061311.01
Field Blank	Water	25061311.02

Released By: Dhamodharan Shanmugam
Title: Reporting Associate
Date: 6/20/2025

This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/01/2025; Expires: 03/31/2026
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 06/12/2025 13:15

25.1.18845

Report Number: RPT250620073

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 25061311

Date: 6/20/2025

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RLU	Relative Light Unit
J	Estimation. Below calibration range but above MDL	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
LOD	Limit of detection adjusted for %M + DF	SQL	Sample Quantitation Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit
MQL	Unadjusted Minimum Quantitation Limit		

Qualifier Definition

H1	Sample analysis performed past holding time.
H3	Sample was received and analyzed past holding time.
M1	Matrix Spike and/or Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference. "The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M2	Matrix Spike and/or Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference."The sample randomly selected as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."
M6	Sample concentration high, more than 4X spike concentration. Control limits do not apply.

LABORATORY TEST RESULTS

Job ID : 25061311

Date 6/20/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 06/11/25
Time Collected: 15:00
Other Information:

Job Sample ID: 25061311.01
Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS								
	Mercury	0.933	ng/L	1	0.5			06/16/25 02:06	YWZ
EPA 1664B									
	Oil & Grease	< 2.70	mg/L	1.08	2.70			06/14/25 11:17	NA
EPA 200.7	Total Recoverable Metals								
	Boron	1.05	mg/L	1	0.01			06/13/25 10:50	RT
	Iron	0.254	mg/L	1	0.01			06/13/25 10:50	RT
	Magnesium	85.5	mg/L	100	2			06/13/25 17:18	RT
EPA 200.7	Total Recoverable Metals								
	Tin	< 0.01	mg/L	1	0.01			06/13/25 10:50	RT
EPA 200.8	Metals by ICP/MS								
	Aluminum	0.602	mg/L	10.00	0.01			06/13/25 15:02	AK
	Antimony	0.00071	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Arsenic	0.00558	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Barium	0.114	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Beryllium	< 0.0005	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Cadmium	< 0.0005	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Chromium	0.00059	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Cobalt	< 0.0005	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Copper	0.240	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Lead	< 0.0005	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Manganese	0.0604	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Molybdenum	0.0191	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Nickel	0.00138	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Selenium	0.00686	mg/L	1.00	0.001			06/13/25 13:03	AK
	Silver	< 0.0005	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Thallium	< 0.0005	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Titanium	0.00272	mg/L	1.00	0.0005			06/13/25 13:03	AK
	Zinc	0.00537	mg/L	1.00	0.001			06/13/25 13:03	AK
EPA 300.0	Anions								
	Fluoride	1.56	mg/L	1.00	0.1			06/12/25 20:42	KPE
	Chloride	870	mg/L	100.00	10			06/12/25 21:37	KPE
	Bromide	2.64	mg/L	1.00	0.1			06/12/25 20:42	KPE
	Nitrate-N	0.404	mg/L	1.00	0.1			06/12/25 20:42	KPE
	Sulfate	836	mg/L	100.00	10			06/12/25 21:37	KPE
EPA 350.1									
	Ammonia as N	< 0.1	mg/L	1.00	0.1			06/13/25 00:24	SKC

LABORATORY TEST RESULTS

Job ID : 25061311

Date 6/20/2025

Client Name: North Alamo Water Supply Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Owassa RO Discharge
Date Collected: 06/11/25
Time Collected: 15:00
Other Information:

Job Sample ID: 25061311.01
Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 351.2	Total Kjeldahl Nitrogen								
	TKN	0.837	mg/L	1.00	0.2			06/13/25 15:10	SKC
EPA 351.2/350.3/351.4/350.1									
	Total Organic Nitrogen	0.837	mg/L	1	0.5			06/19/25 15:30	SKC
EPA 353.2	Nitrate+Nitrite Nitrogen by Automated Colorimetry								
	Nitrate/Nitrite as N	0.364	mg/L	1.00	0.02			06/17/25 15:55	SKC
SM 2120B	True Color								
	Color	10	PCU	1	5		H1	06/13/25 13:15	KL
SM 2320B	Alkalinity								
	Alkalinity	372.4	mg CaCO3/L	1	20			06/19/25 10:00	DPK
SM 2540C	Total Dissolved Solids								
	TDS	3040	mg/L	5.00	50			06/13/25 18:00	AL
SM 2540D	Total Suspended Solids								
	TSS	13.6	mg/L	0.400	1			06/12/25 18:01	AL
SM 3500Cr B									
	Chromium, Hexavalent	< 0.001	mg/L	1	0.001			06/12/25 13:30	SS
SM 3500Cr B									
	Chromium, Trivalent[2]	< 0.001	mg/L	1	0.001			06/17/25 16:25	SS
SM 4500CN-CG	Cyanide, Amenable Ultra Low								
	Cyanide, Amenable	< 0.002	mg/L	1	0.002			06/17/25 12:41	SKC
SM 4500P-E	Phosphorus								
	Phosphorus	0.478	mg/L	1	0.05			06/17/25 08:53	KL
SM 4500-S D	Sulfide								
	Sulfide	< 0.05	mg/L	1	0.05			06/12/25 19:30	AD
SM 4500SO3-B	Reducing Agents, as Sulfite								
	Sulfite	< 5	mg/L	1	5		H3	06/12/25 13:15	AD
SM 5210B	Biochemical Oxygen Demand (BOD5)								
	BOD	< 2	mg/L	1	2			06/13/25 14:30	SP
SM 5210B	Carbonaceous Biochemical Oxygen Demand								
	CBOD	< 2	mg/L	1	2			06/13/25 13:00	SP
SM 5220D	Chemical Oxygen Demand								
	COD	31.0	mg/L	1	10			06/13/25 10:05	SP
SM 5310B	Total Organic Carbon								
	TOC	4.32	mg/L	1.00	1			06/19/25 12:27	KL

