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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL WASTEWATER/STORMWATER

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

Gladieux Metals Recycling LLC (CN605364843) proposes to operate Pond 4 remediation project (RN100210129), a remediation project under the jurisdiction of the TCEQ. The facility is located at FM 523, 1350 feet south of County Road 223, in Freeport, Brazoria County, Texas 77542. The Gladieux Metals Recycling LLC (GMR) facility, located in Freeport, was formerly operated by Gulf Chemical & Metallurgical Corporation (GCMC) beginning in the 1970s, and recovers metals including nickel, cobalt, vanadium and molybdenum from spent refinery catalysts. GCMC constructed Pond 4 in the early 1980s east of FM 523 about eight miles north of Freeport and about one-quarter mile south of the intersection of FM 523 and County Road 223. The pond was used to store alumina concentration (AC) which is an intermediate product in the metals recovery process and was transported from the facility in Freeport. The AC material was placed in the pond, covered, and remained until it was removed from Pond 4 in 2006 to be taken for processing. Since that time, Pond 4 has filled with storm water. Gladieux Metals is working with the TCEQ Remediation Division to close Pond 4 and the

accumulated storm water needs to be removed. The storm water contains very low concentrations of dissolved metals. This permit will allow discharge of up to 100,000 gallons per day of the storm water into nearby surface water drainage. The discharge will be monitored in accordance with permit requirements and any wastes generated during the discharge process will be removed for off-site disposal. Discharge of the contained storm water under this permit will allow the Pond 4 facility to be filled and closed. *<<For TLAP applications include the following sentence, otherwise delete:>>* This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain low concentrations of dissolved metals including vanadium, molybdenum, nickel, cobalt, aluminum and arsenic. The discharge will include storm water that has accumulated in the pond and will be treated by methods to be determined, if needed based on sampling data, although the very low concentrations are unliekly to require treatment. Alternatively, if needed some of the storm water may be transported to the GMR facility for treatment and discharge.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PROPOSED PERMIT NO. WQ0005461000

APPLICATION. Gladieux Metals Recycling, LLC, P.O. Box 2290, Freeport, Texas 77542, which will operate a remediation project for a pond that previously stored intermediate materials, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005461000 (EPA I.D. No. TX0146196) to authorize the discharge of stormwater at a volume not to exceed a daily average flow of 480,000 gallons per day. The facility is located approximately 1,740 feet east-southeast of the intersection of County Road 223 and Farm-to-Market Road 523, near the city of Freeport, in Brazoria County, Texas 77541. The discharge route will be from the plant site via on-site pond to an unnamed tributary, thence to Bastrop Bayou Tidal. TCEQ received this application on June 13, 2024. The permit application will be available for viewing and copying at Brazoria County Courthouse, 111 East Locust Street, Suite 200, Angleton, in Brazoria County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.358333,29.076666&level=18

The application is subject to the goals and policies of the Texas Coastal Management Program and must be consistent with the applicable Coastal Management Program goals and policies.

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.**

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 Gladieux Metals Recycling, LLC the address stated above or by calling Ms. Judy LeBlanc, Environmental H & S Specialist, at 979-415-1547.

Issuance Date: July 12, 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

COMBINED

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

AND

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

NEW

Permit No. WQ0005461000

APPLICATION AND PRELIMINARY DECISION. Gladieux Metals Recycling, LLC, P.O. Box 2290, Freeport, Texas 77542, which operates Gladieux Metals Recycling Pond 4, a remediation project for a pond that previously stored intermediate materials, has applied to the Texas Commission on Environmental Quality (TCEQ) for a new permit, Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005461000, to authorize the discharge of accumulated stormwater from a pond that previously stored intermediate materials at a daily average flow not to exceed 480,000 gallons per day. The TCEQ received this application on June 13, 2024.

This combined notice is being issued because the contact information listed in the NORI has been changed.

The facility is located approximately 1,740 feet east-southeast of the intersection of County Road 223 and Farm-to-Market 523, near the City of Freeport, in Brazoria County, Texas 77541. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.358333,29.076666&level=18

The effluent is discharged to an unnamed tributary, thence to Bastrop Bayou Tidal in Segment No. 1105 of the San Jacinto-Brazos Coastal Basin. The unclassified receiving water uses are limited aquatic life use for the unnamed tributary (non-tidal: 0.8 mile downstream of outfall) and high aquatic life use for the unnamed tributary (tidal). The designated uses for Segment No. 1105 are primary contact recreation and high aquatic life use.

In accordance with Title 30 Texas Administrative Code Section 307.5 and TCEQ's *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in the

unnamed tributary (tidal), which has been identified as having high aquatic life use. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

The TCEQ Executive Director reviewed this action for consistency with the Texas Coastal Management Program (CMP) goals and policies in accordance with the regulations of the General Land Office and has determined that the action is consistent with the applicable CMP goals and policies.

The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at Brazoria County Courthouse, 111 East Locust Street, Suite 200, Angleton, in Brazoria County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting about this application. The purpose of a public meeting is to provide the opportunity to submit written or oral comment or to ask questions about the application. Generally, the TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

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

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at https://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. Public comments and requests must be submitted either electronically at https://www.tceq.texas.gov/goto/comment, 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 https://www.tceq.texas.gov/agency/decisions/participation/permitting-participation. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Gladieux Metals Recycling, LLC at the address stated above or by calling Mr. John Metric, Director of Engineering, at (979) 415-1540.

Issued: July 23, 2025

TPDES PERMIT NO.
WQ0005461000
[For TCEQ office use only -
EPA I.D. No. TX0146196]

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

PERMIT TO DISCHARGE WASTES
under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

Gladieux Metals Recycling, LLC

whose mailing address is

P.O. Box 2290
Freeport, Texas 77542

is authorized to treat and discharge wastes from Gladieux Metals Recycling Pond 4, a remediation project for a pond that previously stored intermediate materials (SIC 3341)

located approximately 1,740 feet east-southeast of the intersection of County Road 223 and Farm-to-Market 523, near the City of Freeport, Brazoria County, Texas 77541

to an unnamed tributary, thence to Bastrop Bayou Tidal in Segment No. 1105 of the San Jacinto-Brazos Coastal Basin

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

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

ISSUED DATE:

_____
For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS — Outfall Number 001

1. During the period beginning upon the date of permit issuance [1] and lasting through the date of permit expiration, the permittee is authorized to discharge accumulated stormwater from a pond that previously stored intermediate materials subject to the following effluent limitations:

   The daily average flow of effluent shall not exceed 0.480 million gallons per day (MGD). The daily maximum flow shall not exceed 0.60 MGD.

Effluent Characteristics	Discharge Limitations			Minimum Self-Monitoring Requirements	
	Daily Average mg/L	Daily Maximum mg/L	Single Grab mg/L	Report Daily Average and Daily Maximum Measurement Frequency	Sample Type
Flow	0.480 MGD	0.60 MGD	N/A	Continuous	Instantaneous
Total Organic Carbon	N/A	55	55	1/week	Grab
Ammonia (as Nitrogen)	N/A	15	15	1/week	Grab
Molybdenum, Total	N/A	30	30	1/week	Grab
Vanadium, Total	N/A	30	30	1/week	Grab
Oil and Grease	7.1	15	15	1/week	Grab

2. The pH must not be less than 6.0 standard units nor greater than 9.0 standard units and must be monitored 1/week by grab sample.

3. There must be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.

4. Effluent monitoring samples must be taken at the following location: At Outfall 001, prior to discharge into the unnamed tributary.

[1] Authorization to discharge is contingent upon TCEQ's approval. See Other Requirement No. 7.

DEFINITIONS AND STANDARD PERMIT CONDITIONS

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

1. Flow Measurements

    a. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder, and limited to major domestic wastewater discharge facilities with a one million gallons per day or greater permitted flow.

    b. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.

    c. Daily maximum flow - the highest total flow for any 24-hour period in a calendar month.

    d. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.

    e. 2-hour peak flow (domestic wastewater treatment plants) - the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.

    f. Maximum 2-hour peak flow (domestic wastewater treatment plants) - the highest 2-hour peak flow for any 24-hour period in a calendar month.

2. Concentration Measurements

    a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.

        i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.

        ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.

    b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.

    c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.

    d. Daily discharge - the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the “daily discharge” is calculated as the total

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

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

e. Bacteria concentration (Fecal coliform, *E. coli*, or Enterococci) – the number of colonies of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the nth root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substitute value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.

f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD × Concentration, mg/L × 8.34).

g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.

3. Sample Type

   a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(c).

   b. Grab sample - an individual sample collected in less than 15 minutes.

4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.

5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.

6. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

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

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

2. Test Procedures

   a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§319.11 - 319.12. Measurements, tests, and calculations shall be accurately accomplished in a representative manner.

   b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

   a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.

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

   c. Records of monitoring activities shall include the following:

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

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

4. Additional Monitoring by Permittee

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

5. Calibration of Instruments

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

6. Compliance Schedule Reports

   Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date to the regional office and the Enforcement Division (MC 224).

7. Noncompliance Notification

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

   b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
      i. unauthorized discharges as defined in Permit Condition 2(g).
      ii. any unanticipated bypass that exceeds any effluent limitation in the permit.
      iii. violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.

   c. In addition to the above, any effluent violation that deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the regional office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.

   d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.

8. In accordance with the procedures described in 30 TAC §§35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.

9. Changes in Discharges of Toxic Substances

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

   a. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) that is not limited in the permit, if that discharge will exceed the highest of the following “notification levels”:
      i. one hundred micrograms per liter (100 µg/L);
      ii. two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
      iii. five (5) times the maximum concentration value reported for that pollutant in the permit application; or
      iv. the level established by the TCEQ.

b. That any activity has occurred or will occur that would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

i. five hundred micrograms per liter (500 μg/L);
ii. one milligram per liter (1 mg/L) for antimony;
iii. ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
iv. the level established by the TCEQ.

10. Signatories to Reports

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

11. All POTWs must provide adequate notice to the Executive Director of the following:

a. any new introduction of pollutants into the POTW from an indirect discharger that would be subject to CWA §301 or §306 if it were directly discharging those pollutants;

b. any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and

c. for the purpose of this paragraph, adequate notice shall include information on:

i. the quality and quantity of effluent introduced into the POTW; and
ii. any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

PERMIT CONDITIONS

1. General

a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.

b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:

i. violation of any terms or conditions of this permit;
ii. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
iii. a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending, or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.

b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment,

revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.

c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.

e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.

f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§305.62 and 305.66 and TWC §7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.

h. In accordance with 30 TAC §305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility that does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.

i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA §402, or any requirement imposed in a pretreatment program approved under the CWA §§402(a)(3) or 402(b)(8).

3. Inspections and Entry

a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC Chapter 361.

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

4. Permit Amendment or Renewal

   a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:

      i. the alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC §305.534 (relating to New Sources and New Dischargers); or

      ii. the alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9; or

      iii. the alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

   b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.

   c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.

   d. Prior to accepting or generating wastes that are not described in the permit application or that would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.

   e. In accordance with the TWC §26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.

   f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA §307(a) for a toxic pollutant that is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA §307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Permit Transfer

   a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.

   b. A permit may be transferred only according to the provisions of 30 TAC §305.64 (relating to Transfer of Permits) and 30 TAC §50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

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

7. Relationship to Water Rights

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

8. Property Rights

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

9. Permit Enforceability

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

10. Relationship to Permit Application

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

11. Notice of Bankruptcy.

    a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:

       i. the permittee;
       ii. an entity (as that term is defined in 11 USC, §101(15)) controlling the permittee or listing the permit or permittee as property of the estate; or
       iii. an affiliate (as that term is defined in 11 USC, §101(2)) of the permittee.

    b. This notification must indicate:

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

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.

2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§319.21 - 319.29 concerning the discharge of certain hazardous metals.

3. Domestic wastewater treatment facilities shall comply with the following provisions:

   a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.

   b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment or other treatment unit regulated by this permit.

4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, or retention of inadequately treated wastewater.

5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under TWC §7.302(b)(6).

7. Documentation

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

8. Facilities that generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.

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

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

b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission, and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.

c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.

10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.

11. Facilities that generate industrial solid waste as defined in 30 TAC §335.1 shall comply with these provisions:

a. Any solid waste, as defined in 30 TAC §335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.

b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.

c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC §335.8(b)(1), to the Corrective Action Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.

d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC §335.5.

e. The term “industrial solid waste management unit” means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.

f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:

i. volume of waste and date(s) generated from treatment process;
ii. volume of waste disposed of on-site or shipped off-site;
iii. date(s) of disposal;

iv. identity of hauler or transporter;
v. location of disposal site; and
vi. method of final disposal.

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

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

TCEQ Revision 05/2021

OTHER REQUIREMENTS

1. Violations of daily maximum limitations for the following pollutants shall be reported orally or by facsimile to TCEQ Region 12 within 24 hours from the time the permittee becomes aware of the violation, followed by a written report within five working days to TCEQ Region 12 and Compliance Monitoring Team (MC 224): None

2. The Executive Director reviewed this action for consistency with the goals and policies of the Texas Coastal Management Program (CMP) in accordance with the regulations of the General Land Office and determined that the action is consistent with the applicable CMP goals and policies.

3. There is no mixing zone established for this discharge to an intermittent stream with perennial pools. Chronic toxic criteria apply at the point of discharge.

4. Reporting requirements according to 30 TAC §§ 319.1-319.12 and any additional effluent reporting requirements contained in the permit are suspended from the effective date of the permit until plant startup or discharge, whichever occurs first, from the facility described by this permit. The permittee shall provide written notice to the TCEQ Region 12 Office, Applications Review and Processing Team (MC 148) of the Water Quality Division, and Compliance Monitoring Team (MC 224) at least forty-five days prior to anticipated discharge, on Notification of Completion Form 20007.

5. POND REQUIREMENTS

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

   A. N/A.

   B. An **existing** wastewater pond must be maintained to meet or exceed the original approved design and liner requirements; or, in the absence of original approved requirements, must be maintained to prevent unauthorized discharges of wastewater into or adjacent to water in the state. The permittee shall maintain copies of all liner construction and testing documents at the facility or in a reasonably accessible location and make the information available to the executive director upon request.

   C. A **new** wastewater pond constructed after the issuance date of this permit must be lined in compliance with one of the following requirements if it will contain process wastewater as defined in 40 CFR § 122.2. The executive director will review ponds that will contain only non-process wastewater on a case-by-case basis to determine whether the pond must be lined. If a pond will contain only non-process wastewater, the owner shall notify the Industrial Permits Team (MC 148) to obtain a written determination at least 90 days before the pond is placed into service and copy the TCEQ Compliance Monitoring Team (MC 224) and regional office. The permittee must submit all information about the proposed pond contents that is reasonably necessary for the executive director to make a determination. If the executive director determines that a pond does not need to be lined, then the pond is exempt from C(1) through C(3) and D through G of POND REQUIREMENTS.

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

(1) Soil liner: The soil liner must contain clay-rich soil material (at least 30% of the liner material passing through a #200 mesh sieve, liquid limit greater than or equal to 30, and plasticity index greater than or equal to 15) that completely covers the sides and bottom of the pond. The liner must be at least 3.0 feet thick. The liner material must be compacted in lifts of no more than 8 inches to 95% standard proctor density at the optimum moisture content in accordance with ASTM D698 to achieve a permeability less than or equal to 1×10^{-7} (≤ 0.0000001) cm/sec. For in-situ soil material that meets the permeability requirement, the material must be scarified at least 8 inches deep and then re-compacted to finished grade.

(2) Synthetic membrane: The liner must be a synthetic membrane liner at least 40 mils in thickness that completely covers the sides and the bottom of the pond. The liner material used must be compatible with the wastewater and be resistant to degradation (e.g., from ultraviolet light, chemical reactions, wave action, erosion, etc.). The liner material must be installed and maintained in accordance with the manufacturer's guidelines. A wastewater pond with a synthetic membrane liner must include an underdrain with a leak detection and collection system.

(3) Alternate liner: The permittee shall submit plans signed and sealed by a Texas-licensed professional engineer for any other equivalently protective pond lining method to the TCEQ Industrial Permits Team (MC 148) and copy the regional office.

D. For a pond that must be lined according to subparagraph C (including ponds with in-situ soil liners), the permittee shall provide certification, signed and sealed by a Texas-licensed professional engineer, stating that the completed pond lining and any required underdrain with leak detection and collection system for the pond meet the requirements in subparagraph C(1) – C(3) before using the pond. The certification shall include the following minimum details about the pond lining system: (1) pond liner type (in-situ soil, amended in-situ soil, imported soil, synthetic membrane, or alternative), (2) materials used, (3) thickness of materials, and (4) either permeability test results or a leak detection and collection system description, as applicable.

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

E. Protection and maintenance requirements for a pond subject to subparagraph B or C (including ponds with in-situ soil liners).

(1) The permittee shall maintain a liner to prevent the unauthorized discharge of wastewater into or adjacent to water in the state.

(2) A liner must be protected from damage caused by animals. Fences or other protective devices or measures may be used to satisfy this requirement.

(3) The permittee shall maintain the structural integrity of the liner and shall keep the liner and embankment free of woody vegetation, animal burrows, and excessive erosion.

(4) The permittee shall inspect each pond liner and each leak detection system at least once per month. Evidence of damage or unauthorized discharge must be evaluated by a Texas-licensed professional engineer or Texas-licensed professional geoscientist within 30 days. The permittee is not required to drain an operating pond or to inspect below the waterline during these routine inspections.

a. A Texas-licensed professional engineer or Texas-licensed professional geoscientist must evaluate damage to a pond liner, including evidence of an unauthorized discharge without visible damage.

b. Pond liner damage must be repaired at the recommendation of a Texas-licensed professional engineer or Texas-licensed professional geoscientist. If the damage is significant or could result in an unauthorized discharge, then the repair must be documented and certified by a Texas-licensed professional engineer. Within 60 days after a repair is completed, the liner certification must be provided to the TCEQ Water Quality Assessments Team (MC 150) and regional office. A copy of the liner certification must be maintained at the facility or in a reasonably accessible location and made available to the executive director upon request.

c. A release determination and subsequent corrective action will be based on 40 CFR Part 257 or the Texas Risk Reduction Program (30 TAC Chapter 350), as applicable. If evidence indicates that an unauthorized discharge occurred, including evidence that the actual permeability exceeds the design permeability, the matter may also be referred to the TCEQ Enforcement Division to ensure the protection of the public and the environment.

F. For a pond subject to subparagraph B or C (including ponds with in-situ soil liners), the permittee shall have a Texas-licensed professional engineer perform an evaluation of each pond that requires a liner at least once every five years. The evaluation must include: (1) a physical inspection of the pond liner to check for structural integrity, damage, and evidence of leaking; (2) a review of the liner documentation for the pond; and (3) a review of all documentation related to liner repair and maintenance performed since the last evaluation. For the purposes of this evaluation, evidence of leaking also includes evidence that the actual permeability exceeds the design permeability. The permittee is not required to drain an operating pond or to inspect below the waterline during the evaluation. A copy of the engineer's evaluation report must be maintained at the facility or in a reasonably accessible location and made available to the executive director upon request.

G. For a pond subject to subparagraph B or C (including ponds with in-situ soil liners), the permittee shall maintain at least 2.0 feet of freeboard in the pond except when:

(1) the freeboard requirement temporarily cannot be maintained due to a large storm event that requires the additional retention capacity to be used for a limited period of time;

(2) the freeboard requirement temporarily cannot be maintained due to upset plant conditions that require the additional retention capacity to be used for treatment for a limited period of time; or

(3) the pond was not required to have at least 2.0 feet of freeboard according to the requirements at the time of construction.

6. This permit prohibits sending any additional wastewater or materials generated at the TPDES Permit No. WQ0001861000 site (the main metals recycling facility) to this pond. Only stormwater contained in the pond and additional rainfall falling directly into the pond is authorized for discharge by this permit.
7. Discharge is contingent upon TCEQ's approval following its review of the data submitted as required in Item 8 of this section.
8. Wastewater in Pond 4 must be sampled and analyzed as directed below for those parameters listed in Tables 1, 2, and 3 of Attachment A of this permit. Analytical testing for representative sampling must be completed 60 days prior to anticipated discharge. Results of the analytical testing must be submitted 30 days prior to anticipated discharge to the TCEQ Industrial Permits Team (MC 148) for approval and Region 12 Office. Based on a technical review of the submitted analytical results, an amendment may be initiated by TCEQ staff to include additional effluent limitations, monitoring requirements, or both.

    Table 1: Analysis is required for all pollutants in Table 1. Wastewater must be sampled and analyzed for those parameters listed in Table 1 for a minimum of one sampling event.

    Table 2: Analysis is required for those pollutants in Table 2 that are used at the facility that could in any way contribute to contamination to wastewater in Pond 4. Sampling and analysis must be conducted for a minimum one sampling event.

