

## Permit Application Routing and Summary Sheet

This sheet must be filed on the left side of the permit file until the application is issued, denied or withdrawn. After which it is moved to the right side of the permit file. If the application is denied or withdrawn, the file must be remanded back to the Application Review and Processing Team.

Applicant Name: Titan Production Equipment, LLC

Plant Name: Columbus Facility WWTF

TLAP Permit No.: WQ0011975001

EPA ID No.: N/A

Segment No.: 1302

Immediate Receiving Water: N/A

TCEQ Region: 12, Houston County: Colorado

CN605551720,      RN100928696

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Facility Active?      Active

Within Coastal Zone?   No      (If **yes**, check notice rqmts for new & maj amend)

Above Threshold?      No

EPA Classification:      Minor

Authorization Type:      Domestic Wastewater - Privately Owned Treatment Works

Discharge Type:      TLAP

Application Type:      Renewal without changes

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Review Type

Reviewer Name

Assignment Date

Standards

Peer Reviewer

Diffuser

Critical Conditions

Modeling

Biomonitoring

Groundwater

Soils

# **Applicant & Their Contacts during Application Process and Mailing List for Notice**

TCEQ Permit No. WQ0011975001

## **Applicant Information**

Applicant(s) Name: Titan Production Equipment, LLC

Permit Mailing Address: 2207 Farm-to-Market Road 949, Alleyton, Texas 78935

Customer No(s).: CN605551720

Regulated Entity No.: RN100928696

## **Contact Information**

### **Applicant's Representative(s) or Contact Person during Application Process**

Mr. Mike Grimland  
Senior Vice President  
Titan Production Equipment, LLC  
2207 Farm-to-Market Road 949  
Alleyton, Texas 78935  
Phone No.: 832-691-0725  
Email: [mike.grimland@titanpeq.com](mailto:mike.grimland@titanpeq.com)

Mr. James Weishuhn, P.E.  
Environmental Consultant  
Weishuhn Engineering, Inc.  
P.O. Box 358  
Columbus, Texas 78934  
Phone No.: 979-732-6997  
Email: [weishuhnengineering@gmail.com](mailto:weishuhnengineering@gmail.com)

☐ Technical ☒ Administrative

☒ Technical ☐ Administrative

### **Notice To Be Published By**

Ms. Barbara Weishuhn  
Environmental Consultant  
Weishuhn Engineering, Inc.  
P.O. Box 358  
Columbus, Texas 78934  
Phone No.: 979-732-6997  
Email: [weishuhnengineering@gmail.com](mailto:weishuhnengineering@gmail.com)

### **Contact to be listed in the Notice**

Mr. Mike Grimland, Senior Vice President  
Phone No.: 281-607-7101

## **Mailing Lists**

Fixed State Mailing List (By Chief Clerk) ☒ SB 709 ☐ N/A - Minor Amendment

County Mailing List: Colorado

City to Be Notified for Plant: Alleyton

City to Be Notified for Outfall and/or Disposal Site: Alleyton

Coastal Zone Management Plan ☐ Yes ☒ No

Notice to GLO ☐ Yes ☒ No

Adjacent/Downstream Landowners List plus Interested Persons

Landowner Mailing List Attached ☐ Yes ☒ No

Bilingual Notice Required ☒ Yes ☐ No Spanish

Notify County Judges in the following counties **only if they officially requested to be notified of all permit actions** (Only Applies To Facilities with A Flow of 5 MGD or Greater): N/A





PERMIT NO. WQ0011975001

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

This is a renewal of Permit No.  
WQ0011975001 issued on  
February 10, 2020.

PERMIT TO DISCHARGE WASTES  
under provisions of Chapter 26  
of the Texas Water Code

Titan Production Equipment, LLC

whose mailing address is

2207 Farm-to-Market Road 949  
Alleyton, Texas 78935

Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code 3533.

General Description and Location of Waste Disposal System:

Description: The Columbus Facility Wastewater Treatment Facility consists of an activated sludge process plant using the extended aeration mode. Treatment units include two bar screens, an equalization tank, an aeration basin, a final clarifier, an aerobic sludge digester, and an effluent holding pond. The facility is in operation. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.006 million gallons per day (MGD) via surface irrigation of 10 acres of non-public access pastureland. The facility includes a storage pond with a total surface area of 0.35 acres and total capacity of 1.76 acre-feet for storage of treated effluent prior to irrigation. Application rates to the irrigated land shall not exceed 0.53 acre-feet per year per acre irrigated based on an irrigation frequency of 5 days per week. The permittee will maintain Bermuda grass, ryegrass, and native grasses on the disposal site.

Location: The wastewater treatment facility and disposal site are located at 2207 Farm-to-Market Road 949, in Colorado County, Texas 78935. (See Attachment A.)