LABORATORY TEST RESULTS

Job ID : 25061311

Date 6/20/2025

Client Name: North Alamo Water Supply

Attn: Roland Zamora

Project Name: Owassa RO Discharge Permit Renewal

Client Sample ID: Field Blank
Date Collected: 06/11/25
Time Collected: 15:20
Other Information:

Job Sample ID: 25061311.02
Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 1631E	CVAFS								
	Mercury	< 0.5	ng/L	1	0.5			06/16/25 02:11	YWZ

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : **Reducing Agents, as Sulfite** **Method :** **SM 4500SO3-B** **Reporting Units :** **mg/L**

QC Batch ID : Qb250612110 **Created Date :** 06/12/25 **Created By :** ADissanayake

Samples in This QC Batch : 25061311.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Sulfite		BRL	mg/L	1	5		

QC Type: Duplicate

QC Sample ID: 25061311.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Sulfite	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfite	2500	2300.00	92.0	2500	2300.00	92.0	0.0	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : **Sulfide** **Method :** **SM 4500-S D** **Reporting Units :** **mg/L**

QC Batch ID : Qb250612131 **Created Date :** 06/12/25 **Created By :** ADissanayake

Samples in This QC Batch : 25061311.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
CCB1	Sulfide	18496-25-8	BRL	mg/L	1	0.05		
Method Blank	Sulfide	18496-25-8	BRL	mg/L	1	0.05		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Sulfide	0.2	0.196	98.0	0.2	0.202	101.0	3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25061325.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Sulfide	0.157	0.2	0.356	99.5	0.2	0.359	101.0	0.8	20	70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : **Method :** **EPA 1664B** **Reporting Units :** **mg/L**

QC Batch ID : Qb250613103 **Created Date :** 06/13/25 **Created By :** NAmarasinghe

Samples in This QC Batch : 25061311.01

Sample Preparation : PB25061346 **Prep Method :** EPA 1664B **Prep Date :** 06/13/25 16:30 **Prep By :** NAmarasinghe

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Oil & Grease		BRL	mg/L	1	2.50		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Oil & Grease	40	35.8	89.5	40	36.6	91.5	2.2	11	78-114	

QC Type: MS and MSD
QC Sample ID: 25061292.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Oil & Grease	BRL	40	42.0	102.6						78-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : **Total Dissolved Solids** **Method :** **SM 2540C** **Reporting Units :** **mg/L**

QC Batch ID : Qb250613108 **Created Date :** 06/13/25 **Created By :** ALassile

Samples in This QC Batch : 25061311.01

Sample Preparation : PB25061348 **Prep Method :** SM 2540C **Prep Date :** 06/13/25 17:40 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	TDS	TDS	BRL	mg/L	1	10		

QC Type: Duplicate

QC Sample ID: 25061259.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TDS	1520	1560	mg/L	2.6	5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	520	104.0						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : **Total Suspended Solids** **Method :** **SM 2540D** **Reporting Units :** **mg/L**

QC Batch ID : Qb25061337 **Created Date :** 06/12/25 **Created By :** ALassile

Samples in This QC Batch : 25061311.01

Sample Preparation : PB25061266 **Prep Method :** SM 2540D **Prep Date :** 06/12/25 18:00 **Prep By :** ALassile

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	TSS	TSS	BRL	mg/L	1	2.50		

QC Type: Duplicate

QC Sample ID: 25061316.03

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TSS	30.0	29.3	mg/L	2.4	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	425	85.0						72-108	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Anions **Method :** EPA 300.0 **Reporting Units :** mg/L

QC Batch ID : Qb25061340 **Created Date :** 06/12/25 **Created By :** KPerera

Samples in This QC Batch : 25061311.01

Sample Preparation : PB25061261 **Prep Method :** EPA 300.0 **Prep Date :** 06/12/25 17:00 **Prep By :** KPerera

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Fluoride	16984-48-8	BRL	mg/L	1.00	0.1		
Method Blank	Chloride	16887-00-6	BRL	mg/L	1.00	0.1		
Method Blank	Bromide	24959-67-9	BRL	mg/L	1.00	0.1		
Method Blank	Nitrate-N	14797-55-8	BRL	mg/L	1.00	0.1		
Method Blank	Sulfate	14808-79-8	BRL	mg/L	1.00	0.1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Fluoride	1	1.04	104	1	1.04	104	0	20	90-110	
Chloride	1	0.989	98.9	1	0.994	99.4	0.5	20	90-110	
Bromide	1	1.06	106	1	1.08	108	1.5	20	90-110	
Nitrate-N	1	1.03	103	1	1.04	104	0.7	20	90-110	
Sulfate	1	1.06	106	1	1.05	105	0.6	20	90-110	

QC Type: MS and MSD
QC Sample ID: 25061199.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Fluoride	BRL	1	1.07	107						80-120	
Chloride	1.22	1	2.30	107						80-120	
Bromide	BRL	1	1.07	107						80-120	
Nitrite-N	BRL	1	1.06	106						80-120	
Nitrate-N	0.169	1	1.18	102						80-120	
Sulfate	2.04	1	3.15	111						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : **Method :** **SM 3500Cr B** **Reporting Units :** **mg/L**

QC Batch ID : Qb25061343 **Created Date :** 06/12/25 **Created By :** SShukla

Samples in This QC Batch : 25061311.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
CCB1	Chromium, Hexavalent	18540-29-9	BRL	mg/L	1	0.001		
Method Blank	Chromium, Hexavalent	18540-29-9	BRL	mg/L	1	0.001		

QC Type: Duplicate

QC Sample ID: 25061311.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Chromium, Hexavalent	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chromium, Hexavalent	0.02	0.0202	101.0	0.02	0.0204	102.0	1	20	86.8-108	

QC Type: MS and MSD

QC Sample ID: 25061311.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium, Hexavalent	BRL	0.02	0.0175	87.5	0.02	0.0175	87.5	0.0	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Chemical Oxygen Demand **Method :** SM 5220D **Reporting Units :** mg/L