    Table 3: For all pollutants listed in Table 3, the permittee shall indicate whether each pollutant is believed to be present or absent in the discharge. Sampling and analysis must be conducted for each pollutant believed present for a minimum of one sampling event.

    The permittee shall indicate on each table whether the samples are composite (C) or grab (G) by checking the appropriate box.

Attachment A

Table 1

Outfall No.: ☐C ☐G	**Effluent Concentration (mg/L)**					
Pollutant	**Samp.**	**Samp.**	**Samp.**	**Samp.**	**Average**	
Flow (MGD)						
BOD (5-day)						
CBOD (5-day)						
Chemical Oxygen Demand						
Total Organic Carbon						
Dissolved Oxygen						
Ammonia Nitrogen						
Total Suspended Solids						
Nitrate Nitrogen						
Total Organic Nitrogen						
Total Phosphorus						
Oil and Grease						
Total Residual Chlorine						
Total Dissolved Solids						
Sulfate						
Chloride						
Fluoride						
Total Alkalinity (mg/L as $CaCO_3$)						
Temperature (°F)						
pH (Standard Units; min/max)						

Pollutant	**Effluent Concentration (µg/L)[1]**					**MAL[2] (µg/L)**
	Samp.	**Samp.**	**Samp.**	**Samp.**	**Average**	
Aluminum, Total						2.5
Antimony, Total						5
Arsenic, Total						0.5
Barium, Total						3
Beryllium, Total						0.5
Cadmium, Total						1
Chromium, Total						3
Chromium, Hexavalent						3
Chromium, Trivalent						N/A
Copper, Total						2
Cyanide, Free						10
Lead, Total						0.5
Mercury, Total						0.005
Selenium, Total						5

[1] Indicate units if different than µg/L.
[2] Minimum Analytical Level

Pollutant	Effluent Concentration (µg/L)					MAL (µg/L)
	Samp.	Samp.	Samp.	Samp.	Samp.	
Nickel, Total						2
Silver, Total						0.5
Thallium, Total						0.5
Zinc, Total						5.0

Table 2 – Toxic Pollutants with Water Quality Criteria

Outfall No.: ☐C ☐G Pollutant	Samp. 1 (µg/L)[3]	Samp. 2 (µg/L)[3]	Samp. 3 (µg/L)[3]	Samp. 4 (µg/L)[3]	Avg. (µg/L)[3]	MAL (µg/L)
Acrolein						0.7
Acrylonitrile						50
Anthracene						10
Benzene						10
Benzidine						50
Benzo(*a*)anthracene						5
Benzo(*a*)pyrene						5
Bis(2-chloroethyl)ether						10
Bis(2-ethylhexyl) phthalate						10
Bromodichloromethane						10
Bromoform						10
Carbon Tetrachloride						2
Chlorobenzene						10
Chlorodibromomethane						10
Chloroform						10
Chrysene						5
Cresols						10
1,2-Dibromoethane						10
m-Dichlorobenzene						10
o-Dichlorobenzene						10
p-Dichlorobenzene						10
3,3'-Dichlorobenzidine						5
1,2-Dichloroethane						10
1,1-Dichloroethylene						10
Dichloromethane						20
1,2-Dichloropropane						10
1,3-Dichloropropylene						10
2,4-Dimethylphenol						10
Di-*n*-Butyl Phthalate						10
Epichlorohydrin						1,000
Ethylbenzene						10
Ethylene Glycol						—
Fluoride						500

[3] Indicate units if different than µg/L.

Outfall No.: ☐C ☐G Pollutant	Samp. 1 (µg/L)[3]	Samp. 2 (µg/L)[3]	Samp. 3 (µg/L)[3]	Samp. 4 (µg/L)[3]	Avg. (µg/L)[3]	MAL (µg/L)
Hexachlorobenzene						5
Hexachlorobutadiene						10
Hexachlorocyclopentadiene						10
Hexachloroethane						20
4,4′-Isopropylidenediphenol [bisphenol A]						—
Methyl Ethyl Ketone						50
Methyl *tert*-butyl ether [MTBE]						—
Nitrobenzene						10
N-Nitrosodiethylamine						20
N-Nitroso-di-*n*-Butylamine						20
Nonylphenol						333
Pentachlorobenzene						20
Pentachlorophenol						5
Phenanthrene						10
Polychlorinated Biphenyls (PCBs) [4]						0.2
Pyridine						20
1,2,4,5-Tetrachlorobenzene						20
1,1,2,2-Tetrachloroethane						10
Tetrachloroethylene						10
Toluene						10
1,1,1-Trichloroethane						10
1,1,2-Trichloroethane						10
Trichloroethylene						10
2,4,5-Trichlorophenol						50
TTHM (Total Trihalomethanes)						10
Vinyl Chloride						10

[4] Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, PCB-1016. If all values are non-detects, enter the highest non-detect preceded by a "<" symbol.

Table 3

Outfall No. ☐C ☐G Pollutant	Believed Present	Believed Absent	Average Concentration (mg/L)	Maximum Concentration (mg/L)	No. of Samples	MAL (mg/L)
Bromide						0.400
Color (PCU)						—
Nitrate-Nitrite (as N)						—
Sulfide (as S)						—
Sulfite (as SO_3)						—
Surfactants						—
Boron, total						0.020
Iron, total						0.007
Magnesium, total						0.020
Manganese, total						0.0005
Tin, total						0.005
Titanium, total						0.030

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

DESCRIPTION OF APPLICATION

Applicant:	Gladieux Metals Recycling, LLC; Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005461000 (EPA I.D. No. TX0146196)
Regulated activity:	Industrial wastewater permit
Type of application:	New permit
Request:	New permit
Authority:	Federal Clean Water Act (CWA) §402; Texas Water Code (TWC) §26.027; 30 Texas Administrative Code (TAC) Chapter 305, Subchapters C-F, and Chapters 307 and 319; commission policies; and Environmental Protection Agency (EPA) guidelines

EXECUTIVE DIRECTOR RECOMMENDATION

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

REASON FOR PROJECT PROPOSED

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for a new permit.

PROJECT DESCRIPTION AND LOCATION

The applicant currently operates Gladieux Metals Recycling Pond 4, a remediation project for a pond that previously stored intermediate materials.

Gladieux Materials Recycling, LLC (GMR) is an industrial manufacturing plant that began metals recycling operations in 1973. The facility, previously operated by Gulf Chemical & Metallurgical Corporation (GCMC), processed spent refinery catalysts to produce molybdenum oxide, vanadium oxide, cobalt/nickel alloy, and fused alumina. These catalysts became listed hazardous wastes in 1998. The spent catalyst is stored in permitted solid waste management units (SWMUs) at the facility, blended with soda and calcine and the mixture fed to a roaster for removal of organic and sulfur compounds. The roasting process produces a calcine material that is ground and leached with water to remove molybdenum and vanadium compounds, which are further processed to produce molybdenum oxide and vanadium oxide. Alumina concentrates (AC) is also produced and is processed in an electric arc furnace to produce nickel/cobalt alloy and fused alumina. GMR acquired the assets of GCMC on May 10, 2017. The Pond 4 site was constructed approximately 8 miles from the GMR facility on undeveloped land in 1982 for the purpose of containing AC material from GCMS's manufacturing process after approval was received from the Texas Department of Water Resources. According to construction diagrams, Pond 4 was constructed by excavating approximately 13.5 feet below ground surface and replacing a 2-ft thick layer of soil back into the excavation and compacting it to form a clay liner. Native clay was excavated from the pond area and from borrow pits to construct berms 8 ft to 15 ft high. Pond 4 served as a storage area for the AC intermediate product. Four monitoring wells were installed on the north, east, west, and south sides of Pond 4 to monitor for potential leakage into the surrounding groundwater. These wells were replaced in 2012 and two additional monitoring wells installed in 2015. GCMC discontinued placing AC material in Pond 4 in 1990, and installed a cap over the entire area of the pond in 1994 using a 40-mil plastic liner and

earthen cover. Groundwater monitoring continued during this time. in 2008 GCMC requested and was granted by the TCEQ a variance from classification of AC materials stored in Pond 4 as a solid waste and, with TCEQ concurrence, reopened Pond 4 to remove as much of the AC as possible beginning in 2007 continuing to 2009. The AC material was processed for metals reclamation, residual AC material remained in contact with stormwater that accumulated in Pond 4. An affected property assessment report has been completed for the Pond 4 site to facilitate regulatory closure.

The water to be discharged is accumulated stormwater that is present in Pond 4, i.e. stormwater associated with industrial activities. Removal of the stormwater is required in order to complete remediation and closure of the pond, as described in a Response Action Plan approved by the TCEQ Remediation Division. Additional treatment will be provided if needed to minimize the discharge of solids.

The facility is located approximately 1,740 feet east-southeast of the intersection of County Road 223 and Farm-to-Market 523, near the City of Freeport, Brazoria County, Texas 77541.

Discharge Route
The effluent via a pipe is discharged to an unnamed tributary, thence to Bastrop Bayou Tidal in Segment No. 1105 of the San Jacinto-Brazos Coastal Basin. The unclassified receiving water uses are limited aquatic life use for the unnamed tributary (non-tidal: 0.8 mile downstream of outfall) and high aquatic life use for the unnamed tributary (tidal). The designated uses for Segment No. 1105 are primary contact recreation and high aquatic life use. The effluent limits in the draft permit will maintain and protect the existing instream uses. All determinations are preliminary and subject to additional review and revisions.

Antidegradation Review
In accordance with 30 TAC §307.5 and TCEQ's *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in the unnamed tributary (tidal), which has been identified as having high aquatic life use. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

Endangered Species Review
The discharge from this permit action is not expected to have an effect on any federal endangered or threatened aquatic or aquatic dependent species or proposed species or their critical habitat. This determination is based on the United States Fish and Wildlife Service's (USFWS) biological opinion on the State of Texas authorization of the Texas Pollutant Discharge Elimination System (TPDES; September 14, 1998; October 21, 1998 update). To make this determination for TPDES permits, TCEQ and EPA only considered aquatic or aquatic dependent species occurring in watersheds of critical concern or high priority as listed in Appendix A of the USFWS biological opinion. Though the piping plover, *Charadrius melodus Ord*, can occur in Brazoria County, the county is north of Copano Bay and not a watershed of high priority per Appendix A of the biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. The permit does not require EPA review with respect to the presence of endangered or threatened species.

Impaired Water Bodies
Segment No. 1105 is currently listed on the State's inventory of impaired and threatened waters (the 2022 Clean Water Act Section 303(d) list). The list is for bacteria in water from the confluence with

Bastrop Bay 1.1 km (0.7 mi) downstream of the Intracoastal Waterway in Brazoria County to a point 8.6 km (5.3 mi) upstream of Business 288 at Lake Jackson in Brazoria County (AU 1105_01).

The proposed discharge is the accumulated stormwater, and the draft permit does not authorize the discharge of domestic wastewater. In addition, there is no other known sources of bacteria expected in the discharge. Therefore, the permit action is not expected to contribute to the bacteria impairment in the segment.

Completed Total Maximum Daily Loads (TMDLs)
There are no completed TMDLs for Segment No. 1105.

Dissolved Oxygen
Due to the low concentrations of oxygen demanding constituents expected in the wastewater, no significant dissolved oxygen depletion is anticipated in the receiving waters as a result of this discharge.

SUMMARY OF EFFLUENT DATA

Self-reporting data is not available because the facility has not discharged.

DRAFT PERMIT CONDITIONS

The draft permit authorizes the discharge of accumulated stormwater from a pond that previously stored intermediate materials at a daily average flow not to exceed 0.48 million gallons per day (MGD) via Outfall 001.

Effluent limitations are established in the draft permit as follows:

Outfall	Pollutant	Daily Average	Daily Maximum
001	Flow	0.480 MGD	0.60 MGD
	Total Organic Carbon (TOC)	N/A	55 mg/L
	Ammonia (as Nitrogen)	N/A	15 mg/L
	Molybdenum, Total	N/A	30 mg/L
	Vanadium, Total	N/A	30 mg/L
	Oil and Grease	N/A	15 mg/L
	pH	6.0 SU, min	9.0 SU

OUTFALL LOCATION

Outfall	Latitude	Longitude
001	29.071492 N	95.357425 W

Technology-Based Effluent Limitations
Regulations in Title 40 of the Code of Federal Regulations (40 CFR) require that technology-based limitations be placed in wastewater discharge permits based on effluent limitations guidelines (ELGs), where applicable, or on best professional judgment (BPJ) in the absence of guidelines. The discharge of accumulated stormwater is not applicable to any ELGs. The daily maximum effluent limitations for TOC and Oil and Grease are based on BPJ and are consistent with TCEQ's practices for the discharge of stormwater associated with industrial activities. The effluent limitations for ammonia, total molybdenum, and total vanadium are referred to as the Outfall 002 in TPDES Permit No. WQ0001861000 which authorized the stormwater only from the same facility site.

Water Quality-Based Effluent Limitations
Calculations of water quality-based effluent limitations for the protection of aquatic life and human health are presented in Appendix A. Aquatic life criteria established in Table 1 and human health criteria established in Table 2 of 30 TAC Chapter 307 are incorporated into the calculations, as are recommendations in the Water Quality Assessment Team's memorandum dated March 27, 2025. TCEQ practice for determining significant potential is to compare the reported analytical data from the facility against percentages of the calculated daily average water quality-based effluent limitation. Permit limitations are required when analytical data reported in the application exceeds 85 percent of the calculated daily average water quality-based effluent limitation. Monitoring and reporting is required when analytical data reported in the application exceeds 70 percent of the calculated daily average water quality-based effluent limitation.

Several metals data of the accumulated stormwater for aluminum, arsenic, and nickel have been reported in the application; and these metals have been screened using the above methodology. No limits or monitoring requirements are needed for these metals based on the screening conducted. There are no criteria established for cobalt, molybdenum, and vanadium and thus screening for the three metals was not conducted. However, based on the pre-existing condition on the Pond 4, Other Requirement No. 8 has been proposed for testing requirements of the accumulated stormwater. The accumulated stormwater must be sampled and analytical results submitted for review and approval prior to the initial discharge to protect the receiving water quality. The permit may be reopened for additional effluent limits. Based on the discharge entering fresh waters, a comparable Segment No. 1110 has been used for input values of receiving stream water chemistry in the calculations provided in Appendix A.

Total Dissolved Solids (TDS), Chloride, and Sulfate Screening
No analytical data has been submitted with the application. An accumulated stormwater effluent testing requirement has been proposed in the draft permit. The screening will be conducted when the data is received.

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

Whole Effluent Toxicity Testing (Biomonitoring)
Biomonitoring requirements are not included in the draft permit at Outfall 001 because this discharge does not meet the threshold for requiring biomonitoring as established in the Procedures to Implement the Texas Surface Water Quality Standards.

SUMMARY OF CHANGES FROM APPLICATION

No changes were made from the application.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on June 13, 2024, and additional information received on July 3, 2024 and March 24, 2025, and the existing TPDES Permit No. WQ0001861000.

2. TCEQ Rules.
3. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective March 1, 2018, as approved by EPA Region 6.
4. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective March 6, 2014, as approved by EPA Region 6, for portions of the 2018 standards not approved by EPA Region 6.
5. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective July 22, 2010, as approved by EPA Region 6, for portions of the 2014 standards not approved by EPA Region 6.
6. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective August 17, 2000, and Appendix E, effective February 27, 2002, for portions of the 2010 standards not approved by EPA Region 6.
7. *Procedures to Implement the Texas Surface Water Quality Standards* (IPs), Texas Commission on Environmental Quality, June 2010, as approved by EPA Region 6.
8. *Procedures to Implement the Texas Surface Water Quality Standards*, Texas Commission on Environmental Quality, January 2003, for portions of the 2010 IPs not approved by EPA Region 6.
9. Memos from the Standards Implementation Team and Water Quality Assessment Team of the Water Quality Assessment Section of the TCEQ.
10. *Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits*, TCEQ Document No. 98-001.000-OWR-WQ, May 1998.
11. EPA Effluent Guidelines: N/A.
12. Consistency with the Coastal Management Plan: The executive director has reviewed this action for consistency with the goals and policies of the Texas Coastal Management Program (CMP) in accordance with the regulations of the General Land Office and has determined that the action is consistent with the applicable CMP goals and policies.
13. Letter dated May 28, 2014, from L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ, to Bill Honker, Director, Water Quality Protection Division, EPA (TCEQ proposed development strategy for pH evaluation procedures).
14. Letter dated June 2, 2014, from William K. Honker, P.E., Director, Water Quality Protection Division, EPA, to L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ (Approval of TCEQ proposed development strategy for pH evaluation procedures).
15. General Guidance – Industrial Permits: Uncontaminated Stormwater Runoff, EPA, January 1997.

PROCEDURES FOR FINAL DECISION

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

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

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

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

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

If the Executive Director calls a public meeting or the commission grants a contested case hearing as described above, the commission will give notice of the date, time, and place of the meeting or hearing. If a hearing request or request for reconsideration is made, the commission will consider all public comments in making its decision and shall either adopt the Executive Director's response to public comments or prepare its own response.

For additional information about this application, contact Ruiqiang Zong at (512) 239-4589.

Ruiqiang Zong
Ruiqiang Zong

July 15, 2025
Date

TEXTOX MENU #7 - INTERMITTENT STREAM WITH PERENNIAL POOLS

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

Table 1, 2014 Texas Surface Water Quality Standards (30 TAC 307) for Freshwater Aquatic Life
Table 2, 2018 Texas Surface Water Quality Standards for Human Health, Incidental Fishery
"Procedures to Implement the Texas Surface Water Quality Standards," TCEQ, June 2010

PERMIT INFORMATION

Permittee Name:	Gladieux Metals Recycling LLC
TPDES Permit No.:	WQ0005461000
Outfall No.:	001
Prepared by:	RUIQIANG ZONG
Date:	July 15, 2025

DISCHARGE INFORMATION

Intermittent Receiving Waterbody:	an unnamed tributary	
Segment No.:	1110	used as surrogate segment
TSS (mg/L):	16	
pH (Standard Units):	7.4	
Hardness (mg/L as $CaCO_3$):	143	
Chloride (mg/L):	75	
Effluent Flow for Aquatic Life (MGD):	0.48	
Critical Low Flow [7Q2] (cfs):	0	
% Effluent for Chronic Aquatic Life:	100	
% Effluent for Acute Aquatic Life:	100	
Effluent Flow for Human Health (MGD):	0.48	
Harmonic Mean Flow (cfs):	0.2	
% Effluent for Human Health:	78.784	

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

Stream/River Metal	*Intercept (b)*	*Slope (m)*	*Partition Coefficient (Kp)*	*Dissolved Fraction (Cd/Ct)*	*Source*	*Water Effect Ratio (WER)*	*Source*
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	63240.08	0.497		1.00	Assumed
Cadmium	6.60	-1.13	173517.95	0.265		1.00	Assumed
Chromium (total)	6.52	-0.93	251286.07	0.199		1.00	Assumed
Chromium (trivalent)	6.52	-0.93	251286.07	0.199		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	134570.92	0.317		1.00	Assumed
Lead	6.45	-0.80	306693.11	0.169		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	100844.36	0.383		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	137961.03	0.312		1.00	Assumed
Zinc	6.10	-0.70	180765.69	0.257		1.00	Assumed