Drainage Area: The wastewater treatment facility and disposal site are located in the drainage basin of San Bernard River Above Tidal in Segment No. 1302 of the Brazos-Colorado Coastal Basin. No discharge of pollutants into water in the state is authorized by this permit.

This permit and the authorization contained herein shall expire at midnight, **ten years from the date of issuance.**

ISSUED DATE:

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For the Commission

**EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

**Conditions of the Permit: No discharge of pollutants into water in the state is authorized.**

A. Effluent Limitations

Character: Treated Domestic Sewage Effluent

Volume: Daily Average Flow – 0.006 MGD from the treatment system

Quality: The following effluent limitations are required:

<u>Parameter</u>	<u>Effluent Concentrations</u>	
	(Not to Exceed)	
	<u>Daily Average mg/l</u>	<u>Single Grab mg/l</u>
Biochemical Oxygen Demand (5-day)	N/A	65

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units.

B. Monitoring Requirements:

<u>Parameter</u>	<u>Monitoring Frequency</u>	<u>Sample Type</u>
Flow	Five/week	Instantaneous
Biochemical Oxygen Demand (5-day)	One/month	Grab
pH	One/month	Grab

The monitoring shall be done after the final treatment unit and prior to storage of the treated effluent. If the effluent is land applied directly from the treatment system, monitoring shall be done after the final treatment unit and prior to land application. These records shall be maintained on a monthly basis and be available at the plant site for inspection by authorized representatives of the Commission for at least three years.

**STANDARD PERMIT CONDITIONS**

This permit is granted in accordance with the Texas Water Code and the rules and other Orders of the Commission and the laws of the State of Texas.

**DEFINITIONS**

All definitions in Section 26.001 of the Texas Water Code 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. 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.
- b. 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 1 million gallons per day or greater permitted flow.
- c. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.

**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.

### 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 (b).
  - 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 and/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 which have not been classified as hazardous waste separated from wastewater by unit processes.
  6. The term "biosolids" is defined as sewage sludge that has been tested or processed to meet Class A, Class AB, or Class B pathogen standards in 30 TAC Chapter 312 for beneficial use.
  7. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

## MONITORING REQUIREMENTS

### 1. Monitoring Requirements

Monitoring results shall be collected 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 in accordance with 30 TAC §§ 319.4 - 319.12.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Texas Water Code, Chapters 26, 27, and 28, and Texas Health and Safety Code, 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, records 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 or biosolids use and disposal activities, which shall be retained for a period of at least five years, monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, and records of all data used to complete the application for this permit 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, or application. 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 determining compliance with permit requirements.

### 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 and/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 which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Except as allowed by 30 TAC § 305.132, 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. 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 which exceeds any effluent limitation in the permit.
- c. In addition to the above, any effluent violation which 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.

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 which 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) which 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 which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which 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).

### 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 which 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 Texas Water Code Section 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 Special Provisions section of this permit.
  - h. 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).
3. Inspections and Entry
    - a. Inspection and entry shall be allowed as prescribed in the Texas Water Code Chapters 26, 27, and 28, and Texas Health and Safety Code 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 Texas Water Code Section 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 and/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 could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9;
  - ii. 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 which are not described in the permit application or which 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 Texas Water Code § 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.

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 which requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Property Rights

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

8. 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.

9. 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.

10. 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(14)) 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 or biosolids 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 and/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, and/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 Texas Water Code § 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 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 which 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 percent of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90 percent 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 and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75 percent 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 judgement 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. Facilities which 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.

- 11. 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 Chapter 361 of the Texas Health and Safety Code.

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## SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge or biosolids only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge. **The disposal of sludge or biosolids by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of Class A or Class AB Biosolids. This provision does not authorize the permittee to land apply biosolids on property owned, leased or under the direct control of the permittee.**

### SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS LAND APPLICATION

#### A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge or biosolids.
2. In all cases, if the person (permit holder) who prepares the sewage sludge or biosolids supplies the sewage sludge or biosolids to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge or biosolids to assure compliance with these regulations.
3. The land application of processed or unprocessed chemical toilet waste, grease trap waste, grit trap waste, milk solids, or similar non-hazardous municipal or industrial solid wastes, or any of the wastes listed in this provision combined with biosolids, WTP residuals or domestic septage is prohibited unless the grease trap waste is added at a fats, oil and grease (FOG) receiving facility as part of an anaerobic digestion process.

#### B. Testing Requirements

1. Sewage sludge or biosolids shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 12) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. The permittee shall submit the following information in an annual report to the TCEQ by September 30<sup>th</sup> of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 12) and the Enforcement Division (MC 224).