QC Batch ID : Qb25061349 **Created Date :** 06/13/25 **Created By :** sadeshp

Samples in This QC Batch : 25061311.01

Sample Preparation : PB25061316 **Prep Method :** SM 5220D **Prep Date :** 06/13/25 10:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
CCB	COD		BRL	mg/L	1	10		
Method Blank	COD		BRL	mg/L	1	10		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
COD	300	302	100.7	300	303	101.0	0.3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25061280.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
COD	35	400	436	100.3	400	434	99.8	0.5	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25061371 **Created Date :** 06/13/25 **Created By :** Abhishek

Samples in This QC Batch : 25061311.01

Digestion : PB25061325 **Prep Method :** EPA 200.8 **Prep Date :** 06/13/25 08:40 **Prep By :** JYou

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Aluminum	7429-90-5T	BRL	mg/L	1	0.001		
Method Blank	Antimony	7440-36-0	BRL	mg/L	1	0.0005		
Method Blank	Arsenic	7440-38-2T	BRL	mg/L	1	0.0005		
Method Blank	Barium	7440-39-3T	BRL	mg/L	1	0.0005		
Method Blank	Beryllium	7440-41-7	BRL	mg/L	1	0.0005		
Method Blank	Cadmium	7440-43-9	BRL	mg/L	1	0.0005		
Method Blank	Chromium	7440-47-3T	BRL	mg/L	1	0.0005		
Method Blank	Cobalt	7440-48-4	BRL	mg/L	1	0.0005		
Method Blank	Copper	7440-50-8	BRL	mg/L	1	0.0005		
Method Blank	Iron	7439-89-6T	BRL	mg/L	1	0.05		
Method Blank	Lead	7439-92-1T	BRL	mg/L	1	0.0005		
Method Blank	Manganese	7439-96-5	BRL	mg/L	1	0.0005		
Method Blank	Molybdenum	7439-98-7	BRL	mg/L	1	0.0005		
Method Blank	Nickel	7440-02-0	BRL	mg/L	1	0.0005		
Method Blank	Selenium	7782-49-2	BRL	mg/L	1	0.001		
Method Blank	Silver	7440-22-4	BRL	mg/L	1	0.0005		
Method Blank	Thallium	7440-28-0	BRL	mg/L	1	0.0005		
Method Blank	Titanium	7440-32-6	BRL	mg/L	1	0.0005		
Method Blank	Zinc	7440-66-6T	BRL	mg/L	1	0.001		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	0.05	0.0485	97	0.05	0.0485	96.9	0.0	20	85-115	
Antimony	0.05	0.0497	99.4	0.05	0.0503	101	1.2	20	85-115	
Arsenic	0.05	0.0514	103	0.05	0.0504	101	1.9	20	85-115	
Barium	0.05	0.0502	100	0.05	0.0508	102	1.2	20	85-115	
Beryllium	0.05	0.0502	100	0.05	0.0500	100	0.4	20	85-115	
Cadmium	0.05	0.0500	100	0.05	0.0509	102	1.8	20	85-115	
Chromium	0.05	0.0512	102	0.05	0.0510	102	0.4	20	85-115	
Cobalt	0.05	0.0493	98.7	0.05	0.0493	98.6	0.1	20	85-115	
Copper	0.05	0.0510	102	0.05	0.0500	100	2	20	85-115	
Iron	5	5.06	101	5	5.07	101	0.2	20	85-115	
Lead	0.05	0.0498	99.7	0.05	0.0498	99.6	0.1	20	85-115	
Manganese	0.05	0.0503	101	0.05	0.0507	101	0.7	20	85-115	
Molybdenum	0.05	0.0496	99.3	0.05	0.0488	97.5	1.7	20	85-115	
Nickel	0.05	0.0513	103	0.05	0.0499	99.8	2.8	20	85-115	
Selenium	0.05	0.0505	101	0.05	0.0493	98.5	2.3	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25061371 **Created Date :** 06/13/25 **Created By :** Abhishek

Samples in This QC Batch : 25061311.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Silver	0.05	0.0570	114	0.05	0.0577	115	1.2	20	85-115	
Thallium	0.05	0.0511	102	0.05	0.0511	102	0.1	20	85-115	
Titanium	0.05	0.0492	98.5	0.05	0.0499	99.9	1.3	20	85-115	
Zinc	0.05	0.0512	102	0.05	0.0500	100	2.4	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25061254.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.756	0.1	0.894	138						70-130	M1
Antimony	0.00100	0.1	0.0965	95.5						70-130	
Arsenic	0.00094	0.1	0.0968	95.8						70-130	
Barium	0.0247	0.1	0.122	97						70-130	
Beryllium	BRL	0.1	0.0991	99.1						70-130	
Cadmium	BRL	0.1	0.0988	98.8						70-130	
Chromium	0.00357	0.1	0.105	102						70-130	
Cobalt	0.00056	0.1	0.0995	98.9						70-130	
Copper	0.0361	0.1	0.128	92						70-130	
Iron	1.10	10	11.5	104						70-130	
Lead	0.00359	0.1	0.102	98.4						70-130	
Manganese	0.0286	0.1	0.131	102						70-130	
Molybdenum	0.00198	0.1	0.0951	93.1						70-130	
Nickel	0.00488	0.1	0.101	96.2						70-130	
Selenium	BRL	0.1	0.0941	94.1						70-130	
Silver	BRL	0.1	0.112	112						70-130	
Thallium	BRL	0.1	0.101	101						70-130	
Titanium	0.0212	0.1	0.116	95.3						70-130	
Zinc	0.484	0.1	0.546	62						70-130	M2

QC Type: MS2 and MSD2
QC Sample ID: 25061286.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0321	0.1	0.131	98.5						70-130	
Antimony	0.00113	0.1	0.103	102						70-130	
Arsenic	0.00438	0.1	0.104	100						70-130	
Barium	0.111	0.1	0.207	96.8						70-130	
Beryllium	BRL	0.1	0.102	102						70-130	
Cadmium	BRL	0.1	0.102	102						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Metals by ICP/MS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb25061371 **Created Date :** 06/13/25 **Created By :** Abhishek