AQUATIC LIFE

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*FW Acute Criterion (µg/L)*	*FW Chronic Criterion (µg/L)*	*WLAa (µg/L)*	*WLAc (µg/L)*	*LTAa (µg/L)*	*LTAc (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Aldrin	3.0	N/A	3.0	N/A	1.72	N/A	2.53	5.35
Aluminum	991	N/A	991	N/A	568	N/A	835	1766
Arsenic	340	150	684	302	392	232	342	723
Cadmium	12.1	0.315	45.9	1.19	26.3	0.92	1.35	2.85
Carbaryl	2.0	N/A	2.0	N/A	1.15	N/A	1.68	3.56
Chlordane	2.4	0.004	2.4	0.004	1.38	0.0031	0.0045	0.0096
Chlorpyrifos	0.083	0.041	0.083	0.041	0.048	0.032	0.046	0.098
Chromium (+3)	764	99	3834	499	2197	384	565	1194
Chromium (+6)	15.7	10.6	15.7	10.6	9.00	8.16	12.0	25.4
Copper	19.9	12.9	62.7	40.5	35.9	31.2	45.9	97.1
Cyanide (free)	45.8	10.7	45.8	10.7	26.2	8.24	12.1	25.6
4,4'-DDT	1.1	0.001	1.1	0.001	0.630	0.00077	0.0011	0.0024
Demeton	N/A	0.1	N/A	0.1	N/A	0.077	0.113	0.239
Diazinon	0.17	0.17	0.17	0.17	0.097	0.131	0.143	0.303
Dicofol	59.3	19.8	59.3	19.8	34.0	15.2	22.4	47.4
Dieldrin	0.24	0.002	0.24	0.002	0.138	0.0015	0.0023	0.0048
Diuron	210	70	210	70	120	53.9	79.2	168
Endosulfan I (alpha)	0.22	0.056	0.22	0.056	0.126	0.043	0.063	0.134
Endosulfan II (beta)	0.22	0.056	0.22	0.056	0.126	0.043	0.063	0.134
Endosulfan sulfate	0.22	0.056	0.22	0.056	0.126	0.043	0.063	0.134
Endrin	0.086	0.002	0.086	0.002	0.049	0.0015	0.0023	0.0048
Guthion	N/A	0.01	N/A	0.01	N/A	0.0077	0.011	0.024
Heptachlor	0.52	0.004	0.52	0.004	0.298	0.0031	0.0045	0.0096
Hexachlorocyclohexane (Lindane)	1.126	0.08	1.126	0.08	0.645	0.062	0.091	0.192
Lead	95	3.71	562	21.9	322	16.9	24.8	52.4
Malathion	N/A	0.01	N/A	0.01	N/A	0.0077	0.011	0.024
Mercury	2.4	1.3	2.4	1.3	1.38	1.00	1.47	3.11
Methoxychlor	N/A	0.03	N/A	0.03	N/A	0.023	0.034	0.072
Mirex	N/A	0.001	N/A	0.001	N/A	0.00077	0.0011	0.0024
Nickel	634	70.4	1656	184	949	142	208	441
Nonylphenol	28	6.6	28	6.6	16.0	5.08	7.47	15.8
Parathion (ethyl)	0.065	0.013	0.065	0.013	0.037	0.010	0.015	0.031
Pentachlorophenol	13.0	10.0	13.0	10.0	7.5	7.7	11.0	23.2
Phenanthrene	30	30	30	30	17.2	23.1	25.3	53.5
Polychlorinated Biphenyls (PCBs)	2.0	0.014	2.0	0.014	1.15	0.011	0.016	0.034
Selenium	20	5	20	5	11.5	3.85	5.66	12.0
Silver	0.8	N/A	16.28	N/A	9.33	N/A	13.71	29.0
Toxaphene	0.78	0.0002	0.78	0.0002	0.447	0.00015	0.00023	0.00048
Tributyltin (TBT)	0.13	0.024	0.13	0.024	0.074	0.018	0.027	0.057
2,4,5 Trichlorophenol	136	64	136	64	77.9	49.3	72.4	153
Zinc	159	160	618	623	354	479	520	1100

HUMAN HEALTH (APPLIES FOR INCIDENTAL FRESHWATER FISH TISSUE)

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*Incidental Fish Criterion (µg/L)*	*WLAh (µg/L)*	*LTAh (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Acrylonitrile	1150	1460	1358	1996	4222
Aldrin	1.147E-04	1.46E-04	1.35E-04	1.99E-04	4.21E-04
Anthracene	13170	16717	15547	22853	48350
Antimony	10710	13594	12643	18585	39319
Arsenic	N/A	N/A	N/A	N/A	N/A
Barium	N/A	N/A	N/A	N/A	N/A
Benzene	5810	7375	6858	10082	21330
Benzidine	1.07	1.36	1.26	1.86	3.9
Benzo(*a*)anthracene	0.25	0.317	0.295	0.43	0.92
Benzo(*a*)pyrene	0.025	0.032	0.030	0.043	0.092
Bis(chloromethyl)ether	2.745	3.48	3.24	4.8	10.1
Bis(2-chloroethyl)ether	428.3	544	506	743	1572
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	75.5	96	89	131	277
Bromodichloromethane [Dichlorobromomethane]	2750	3491	3246	4772	10096
Bromoform [Tribromomethane]	10600	13455	12513	18394	38915
Cadmium	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	460	584	543	798	1689
Chlordane	0.025	0.032	0.030	0.043	0.092
Chlorobenzene	27370	34741	32309	47494	100481
Chlorodibromomethane [Dibromochloromethane]	1830	2323	2160	3176	6718
Chloroform [Trichloromethane]	76970	97698	90859	133563	282572
Chromium (hexavalent)	5020	6372	5926	8711	18429
Chrysene	25.2	32.0	29.7	44	93
Cresols [Methylphenols]	93010	118058	109794	161397	341458
Cyanide (free)	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	0.02	0.025	0.024	0.035	0.073
4,4'-DDE	0.0013	0.0017	0.0015	0.0023	0.0048
4,4'-DDT	0.004	0.005	0.005	0.007	0.015
2,4'-D	N/A	N/A	N/A	N/A	N/A
Danitol [Fenpropathrin]	4730	6004	5584	8208	17365
1,2-Dibromoethane [Ethylene Dibromide]	42.4	54	50	74	156
m-Dichlorobenzene [1,3-Dichlorobenzene]	5950	7552	7024	10325	21844
o-Dichlorobenzene [1,2-Dichlorobenzene]	32990	41874	38943	57246	121113
p-Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	22.4	28.4	26.4	39	82
1,2-Dichloroethane	3640	4620	4297	6316	13363
1,1-Dichloroethylene [1,1-Dichloroethene]	551140	699562	650593	956371	2023343
Dichloromethane [Methylene Chloride]	133330	169236	157389	231362	489481
1,2-Dichloropropane	2590	3287	3057	4494	9508
1,3-Dichloropropene [1,3-Dichloropropylene]	1190	1510	1405	2065	4369
Dicofol [Kelthane]	3	3.8	3.54	5.2	11.0
Dieldrin	2.0E-04	2.54E-04	2.36E-04	3.47E-04	7.34E-04
2,4-Dimethylphenol	84360	107078	99583	146387	309702
Di-*n*-Butyl Phthalate	924	1173	1091	1603	3392
Dioxins/Furans [TCDD Equivalents]	7.97E-07	1.01E-06	9.41E-07	1.38E-06	2.93E-06
Endrin	0.2	0.254	0.236	0.347	0.73
Epichlorohydrin	20130	25551	23762	34931	73901
Ethylbenzene	18670	23698	22039	32397	68541
Ethylene Glycol	1.68E+08	2.13E+08	1.98E+08	2.92E+08	6.17E+08

HUMAN HEALTH (APPLIES FOR INCIDENTAL FRESHWATER FISH TISSUE)

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*Incidental Fish Criterion (µg/L)*	*WLAh (µg/L)*	*LTAh (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Fluoride	N/A	N/A	N/A	N/A	N/A
Heptachlor	0.001	0.0013	0.0012	0.0017	0.0037
Heptachlor Epoxide	0.0029	0.0037	0.0034	0.005	0.011
Hexachlorobenzene	0.0068	0.009	0.008	0.012	0.025
Hexachlorobutadiene	2.2	2.79	2.60	3.8	8.1
Hexachlorocyclohexane (*alpha*)	0.084	0.107	0.099	0.146	0.308
Hexachlorocyclohexane (*beta*)	2.6	3.30	3.07	4.5	9.5
Hexachlorocyclohexane (*gamma*) [Lindane]	3.41	4.3	4.0	5.9	12.5
Hexachlorocyclopentadiene	116	147	137	201	426
Hexachloroethane	23.3	29.6	27.5	40	86
Hexachlorophene	29	36.8	34.2	50	106
4,4'-Isopropylidenediphenol [Bisphenol A]	159820	202860	188659	277329	586731
Lead	38.3	287	267	393	831
Mercury	0.122	0.155	0.144	0.212	0.45
Methoxychlor	30	38	35	52	110
Methyl Ethyl Ketone	9.92E+06	1.26E+07	1.17E+07	1.72E+07	3.64E+07
Methyl *tert*-butyl ether [MTBE]	104820	133048	123735	181890	384815
Nickel	11400	37818	35170	51700	109380
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	18730	23774	22110	32501	68762
N-Nitrosodiethylamine	21	26.7	24.8	36.4	77
N-Nitroso-di-*n*-Butylamine	42	53	50	73	154
Pentachlorobenzene	3.55	4.5	4.2	6.2	13.0
Pentachlorophenol	2.9	3.68	3.42	5.0	10.6
Polychlorinated Biphenyls [PCBs]	6.40E-03	0.008	0.008	0.011	0.023
Pyridine	9470	12020	11179	16433	34766
Selenium	N/A	N/A	N/A	N/A	N/A
1,2,4,5-Tetrachlorobenzene	2.4	3.05	2.83	4.2	8.8
1,1,2,2-Tetrachloroethane	263.5	334	311	457	967
Tetrachloroethylene [Tetrachloroethylene]	2800	3554	3305	4859	10279
Thallium	2.3	2.92	2.72	4.0	8.4
Toluene	N/A	N/A	N/A	N/A	N/A
Toxaphene	0.11	0.140	0.130	0.191	0.40
2,4,5-TP [Silvex]	3690	4684	4356	6403	13547
1,1,1-Trichloroethane	7843540	9955805	9258899	13610581	28795176
1,1,2-Trichloroethane	1660	2107	1960	2881	6094
Trichloroethylene [Trichloroethene]	719	913	849	1248	2640
2,4,5-Trichlorophenol	18670	23698	22039	32397	68541
TTHM [Sum of Total Trihalomethanes]	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	165	209	195	286	606

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

Aquatic Life	***70% of Daily Avg.***	***85% of Daily Avg.***
Parameter	***(µg/L)***	***(µg/L)***
Aldrin	1.77	2.15
Aluminum	584	710
Arsenic	239	290
Cadmium	0.94	1.15
Carbaryl	1.18	1.43
Chlordane	0.0032	0.0038
Chlorpyrifos	0.032	0.039
Chromium (+3)	395	480
Chromium (+6)	8.40	10.2
Copper	32.1	39.0
Cyanide (free)	8.48	10.3
4,4'-DDT	0.00079	0.00096
Demeton	0.079	0.096
Diazinon	0.100	0.122
Dicofol	15.7	19.0
Dieldrin	0.0016	0.0019
Diuron	55.5	67.3
Endosulfan (alpha)	0.044	0.054
Endosulfan (beta)	0.044	0.054
Endosulfan sulfate	0.044	0.054
Endrin	0.0016	0.0019
Guthion	0.0079	0.0096
Heptachlor	0.0032	0.0038
Hexachlorocyclohexane (Lindane)	0.063	0.077
Lead	17.3	21.1
Malathion	0.0079	0.0096
Mercury	1.03	1.25
Methoxychlor	0.024	0.029
Mirex	0.00079	0.00096
Nickel	146	177
Nonylphenol	5.23	6.35
Parathion (ethyl)	0.010	0.013
Pentachlorophenol	7.7	9.3
Phenanthrene	17.7	21.5
Polychlorinated Biphenyls (PCBs)	0.011	0.013
Selenium	3.96	4.81
Silver	9.60	11.66
Toxaphene	0.00016	0.00019
Tributyltin (TBT)	0.019	0.023
2,4,5 Trichlorophenol	50.7	61.6
Zinc	364	442

Human Health	***70% of Daily Avg.***	***85% of Daily Avg.***
Parameter	***(µg/L)***	***(µg/L)***
Acrylonitrile	1397	1696
Aldrin	1.39E-04	1.69E-04
Anthracene	15997	19425
Antimony	13009	15797
Arsenic	N/A	N/A
Barium	N/A	N/A
Benzene	7057	8570
Benzidine	1.30	1.58
Benzo(*a*)anthracene	0.304	0.369
Benzo(*a*)pyrene	0.030	0.037
Bis(chloromethyl)ether	3.33	4.0
Bis(2-chloroethyl)ether	520	632
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	92	111
Bromodichloromethane [Dichlorobromomethane]	3340	4056
Bromoform [Tribromomethane]	12876	15635
Cadmium	N/A	N/A
Carbon Tetrachloride	559	678
Chlordane	0.030	0.037
Chlorobenzene	33246	40370
Chlorodibromomethane [Dibromochloromethane]	2223	2699
Chloroform [Trichloromethane]	93494	113529
Chromium (hexavalent)	6098	7404
Chrysene	30.6	37
Cresols [Methylphenols]	112978	137187
Cyanide (free)	N/A	N/A
4,4'-DDD	0.024	0.029
4,4'-DDE	0.0016	0.0019
4,4'-DDT	0.005	0.006
2,4'-D	N/A	N/A
Danitol [Fenpropathrin]	5745	6977
1,2-Dibromoethane [Ethylene Dibromide]	52	63
m-Dichlorobenzene [1,3-Dichlorobenzene]	7227	8776
o-Dichlorobenzene [1,2-Dichlorobenzene]	40072	48659
p-Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A
3,3'-Dichlorobenzidine	27.2	33.0
1,2-Dichloroethane	4421	5369
1,1-Dichloroethylene [1,1-Dichloroethene]	669460	812916
Dichloromethane [Methylene Chloride]	161954	196658
1,2-Dichloropropane	3146	3820
1,3-Dichloropropene [1,3-Dichloropropylene]	1445	1755
Dicofol [Kelthane]	3.64	4.4
Dieldrin	2.43E-04	2.95E-04
2,4-Dimethylphenol	102471	124429
Di-*n*-Butyl Phthalate	1122	1363
Dioxins/Furans [TCDD Equivalents]	9.68E-07	1.18E-06
Endrin	0.243	0.295
Epichlorohydrin	24452	29691
Ethylbenzene	22678	27538
Ethylene Glycol	2.04E+08	2.48E+08
Fluoride	N/A	N/A
Heptachlor	0.0012	0.0015
Heptachlor Epoxide	0.0035	0.0043

Human Health	***70% of Daily Avg.***	***85% of Daily Avg.***
Parameter	***(µg/L)***	***(µg/L)***
Hexachlorobenzene	0.008	0.010
Hexachlorobutadiene	2.67	3.24
Hexachlorocyclohexane (*alpha*)	0.102	0.124
Hexachlorocyclohexane (*beta*)	3.16	3.8
Hexachlorocyclohexane (*gamma*) [Lindane]	4.1	5.0
Hexachlorocyclopentadiene	141	171
Hexachloroethane	28.3	34.4
Hexachlorophene	35.2	43
4,4'-Isopropylidenediphenol [Bisphenol A]	194130	235730
Lead	275	334
Mercury	0.148	0.180
Methoxychlor	36.4	44
Methyl Ethyl Ketone	1.20E+07	1.46E+07
Methyl *tert*-butyl ether [MTBE]	127323	154606
Nickel	36190	43945
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A
Nitrobenzene	22751	27626
N-Nitrosodiethylamine	25.5	31.0
N-Nitroso-di-*n*-Butylamine	51	62
Pentachlorobenzene	4.3	5.2
Pentachlorophenol	3.52	4.3
Polychlorinated Biphenyls [PCBs]	0.008	0.009
Pyridine	11503	13968
Selenium	N/A	N/A
1,2,4,5-Tetrachlorobenzene	2.92	3.54
1,1,2,2-Tetrachloroethane	320	389
Tetrachloroethylene [Tetrachloroethylene]	3401	4130
Thallium	2.79	3.39
Toluene	N/A	N/A
Toxaphene	0.134	0.162
2,4,5-TP [Silvex]	4482	5443
1,1,1-Trichloroethane	9.53E+06	1.16E+07
1,1,2-Trichloroethane	2016	2448
Trichloroethylene [Trichloroethene]	873	1061
2,4,5-Trichlorophenol	22678	27538
TTHM [Sum of Total Trihalomethanes]	N/A	N/A
Vinyl Chloride	200	243

Appendix B
Comparison of Effluent Limits

The following table is a summary of technology-based effluent limitations calculated/assessed in the draft permit (Technology-Based), calculated/ assessed water quality-based effluent limitations (Water Quality-Based), and proposed effluent limitations in the draft permit.

Outfall	*Pollutant*	*Technology-Based*		*Water Quality-Based*		*Draft Permit*	
		Daily Avg	*Daily Max*	*Daily Avg*	*Daily Max*	*Daily Avg*	*Daily Max*
		mg/L	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
001	Flow	0.480 MGD	0.60 MGD	-	-	0.480 MGD	0.60 MGD
	TOC	N/A	55	-	-	N/A	55
	Oil and Grease	N/A	15	-	-	N/A	15
	Ammonia (as Nitrogen)	N/A	15			N/A	15
	Total Molybdenum	N/A	30			N/A	30
	Total Vanadium	N/A	30			N/A	30
	pH	6.0 SU (minimum)	9.0 SU (maximum)	-	-	6.0 SU (minimum)	9.0 SU

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

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

APPLICANT NAME: Gladieux Metals Recycling LLC

PERMIT NUMBER (If new, leave blank): WQ00 N/A

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

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

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

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

Applicant Name: Gladieux Metals Recycling LLC

Permit No.: WQ000N/A

EPA ID No.: TX0N/A

Expiration Date: N/A

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

☐ Industrial Wastewater (wastewater and stormwater)

☒ Industrial Stormwater (stormwater only)

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

☐ Active ☒ Inactive

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

☒ TPDES Permit ☐ TLAP ☐ TPDES with TLAP component

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

☒ New

☐ Renewal with changes ☐ Renewal without changes

☐ Major amendment with renewal ☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

f. If applying for an amendment or modification, describe the request: N/A

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

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

g. Application Fee

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

h. Payment Information

Mailed

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

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

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

Epay

Voucher number: 709349, 709350

Copy of voucher attachment: Attachment 1.0-0

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN605364843

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: Gladieux Metals Recycling LLC

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): Bhatt/Tarun

Title: CEO Credential: N/A

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

☒ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Yes ☐ No

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

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

a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: 1.0-1

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

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

a. ☒ Administrative Contact . ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Haak/Matthew

Title: Project Manager Credential: N/A

Organization Name: Kleinfelder, Inc.

Mailing Address: 12000 Aerospace Ave, Suite 450 City/State/Zip: Houston, TX 77034

Phone No: 281-922-4766 Email: mhaak@kleinfelder.com

b. ☒ Administrative Contact ☐ Technical Contact

Prefix: Ms. Full Name (Last/First Name): LeBlanc/Judy

Title: Env. H & S Specialist Credential: N/A

Organization Name: Gladieux Metals Recycling LLC

Mailing Address: 302 Midway Road City/State/Zip: Freeport, TX 77542

Phone No: 979-415-1547 Email: JLeBlanc@aleonmetals.com

Attachment: N/A

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

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

a. Prefix: Mr. Full Name (Last/First Name): Haak/Matthew

Title: Project Manager Credential: N/A

Organization Name: Kleinfelder, Inc.

Mailing Address: 12000 Aerospace Ave., Suite 450 City/State/Zip: Houston, TX 77034

Phone No: 281-922-4766 Email: mhaak@kleinfelder.com

b. Prefix: Ms. Full Name (Last/First Name): LeBlanc/Judy

Title: Env. H & S Specialist Credential: N/A

Organization Name: Gladieux Metals Recycling LLC

Mailing Address: 302 Midway Road City/State/Zip: Freeport, TX 77542

Phone No: 979-415-1547 Email: JLeBlanc@aleonmetals.com

Attachment: N/A

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

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

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

Prefix: Ms. Full Name (Last/First Name): LeBlanc/Judy

Title: Env. H & S Specialist Credential: N/A

Organization Name: Gladieux Metals Recycling LLC

Mailing Address: 302 Midway Road City/State/Zip: Freeport, TX 77542

Phone No: 979-415-1547 Email: JLeBlanc@aleonmetals.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): Haak/Matthew

Title: Project Manager Credential: N/A

Organization Name: Kleinfelder, Inc.

Mailing Address: 12000 Aerospace Ave., Suite 450 City/State/Zip: Houston, TX 77034

Phone No: 281-922-4766 Email: mhaak@kleinfelder.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr/ Full Name (Last/First Name): Haak/Matthew

Title: Project Manager Credential: N/A

Organization Name: Kleinfelder, Inc.

Mailing Address: 12000 Aerospace Ave., Suite 450 City/State/Zip: Houston, TX 77034

Phone No: 281-922-4766 Email: mhaak@kleinfelder.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: mhaak@kleinfelder.com

☐ Fax: Click to enter text.