2. Biosolids shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C. of this permit.

TABLE 1

<u>Pollutant</u>	<u>Ceiling Concentration</u> <u>(Milligrams per kilogram)*</u>
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

\* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B biosolids pathogen requirements.

- a. For sewage sludge to be classified as Class A biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge must be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(2)(A) for specific information;



Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion; or

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

- b. For sewage sludge to be classified as Class AB biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%; or

Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information; or

Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

- c. Sewage sludge that meets the requirements of Class AB biosolids may be classified a Class A biosolids if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.
- d. Three alternatives are available to demonstrate compliance with Class B biosolids criteria.

Alternative 1

- i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.
- ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;
- ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;
- iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and
- v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

- ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;
- iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and
- v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition to the Alternatives 1 – 3, the following site restrictions must be met if Class B biosolids are land applied:

- i. Food crops with harvested parts that touch the biosolids /soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.
- ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain the land surface for 4 months or longer prior to incorporation into the soil.
- iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of biosolids when the biosolids remain on the land surface for less than 4 months prior to incorporation into the soil.
- iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of biosolids.
- v. Domestic livestock shall not be allowed to graze on the land for 30 days after application of biosolids.
- vi. Turf grown on land where biosolids are applied shall not be harvested for 1 year after application of the biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn.
- vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of biosolids.

- viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of biosolids.
- ix. Land application of biosolids shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.
4. Vector Attraction Reduction Requirements
- All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.
- Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.
- Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.
- Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.
- Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.
- Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.
- Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.
- Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

- i. Sewage sludge shall be injected below the surface of the land.
- ii. No significant amount of the sewage sludge shall be present on the land surface within one hour after the sewage sludge is injected.
- iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the biosolids shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10 -

- i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
- ii. When biosolids that are incorporated into the soil is Class A or Class AB with respect to pathogens, the sewage sludge shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

### C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test	- once during the term of this permit
PCBs	- once during the term of this permit

All metal constituents and fecal coliform or *Salmonella* sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

<u>Amount of biosolids (*) metric tons per 365-day period</u>	<u>Monitoring Frequency</u>
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter
1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(\*) *The amount of bulk biosolids applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, sewage sludge or biosolids for disposal at a landfill) and whether the material is ultimately conveyed off-site in bulk or in bags.

**SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B BIOSOLIDS PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3**

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

**A. Pollutant Limits**

Table 2

<u>Pollutant</u>	Cumulative Pollutant Loading Rate (pounds per acre)*
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

<u>Pollutant</u>	Monthly Average Concentration (milligrams per kilogram)*
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

\*Dry weight basis

**B. Pathogen Control**

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B biosolids pathogen reduction requirements as defined above in Section I.B.3.

**C. Management Practices**

1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge or biosolids enters a wetland or other waters in the State.
2. Bulk sewage sludge not meeting Class A biosolids requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.
3. Bulk biosolids shall be applied at or below the agronomic rate of the cover crop.
4. An information sheet shall be provided to the person who receives bulk Class A or AB biosolids sold or given away. The information sheet shall contain the following information:
  - a. The name and address of the person who prepared the Class A or AB biosolids that are sold or given away in a bag or other container for application to the land.
  - b. A statement that application of the Class A or AB biosolids to the land is prohibited except in accordance with the instruction on the label or information sheet.
  - c. The annual whole sludge application rate for the sewage sludge application rate for the biosolids that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

**D. Notification Requirements**

1. If bulk biosolids are applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk biosolids are proposed to be applied. The notice shall include:
  - a. The location, by street address, and specific latitude and longitude, of each land application site.
  - b. The approximate time period bulk biosolids will be applied to the site.
  - c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk biosolids.
2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the biosolids disposal practice.

**E. Record Keeping Requirements**

The documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a biosolids material shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative for a period



of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.
2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B biosolids, if applicable).
3. A description of how the vector attraction reduction requirements are met.
4. A description of how the management practices listed above in Section II.C are being met.
5. The following certification statement:

“I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk biosolids are applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment.”

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk biosolids shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:
  - a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee’s specific sludge or biosolids treatment activities.
  - b. The location, by street address, and specific latitude and longitude, of each site on which sludge or biosolids are applied.
  - c. The number of acres in each site on which bulk sludge or biosolids are applied.
  - d. The date and time sludge or biosolids are applied to each site.
  - e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.
  - f. The total amount of sludge applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

## **F. Reporting Requirements**

The permittee shall submit the following information in an annual report to the TCEQ by September 30<sup>th</sup> of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 12) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.
3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.
4. The frequency of monitoring listed in Section I.C. that applies to the permittee.
5. Toxicity Characteristic Leaching Procedure (TCLP) results.
6. PCB concentration in sludge or biosolids in mg/kg.
7. Identity of hauler(s) and TCEQ transporter number.
8. Date(s) of transport.
9. Texas Commission on Environmental Quality registration number, if applicable.
10. Amount of sludge or biosolids disposal dry weight (lbs/acre) at each disposal site.
11. The concentration (mg/kg) in the sludge or biosolids of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.
12. Level of pathogen reduction achieved (Class A, Class AB or Class B).
13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B biosolids, include information on how site restrictions were met.
14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.
15. Vector attraction reduction alternative used as listed in Section I.B.4.