Samples in This QC Batch : 25061311.01

QC Type: MS2 and MSD2
QC Sample ID: 25061286.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chromium	BRL	0.1	0.103	103						70-130	
Cobalt	BRL	0.1	0.0991	99.1						70-130	
Copper	0.00146	0.1	0.0989	97.4						70-130	
Iron	0.0660	10	10.4	103						70-130	
Lead	BRL	0.1	0.100	100						70-130	
Manganese	0.0117	0.1	0.112	100						70-130	
Molybdenum	0.00674	0.1	0.104	96.9						70-130	
Nickel	0.00105	0.1	0.103	102						70-130	
Selenium	0.00103	0.1	0.102	101						70-130	
Silver	BRL	0.1	0.114	114						70-130	
Thallium	BRL	0.1	0.101	101						70-130	
Titanium	BRL	0.1	0.106	106						70-130	
Zinc	0.318	0.1	0.406	87.9						70-130	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25061380 **Created Date :** 06/13/25 **Created By :** Rajeev

Samples in This QC Batch : 25061311.01

Digestion : PB25061313 **Prep Method :** EPA 200.7 **Prep Date :** 06/13/25 08:00 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
ICB	Aluminum	7429-90-5T	BRL	mg/L	1	0.01		
ICB	Arsenic	7440-38-2T	BRL	mg/L	1	0.01		
ICB	Barium	7440-39-3T	BRL	mg/L	1	0.01		
ICB	Boron	7440-42-8T	BRL	mg/L	1	0.01		
ICB	Cadmium	7440-43-9	BRL	mg/L	1	0.01		
ICB	Chromium	7440-47-3T	BRL	mg/L	1	0.01		
ICB	Copper	7440-50-8	BRL	mg/L	1	0.01		
ICB	Iron	7439-89-6T	BRL	mg/L	1	0.01		
ICB	Lead	7439-92-1T	BRL	mg/L	1	0.01		
ICB	Magnesium	7439-95-4T	BRL	mg/L	1	0.02		
ICB	Manganese	7439-96-5	BRL	mg/L	1	0.01		
ICB	Nickel	7440-02-0	BRL	mg/L	1	0.01		
ICB	Selenium	7782-49-2	BRL	mg/L	1	0.01		
ICB	Silver	7440-22-4	BRL	mg/L	1	0.01		
ICB	Zinc	7440-66-6T	BRL	mg/L	1	0.01		
Method Blank	Aluminum	7429-90-5T	BRL	mg/L	1	0.01		
Method Blank	Arsenic	7440-38-2T	BRL	mg/L	1	0.01		
Method Blank	Barium	7440-39-3T	BRL	mg/L	1	0.01		
Method Blank	Boron	7440-42-8T	BRL	mg/L	1	0.01		
Method Blank	Cadmium	7440-43-9	BRL	mg/L	1	0.01		
Method Blank	Chromium	7440-47-3T	BRL	mg/L	1	0.01		
Method Blank	Copper	7440-50-8	BRL	mg/L	1	0.01		
Method Blank	Iron	7439-89-6T	BRL	mg/L	1	0.01		
Method Blank	Lead	7439-92-1T	BRL	mg/L	1	0.01		
Method Blank	Magnesium	7439-95-4T	BRL	mg/L	1	0.02		
Method Blank	Manganese	7439-96-5	BRL	mg/L	1	0.01		
Method Blank	Nickel	7440-02-0	BRL	mg/L	1	0.01		
Method Blank	Selenium	7782-49-2	BRL	mg/L	1	0.01		
Method Blank	Silver	7440-22-4	BRL	mg/L	1	0.01		
Method Blank	Zinc	7440-66-6T	BRL	mg/L	1	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Aluminum	1	1.05	105	1	1.03	103	1.9	20	85-115	
Arsenic	1	1.06	106	1	1.05	105	0.9	20	85-115	
Barium	1	1.03	103	1	1.01	101	2.2	20	85-115	
Boron	1	1.02	102	1	0.998	99.8	1.9	20	85-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25061380 **Created Date :** 06/13/25 **Created By :** Rajeev

Samples in This QC Batch : 25061311.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cadmium	1	1.02	102	1	1.00	100	2.4	20	85-115	
Chromium	1	1.05	105	1	1.03	103	1.6	20	85-115	
Copper	1	1.06	106	1	1.03	104	2.7	20	85-115	
Iron	1	1.03	103	1	1.01	101	1.8	20	85-115	
Lead	1	1.05	105	1	1.03	103	1.7	20	85-115	
Magnesium	1	1.04	105	1	1.02	102	2.4	20	85-115	
Manganese	1	1.02	102	1	0.995	99.5	2.1	20	85-115	
Nickel	1	1.02	103	1	1.00	101	2.5	20	85-115	
Selenium	1	1.05	105	1	1.03	103	1.7	20	85-115	
Silver	1	1.03	104	1	1.01	101	2.4	20	85-115	
Zinc	1	1.02	102	1	1.00	100	1.9	20	85-115	

QC Type: MS and MSD
QC Sample ID: 25061311.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	1.08	1	2.45	138						75-125	M1
Arsenic	BRL	1	1.05	105						75-125	
Barium	0.134	1	1.21	107						75-125	
Boron	1.05	1	2.09	104						75-125	
Cadmium	BRL	1	0.991	99.1						75-125	
Chromium	BRL	1	1.04	104						75-125	
Copper	0.358	1	1.61	126						75-125	M1
Iron	0.254	1	1.20	94.3						75-125	
Lead	BRL	1	1.13	113						75-125	
Magnesium	95.5	1	95.4	-10.60000						75-125	M6
Manganese	0.0670	1	1.09	102						75-125	
Nickel	BRL	1	1.02	102						75-125	
Selenium	BRL	1	1.06	106						75-125	
Silver	BRL	1	1.17	117						75-125	
Zinc	BRL	1	1.02	102						75-125	