☒ Regular Mail (USPS)

Mailing Address: 12000 Aerospace Ave., Suite 450

City/State/Zip Code: Houston, TX 77034

c. Contact in the Notice

Prefix: Ms. Full Name (Last/First Name): LeBlanc/Judy

Title: Env. H & S Specialist Credential: N/A

Organization Name: Gladieux Metals Recycling LLC

Phone No: 979-415-1547 Email: JLeBlanc@aleonmetals.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: Brazoria County Courthouse Location within the building: Suite 200

Physical Address of Building: 111 E. Locust Street, Suite 200

City: Angleton, TX 77515 County: Brazoria

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? N/A

f. Plain Language Summary Template – Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: 1.0-2 Plain Language Summary

g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: 1.0-3 Public Involvement Plan

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

a. TCEQ issued Regulated Entity Number (RN), if available: RN100210129

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

b. Name of project or site (the name known by the community where located): Pond 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: N/A Full Name (Last/First Name): N/A

or Organization Name: Gladieux Metals Recycling LLC

Mailing Address: 302 Midway Road City/State/Zip: Freeport, TX 77542

Phone No: 979-415-1547 Email: JLeBlanc@aleonmetals.com

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

f. Owner of land where treatment facility is or will be: Gladieux Metals Recycling LLC

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

or Organization Name: Gladieux Metals Recycling LLC

Mailing Address: 302 Midway Road. City/State/Zip: Freeport, TX 77542

Phone No: 979-415-1547 Email: JLeBlanc@aleonmetals.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: N/A

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

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

or Organization Name: Click to enter text.

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

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

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

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: N/A

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

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

☐ Yes ☒ No

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

☒ One-mile radius

☒ Applicant's property boundaries

☒ Labeled point(s) of discharge

☐ Effluent disposal site boundaries

☐ Sewage sludge disposal site

☒ Three-miles downstream information

☐ Treatment facility boundaries

☒ Highlighted discharge route(s)

☒ All wastewater ponds

☐ New and future construction

Attachment: 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: N/A

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

☐ Yes ☒ No or New Permit

If no, or a new application, provide an accurate location description: The point of discharge is at an intermittent stream approximately 1,700 feet directly south of the pond to be emptied.

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: The discharge route is south from the pond by the most direct pathway across private property.

f. City nearest the outfall(s): Freeport

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

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: N/A

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

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

☐ Yes No or New Permit ☐ N/A

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

j. City nearest the disposal site: N/A

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

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

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

Item 12. Miscellaneous Information (Instructions, Page 33)

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

☐ Yes ☒ No

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

b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account no.: Click to enter text.

Total amount due: Click to enter text.

c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: Click to enter text.

Amount due: Click to enter text.

Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ000N/A

Applicant Name: Gladieux Metals Recycling LLC

Certification: I, Tarun Bhatt, 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): Tarun Bhatt

Signatory title: CEO

Signature: Tarun Bhatt (Use blue ink) Date: 5/30/24

Subscribed and Sworn to before me by the said Tarun Bhatt - CEO

on this 31st day of May, 2024.

My commission expires on the 4th day of March, 2028.

Martha Estrada
Notary Public

MARTHA ESTRADA
ID #132977694
My Commission Expires
March 04, 2028

[SEAL]

Brazoria
County, Texas

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

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

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

☒ The applicant's property boundaries.

☒ The facility site boundaries within the applicant's property boundaries.

☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone.

☒ The property boundaries of all landowners surrounding the applicant's property. (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)

☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream.

☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge.

☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides.

☐ The boundaries of the effluent disposal site (e.g., irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property.

☐ The property boundaries of all landowners surrounding the applicant's property boundaries where the effluent disposal site is located.

☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners within one-quarter mile of the applicant's property boundaries where the sewage sludge land application site is located.

☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (e.g., sludge surface disposal site or sludge monofil) is located.

Attachment: 1.1-1 Landowner Map

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

☒ Readable/Writeable CD ☐ Four sets of labels

Attachment: 1.1-2 Landowner List

d. Provide the source of the landowners' names and mailing addresses: Brazoria County Appraisal District

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

☐ Yes ☒ No

If yes, provide the location and foreseeable impacts and effects this application has on the land(s): N/A

Item 2. Original Photographs (Instructions, Page 37)

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

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

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

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

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

Attachment: 1.1-3 Point of Discharge Photos

INDUSTRIAL WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: 1.1-4 Supplemental Permit Information Form

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Permit No:** WQ000N/A

1. Check or Money Order Number: Click to enter text.
2. Check or Money Order Amount: Click to enter text.
3. Date of Check or Money Order: Click to enter text.
4. Name on Check or Money Order: Click to enter text.
5. APPLICATION INFORMATION

   Name of Project or Site: Click to enter text.

   Physical Address of Project or Site: Click to enter text.

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Item 1. Individual information (Instructions, Page 38)

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

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

Full legal name (first, middle, and last): Click to enter text.

Driver's License or State Identification Number: Click to enter text.

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

City, State, and Zip Code: Click to enter text.

Phone No.: Click to enter text.

Fax No.: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

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

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

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

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

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

Things to Know:

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

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

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

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

☒ Plain Language Summary

Attachment 1.0-0

Copy of Payment Voucher

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number:	582EA000613979
Date:	06/13/2024 10:55 AM
Payment Method:	CC - Authorization 000005496Z
ePay Actor:	ROXIE VORAN
Actor Email:	rvoran@kleinfelder.com
IP:	165.225.216.151
TCEQ Amount:	$350.00
Texas.gov Price:	$358.13*

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

Payment Contact Information

Name:	ELLE NICHOLS
Company:	KLEINFELDER INC
Address:	1929 NORCREST, HOUSTON, TX 77055
Phone:	713-416-4904

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
709349	WW PERMIT - MINOR FACILITY NOT SUBJECT TO 40 CFR 400-471 - NEW		$300.00
709350	30 TAC 305.53B WQ NOTIFICATION FEE		$50.00
		TCEQ Amount:	$350.00

ePay Again | Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

Attachment 1.0-1

Core Data Form

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 605364843		RN 100210129

SECTION II: Customer Information

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

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

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

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

Gladieux Metals Recycling LLC

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
0802692158	32063380052	82-1096057	

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

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

13. Independently Owned and Operated?
☐ Yes ☒ No

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

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

15. Mailing Address:

P.O. Box 2290

City	Freeport	State	TX	ZIP	77542	ZIP + 4	2290

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

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

(979) 415-1500		( ) -

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.)*

Pond 4

23. Street Address of the Regulated Entity: *(No PO Boxes)*								
	City		**State**		**ZIP**		**ZIP + 4**	
24. County								

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

25. Description to Physical Location:	From the intersction of FM 523 and County Road 223, approximately 1,350 feet south and Pond 4 is located approximately 950 feet east-northeast of FM 523

26. Nearest City	**State**	**Nearest ZIP Code**
Freeport	TX	77542

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

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	4	36.4	95	21	30.4

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)
3341		331420	331423

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

Previously stored intermediate material.

34. Mailing Address:	**P.O. Box 2290**							
	City	**Freeport**	**State**	**TX**	**ZIP**	**77542**	**ZIP + 4**	**2290**

35. E-Mail Address:	JLeBlanc@aleonmetals.com

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(979) 415-1547		( ) -

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:

SECTION IV: Preparer Information

40. Name:	Roxie Voran	41. Title:	Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(281) 922-4766		( ) -	rvoran@kleinfelder.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:	Gladieux Metals Recycling, LLC	Job Title:	CEO
Name *(In Print)*:	Tarun Bhatt	Phone:	(979-415-1500
Signature:	Tarun Bhatt	Date:	05/30/2024

Attachment 1.0-2

Plain Language Summary
TCEQ Form 20972

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL WASTEWATER/STORMWATER

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

Gladieux Metals Recycling LLC (CN605364843) proposes to operate Pond 4 remediation project (RN100210129), a remediation project under the jurisdiction of the TCEQ. The facility is located at FM 523, 1350 feet south of County Road 223, in Freeport, Brazoria County, Texas 77542. The Gladieux Metals Recycling LLC (GMR) facility, located in Freeport, was formerly operated by Gulf Chemical & Metallurgical Corporation (GCMC) beginning in the 1970s, and recovers metals including nickel, cobalt, vanadium and molybdenum from spent refinery catalysts. GCMC constructed Pond 4 in the early 1980s east of FM 523 about eight miles north of Freeport and about one-quarter mile south of the intersection of FM 523 and County Road 223. The pond was used to store alumina concentration (AC) which is an intermediate product in the metals recovery process and was transported from the facility in Freeport. The AC material was placed in the pond, covered, and remained until it was removed from Pond 4 in 2006 to be taken for processing. Since that time, Pond 4 has filled with storm water. Gladieux Metals is working with the TCEQ Remediation Division to close Pond 4 and the

accumulated storm water needs to be removed. The storm water contains very low concentrations of dissolved metals. This permit will allow discharge of up to 100,000 gallons per day of the storm water into nearby surface water drainage. The discharge will be monitored in accordance with permit requirements and any wastes generated during the discharge process will be removed for off-site disposal. Discharge of the contained storm water under this permit will allow the Pond 4 facility to be filled and closed. *<<For TLAP applications include the following sentence, otherwise delete:>>* This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain low concentrations of dissolved metals including vanadium, molybdenum, nickel, cobalt, aluminum and arsenic. The discharge will include storm water that has accumulated in the pond and will be treated by methods to be determined, if needed based on sampling data, although the very low concentrations are unliekly to require treatment. Alternatively, if needed some of the storm water may be transported to the GMR facility for treatment and discharge.

Attachment 1.0-3

Public Involvement Plan
TCEQ Form 20960

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

☒ New Permit or Registration Application
☐ New Activity - modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

☒ Requires public notice,
☐ Considered to have significant public interest, **and**
☐ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

If all the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2 and submit the form.

☐ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☒ Texas Pollutant Discharge Elimination System (TPDES)

☐ Texas Land Application Permit (TLAP)

☐ State Only Concentrated Animal Feeding Operation (CAFO)

☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Gladieux Metals Recycling LLC (GMR) proposes to operate Pond 4 remediation project, a remediation project under the jurisdiction of the TCEQ. The facility is located east of FM 523, 1350 feet south of County Road 223, in Freeport, Brazoria County, Texas 77542. The GMR facility, located in Freeport, was formerly operated by Gulf Chemical & Metallurgical Corporation (GCMC) beginning in the 1970s, and recovers metals including nickel, cobalt, vanadium and molybdenum from spent refinery catalysts. GCMC constructed Pond 4 in the early 1980s east of FM 523 about eight miles north of Freeport. The pond was used to store alumina concentration (AC) which is an intermediate product in the metals recovery process and was transported from the facility in Freeport. The AC material was placed in the pond, covered, and remained until removed from Pond 4 in 2006 to be taken for processing. Since then, Pond 4 has filled with storm water. GMR is working with the TCEQ Remediation Division to close Pond 4 and the accumulated storm water needs to be removed. The storm water contains very low concentrations of dissolved metals. This permit will allow discharge of up to 100,000 gallons per day of the storm water into nearby surface water drainage. The discharge will be monitored in accordance with permit requirements and any wastes generated during the discharge process will be removed for off-site disposal. Discharge of the contained storm water under this permit will allow the Pond 4 facility to be filled and closed

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

Freeport

(City)

Brazoria

(County)

6641

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

☐ City ☐ County ☒ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

88%

(b) Per capita income for population near the specified location

$35,799

(c) Percent of minority population and percent of population by race within the specified location

White - 46%; Hispanic - 44%; Black - 7%; Asian - 1%; Two or more races - 1%

(d) Percent of Linguistically Isolated Households by language within the specified location

Limited English - 3%

(e) Languages commonly spoken in area by percentage

English is the predominant language spoken.
Limited English (Spanish) - 3%

(f) Community and/or Stakeholder Groups

Not known

(g) Historic public interest or involvement

Not known

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☒ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☒ No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☒ No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☒ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☒ No

(f) Hard copies of the application will be available at the following (check all that apply):

☐ TCEQ Regional Office ☑ TCEQ Central Office

☑ Public Place (specify) Brazoria Co Courthouse, Ste 200, 111 E Locust St, Angleton

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

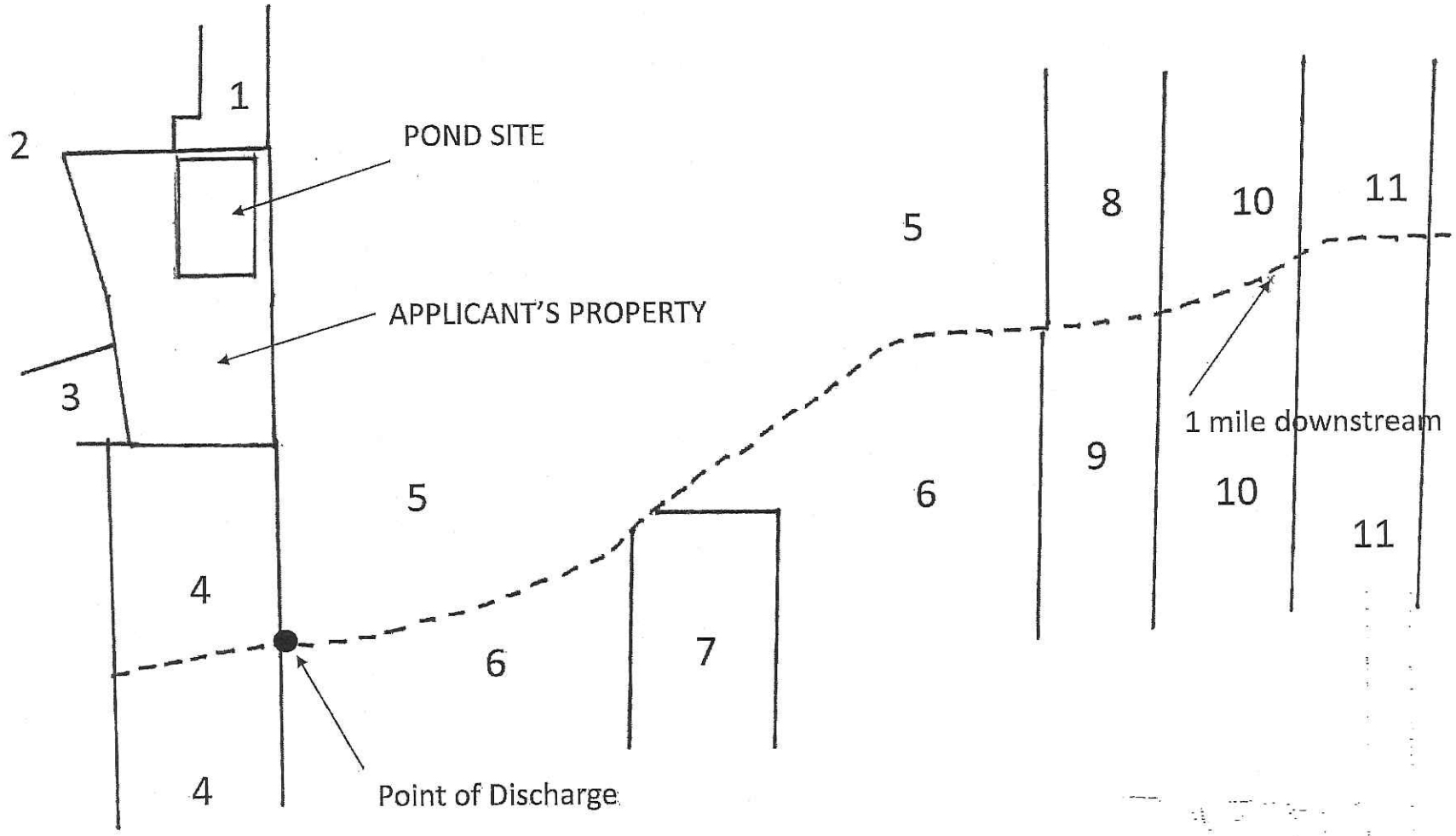
Attachment 1.0-4

Topographic Map
USGS Oyster Creek 7.5 Minute Quadrangle


One Mile Radius
Property Boundary
Pond
Point of Discharge
Three Miles Downstream

Attachment 1.1 - 1

Landowner Map


1
2
POND SITE
APPLICANT'S PROPERTY
3
4
5
6
7
4
Point of Discharge
5
8
10
11
6
9
10
11
1 mile downstream

BCAD Parcel No.	Landowner Name & Address	Map ID
ADJACENT		
164038	Hany Family Trust P.O. Box 940938 Houston, TX 77094-7938	4
164045	Freeport Land Company LLC P.O. Box 2290 Freeport, TX 77542-2290	1
539115	Seabreeze Recovery Inc. c/o Waste Connection Inc. 3 Waterway Square Place, Suite 110 The Woodlands, TX 77380-3487	5
547729 545615	Donald W. Miller P.O. Box 349 Brazoria, TX 77422-0349	2
164044	Churn Investments, Inc. 4106 Parry Drive Pearland, TX 77584-1491	3
UP TO ONE MILE DOWNSTREAM		
539115 244309 164080	Seabreeze Recovery Inc. c/o Waste Connection Inc. 3 Waterway Square Place, Suite 110 The Woodlands, TX 77380-3487	5
244264 244305 244255 164085	Munson, Mary Clive Moller 621 Catalpa Street Angleton, TX 77515-4803	6
244292	Texas Compost & Peat Farms P.O. Box 302 West Columbia, TX 77486-0302	9
244303	Munson, William Stratton & Stephanie Marie 1013 Sunset Trail Angleton, TX 77515-9027	7

164032	J W Cannan Estate P. O. Box 1775 Gonzales, TX 78629-1275	11
164087	Ineos Olefins & Polymers 2600 South Shore Blvd, Suite 500 League City, TX 77573-2944	10
593262	Velasco Drainage District P.M. Crow, Chairman P.O. Box 7 Clute, TX 77531-0007	8

Attachment 1.1 - 3

Point of Discharge Photos

Location of Proposed Outfall

Approximate Scale: 100 feet

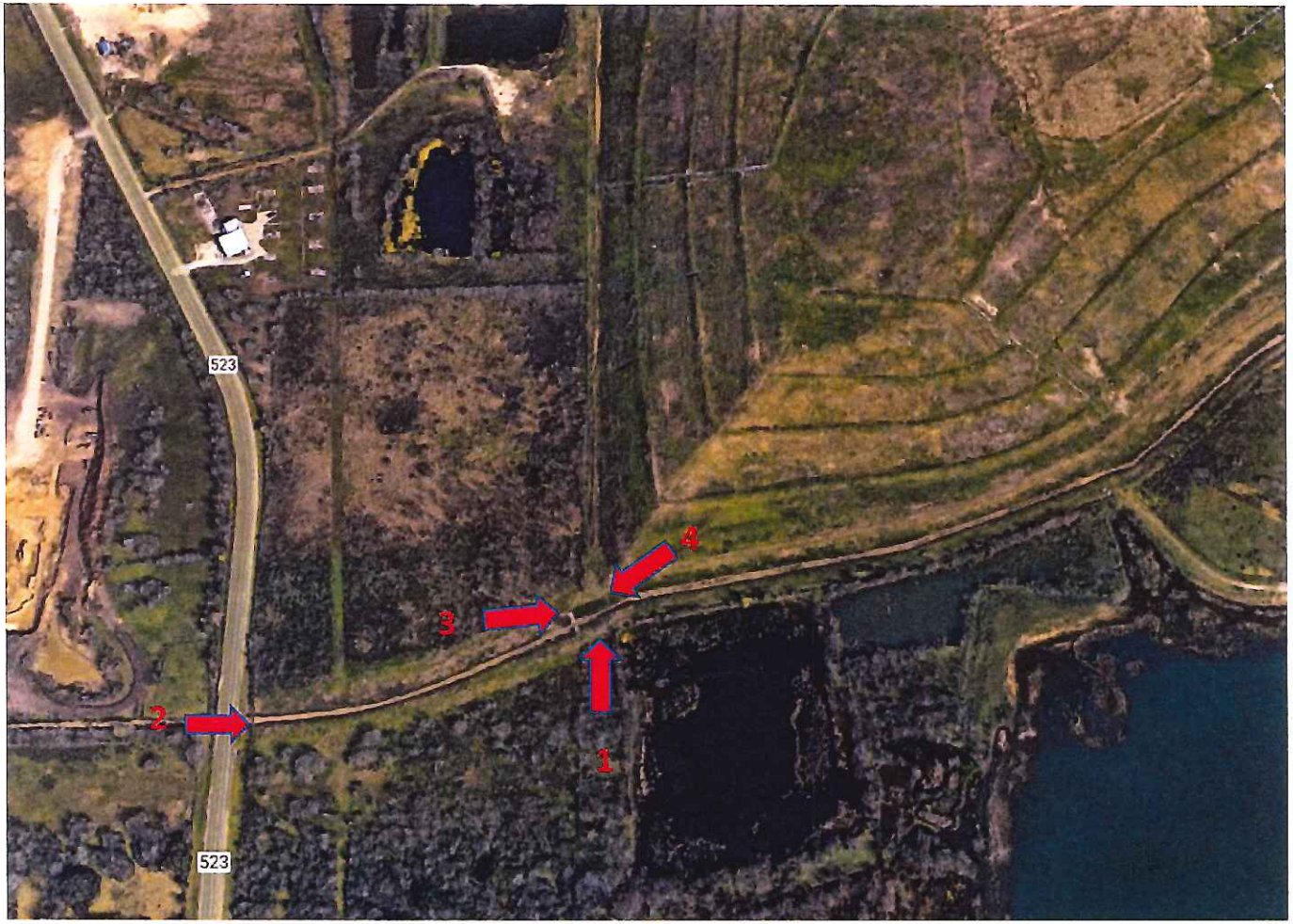
View of Unnamed Tributary to Bastrop Bayou
Facing east from FM 523

Aerial View of Unnamed Tributary to Bastrop Bayou

Extending approximately 500 feet to the east

Aerial View of Unnamed Tributary to Bastrop Bayou

Extending approximately 500 feet to the west



Locations of Photographs

Attachment 1.1-4

Supplemental Permit Information Form

with attached
Topographic Map
USGS Oyster Creek 7.5 Minute Quadrangle

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: Gladieux Metals Recycling LLC

   Permit No. WQ00 N/A EPA ID No. TX N/A

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

   Approximately eight miles north of Freeport on FM 523 and approximately 1350 feet south of the intersection of FM 523 and County Road 223 on the east side of FM 523.