QC Type: MS2 and MSD2
QC Sample ID: 25061264.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Aluminum	0.0540	1	1.17	111						75-125	
Arsenic	BRL	1	1.10	110						75-125	
Barium	0.0110	1	1.11	110						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25061380 **Created Date :** 06/13/25 **Created By :** Rajeev

Samples in This QC Batch : 25061311.01

QC Type: MS2 and MSD2
QC Sample ID: 25061264.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Boron	BRL	1	1.08	108						75-125	
Cadmium	BRL	1	1.07	107						75-125	
Chromium	BRL	1	1.09	109						75-125	
Copper	BRL	1	1.12	112						75-125	
Iron	0.0420	1	1.11	107						75-125	
Lead	BRL	1	1.09	109						75-125	
Magnesium	0.139	1	1.25	111						75-125	
Manganese	BRL	1	1.06	107						75-125	
Nickel	BRL	1	1.07	107						75-125	
Selenium	BRL	1	1.10	110						75-125	
Silver	BRL	1	1.09	109						75-125	
Zinc	0.0710	1	1.14	107						75-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Total Recoverable Metals **Method :** EPA 200.7 **Reporting Units :** mg/L

QC Batch ID : Qb25061381 **Created Date :** 06/13/25 **Created By :** Rajeev

Samples in This QC Batch : 25061311.01

Digestion : PB25061315 **Prep Method :** EPA 200.7 **Prep Date :** 06/13/25 08:00 **Prep By :** Mwissman

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
ICB	Tin	7440-31-5	BRL	mg/L	1	0.01		
Method Blank	Tin	7440-31-5	BRL	mg/L	1	0.01		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Tin	1	1.01	101	1	1.00	101	1.1	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25061311.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Tin	BRL	1	1.05	105						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : **Method :** **EPA 350.1** **Reporting Units :** **mg/L**

QC Batch ID : Qb25061390 **Created Date :** 06/12/25 **Created By :** Srijan

Samples in This QC Batch : 25061311.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Ammonia as N	NH3-N	BRL	mg/L	1.00	0.1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	1	0.942	94.2	1	0.942	94.2	0	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25061269.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	0.962	96.2	1	0.968	96.8	0.6	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25061311.01

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	1	0.970	97	1	0.980	98.1	1.1	10	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Total Kjeldahl Nitrogen **Method : EPA 351.2** **Reporting Units : mg/L**

QC Batch ID : Qb25061635 **Created Date :** 06/13/25 **Created By :** Srijan

Samples in This QC Batch : 25061311.01

Sample Preparation : PB25061614 **Prep Method :** EPA 351.2_ **Prep Date :** 06/13/25 10:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	TKN		BRL	mg/L	1.00	0.2		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TKN	1	0.930	93	1	0.935	93.5	0.6	10	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25061311.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	0.837	1	1.89	105	1	1.90	105.9	0.3	10	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25061208.07

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TKN	9.31	1	10.3	97.1	1	10.3	96	0.1	10	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : CVAFS **Method :** EPA 1631E **Reporting Units :** ng/L

QC Batch ID : Qb25061685 **Created Date :** 06/16/25 **Created By :** YWZhang

Samples in This QC Batch : 25061311.01,02

Digestion : PB25061625 **Prep Method :** EPA 1631E **Prep Date :** 06/13/25 18:00 **Prep By :** YWZhang

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Blank 2	Mercury	7439-97-6T	BRL	ng/L	1	0.5		
Blank 3	Mercury	7439-97-6T	BRL	ng/L	1	0.5		
Method Blank	Mercury	7439-97-6T	BRL	ng/L	1	0.5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	5	5.1200	102	5	4.9100	98.2	4.2	24	77-123	

QC Type: MS and MSD
QC Sample ID: 25061311.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.933	5	5.5900	93.1	5	6.0800	103	8.4	24	71-125	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Cyanide, Amenable Ultra Low **Method :** SM 4500CN-CG **Reporting Units :** mg/L

QC Batch ID : Qb250617100 **Created Date :** 06/17/25 **Created By :** Srijan

Samples in This QC Batch : 25061311.01

Sample Preparation : PB25061757 **Prep Method :** SM 4500CN-CG **Prep Date :** 06/17/25 10:00 **Prep By :** Srijan

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Cyanide, Amenable	57-12-5	BRL	mg/L	1	0.002		

QC Type: Duplicate

QC Sample ID: 25060950.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Cyanide, Amenable	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Cyanide, Amenable	0.01	0.0090	90.0	0.01	0.0095	95.0	5.4	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Nitrate+Nitrite Nitrogen by Automated Colorimetry **Method :** EPA 353.2 **Reporting Units :** mg/L

QC Batch ID : Qb250617101 **Created Date :** 06/17/25 **Created By :** Srijan

Samples in This QC Batch : 25061311.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Nitrate/Nitrite as N		BRL	mg/L	1.00	0.02		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Nitrate/Nitrite as N	0.1	0.0946	94.6	0.1	0.0954	95.4	0.8	20	90-110	

QC Type: MS1 and MSD1
QC Sample ID: 25061320.01

Parameter	Sample Result	MS1 Spk Added	MS1 Result	MS1 % Rec	MSD1 Spk Added	MSD1 Result	MSD1 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.0472	0.1	0.148	101	0.1	0.146	99	1.2	20	90-110	

QC Type: MS2 and MSD2
QC Sample ID: 25061285.02

Parameter	Sample Result	MS2 Spk Added	MS2 Result	MS2 % Rec	MSD2 Spk Added	MSD2 Result	MSD2 % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nitrate/Nitrite as N	0.0778	0.1	0.169	90.8	0.1	0.174	96.7	3.4	20	90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : True Color **Method :** SM 2120B **Reporting Units :** PCU

QC Batch ID : Qb25061751 **Created Date :** 06/13/25 **Created By :** KLyle

Samples in This QC Batch : 25061311.01

QC Type: Duplicate

QC Sample ID: 25061408.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Color	15	15	PCU	0.0	20		

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Phosphorus **Method : SM 4500P-E** **Reporting Units : mg/L**

QC Batch ID : Qb25061778 **Created Date :** 06/17/25 **Created By :** KLyle

Samples in This QC Batch : 25061311.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Phosphorus	7723-14-0	BRL	mg/L	1	0.05		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phosphorus	0.200	0.205	102.3	0.200	0.195	97.3	4.8	20	80-120	

QC Type: MS and MSD
QC Sample ID: 25060938.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Phosphorus	0.495	0.200	0.702	103.7	0.200	0.679	92.2	3.3	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Carbonaceous Biochemical Oxygen Demand **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25061929 **Created Date :** 06/13/25 **Created By :** sadeshp

Samples in This QC Batch : 25061311.01

Sample Preparation : PB25061410 **Prep Method :** SM 5210B **Prep Date :** 06/13/25 13:00 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	CBOD		BRL	mg/L	1	2		

QC Type: Duplicate

QC Sample ID: 25061488.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
CBOD	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
CBOD	198	183.00	92.4	198	176.00	88.9	3.9	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : Biochemical Oxygen Demand (BOD5) **Method :** SM 5210B **Reporting Units :** mg/L

QC Batch ID : Qb25061932 **Created Date :** 06/13/25 **Created By :** sadeshp

Samples in This QC Batch : 25061311.01

Sample Preparation : PB25061408 **Prep Method :** SM 5210B **Prep Date :** 06/13/25 14:30 **Prep By :** sadeshp

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	BOD		BRL	mg/L	1	0.20		

QC Type: Duplicate

QC Sample ID: 25061503.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	198	178.00	89.9	198	180.00	90.9	1.1	20	84.6-115	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : **Alkalinity** **Method :** **SM 2320B** **Reporting Units :** **mg CaCO3/L**

QC Batch ID : Qb25061976 **Created Date :** 06/19/25 **Created By :** DKunwar

Samples in This QC Batch : 25061311.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	Alkalinity		BRL	mg CaCO3/L	1	20		

QC Type: Duplicate

QC Sample ID: 25061311.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Alkalinity	370.4	372.4	mg CaCO3	0.5	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alkalinity	1250	1251.3	100.0	1250	1261.3	101.0	0.8	20	91.7-114	

QUALITY CONTROL CERTIFICATE

Job ID : 25061311 **Date :** 6/20/2025

Analysis : **Total Organic Carbon** **Method :** **SM 5310B** **Reporting Units :** **mg/L**

QC Batch ID : Qb25061986 **Created Date :** 06/19/25 **Created By :** KLyle

Samples in This QC Batch : 25061311.01

QC Type: Blank Result

QCType	Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Method Blank	TOC	TOC	BRL	mg/L	1.00	1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	10.9	109						89.4-113	

QC Type: MS and MSD
QC Sample ID: 25061392.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	11.0	5	16.1	101	5	16.1	103	0.4	10	80-120	

Job ID:25061311

08/12/2025 North Alamo Water Supply ANA

www.adlabs.com

1. REPORT TO:	2. INVOICE TO:	3. PO # /QT25032001
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other _____
956-651-0400		* Surcharge Applies
Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

A&B JOB ID

5. Project #

6. Project Name / Location

Owassa RO Discharge Permit Renewal

7. Reporting Requirement

☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Leal North Alamo Water Supply — Sampler's Signature & Date: 6-11-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matri Water	12. Matri Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide	*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	18. Comments
								Number of Containers	4	3	1	1	1	1	2	1	1		
								14. Containers*	P	VOA	P	P	P	P	G	P	P		
								15. Preservatives**	C	H	N	C	S	C	S	OH,X	OH,ZnA		
								16. pH-Lab Only											
								*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr, Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl, Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin											
Owassa RO Discharge	01AO 8A	6-11-25	1500	X		X		15	X	X	X	X	X	X	X	X	X	*	
Field Blank	02AC	6-11-25	1520		X	X		3		X									pH 7.41
																			Temp 29.6°C
																			Chlorine .04 mg/L
																			DO 7.18 mg/L
																			Sulfite _____

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Leal	6-11-25	1650	1) Fedex		
2) Fedex	6/12/25	13:15	2) Brenda	6-12-25	13:15
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

* Containers: VOA- 40 ml vial; A/G- Amber/Glass 1 Liter; 4 oz/8 oz- glass wide mouth; P/O- Plastic/other _____

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 3.2 Intact? ☑ ☐ N

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

Initials BO IR7

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 19MAY25
ACTWGT: 20.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**

10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

58GJ4/EA36/59F2

RMA:

FedEx Express

J252225040801av

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7917 6891 8602**

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25061311**	Date Received : **06/12/2025**	Time Received : **1:15PM**
Client Name : **North Alamo Water Supply**		
Temperature : **3.2°C**	Sample pH : **<2 Metals, NH3, TOC, TON, COD, TKN, P, NO3+NO2 | >**	
Thermometer ID : **IR7**	pH Paper ID : **127331**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**		X	
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide has no headspace. TDS/TSS received in 1-1L plastic, insufficient volume for TSS. ~DG 6/12/25

Brought by : FedEx

Received by : KSmith

Check in by/date : DGonzalez / 06/19/2025

ab-s005-1123

Laboratory Analysis Report

Total Number of Pages: 15

Job ID : 25061311

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Owassa RO Discharge Permit Renewal

Report To :	Client Name:	North Alamo Water Supply	P.O.#.:	
	Attn:	Roland Zamora	Sample Collected By:	Saul Leal
	Client Address:	420 S. Doolittle Rd.	Date Collected:	06/11/25
	City, State, Zip:	Edinburg, Texas, 78539		

Client Sample ID	Matrix	A&B Sample ID
Owassa RO Discharge	Water	25061311.01

This analysis was subcontracted to :
ALS Laboratory Group, 10450 Stancliff Rd, Suite 210
Houston, Texas, 77099-4338