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: Matthew Haak

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

Title: Project Manager

Mailing Address: Kleinfelder, Inc., 12000 Aerospace Ave., Suite 450

City, State, Zip Code: Houston, TX 77034

Phone No.: 281-922-4766 Ext.: Fax No.:

E-mail Address: mhaak@kleinfelder.com

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

Property is owned by the permittee/applicant.

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.

Water must be pumped from the pond in which it is contained to allow for remediation and closure of the pond. The water will be pumped from the southern end of the pond, then conveyed in a southerly direction a distance of approximately 1,750 feet to the point of discharge into an unnamed tributary to Bastrop Bayou. From the point of discharge, the distance to Bastrop Bayou (Segment No. 1105) is approximately 4.25 miles.

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):

Not applicable

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

The water to be discharged is contained in a surface impoundment that covers a portion of the property.

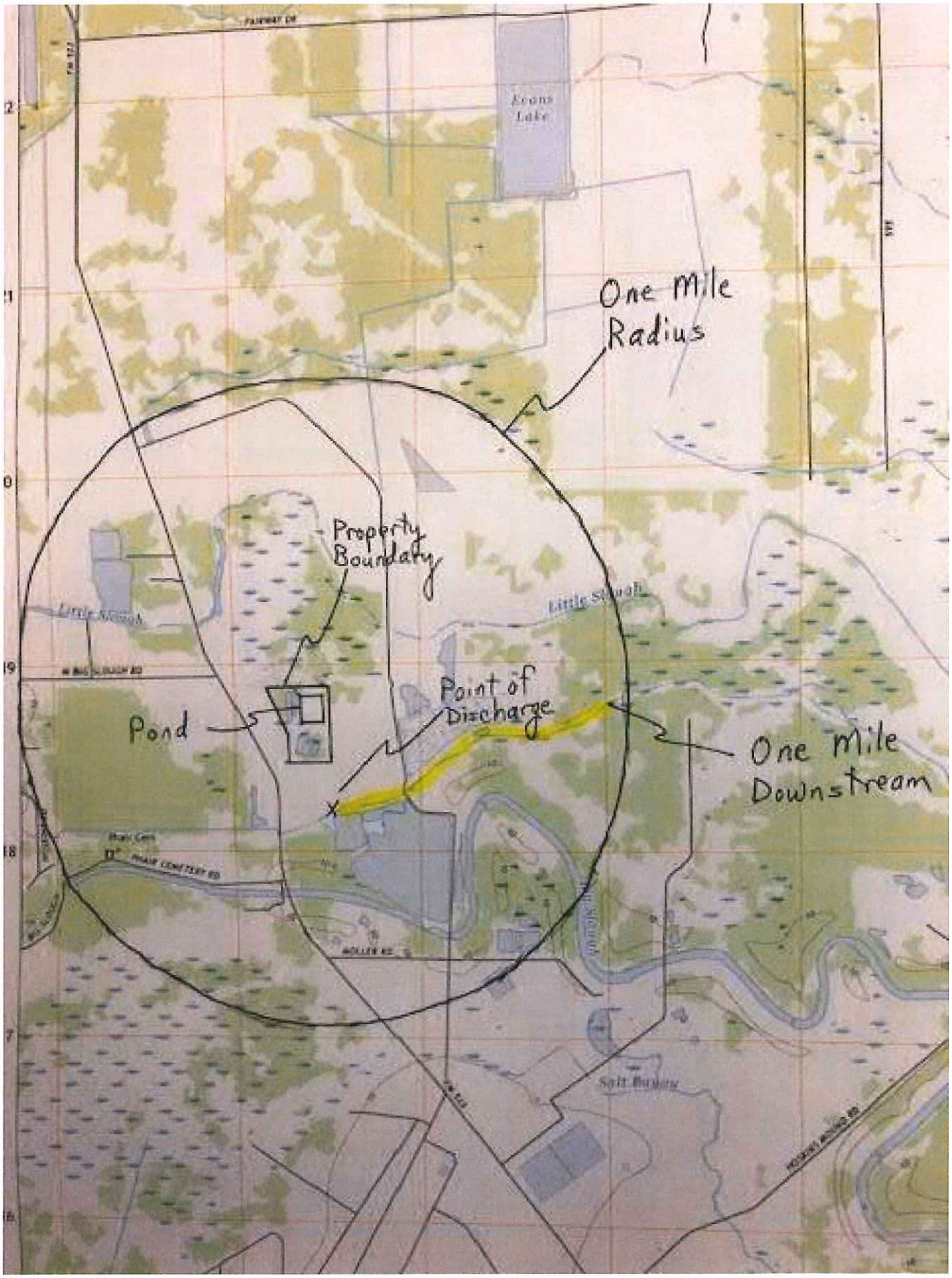
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

Not applicable

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

Property is undeveloped.


One Mile Radius
Property Boundary
Point of Discharge
Pond
One Mile Downstream
Evans Lake
Little Slough
Salt Bayou

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 Gladieux Metals Recycling, LLC (GMR) plant is located in Freeport, Texas in a heavily industrialized zone. It is an industrial manufacturing facility that began metals recycling operations in 1973. The facility, previously operated by Gulf Chemical & Metallurgical Corporation (GCMC), processes spent refinery catalysts to produce molybdenum oxide, vanadium oxide, cobalt/nickel alloy, and fused alumina. These catalysts became listed hazardous wastes in 1998. The spent catalyst is stored in permitted solid waste management units (SWMUs) at the facility, blended with soda and calcine and the mixture fed to a roaster for removal of organic and sulfur compounds. The roasting process produces a calcine material that is ground and leached with water to remove molybdenum and vanadium compounds, which are further processed to produce molybdenum oxide and vanadium oxide. Alumina concentrate (AC) is also produced and is processed in an electric arc furnace to produce nickel/cobalt alloy and fused alumina. GMR acquired the assets of GCMC on May 10, 2017. The Pond 4 site (subject of this permit application) was constructed approximately 8 miles from the GMR facility on undeveloped land in 1982 for the purpose of containing alumina concentrate (AC) material from GCMC's manufacturing process after approval was received from the Texas Dept. of Water Resources. According to construction diagrams, Pond 4 was constructed by excavating approx. 13.5 feet below ground surface and replacing a 2-ft thick layer of soil back into the excavation and compacting it to form a clay liner. Native clay was excavated from the pond area and from borrow pits to construct berms 8 ft to 15 ft high. Pond 4 served as a storage area for the AC intermediate product. Four monitoring wells were installed on the north, east, west and south sides of Pond 4 to monitor for potential leakage into the surrounding groundwater. These wells were replaced in 2012 and two additional monitoring wells installed in 2015. GCMC discontinued placing AC material in Pond 4 in 1990, and installed a cap over the entire area of the pond in 1994 using a 40-mil plastic liner and earthen cover.

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

Groundwater monitoring continued during this time. In 2006 GCMC requested and was granted by the TCEQ a variance from classification of AC materials stored in Pond 4 as a solid waste and, with TCEQ concurrence, reopened Pond 4 to remove as much of the AC as possible beginning in 2007 continuing to 2009. The AC material was processed for metals reclamation. Residual AC material remained in contact with storm water that accumulated in Pond 4. An Affected Property Assessment Report has been completed for the Pond 4 site to facilitate regulatory closure.

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

The water to be discharged is accumulated storm water that is present in the pond, i.e. storm water associated with industrial activities. Removal of the storm water is required in order to complete remediation and closure of the pond, as described in a Response Action Plan approved by the TCEQ Remediation Division.

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

Materials List

Raw Materials	Intermediate Products	Final Products
N/A	Alumina concentrate	N/A

Attachment: N/A

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

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.

- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

Attachment: 1d – Facility Map

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

☒ Yes ☐ No

If **yes**, provide background discussion: Storm water accumulated in the pond must be removed to facilitate closure of the pond as approved by the TCEQ Remediation Division.

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 Floodplain Map of Brazoria County Texas (brazoriacountytx.gov)

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

Attachment: N/A

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

☐ Yes ☒ No ☐ N/A (renewal only)

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

☐ Yes ☐ No

If **yes**, provide the permit number: N/A

If **no**, provide an approximate date of application submittal to the USACE: N/A

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.

Based on available analytical data, it is not anticipated that any treatment of the storm water will be required prior to discharge. Water will be filtered to minimize the discharge of solids.

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: 2b – Illustration of Flow

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)	C			
Associated Outfall Number	C1			
Liner Type (C) (I) (S) or (A)	C			
Alt. Liner Attachment Reference	N/A			
Leak Detection System, Y/N	N			
Groundwater Monitoring Wells, Y/N	Y			
Groundwater Monitoring Data Attachment	Y			
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	Y			
Length (ft)	~500'			
Width (ft)	~375'			
Max Depth From Water Surface (ft), Not Including Freeboard	~20'			
Freeboard (ft)	~5'			
Surface Area (acres)	~4.3			
Storage Capacity (gallons)	~21,000,000			
40 CFR Part 257, Subpart D, Y/N	N			
Date of Construction	1982			

Attachment: 3a – Groundwater Data

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

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

1. Liner data

   ☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

   ☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

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

Attachment: N/A

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

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

Attachment: 3c – Water Well/Monitoring Well Maps

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: 3d – State Well Report

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: 3e – Groundwater Information

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)
C1	29.071492	-95.357425

Outfall Location Description

Outfall No.	Location Description
C1	Water will be conveyed to an existing channel. The outfall point is located along the edge of the existing channel of an intermittent stream at the shortest practical distance from the pond where the storm water is currently contained.

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

Outfall No.	Description of sampling point
C1	At the outfall

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)
C1	N/A	N/A	0.480 MGD	0.600 MGD	07/31/2025 (Estimated 2 months after approval)

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
C1	Y	Y	Inline 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)
C1	N	Y	N	10	24	Estimated 2 months

Outfall Wastestream Contributions

Outfall No. C1

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Storm water contained in pond	Up to 0.600 MGD	100%

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: N/A

c. Cooling Towers and Boilers

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

Cooling Towers and Boilers

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers			
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: The discharge will only be storm water that accumulated in the pond after removal of the intermediate material (AC) described above.

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.
N/A	N/A
N/A	N/A

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: Discharge of the accumulated storm water from the pond is included in a Response Action Plan (RAP) that has recently been approved by the Remediation Division of the TCEQ. An implementation schedule is being developed for the response actions, which will include removal and discharge of the storm water.

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:** N/A

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

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

☐ Yes ☒ No

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

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

b. Attach the following information to the application:

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

Attachment: N/A

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

☐ Yes ☒ No

If **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: N/A

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

☐ Yes ☒ No

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.

N/A

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

☐ Yes ☒ No

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

N/A

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

☐ Yes ☒ No

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

N/A

Item 14. Laboratory Accreditation (Instructions, Page 49)

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

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

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

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

CERTIFICATION:

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

Printed Name: Tarun Bhatt

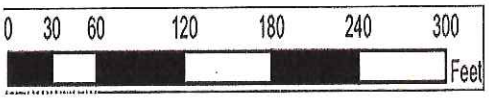
Title: CEO

Signature: Tarun Bhatt

Date: 5/30/2024

Attachment 1d

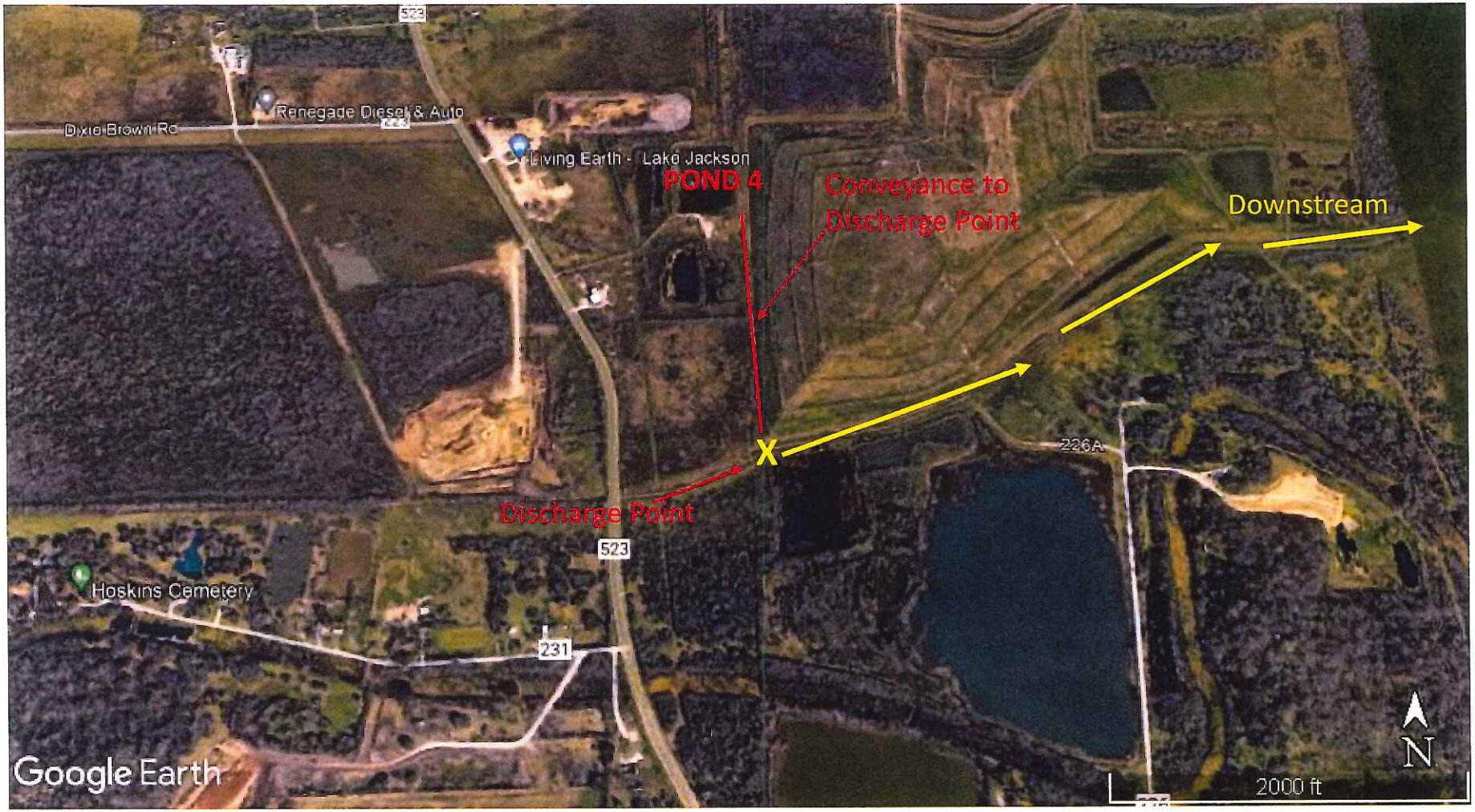
Facility Map



Attachment 1d – Facility Map

Attachment 2b

Illustration of Flow


523
Renegade Diesel & Auto
Dixie Brown Rd
Living Earth - Lake Jackson
POND 4
Conveyance to
Discharge Point
Downstream
X
226A
Discharge Point
523
Hoskins Cemetery
231
Google Earth
2000 ft
N

Attachment 3a

Groundwater Data

Table 5B - Groundwater Analytical Data
Gulf Chemical and Metallurgical Corporation
Pond 4

Sample ID	Date	Aluminum (mg/L)	Arsenic (mg/L)	Cobalt (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Vanadium (mg/L)
MW-1R	3/13/2012	0.00629J	0.00691	0.00265J	0.00542	0.00204J	<0.00090
	6/18/2012	<0.01	0.00726	<0.005	0.00503	<0.005	<0.005
	9/12/2012	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
	12/13/2012	0.155	<0.005	<0.005	<0.005	<0.005	<0.005
	3/20/2013	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
	6/27/2013	0.0177 J	0.00519 J	0.00222 J	0.00452 J	0.00226 J	0.00215 J
	9/17/2013	0.00630 J	0.00281 J	0.00298 J	0.00182 J	0.00112 J	0.00198 J
	12/31/2013	0.435	0.00314 J	0.00223 J	<0.0030	<0.0020	0.00271 J
	12/31/2013 (DUP)	0.450 J	0.0029 2J	0.00210J	<0.0030	<0.0020	0.00305 J
	3/25/2014	<0.0100	<0.00500	<0.00500	0.00971	<0.00500	0.00618
	6/30/2014	0.0746	0.00216 J	0.00208 J	<0.00500	0.00195 J	<0.00500
	6/30/2014 (DUP)	0.197	0.002 J	0.00204 J	<0.00500	0.00418 J	<0.00500
	9/23/2014	0.0254	0.00141 J	0.00248 J	0.00576	0.00197 J	0.00307 J
	12/22/2014	0.0129	<0.00100	0.00257 J	<0.00150	0.00654	<0.000900
	9/8/2015	NS	NS	NS	NS	NS	NS
	12/17/2015	0.0244	0.000722 J	0.00489 J	0.00120 J	0.00127 J	0.000805 J
	3/22/2016	0.00833 J	0.000565 J	0.000516 J	0.00118 J	0.00122 J	0.00109 J
	6/8/2016	0.00472 J	0.00106 J	0.00137 J	0.000957 J	<0.0006000	0.00210 J
	9/29/2016	NS	NS	NS	NS	NS	NS
	12/14/2016	NS	NS	NS	NS	NS	NS
	3/23/2017	NS	NS	NS	NS	NS	NS

MW-2R	3/13/2012	0.00929 J	0.00476 J	<0.00080	0.00894	<0.0012	0.00467 J
	3/13/2012 (DUP)	0.0102	0.00465 J	<0.00080	0.00957	<0.0012	0.00451 J
	6/18/2012	<0.01	<0.005	<0.005	0.0102	<0.005	<0.005
	6/18/2012 (DUP)	<0.01	<0.005	<0.005	0.0100	<0.005	<0.005
	9/12/2012	0.0352	<0.005	<0.005	0.00977	<0.005	<0.005
	12/13/2012	0.154	<0.005	<0.005	0.00938	<0.005	<0.005
	3/20/2013	0.0106	<0.005	<0.005	0.01	<0.005	0.00716
	6/27/2013	0.00790J	0.00151 J	<0.000800	0.0102	<0.00100	0.00633
	9/17/2013	0.00758J	0.00208 J	<0.000800	0.00952	<0.00100	0.00524
	12/31/2013	0.00920 J	0.00158 J	<0.000800	0.0114	<0.00100	0.00386 J
	3/25/2014	<0.0100	<0.00500	<0.00500	0.00956	<0.00500	0.0062
	6/30/2014	0.0146	0.00145 J	<0.00500	0.0104	0.00354 J	0.00222 J
	9/23/2014	0.00785 J	0.00180 J	<0.000800	0.0131	<0.00100	0.00563
	9/23/2014 (DUP)	<0.00400	0.00191 J	<0.000800	0.012	<0.00100	0.00532
	12/22/2014	0.0182	0.00163 J	<0.000800	0.00955	<0.00100	0.00340 J
	9/8/2015	NM	0.00103 J	0.000228 J	0.0066	0.00276 J	0.00405 J
	12/17/2015	0.0502	0.000960 J	0.000252 J	0.00588	<0.000600	0.00408 J
	3/22/2016	0.00804 J	0.00104 J	<0.000200	0.00611	<0.000600	0.00897
	6/8/2016	0.00921 J	0.00149 J	<0.000200	0.00541	<0.000600	0.00761
	9/29/2016	0.00831 J	0.00180 J	<0.000200	0.00444 J	<0.000600	0.0103
	12/14/2016	0.0105	0.00102 J	0.000254 J	0.00487 J	0.00220 J	0.00427 J
	3/23/2017	0.0100	0.00222 J	<0.000200	0.00544	<0.000600	0.00925