Released By: Ashley Arnett
Title: Project Manager

Date: 07/03/2025

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 06/12/2025 13:15

25.1.10055

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

July 02, 2025

Shantall Carpenter
A & B Labs
10100 East Freeway
Suite 100
Houston, TX 77029

Work Order: **HS25060580**

Laboratory Results for: **Owassa RO Discharge**

Dear Shantall Carpenter,

ALS Environmental received 1 sample(s) on Jun 12, 2025 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: DAYNA.FISHER
Andy C. Neir

Client: A & B Labs
Project: Owassa RO Discharge
Work Order: HS25060580

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25060580-01	Owassa RO Discharge	Water		11-Jun-2025 15:00	12-Jun-2025 16:12	☐

Client: A & B Labs **CASE NARRATIVE**
Project: Owassa RO Discharge
Work Order: HS25060580

WetChemistry by Method SM5540C

Batch ID: 229171

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

Client: A & B Labs
Project: Owassa RO Discharge
Sample ID: Owassa RO Discharge
Collection Date: 11-Jun-2025 15:00

ANALYTICAL REPORT
WorkOrder:HS25060580
Lab ID:HS25060580-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
SURFACTANTS (MBAS) BY SM5540C		**Method:SM5540C**		Prep:SM5540C / 13-Jun-2025		Analyst: MH
MBAS	ND		0.0500	mg/L 340 MW LAS	1	13-Jun-2025 09:46

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: A & B Labs
Project: Owassa RO Discharge
WorkOrder: HS25060580

Batch ID: 229171 **Start Date:** 13 Jun 2025 08:25 **End Date:** 13 Jun 2025 08:25
Method: MBAS - PREPARATION **Prep Code:** MBAS_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25060580-01		400 (mL)	400 (mL)	1	1-L plastic, Neat

Client: A & B Labs
Project: Owassa RO Discharge
WorkOrder: HS25060580

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 229171 (0)	**Test Name :** SURFACTANTS (MBAS) BY SM5540C				**Matrix:** Water	
HS25060580-01	Owassa RO Discharge	11 Jun 2025 15:00		13 Jun 2025 08:25	13 Jun 2025 09:46	1

Client: A & B Labs
Project: Owassa RO Discharge
WorkOrder: HS25060580

QC BATCH REPORT

Batch ID: 229171 (0) **Instrument: UV-2450** **Method: SURFACTANTS (MBAS) BY SM5540C**

MBLK Sample ID: **MBLK-229171** Units: **mg/L 340 MW LAS** Analysis Date: **13-Jun-2025 09:46**
Client ID: Run ID: **UV-2450_515308** SeqNo: **8886597** PrepDate: **13-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	ND	0.0500								

LCS Sample ID: **LCS-229171** Units: **mg/L 340 MW LAS** Analysis Date: **13-Jun-2025 09:46**
Client ID: Run ID: **UV-2450_515308** SeqNo: **8886595** PrepDate: **13-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.511	0.0500	0.5	0	102	85 - 115				

LCSD Sample ID: **LCSD-229171** Units: **mg/L 340 MW LAS** Analysis Date: **13-Jun-2025 09:46**
Client ID: Run ID: **UV-2450_515308** SeqNo: **8886596** PrepDate: **13-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.494	0.0500	0.5	0	98.8	85 - 115	0.511	3.38	20	

MS Sample ID: **HS25060580-01MS** Units: **mg/L 340 MW LAS** Analysis Date: **13-Jun-2025 09:46**
Client ID: **Owassa RO Discharge** Run ID: **UV-2450_515308** SeqNo: **8886594** PrepDate: **13-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
MBAS	0.522	0.0500	0.5	0.039	96.6	80 - 120				

The following samples were analyzed in this batch: HS25060580-01

Client: A & B Labs
Project: Owassa RO Discharge
WorkOrder: **HS25060580**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	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

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087-2025	30-Jun-2026
Maine	2024017	23-Jun-2026
Michigan	9971-2025	30-Apr-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C24-00224 / 2024	31-Jul-2025
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS25060580 **Date/Time Received:** **12-Jun-2025 16:12**

Client Name: AB_Labs_Hou **Received by:** **Edgar Zheku**

Completed By:	/S/ Edgar Zheku	12-Jun-2025 16:32	**Reviewed by:**	/S/ Andy C. Neir	12-Jun-2025 21:47
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **Client**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	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 ☐	

Temperature(s)/Thermometer(s):	4.7UC/4.7C	IR 34
Cooler(s)/Kit(s):	RED	
Date/Time sample(s) sent to storage:	06/12/2025 16:32	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Subcontract Laboratory Chain-of-Custody

A & B Labs	Send To:	Report To:	Turnaround Time:
10100 East Freeway	Company: ALS Environmental	Company: A&B Labs	**Standard TAT: X**
Suite 100	Address: 10450 Stancliff Rd., Ste. 210	Address: 10100 East Frwy Suite 100	
Houston, TX 77029	Houston, TX 77099	Houston, TX 77029	**Need Results by:**
713-453-6060	Contact: Hussam Kelany	Contact: Alisha Hughes/Amanda Shute	**PO# 55473 / 25061311**
713-453-6091 fax	Phone: 281-530-5656	Phone: 713-453-6060 xt 127	**Quote:**
info@ablabs.com	Fax: 713-266-0130	Email: reports@ablabs.com	P — **Bottle Type**
	Email: hussam.kelany@alsglobal.com	CC:	C — **Preservatives**

PLEASE EMAIL INVOICE TO: ACCOUNTSPAYABLE@ABLABS.COM

Special Instructions or Comments:

Lab #	Item	Sample ID / Name	Collection Date	Collection Time	Comp	Grab	Matrix	# of Containers	Container Types	Surfactants	Remarks:
25061311.01	1	Owassa RO Discharge	6/11/25	15:00	X		W	1	P	X	
	2										
	3										
	4										
	5	***PLEASE WATCH HOLD TIME***									
	6										
	7										
	8										
	9										
	10										