MW-3R	3/13/2012	<0.0080	0.00233 J	0.00187 J	0.00772	0.00464J	0.00120 J
	6/18/2012	<0.01	**0.0156**	0.00752	0.00547	<0.005	<0.005
	9/12/2012	0.0287	**0.0147**	0.006	<0.005	<0.005	<0.005
	9/12/2012 (DUP)	<0.01	**0.014**	0.00595	<0.005	<0.005	<0.005
	12/13/2012	0.0652	**0.0146**	0.00572	<0.005	<0.005	<0.005
	3/20/2013	<0.01	0.00709	0.0063	<0.005	<0.005	<0.025
	3/20/2013 (DUP)	<0.01	0.00721	0.00607	<0.005	<0.005	<0.025
	6/27/2013	0.0146 J	0.00366	<0.0016	0.0077 J	0.00682 J	0.00288 J
	9/17/2013	0.00651 J	0.00554	0.0061	0.00252 J	0.00328 J	0.00377 J
	9/17/2013 (DUP)	0.00686 J	0.00506	0.00586	0.00245 J	0.00327 J	0.00389 J
	12/31/2013	<0.004	0.00658J	0.00623J	0.00331J	<0.002	<0.0018
	3/25/2014	<0.0100	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	6/30/2014	0.00708 J	<0.00500	<0.00500	0.00314 J	0.00463 J	<0.00500
	9/23/2014	0.00576 J	0.00355 J	0.00385 J	0.00484 J	0.00587	0.00328 J
	12/22/2014	0.0118	0.00244 J	0.00420 J	<0.00150	0.00202 J	<0.000900
	12/22/2014 (DUP)	0.0108	0.00261 J	0.00420 J	0.00170 J	0.00203 J	<0.000900

Sample ID	Date	Aluminum (mg/L)	Arsenic (mg/L)	Cobalt (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Vanadium (mg/L)
	9/8/2015	NM	0.00128 J	0.00391 J	0.00158 J	0.00170 J	0.000751 J
	12/17/2015	0.00790 J	0.000822 J	0.00565	0.00244 J	0.00269 J	0.000975 J
	3/22/2016	0.00586 J	0.000426 J	<0.000200	0.00209 J	0.00225 J	0.000729 J
	6/8/2016	0.00358 J	0.00164 J	0.000574 J	0.00183 J	0.00216 J	0.00233 J
	9/29/2016	0.0166	0.00290 J	0.000414 J	0.00122 J	0.00233 J	0.00553
	12/14/2016	<0.00900	<0.00200	0.00266 J	<0.00300	0.0132 J	<0.00300
	3/23/2017	0.00506 J	0.00169 J	0.000230 J	0.00190 J	0.00141 J	0.00201 J

MW-4R	3/13/2012	0.0104 J	0.00364 J	<0.00080	<0.0015	0.00377 J	0.00132 J
	6/18/2012	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
	9/12/2012	<0.01	<0.005	0.00564	<0.005	<0.005	<0.005
	12/13/2012	0.536	<0.005	0.00676	<0.005	<0.005	<0.005
	12/13/2012 (DUP)	0.450	0.00506	0.00736	<0.005	<0.005	<0.005
	3/20/2013	<0.0100	<0.005	<0.005	<0.005	<0.005	<0.025
	6/27/2013	0.0372	0.00281 J	0.0073 J	<0.003	0.00423 J	0.00314 J
	9/17/2013	0.0119	0.00273 J	0.00516	<0.0015	0.00225 J	0.0028 5J
	12/31/2013	<0.004	<0.001	<0.0008	<0.0015	<0.001	<0.0009
	3/25/2014	<0.0100	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	6/30/2014	0.00614 J	<0.00500	0.00145 J	<0.00500	0.00455 J	<0.00500
	9/23/2014	0.0775	0.00201 J	<0.000800	0.0128	<0.00100	0.00558
	12/22/2014	0.0145	<0.00100	0.00430 J	<0.00150	0.00171 J	<0.000900
	9/8/2015	NM	0.000400 J	0.00425 J	<0.000600	0.00136 J	0.000983 J
	12/17/2015	0.0378	0.000863 J	0.00650	<0.000600	0.00184 J	0.00140 J
	12/17/2015 (DUP)	0.0179	0.000838 J	0.00606	<0.000600	0.00180 J	0.00147 J
	3/22/2016	0.0174	0.000542 J	0.00417 J	0.000685 J	0.00185 J	0.00109 J
	6/8/2016	0.00937 J	0.00172 J	0.00428 J	0.000740 J	0.00170 J	0.00336 J
	9/29/2016	0.0163	0.00206 J	0.0056	<0.000600	0.00183 J	0.00416 J
	9/29/2016 (DUP)	0.0119	0.00316 J	0.00496 J	<0.000600	0.00191 J	0.0075
	12/14/2016	<0.00900	<0.00200	0.00442 J	<0.00300	0.0136 J	<0.00300
	12/14/2016 (DUP)	<0.00900	<0.00200	0.00426 J	<0.00300	0.0126 J	<0.00300
	3/23/2017	0.00575 J	0.00150 J	0.00410 J	0.000958 J	0.00132 J	0.00380 J

MW-5	9/8/2015	NM	0.000409 J	0.00323 J	0.00154 J	0.00127 J	0.00252 J
	12/17/2015	0.0184	**0.0538**	0.00388 J	0.0119	0.00182 J	0.00136 J
	3/22/2016	0.0120	**0.0360**	0.00560	0.0108	0.00267 J	0.000797 J
	3/22/2016 (DUP)	0.0110	**0.0311**	0.00602	0.00987	0.00270 J	0.000752 J
	6/8/2016	0.00653 J	**0.0318**	0.00628	0.0116	0.00291 J	0.00306 J
	9/29/2016	0.00975 J	0.00713	0.00599	0.00290 J	0.00276 J	0.00772
	12/14/2016	0.0115 J	<0.00200	0.00529 J	<0.00300	0.0130 J	<0.00300
	3/23/2017	0.00524 J	0.00516	0.00609	0.00336 J	0.00239 J	0.00200 J
	3/23/2017 (DUP)	0.0124	0.00492 J	0.00558	0.00294 J	0.00216 J	0.00306 J

MW-6	9/8/2015	NM	0.000714 J	0.00386 J	0.00102 J	0.00235 J	0.00358 J
	9/8/2015 (DUP)	NM	0.000631 J	0.00356 J	0.000889 J	0.00180 J	0.00335 J
	12/17/2015	0.0621	0.00612	0.00349 J	0.00157 J	0.00240 J	0.00130 J
	3/22/2016	0.0123	0.00621	0.00261 J	0.000973 J	0.00133 J	0.00124 J
	6/8/2016	0.0136	0.00674	0.00293 J	0.00152 J	0.00152 J	0.00245 J
	9/29/2016	0.0125	0.0052	0.00339 J	0.00132 J	0.00186 J	0.0067
	12/14/2016	<0.00900	<0.00200	0.00222 J	<0.00300	0.00879 J	<0.00300
	3/23/2017	0.00666 J	0.00208 J	0.000496 J	0.00153 J	<0.000600	0.00273 J

TMW-5	1/27/2015	0.456	<0.00500	<0.00400	0.0323	<0.00250	0.0172 J
TRRP Groundwater Tier 1 Residential PCL		**24**	**0.01**	**0.24**	**0.12**	**0.49**	**0.044**
TRRP Groundwater Tier 1 Commerical/Industrial PCL		**73**	**0.01**	**0.73**	**0.37**	**1.5**	**0.13**
TRRP Groundwater Residential Tier 1 PCL, Class 3 GW		**2400**	**1.0**	**24**	**12**	**49**	**4.4**

Notes:

mg/L - milligrams per liter or parts per million

<x.x - not detected above sample detection limit (SDL)

J - Analyte detected below method quantitation limit, or qualified as estimated due to data validation

Metals analysis by Method EPA 6020A

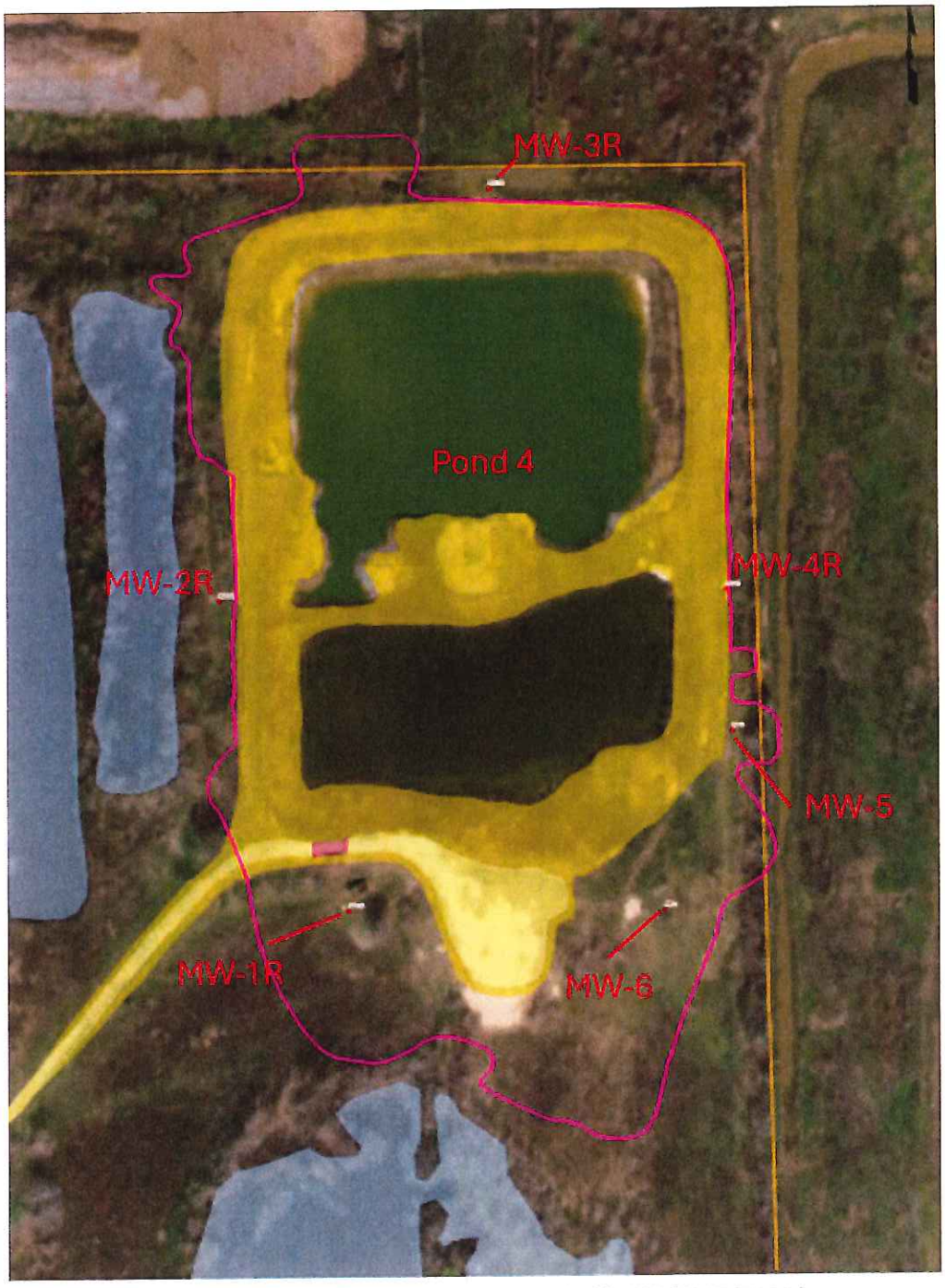
NM - Not measured

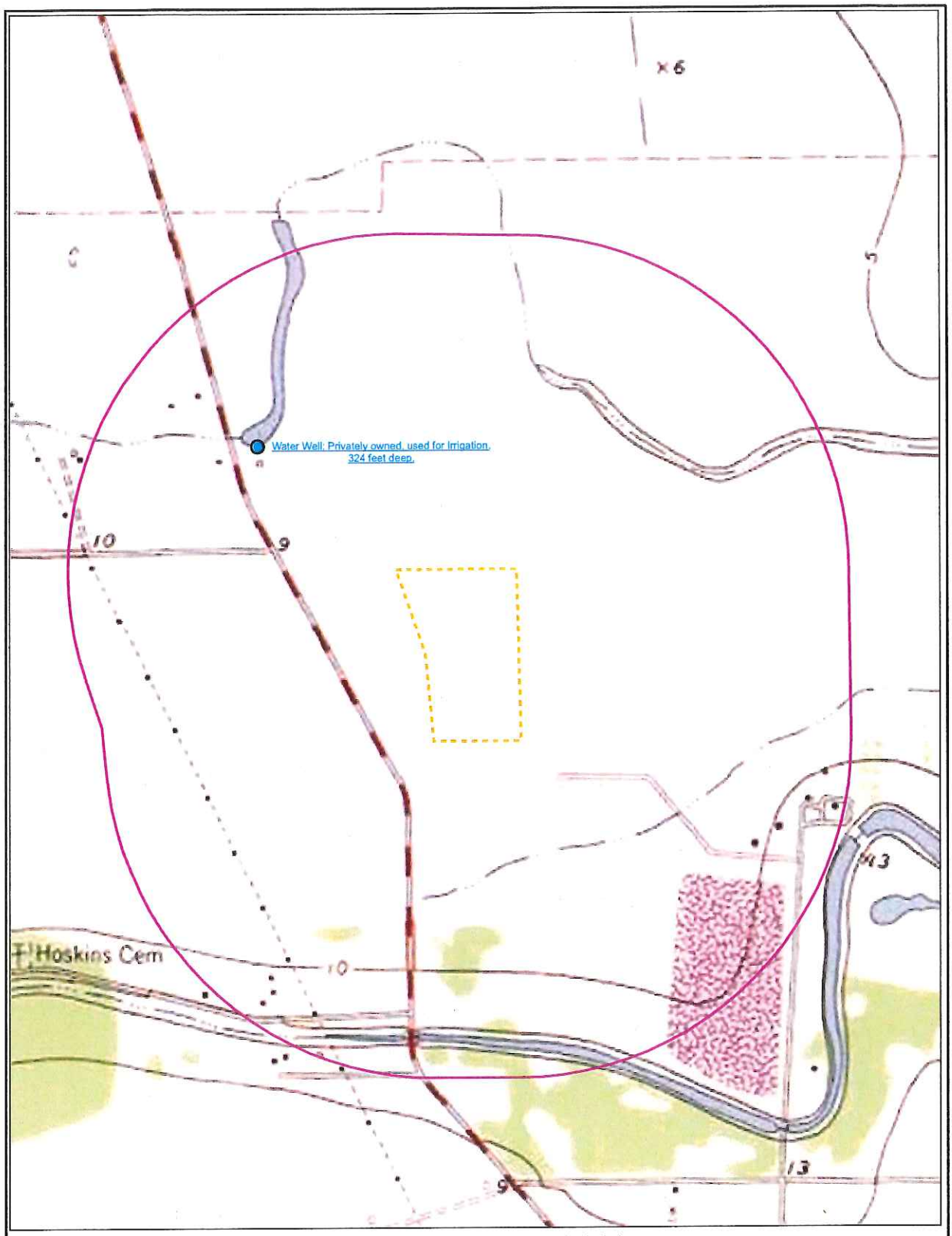
NS - Not sampled

Attachment 3c

Monitoring Well Map and Water Well Map

Attachment 3c – Monitoring Well Map





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LEGEND

- Half-mile Radius
- On-Site Property Boundary
- Water Well

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N

0 375 750 1,500 Feet

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to the accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

KLEINFELDER
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www.kleinfelder.com

PROJECT NO.	20183503
DRAWN:	2/5/15
DRAWN BY:	PD
CHECKED BY:	KS
FILE NAME:	20154354_2C.mxd

WATER WELL MAP

Gladieux Metals Recycling, LLC- Pond 4
FM 523
Freeport, Brazoria County, Texas

FIGURE
2C

Attachment 3d

State Well Report

TWDB Groundwater Database Query Result

REPORTED WATER WELL DATA ON STATE WELL NUMBER = 6562401

Query for another State Well Number: [ ] Submit

| Water Quality | Infrequent Constituent | Water Level | 5 Day Water Level | Well Casing | Remarks | Scanned Images |

*For a complete explanation, click here to read the TWDB Groundwater Data System Data Dictionary.

Field	Value	*Explanation
STATE WELL NUMBER	6562401	
COUNTY CODE	39	Brazoria County, Texas
BASIN	11	San Jacinto-Brazos Rivers Basin
PREVIOUS WELL NUMBER	#5	
LATITUDE	290449	DMS (in decimal degrees: 29.080278)
LAT DEC	29.080277	
LONGITUDE	952152	DMS (in decimal degrees: -95.364444)
LONG DEC	-95.364444	
OWNER 1	W.D. Evans	
OWNER 2		
DRILLER 1	L. Patterson	
DRILLER 2		
SOURCE OF COORDINATES	1	
AQUIFER CODE	112CHCTU	CHICOT AQUIFER,UPPER
AQUIFER ID1	15	Gulf Coast Aquifer
AQUIFER ID2		
AQUIFER ID3		
ELEVATION	8	feet
ELEVATION MEASUREMENT METHOD	M	Interpolated From Topo Map

ALPHA CODE		
DATE DRILLED	06261957	
WELL TYPE	W	Withdrawal of Water
WELL DEPTH	324	feet
SOURCE OF DEPTH	R	Person Other than Owner
TYPE OF LIFT	P	Piston
TYPE OF POWER	E	Electric Motor
HORSEPOWER	5	
PRIMARY WATER USE	I	Irrigation
SECONDARY WATER USE		
TERTIARY WATER USE		
WATER LEVEL AVAILABLE	M	Click here for water level data
WATER QUALITY AVAILABLE	N	
WELL LOGS AVAILABLE	D	
OTHER DATA AVAILABLE		
DATE COLLECTED OR UPDATED		
REPORTING AGENCY	02	US GEOLOGICAL SURVEY
WELL SCHEDULE IN FILE		
CONTRUCTION METHOD	H	Hydraulic Rotary
COMPLETION	S	Screen
CASING MATERIAL	S	Steel
SCREEN MATERIAL		
GMA	14	
RWPA	H	
DISTRICTID	200114HX	

Groundwater Database Disclaimer

The Groundwater Database (GWDB) of the Texas Water Development Board (TWDB) contains information about more than 123,500 water well, spring, and oil/gas test sites in Texas including associated water level and water quality data. Because data collection methods and data maintenance have varied and evolved over the years, the information in the GWDB has a range of accuracy that the

user needs to be aware of. See Explanation of Groundwater Data for information on the sources of information and level of accurracy in the document.

The TWDB is providing information via this Web site as a public service. Except where noted, all of the information provided is believed to be accurate and reliable; however, the Texas Water Development Board (TWDB) assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. **PLEASE NOTE** that users of this Web site are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via this Web site. TWDB specifically disclaims any and all liability for any claims or damages that may result from providing the Web site or the information it contains, including any Web sites maintained by third parties and linked to the TWDB Web site. TWDB makes no effort to verify independently, and does not exert editorial control over information on pages outside of the www.twdb.state.tx.us domain and its sub-domains. It is the user's responsibility to take precautions to ensure that whatever is selected is free of such items as viruses, worms, Trojan horses and other items of a destructive nature.

For additional information or answers to questions concerning the TWDB GWDB contact David Thorkildsen at (512) 936-0871 or Janie Hopkins at (512) 936-0841.

You can download Groundwater Database Reports in ASCII text files from this link. The files are organized by Texas counties.

This page is maintained by WIID Staff
Last updated on 1/27/2012 9:43:57 AM

Attachment 3e

Groundwater Information

Pond 4

Potential for Migration to Groundwater

The shallow subsurface lithology at the Pond 4 site is predominantly comprised of low permeability clay. This is illustrated on the attached logs of monitoring wells that were installed at the site. The uppermost groundwater bearing unit (GWBU) at the site is thin, discontinuous, present at depths ranging from 10 to 25 feet below ground surface and under confined conditions. Based on results of groundwater monitoring conducted over a period of years at the site, chemicals of concern have not been detected at concentrations greater than the applicable protective concentration levels (PCLs). The uppermost GWBU at the site has been designated as a Class 3 groundwater resource based on concentrations of total dissolved solids. An Affected Property Assessment Report (APAR) has been completed for the soil and groundwater assessment activities that have been conducted at the site. Based on the APAR, no response actions are required by the TCEQ Remediation Division for groundwater at the site due to the absence of impacts. Copies of well logs and groundwater analytical results are attached.

Date Begin - End:	9/04/2015	**Drilling Company:**	Envirotech	**BORING LOG MW-5**	
Logged By:	J. Miller	**Drill Crew:**	B. Salynch		
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	7822DT GeoProbe	**Hammer Type - Drop:**	140 lb. Auto - 30 in.
Plunge:	-90 degrees	**Drilling Method:**	Geo-Probe		
Weather:	90° F, Sunny	**Bore Diameter:**	6 in. O.D.		

FIELD EXPLORATION

Latitude: 29.07136° N
Longitude: -95.35776° W
Approximate Ground Surface Elevation (ft.): 6.00
Surface Condition: Grass

MONITORING WELL CONSTRUCTION

Completion Method:
Locking Stand Pipe - 2' feet above grade, 4'x4' well pad

Approximate Elevation (feet)	Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID / FID (ppmv)	Graphical Log	Lithologic Description
5		Geo-Probe			49"			**Fat CLAY (CH)**: brown, no odor, moist, hard, trace calcareous nodules
0	5				46"			**Fat CLAY some Silt (CH)**: dark brown, no odor, moist, firm, calcareous nodules
-5	10				60"			**Poorly-graded SAND (SP)**: fine-grained, brown, wet
								Fat CLAY trace Sand (CH): gray, no odor, moist, trace calcareous nodules
								Fat CLAY trace Sand (CH): red, moist
-10	15				60"			**Fat Silty CLAY trace Sand (CH)**: gray, moist, trace calcareous nodules
								Fat Silty CLAY increased Sand (CH): gray, wet, trace calcareous nodules
-15	20				60"			**Poorly-graded SAND (SP)**: fine-grained, brown, wet
								Fat CLAY (CH): bluish gray, moist, hard
-20	25							**Fat CLAY trace Silt, some Sand (CH)**: bluish gray, moist, firm, trace calcareous nodules
-25	30							

Neat Cement
Bentonite Chips
2" SCH 40 Solid PVC Riser
16/30 Sand
2" SCH 40 Slotted 0.010 PVC Screen

The borehole was terminated at approximately 25 ft. below ground surface.

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 10 ft. below ground surface during drilling.

GENERAL NOTES:
The borehole location and elevation are approximate and were estimated by Kleinfelder.
The borehole was not backfilled because converted to a monitor well.

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.:	20162114
DRAWN BY:	GW
CHECKED BY:	JM/RV
DATE:	9/10/2015
REVISED:	-

BORING LOG MW-5

Pond 4 Additional Assessment
Midway Road
Freeport, Brazoria Co, Texas

WELL
MW-5

PAGE: 1 of 1

Date Begin - End:	9/04/2015	**Drilling Company:**	Envirotech	**BORING LOG MW-6**	
Logged By:	J. Miller	**Drill Crew:**	B. Salynch		
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	7822DT GeoProbe	**Hammer Type - Drop:**	140 lb. Auto - 30 in.
Plunge:	-90 degrees	**Drilling Method:**	Geo-Probe		
Weather:	83° F, Sunny	**Bore Diameter:**	6 in. O.D.		

FIELD EXPLORATION

MONITORING WELL CONSTRUCTION

Latitude: 29.07570° N
Longitude: -95.35784° W
Approximate Ground Surface Elevation (ft.): 6.00
Surface Condition: Grass

Completion Method:
Locking Stand Pipe - 2' feet above grade, 4'x4' well pad

Approximate Elevation (feet) / Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID / FID (ppmv)	Graphical Log	Lithologic Description
5 / 0	Geo-Probe			52"			**Fat CLAY trace Silt (CH)**: brown, no odor, moist, firm, trace calcareous nodules
0 / 5				39"			**Fat CLAY (CH)**: reddish brown, no odor, stiff, trace calcareous nodules
-5 / 10				22"			**Fat CLAY (CH)**: brown, no odor, moist, firm
-10 / 15				60"			**Lean CLAY (CL)**: light gray, no odor, moist, firm, trace calcareous nodules
▽							**Lean CLAY trace fine Sand (CL)**: dark gray, no odor, moist, firm, trace calcareous nodules
-15 / 20				60"			**Silty CLAY (CL)**: light brown, light gray, mottled, no odor, moist, firm
							Clayey SAND (SC): fine-grained, light brown, no odor, wet, medium dense
-20 / 25				60"			**Poorly-graded SAND (SP)**: fine-grained, no odor, wet, loose
							Alternating Silty SAND and Lean CLAY (CL): brown, no odor, moist
-25 / 30							**Silty SAND (SM)**: fine-grained, brown, no odor, wet, medium dense

Neat Cement

Bentonite Chips

2" SCH 40 Solid PVC Riser

16/30 Sand

2" SCH 40 Slotted 0.010 PVC Screen

The borehole was terminated at approximately 30 ft. below ground surface.

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 18 ft. below ground surface during drilling.

GENERAL NOTES:
The borehole location and elevation are approximate and were estimated by Kleinfelder.
The borehole was not backfilled because converted to a monitor well.

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.:	20162114
DRAWN BY:	GW
CHECKED BY:	JM/RV
DATE:	9/10/2015
REVISED:	-

BORING LOG MW-6

Pond 4 Additional Assessment
Midway Road
Freeport, Brazoria Co, Texas

WELL
MW-6

PAGE: 1 of 1

Table 5B - Groundwater Analytical Data
Gulf Chemical and Metallurgical Corporation
Pond 4

Sample ID	Date	Aluminum (mg/L)	Arsenic (mg/L)	Cobalt (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Vanadium (mg/L)
MW-1R	3/13/2012	0.00629J	0.00691	0.00265J	0.00542	0.00204J	<0.00090
	6/18/2012	<0.01	0.00726	<0.005	0.00503	<0.005	<0.005
	9/12/2012	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
	12/13/2012	0.155	<0.005	<0.005	<0.005	<0.005	<0.005
	3/20/2013	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
	6/27/2013	0.0177 J	0.00519 J	0.00222 J	0.00452 J	0.00226 J	0.00215 J
	9/17/2013	0.00630 J	0.00281 J	0.00298 J	0.00182 J	0.00112 J	0.00198 J
	12/31/2013	0.435	0.00314 J	0.00223 J	<0.0030	<0.0020	0.00271 J
	12/31/2013 (DUP)	0.450 J	0.0029 2J	0.00210J	<0.0030	<0.0020	0.00305 J
	3/25/2014	<0.0100	<0.00500	<0.00500	0.00971	<0.00500	0.00618
	6/30/2014	0.0746	0.00216 J	0.00208 J	<0.00500	0.00195 J	<0.00500
	6/30/2014 (DUP)	0.197	0.002 J	0.00204 J	<0.00500	0.00418 J	<0.00500
	9/23/2014	0.0254	0.00141 J	0.00248 J	0.00576	0.00197 J	0.00307 J
	12/22/2014	0.0129	<0.00100	0.00257 J	<0.00150	0.00654	<0.000900
	9/8/2015	NS	NS	NS	NS	NS	NS
	12/17/2015	0.0244	0.000722 J	0.00489 J	0.00120 J	0.00127 J	0.000805 J
	3/22/2016	0.00833 J	0.000565 J	0.000516 J	0.00118 J	0.00122 J	0.00109 J
	6/8/2016	0.00472 J	0.00106 J	0.00137 J	0.000957 J	<0.0006000	0.00210 J
	9/29/2016	NS	NS	NS	NS	NS	NS
	12/14/2016	NS	NS	NS	NS	NS	NS
	3/23/2017	NS	NS	NS	NS	NS	NS
MW-2R	3/13/2012	0.00929 J	0.00476 J	<0.00080	0.00894	<0.0012	0.00467 J
	3/13/2012 (DUP)	0.0102	0.00465 J	<0.00080	0.00957	<0.0012	0.00451 J
	6/18/2012	<0.01	<0.005	<0.005	0.0102	<0.005	<0.005
	6/18/2012 (DUP)	<0.01	<0.005	<0.005	0.0100	<0.005	<0.005
	9/12/2012	0.0352	<0.005	<0.005	0.00977	<0.005	<0.005
	12/13/2012	0.154	<0.005	<0.005	0.00938	<0.005	<0.005
	3/20/2013	0.0106	<0.005	<0.005	0.01	<0.005	0.00716
	6/27/2013	0.00790J	0.00151 J	<0.000800	0.0102	<0.00100	0.00633
	9/17/2013	0.00758J	0.00208 J	<0.000800	0.00952	<0.00100	0.00524
	12/31/2013	0.00920 J	0.00158 J	<0.000800	0.0114	<0.00100	0.00386 J
	3/25/2014	<0.0100	<0.00500	<0.00500	0.00956	<0.00500	0.0062
	6/30/2014	0.0146	0.00145 J	<0.00500	0.0104	0.00354 J	0.00222 J
	9/23/2014	0.00785 J	0.00180 J	<0.000800	0.0131	<0.00100	0.00563
	9/23/2014 (DUP)	<0.00400	0.00191 J	<0.000800	0.012	<0.00100	0.00532
	12/22/2014	0.0182	0.00163 J	<0.000800	0.00955	<0.00100	0.00340 J
	9/8/2015	NM	0.00103 J	0.000228 J	0.0066	0.00276 J	0.00405 J
	12/17/2015	0.0502	0.000960 J	0.000252 J	0.00588	<0.000600	0.00408 J
	3/22/2016	0.00804 J	0.00104 J	<0.000200	0.00611	<0.000600	0.00897
	6/8/2016	0.00921 J	0.00149 J	<0.000200	0.00541	<0.000600	0.00761
	9/29/2016	0.00831 J	0.00180 J	<0.000200	0.00444 J	<0.000600	0.0103
	12/14/2016	0.0105	0.00102 J	0.000254 J	0.00487 J	0.00220 J	0.00427 J
	3/23/2017	0.0100	0.00222 J	<0.000200	0.00544	<0.000600	0.00925
MW-3R	3/13/2012	<0.0080	0.00233 J	0.00187 J	0.00772	0.00464J	0.00120 J
	6/18/2012	<0.01	**0.0156**	0.00752	0.00547	<0.005	<0.005
	9/12/2012	0.0287	**0.0147**	0.006	<0.005	<0.005	<0.005
	9/12/2012 (DUP)	<0.01	**0.014**	0.00595	<0.005	<0.005	<0.005
	12/13/2012	0.0652	**0.0146**	0.00572	<0.005	<0.005	<0.005
	3/20/2013	<0.01	0.00709	0.0063	<0.005	<0.005	<0.025
	3/20/2013 (DUP)	<0.01	0.00721	0.00607	<0.005	<0.005	<0.025
	6/27/2013	0.0146 J	0.00366	<0.0016	0.0077 J	0.00682 J	0.00288 J
	9/17/2013	0.00651 J	0.00554	0.0061	0.00252 J	0.00328 J	0.00377 J
	9/17/2013 (DUP)	0.00686 J	0.00506	0.00586	0.00245 J	0.00327 J	0.00389 J
	12/31/2013	<0.004	0.00658J	0.00623J	0.00331J	<0.002	<0.0018
	3/25/2014	<0.0100	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	6/30/2014	0.00708 J	<0.00500	<0.00500	0.00314 J	0.00463 J	<0.00500
	9/23/2014	0.00576 J	0.00355 J	0.00385 J	0.00484 J	0.00587	0.00328 J
	12/22/2014	0.0118	0.00244 J	0.00420 J	<0.00150	0.00202 J	<0.000900
	12/22/2014 (DUP)	0.0108	0.00261 J	0.00420 J	0.00170 J	0.00203 J	<0.000900

Sample ID	Date	Aluminum (mg/L)	Arsenic (mg/L)	Cobalt (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Vanadium (mg/L)
	9/8/2015	NM	0.00128 J	0.00391 J	0.00158 J	0.00170 J	0.000751 J
	12/17/2015	0.00790 J	0.000822 J	0.00565	0.00244 J	0.00269 J	0.000975 J
	3/22/2016	0.00586 J	0.000426 J	<0.000200	0.00209 J	0.00225 J	0.000729 J
	6/8/2016	0.00358 J	0.00164 J	0.000574 J	0.00183 J	0.00216 J	0.00233 J
	9/29/2016	0.0166	0.00290 J	0.000414 J	0.00122 J	0.00233 J	0.00553
	12/14/2016	<0.00900	<0.00200	0.00266 J	<0.00300	0.0132 J	<0.00300
	3/23/2017	0.00506 J	0.00169 J	0.000230 J	0.00190 J	0.00141 J	0.00201 J

	3/13/2012	0.0104 J	0.00364 J	<0.00080	<0.0015	0.00377 J	0.00132 J
	6/18/2012	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
	9/12/2012	<0.01	<0.005	0.00564	<0.005	<0.005	<0.005
	12/13/2012	0.536	<0.005	0.00676	<0.005	<0.005	<0.005
	12/13/2012 (DUP)	0.450	0.00506	0.00736	<0.005	<0.005	<0.005
	3/20/2013	<0.0100	<0.005	<0.005	<0.005	<0.005	<0.025
	6/27/2013	0.0372	0.00281 J	0.0073 J	<0.003	0.00423 J	0.00314 J
	9/17/2013	0.0119	0.00273 J	0.00516	<0.0015	0.00225 J	0.0028 5J
	12/31/2013	<0.004	<0.001	<0.0008	<0.0015	<0.001	<0.0009
	3/25/2014	<0.0100	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	6/30/2014	0.00614 J	<0.00500	0.00145 J	<0.00500	0.00455 J	<0.00500
MW-4R	9/23/2014	0.0775	0.00201 J	<0.000800	0.0128	<0.00100	0.00558
	12/22/2014	0.0145	<0.00100	0.00430 J	<0.00150	0.00171 J	<0.000900
	9/8/2015	NM	0.000400 J	0.00425 J	<0.000600	0.00136 J	0.000983 J
	12/17/2015	0.0378	0.000863 J	0.00650	<0.000600	0.00184 J	0.00140 J
	12/17/2015 (DUP)	0.0179	0.000838 J	0.00606	<0.000600	0.00180 J	0.00147 J
	3/22/2016	0.0174	0.000542 J	0.00417 J	0.000685 J	0.00185 J	0.00109 J
	6/8/2016	0.00937 J	0.00172 J	0.00428 J	0.000740 J	0.00170 J	0.00336 J
	9/29/2016	0.0163	0.00206 J	0.0056	<0.000600	0.00183 J	0.00416 J
	9/29/2016 (DUP)	0.0119	0.00316 J	0.00496 J	<0.000600	0.00191 J	0.0075
	12/14/2016	<0.00900	<0.00200	0.00442 J	<0.00300	0.0136 J	<0.00300
	12/14/2016 (DUP)	<0.00900	<0.00200	0.00426 J	<0.00300	0.0126 J	<0.00300
	3/23/2017	0.00575 J	0.00150 J	0.00410 J	0.000958 J	0.00132 J	0.00380 J

	9/8/2015	NM	0.000409 J	0.00323 J	0.00154 J	0.00127 J	0.00252 J
	12/17/2015	0.0184	**0.0538**	0.00388 J	0.0119	0.00182 J	0.00136 J
	3/22/2016	0.0120	**0.0360**	0.00560	0.0108	0.00267 J	0.000797 J
	3/22/2016 (DUP)	0.0110	**0.0311**	0.00602	0.00987	0.00270 J	0.000752 J
MW-5	6/8/2016	0.00653 J	**0.0318**	0.00628	0.0116	0.00291 J	0.00306 J
	9/29/2016	0.00975 J	0.00713	0.00599	0.00290 J	0.00276 J	0.00772
	12/14/2016	0.0115 J	<0.00200	0.00529 J	<0.00300	0.0130 J	<0.00300
	3/23/2017	0.00524 J	0.00516	0.00609	0.00336 J	0.00239 J	0.00200 J
	3/23/2017 (DUP)	0.0124	0.00492 J	0.00558	0.00294 J	0.00216 J	0.00306 J

	9/8/2015	NM	0.000714 J	0.00386 J	0.00102 J	0.00235 J	0.00358 J
	9/8/2015 (DUP)	NM	0.000631 J	0.00356 J	0.000889 J	0.00180 J	0.00335 J
	12/17/2015	0.0621	0.00612	0.00349 J	0.00157 J	0.00240 J	0.00130 J
MW-6	3/22/2016	0.0123	0.00621	0.00261 J	0.000973 J	0.00133 J	0.00124 J
	6/8/2016	0.0136	0.00674	0.00293 J	0.00152 J	0.00152 J	0.00245 J
	9/29/2016	0.0125	0.0052	0.00339 J	0.00132 J	0.00186 J	0.0067
	12/14/2016	<0.00900	<0.00200	0.00222 J	<0.00300	0.00879 J	<0.00300
	3/23/2017	0.00666 J	0.00208 J	0.000496 J	0.00153 J	<0.000600	0.00273 J

TMW-5	1/27/2015	0.456	<0.00500	<0.00400	0.0323	<0.00250	0.0172 J
TRRP Groundwater Tier 1 Residential PCL		**24**	**0.01**	**0.24**	**0.12**	**0.49**	**0.044**
TRRP Groundwater Tier 1 Commerical/Industrial PCL		**73**	**0.01**	**0.73**	**0.37**	**1.5**	**0.13**
TRRP Groundwater Residential Tier 1 PCL, Class 3 GW		**2400**	**1.0**	**24**	**12**	**49**	**4.4**

Notes:
mg/L - milligrams per liter or parts per million
<x.x - not detected above sample detection limit (SDL)
J - Analyte detected below method quantitation limit, or qualified as estimated due to data validation
Metals analysis by Method EPA 6020A
NM - Not measured
NS - Not sampled

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 intermittent tributary to Bastrop Bayou

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: None

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: Contains pools of water within the channel

Date and time of observation: 04/04/2024

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

☐ Yes ☒ No

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

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

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

☒ oil field activities
☒ agricultural runoff
☐ upstream discharges
☐ urban runoff
☐ septic tanks
☒ other, specify: Specific oil field or agricultural influence not observed, but those activities occur in the local area.

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

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

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

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

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

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

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 12, 2024

Mr. Matthew Haak
Project Manager
Kleinfelder, Inc.
12000 Aerospace Avenue, Suite 450
Houston, Texas 77034

RE: Declaration of Administrative Completeness
Applicant Name: Gladieux Metals Recycling, LLC (CN605364843)
Permit No.: WQ0005461000 (EPA I.D. No. TX0146196)
Site Name: Gladieux Metals Recycling Pond 4 (RN111992467)
Type of Application: New

Dear Mr. Haak:

The executive director has declared the above referenced application, received on June 13, 2024 administratively complete on July 12, 2024.

You are now required to publish notice of your proposed activity and make a copy of the application available for public review. The following items are included to help you meet the regulatory requirements associated with this notice:

- Instructions for Public Notice
- Notice for Newspaper Publication
- Public Notice Verification Form
- Publisher's Affidavits

You must follow all the directions in the enclosed instructions. The most common mistakes are the unauthorized changing of notice, wording, or font. If you fail to follow these instructions, you may be required to republish the notices.

The following requirements are also described in the enclosed instructions. However, due to their importance, they are highlighted here as well.

1. Publish the enclosed notice within **30 calendar days** after your application is declared administratively complete. (See this letter's first paragraph for the declaration date.) **You may be required to publish the notice in more than one newspaper, including a newspaper published in an alternative language, to satisfy all of the notice requirements.**
2. On or before the date you publish notice, place a copy of your permit application in a public place in the county where the facility is or will be located. This copy must be accessible to the public for review and copying, must be updated to reflect changes to the application, and must remain in place throughout the comment period.

3. For each publication, submit proof of publication of the notice that shows the publication date and newspaper name to the Office of the Chief Clerk within **30 calendar days** after notice is published in the newspaper.
4. Return the original enclosed Public Notice Verification and the Publisher's Affidavits to the Office of the Chief Clerk within **30 calendar days** after the notice is published in the newspaper.

If you do not comply with **all** the requirements described in the instructions, further processing of your application may be suspended, or the agency may take other actions.

If you have any questions regarding publication requirements, please contact the Office of Legal Services at (512) 239-0600. If you have any questions regarding the content of the notice, please contact Leah Whallon at (512) 239-0084 or leah.whallon@tceq.texas.gov.

Sincerely,

J Bowers

Jennifer E. Bowers
Section Manager, Water Quality Division Support
Office of Water
Texas Commission of Environmental Quality

JEB/lcw

Enclosures

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 24, 2024

Mr. Matthew Haak
Project Manager
Kleinfelder, Inc.
12000 Aerospace Avenue, Suite 450
Houston, Texas 77034

RE: Application for Proposed Permit No.: WQ0005461000 (EPA I.D. No. TX0146196)
Applicant Name: Gladieux Metals Recycling, LLC (CN605364843)
Site Name: Pond 4 (RN111992467)
Type of Application: New

VIA EMAIL

Dear Mr. Haak:

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

1. Core Data Form, Section III, Item 25
   Please provide a revised page with an updated location description using the requested format of a single distance in feet or miles from a nearby intersection. A suggested description in this format is "approximately 1,700 feet southeast of the intersection of County Road 223 and Farm-to-Market Road 523."