HS25060580
A & B Labs
Owassa RO Discharge

Matrix: **WW**-Wastewater **W**-Water **DW**-Drinking Water **S**-Soil **SD**-Solid **L**-Liquid **SL**-Sludge **O**-Oil **A**-Air Bag **Can**-Air Canister **B**-OVM Badge T-Tube
Preservatives: **C**-Cool/Ice **H**-HCl **N**-Nitric Acid **S**-Sulfuric Acid **OH**-NaOH **T**-Sodium Thiosulfate **O**- Other (specify)_____
Containers: **VOA**-40 ml vial **A**-amber 1 liter **G**-glass 1 liter **4oz** or **8oz** - 4/8 ounce glass **P**-Plastic

Relinquished By:	Date	Time		Received By:	Date	Time
	6/12/25	16:12		06/12/25 16:12		

ab-s004-0309

Red 4.7
IR37 CF0.0

Job ID:25061311

08/12/2025 North Alamo Water Supply ANA

www.ablabs.com

1. REPORT TO:	2. INVOICE TO:	3. PO # /QT25032001
North Alamo Water Supply		4. Turnaround Time- Business Days
420 S. Doolittle Rd.	On file	☐ 1 Day * ☐ 5 Days *
Edinburg, TX 78542		☐ 2 Days * ☑ 7 Days-Standard
Roland Zamora		☐ 3 Days * ☐ Other _____
956-651-0400		* Surcharge Applies
Dist List		*Day Zero is the day sample is received. Report due at 5pm on due day.*

A&B JOB ID

5. Project #

6. Project Name / Location

Owassa RO Discharge Permit Renewal

7. Reporting Requirement

☐ TRRP Limits Only ☐ TRRP Rpt. Package ☐ See Attached ☑ MDL Rpt

8. Sampler's Name & Co: INEOS/ Saul Ivan North Alamo Water Supply

Sampler's Signature & Date: 6-11-25

9. Sample ID & Description	Lab Use Only	10. Sampling Date	10. Sampling Time	11. comp	11. grab	12. Matrix Water	12. Matrix Soil	13. Total No. of Containers	BOD, CBOD, TDS, TSS, HexCr_Low, Color, Surfactants_SUB, Alkalinity	Low Level Mercury	Metals 200.8, Metals 200.7, Metals_Blist 200.7, TriCr_Low	Sulfite (If not done in the field)	Ammonia, TOC, TON, COD, TKN, Phosphorus, NO3+NO2	***Anions 300.0	O&G_HEM	Cyanide_Amenable Ultra Low	Sulfide			*Field Tests - Ph, Temp, Chlorine, DO, Sulfite	18. Comments
									4 P C	3 VOA H	1 P N	1 P C	1 P S	1 P C	2 G S	1 P OH,X	1 P OH,ZnA				Number of Containers 14. Containers* 15. Preservatives** 16. pH-Lab Only
																					*Metals 200.8 - Al,Sb,As,Ba,Be,Cd,Co,Cr,Cu,Pb,Mn,Mo,Ni,Se,Ag,Tl,Ti,Zn Metals 200.7 - B,Fe,Mg Metals_Blist 200.7 - Tin
Owassa RO Discharge	01AO 8A	6-11-25	1500	X		X		15	X	X	X	X	X	X	X	X	X			*	
Field Blank	02AC	6-11-25	1520		X	X		3		X											pH 7.41 Temp 29.6°C Chlorine .04 mg/L DO 7.18 mg/L Sulfite _____

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1) Saul Ivan	6-11-25	1650	1) Fedex		
2) Fedex	6/12/25	13:15	2) Brenda	6-12-25	13:15
3)			3)		

***Anions: Bromide, Chloride, Fluoride, Nitrate,Sulfate

* Containers: VOA- 40 ml vial; A/G- Amber/Glass 1 Liter 4 oz/8 oz- glass wide mouth; P/O- Plastic/other ____

**Preservatives: C-Cool H- HCl N- HNO3 S-H2SO4 OH- NaOH T-Na2S2O3 X- Other: NaAsO2

Temperature: 3.2 Intact? ☑ ☐ N

BILL OF LADING/TRACKING #

METHOD OF SHIPMENT

Initials BO IR7

A&B CANNOT ACCEPT VERBAL CHANGES. PLEASE FAX WRITTEN CHANGES TO 713-453-6091 OR EMAIL THE NEW COC TO YOUR PROJECT MANAGER.

SHORT HOLD TIMES: Color, HexCr - 24hr / BOD, CBOD, Nitrate, Surfactant - 48hr

ORIGIN ID:MFEA (956) 533-1193
ROLAND ZAMORA
NORTH ALAMO WATER SUPPLY
420 S. DOOLITTLE RD.

EDINBURG, TX 78539
UNITED STATES US

SHIP DATE: 19MAY25
ACTWGT: 20.00 LB
CAD: 251130814/INET4535

TO **REVATHI PONNAMBALAM**

10100 EAST FWY STE 100

HOUSTON TX 77029
(713) 453-6060 REF:
INV:
PO: DEPT:

586J4/EA36/59F2

RMA:

FedEx Express

RETURNS MON-FRI
PRIORITY OVERNIGHT

TRK# 0221 **7917 6891 8602**

77029

TX-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Sample Condition Checklist

A&B JobID : **25061311**	Date Received : **06/12/2025**	Time Received : **1:15PM**
Client Name : **North Alamo Water Supply**		
Temperature : **3.2**	Sample pH : **<2 Metals, NH3, TOC, TON, COD, TKN, P, NO3+NO2 | >**	
Thermometer ID : **IR7**	pH Paper ID : **127331**	
Perservative :	Lot# :	

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**	X		
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**	X		
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**		X	
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**	X		

Comments : Include actions taken to resolve discrepancies/problem:

CN: NaOH+NaAsO2. Sulfide has no headspace. TDS/TSS received in 1-1L plastic, insufficient volume for TSS. ~DG 6/12/25

Brought by : FedEx

Received by : KSmith

Check in by/date : DGonzalez / 06/19/2025

ab-s005-1123