2. Administrative Report 1.0, Items 5 – 7
   The address for Ms. Judy LeBlanc at 302 Midway, Freeport, Texas 77542 could not be verified as a valid postal address. Please provide revised page(s) with an updated and valid mailing address for Ms. LeBlanc.

3. Administrative Report 1.1, Item 1
   The affected landowner map does not include a scale. Please provide a revised landowner map that has a scale.

   No mailing labels were found in the application. Please provide the affected landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word document.

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

APPLICATION. Gladieux Metals Recycling, LLC, P.O. Box 2290, Freeport, Texas 77542, which will operate a remediation project for a pond which previously stored intermediate materials, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005461000 (EPA I.D. No. TX0146196) to authorize the discharge of stormwater at a volume not to exceed a daily average flow of 480,000 gallons per day. The facility is located approximately 1,700 feet southeast of the intersection of County Road 223 and Farm-to-Market Road 523, near the city of Freeport, in Brazoria County, Texas 77541. The discharge route will be from the plant site via pipe to an unnamed tributary, thence to Bastrop Bayou Tidal. TCEQ received this application on June 13, 2024. The permit application will be available for viewing and copying at Brazoria County Courthouse, 111 East Locust Street, Suite 200, Angleton, in Brazoria County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.358333,29.076666&level=18

Further information may also be obtained from Gladieux Metals Recycling, LLC the address stated above or by calling Ms. Judy LeBlanc, Environmental H & S Specialist, at 979-415-1547.

Please submit the complete response, addressed to my attention by July 8, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-0084 or by email at leah.whallon@tceq.texas.gov

Sincerely,

Leah Whallon

Leah Whallon
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

lcw

cc: Ms. Judy LeBlanc, Environmental H&S Specialist, Gladieux Metals Recycling, LLC

Leah Whallon

From: Matthew Haak <Mhaak@Kleinfelder.com>
Sent: Wednesday, July 3, 2024 1:41 PM
To: Leah Whallon
Cc: Judy LeBlanc; Roxie Voran
Subject: RE: Application for Proposed Permit No. WQ0005461000; Gladieux Metals Recycling, LLC; Pond 4
Attachments: Response to Comments.pdf; Landowner Address Labels.doc

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon,
Please see the attached the response to the Notice of Deficiency letter dated June 24, 2024 requesting additional information needed to declare the application administratively complete.

Matthew Haak
Project Manager
12000 Aerospace Avenue, Suite 450
Houston, Texas 77034
o| 281.922.4766
d| 281.436.7516
c| 281.846.8163
f| 281.922.4767

From: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>
Sent: Monday, June 24, 2024 4:58 PM
To: Matthew Haak <Mhaak@Kleinfelder.com>
Cc: jleblanc@aleonmetal.com
Subject: Application for Proposed Permit No. WQ0005461000; Gladieux Metals Recycling, LLC; Pond 4

Good Afternoon,

Please see the attached Notice of Deficiency letter dated June 24, 2024 requesting additional information needed to declare the application administratively complete. Please send the complete response by July 8, 2024.

Please let me know if you have any questions.

Thank you,

Leah Whallon
Texas Commission on Environmental Quality
Water Quality Division
512-239-0084
leah.whallon@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

July 3, 2024

Ms. Leah Whallon
Applications Review and Processing Team, MC-148
Water Quality Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

Re: Application for Proposed Permit No.: WQ0005461000 (EPA I.D. No. TX0146196)
Gladieux Metals Recycling, LLC (CN605364843)
Site Name: Pond 4 (RN111992467)

Dear Ms. Whallon:

Gladieux Metals Recycling LLC (Gladieux) provides the following information in response to the comments included in your letter dated June 24, 2024.

TCEQ Comment

1. **Core Data Form, Section III, Item 25**
Please provide a revised page with an updated location description using the requested format of a single distance in feet or miles from a nearby intersection. A suggested description in this format is "approximately 1,700 feet southeast of the intersection of County Road 223 and Farm-to-Market Road 523."

Gladieux Response

A revised page is attached.

TCEQ Comment

2. **Administrative Report 1.0, Items 5 – 7**
The address for Ms. Judy LeBlanc at 302 Midway, Freeport, Texas 77542 could not be verified as a valid postal address. Please provide revised page(s) with an updated and valid mailing address for Ms. LeBlanc.

Gladieux Response

Revised pages are attached with a corrected address. In addition, the address Item 10 of Administrative Report 1.0 was also revised and is attached.

TCEQ Comment

3. **Administrative Report 1.1, Item 1**
   The affected landowner map does not include a scale. Please provide a revised landowner map that has a scale.

   No mailing labels were found in the application. Please provide the affected landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word document.

Gladieux Response

A revised landowner map with a scale is attached.
A Microsoft Word document with the affected landowner list is provided with this response.

TCEQ Comment

4. **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.**

Gladieux Response

No errors or omissions were noted in the portion of the NORI that was provided.

Sincerely,

Matthew Haak
Project Manager

Taylor Goodwin
Staff Professional I

Attachments

(979) 415-1500		( ) -

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.)*

Pond 4

23. Street Address of the Regulated Entity: ***(No PO Boxes)***								
	City		**State**		**ZIP**		**ZIP + 4**	
24. County								

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

25. Description to Physical Location:	Approximately 1,740-feet east-southeast of the intersection of FM 523 and FM 223.				
26. Nearest City			**State**	**Nearest ZIP Code**	
Freeport			TX	77542	

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

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	4	36.4	95	21	30.4

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)
3341		331420	331423

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

Previously stored intermediate material.

34. Mailing Address:	**P.O. Box 2290**							
	City	**Freeport**	**State**	**TX**	**ZIP**	**77542**	**ZIP + 4**	**2290**

35. E-Mail Address:	**JLeBlanc@aleonmetals.com**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(979) 415-1547		( ) -

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.

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

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

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

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

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

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

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

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

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

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

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

☐ Yes ☐ No

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

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

a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: 1.0-1

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

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

a. ☒ Administrative Contact . ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Haak/Matthew

Title: Project Manager Credential: N/A

Organization Name: Kleinfelder, Inc.

Mailing Address: 12000 Aerospace Ave, Suite 450 City/State/Zip: Houston, TX 77034

Phone No: 281-922-4766 Email: mhaak@kleinfelder.com

b. ☒ Administrative Contact ☐ Technical Contact

Prefix: Ms. Full Name (Last/First Name): LeBlanc/Judy

Title: Env. H & S Specialist Credential: N/A

Organization Name: Gladieux Metals Recycling LLC

Mailing Address: P.O. Box 2290 City/State/Zip: Freeport, TX 77542

Phone No: 979-415-1547 Email: JLeBlanc@aleonmetals.com

Attachment: N/A

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

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

a. Prefix: Mr. Full Name (Last/First Name): Haak/Matthew

Title: Project Manager Credential: N/A

Organization Name: Kleinfelder, Inc.

Mailing Address: 12000 Aerospace Ave., Suite 450 City/State/Zip: Houston, TX 77034

Phone No: 281-922-4766 Email: mhaak@kleinfelder.com

b. Prefix: Ms. Full Name (Last/First Name): LeBlanc/Judy

Title: Env. H & S Specialist Credential: N/A

Organization Name: Gladieux Metals Recycling LLC

Mailing Address: P.O. Box 2290 City/State/Zip: Freeport, TX 77542

Phone No: 979-415-1547 Email: JLeBlanc@aleonmetals.com

Attachment: N/A

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

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

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

Prefix: Ms. Full Name (Last/First Name): LeBlanc/Judy

Title: Env. H & S Specialist Credential: N/A

Organization Name: Gladieux Metals Recycling LLC

Mailing Address: P.O. Box 2290 City/State/Zip: Freeport, TX 77542

Phone No: 979-415-1547 Email: JLeBlanc@aleonmetals.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.

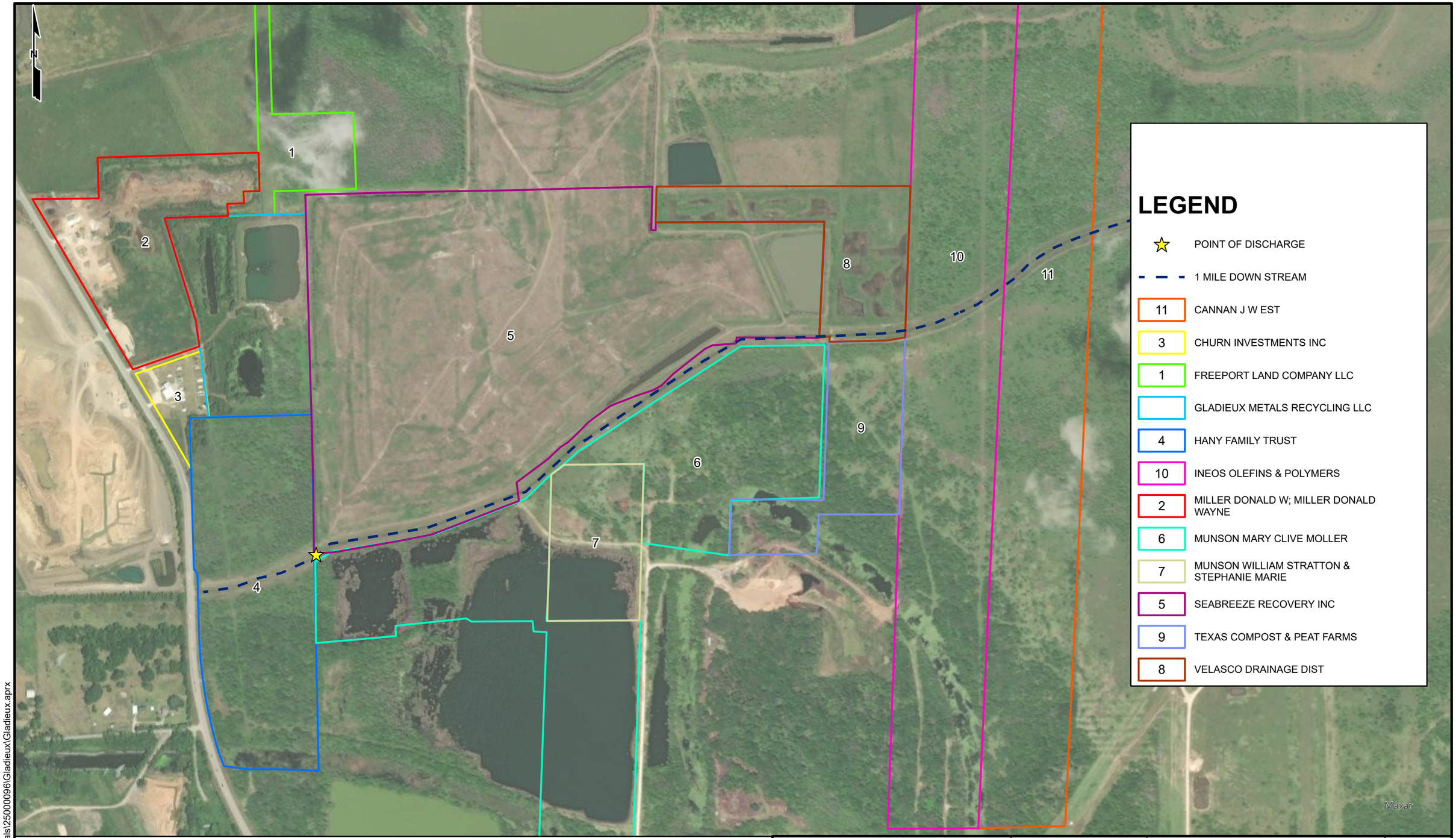
Prefix: Mr. Full Name (Last/First Name): Haak/Matthew

Title: Project Manager Credential: N/A

Organization Name: Kleinfelder, Inc.

Mailing Address: 12000 Aerospace Ave., Suite 450 City/State/Zip: Houston, TX 77034

Phone No: 281-922-4766 Email: mhaak@kleinfelder.com



G:\Client\Gladieux Metals\25000096\Gladieux\Gladieux.aprx

LAT: 29°27'06.46"N, LONG: 95°33'78.69"W
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - TEXAS NORTH CENTRAL

0 375 750 1,500 Feet

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.	20239563
DRAWN:	7/1/2024
DRAWN BY:	JB
CHECKED BY:	TG
FILE NAME:	Fig1.1LandownderMap

LANDOWNER MAP

GLADIEUX METALS RECYCLING
BRAZORIA COUNTY, TEXAS

FIGURE
1.1

FREEPORT LAND COMPANY LLC
PO BOX 2290
FREEPORT TX 77542-2290

JW CANNAN ESTATE
PO BOX 1775
GONZALES TX 78629-1275

DONALD W MILLER
PO BOX 349
BRAZORIA TX 77422-0349

CHURN INVESTMENTS INC
4106 PARRY DR
PEARLAND TX 77584-1491

HANY FAMILY TRUST
PO BOX 940938
HOUSTON TX 77094-7938

SEABREEZE RECOVERY INC
CO WASTE CONNECTION INC
3 WATERWAY SQUARE PL SUITE 110
THE WOODLANDS TX 77380-3487

MARY CLIVE MOLLER MUNSON
621 CATALPA STREET
ANGLETON TX 77515-4803

WILLIAM STRATTON AND STEPHANIE MARIE MUNSON
1013 SUNSET TR
ANGLETON TX 77515-9027

VELASCO DRAINAGE DISTRICT
PM CROW CHAIRMAN
PO BOX 7
CLUTE TX 77531-0007

TEXAS COMPOST AND PEAT FARMS
PO BOX 302
WEST COLUMBIA TX 77486-0302

INEOS OLEFINS AND POLYMERS
2600 SOUTH SHORE BLVD SUITE 500
LEAGUE CITY TX 77573-2944

TCEQ Interoffice Memorandum

To: Industrial Permits Team
Wastewater Permitting Section

From: M. A. Wallace, PhD, Standards Implementation Team *MAW*
Water Quality Assessment Section
Water Quality Division

Thru: Peter Schaefer, Standards Implementation Team Leader
Water Quality Assessment Section
Water Quality Division

Date: 8/16/2024

Subject: Gladieux Metals Recycling LLC; Permit no. 05461-000
New; Application received 6/13/2024

The discharge route for the above referenced permit is via pipe to an unnamed tributary, thence to Bastrop Bayou Tidal in Segment 1105 of the San Jacinto-Brazos Coastal Basin. The designated uses and dissolved oxygen criterion as stated in Appendix A of the Texas Surface Water Quality Standards (30 Texas Administrative Code (TAC) §307.10) for Segment 1105 are primary contact recreation, high aquatic life use, and 4.0 mg/L dissolved oxygen.

Since the discharge is directly to an unclassified water body, the permit action was reviewed in accordance with 30 Texas Administrative Code §307.4(h) and (l) of the 2022 Texas Surface Water Quality Standards and the *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010). Based on available information, a preliminary determination of the aquatic life uses in the area of the discharge impact has been performed and the corresponding dissolved oxygen criterion assigned.

Unnamed tributary (non-tidal: 0.8 mile downstream of outfall); limited aquatic life use; 3.0 mg/L dissolved oxygen.
Unnamed tributary (tidal); high aquatic life use; 4.0 mg/L dissolved oxygen.

In accordance with 30 Texas Administrative Code §307.5 and the *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in the unnamed tributary (tidal), which has been identified as having high aquatic life use. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

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

listed in Appendix A of the USFWS biological opinion. Though the piping plover, *Charadrius melodus* Ord, can occur in Brazoria County, the county is north of Copano Bay and not a watershed of high priority per Appendix A of the biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. The permit does not require EPA review with respect to the presence of endangered or threatened species.

TCEQ Interoffice Memorandum

To: Industrial Permits Team
Wastewater Permitting Section

From: Xing Lu, P.E
Modeler, Water Quality Assessment Team
Water Quality Assessment Section

Date: November 1, 2024

Subject: Gladieux Metals Recycling LLC
New Permit (WQ0005461000, TX0146196)
Discharge into a tributary of Bastrop Bayou Tidal (Segment No. 1105)

The referenced applicant is seeking a permit authorizing the discharge of 0.48 MGD of accumulated storm water associated with industrial activities into the watershed of Bastrop Bayou Tidal (Segment No. 1105). The facility is located in Brazoria County.

Please provide the technology-based limits developed for this facility when they become available so that the dissolved oxygen analysis of this discharge can be finalized.

Segment No. 1105 is currently listed on the State's inventory of impaired and threatened waters (the 2022 Clean Water Act Section 303(d) list). The list is for bacteria in water from the confluence with Bastrop Bay 1.1 km (0.7 mi) downstream of the Intracoastal Waterway in Brazoria County to a point 8.6 km (5.3 mi) upstream of Business 288 at Lake Jackson in Brazoria County (AU 1105_01).


523
Living Earth - Lake Jackson
Gladieux Metals Pond 4
Suction Line
Pump
Discharge Line
Discharge Line
523
Unnamed Tributary
Outfall Location
29.071492, -95.357425

Re: E-mail correspondence on Fri 8/16/2024 1:26 PM

From: Matthew Haak <Mhaak@Kleinfelder.com>

A revised copy of the SPIF is attached with language clarifying that the water will be pumped from the pond and conveyed through a pipe to the point of discharge into the unnamed tributary of Bastrop Bayou. This pathway is illustrated on the attached figure. The coordinates provided for the outfall are correct.

Please feel free to contact us if there are any additional questions.

Matthew Haak

Project Manager

12000 Aerospace Avenue, Suite 450

Houston, Texas 77034

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: Gladieux Metals Recycling LLC

   Permit No. WQ00 N/A EPA ID No. TX N/A

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

   Approximately eight miles north of Freeport on FM 523 and approximately 1350 feet south of the intersection of FM 523 and County Road 223 on the east side of FM 523.

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: Matthew Haak

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

Title: Project Manager

Mailing Address: Kleinfelder, Inc., 12000 Aerospace Ave., Suite 450

City, State, Zip Code: Houston, TX 77034

Phone No.: 281-922-4766 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: mhaak@kleinfelder.com

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

Property is owned by the permittee/applicant.

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.

Water must be pumped from the pond in which it is contained to allow for remediation and closure of the pond. The water will be pumped from the southern end of the pond, then conveyed through a pipe in a southerly direction a distance of approximately 1,750 feet to the point of discharge into an unnamed tributary to Bastrop Bayou. From the point of discharge, the distance to Bastrop Bayou (Segment No. 1105) is approximately 4.25 miles.

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):

Not applicable

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

The water to be discharged is contained in a surface impoundment that covers a portion of the property.

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:

Not applicable

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

Property is undeveloped.

TCEQ Interoffice Memorandum

To: Industrial Permits Team
Wastewater Permitting Section

From: Sarah Musgrove, Water Quality Assessment Team
Water Quality Assessment Section

Date: October 16, 2024

Subject: Gladieux Metals Recycling LLC
Wastewater Permit No. WQ0005461000, New
Critical Conditions Recommendation Memo

The following information applies to **Outfall 001**.

This current permit authorizes the discharge of predominately stormwater on an intermittent and flow-variable basis. Typically, critical conditions are not developed for predominately stormwater outfalls. If the permit writer determines that water quality-based limits are necessary, critical conditions can be calculated upon request.

OUTFALL LOCATION[1]

Outfall Number	Latitude	Longitude
001	29.071492 N	95.357425 W

[1] Latitude and Longitude values are approximations of the location for administrative purposes.

TCEQ Interoffice Memorandum

To: Industrial Permits Team
Wastewater Permitting Section

From: Sarah Musgrove, Water Quality Assessment Team
Water Quality Assessment Section

Date: March 27, 2025

Subject: Gladieux Metals Recycling LLC
Wastewater Permit No. WQ0005461000, New
Critical Conditions Recommendation Memo

This Critical Conditions Recommendation Memo supersedes the memo previously issued on October 16, 2024.

The following information applies to **Outfall 001**.

The TexTox menu number is 7 for an intermittent water body with perennial pools.

This discharge is to an unnamed tributary.

Segment No.	1105
Critical Low Flow [7Q2] (cfs)	0
% Effluent for Chronic Aquatic Life (Mixing Zone)	100
% Effluent for Acute Aquatic Life (ZID)	100
Effluent Flow for Human Health (MGD)	0.48 (Proposed)
Harmonic Mean Flow (cfs)	0.20

Human Health criteria apply for Fish Only.

There is no mixing zone established for this discharge to an intermittent stream with perennial pools. Chronic toxic criteria apply at the point of discharge.

OUTFALL LOCATION[1]

Outfall Number	Latitude	Longitude
001	29.071492 N	95.357425 W

[1] Latitude and Longitude values are approximations of the location for administrative purposes.