16. Amount of sludge or biosolids transported in dry tons/year.
17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge or biosolids treatment activities, shall be attached to the annual reporting form.
18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.
  - a. The location, by street address, and specific latitude and longitude.
  - b. The number of acres in each site on which bulk biosolids are applied.
  - c. The date and time bulk biosolids are applied to each site.
  - d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk biosolids applied to each site.
  - e. The amount of biosolids (i.e., dry tons) applied to each site.

The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

**SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL**

- A. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge or biosolids meet the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
- B. If the permittee generates sewage sludge or biosolids and supplies that sewage sludge or biosolids to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.
- C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge or biosolids disposal practice.
- D. Sewage sludge or biosolids shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 12) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 12) and the Enforcement Division (MC 224), by September 30<sup>th</sup> of each year.

- E. Sewage sludge or biosolids shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 330.
- F. Record Keeping Requirements

The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.
2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

#### G. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30<sup>th</sup> of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 12) and the Enforcement Division (MC224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Toxicity Characteristic Leaching Procedure (TCLP) results.
3. Annual sludge or biosolids production in dry tons/year.
4. Amount of sludge or biosolids disposed in a municipal solid waste landfill in dry tons/year.
5. Amount of sludge or biosolids transported interstate in dry tons/year.
6. A certification that the sewage sludge or biosolids meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
7. Identity of hauler(s) and transporter registration number.
8. Owner of disposal site(s).
9. Location of disposal site(s).
10. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

**SECTION IV. REQUIREMENTS APPLYING TO SLUDGE OR BIOSOLIDS TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING**

These provisions apply to sludge or biosolids that is transported to another wastewater treatment facility or facility that further processes sludge or biosolids. These provisions are intended to allow transport of sludge or biosolids to facilities that have been authorized to accept sludge or biosolids. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge or biosolids, nor do they limit the ability of the receiving facility to request additional testing or documentation.

**A. General Requirements**

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.
2. Sludge or biosolids may only be transported using a registered transporter or using an approved pipeline.

**B. Record Keeping Requirements**

1. For sludge or biosolids transported by an approved pipeline, the permittee must maintain records of the following:
  - a. the amount of sludge or biosolids transported;
  - b. the date of transport;
  - c. the name and TCEQ permit number of the receiving facility or facilities;
  - d. the location of the receiving facility or facilities;
  - e. the name and TCEQ permit number of the facility that generated the waste; and
  - f. copy of the written agreement between the permittee and the receiving facility to accept sludge or biosolids.
2. For sludge or biosolids transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge or biosolids transported.
3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

**C. Reporting Requirements**

The permittee shall submit the following information in an annual report to the TCEQ by September 30<sup>th</sup> of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 12) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. the annual sludge or biosolids production;
3. the amount of sludge or biosolids transported;
4. the owner of each receiving facility;
5. the location of each receiving facility; and
6. the date(s) of disposal at each receiving facility.

**SPECIAL PROVISIONS:**

1. This permit is 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 this permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, if an area-wide system is developed; to require the delivery of the wastes authorized to be collected in, treated by, or discharged from the system, to an 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.
2. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.

This Category C facility must be operated by a chief operator or an operator holding a Class C license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift which does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

3. The permittee shall maintain and operate the treatment facility in order to achieve optimum efficiency of treatment capability. This shall include required monitoring of effluent flow and quality as well as appropriate grounds and building maintenance.
4. The permittee shall obtain representative soil samples from the root zones of the land application area receiving wastewater. Composite sampling techniques shall be used. Each composite sample shall represent no more than 10 acres with no less than 10 to 15 subsamples representing each composite sample. Subsamples shall be composited by like sampling depth, type of crop and soil type for analysis and reporting. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 to 18 inches, and 18 to 30 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.



The permittee shall provide annual soil analyses of the land application area according to the following table:

<b>Parameter</b>	<b>Method</b>	<b>Minimum Analytical Level (MAL)</b>	<b>Reporting units</b>
pH	2:1 (v/v) water to soil mixture		Reported to 0.1 pH units after calibration of pH meter
Electrical Conductivity	2:1 (v/v) water to soil mixture	0.01	dS/m (same as mmho/cm)
Nitrate-nitrogen	From a 1 <u>N</u> KCl soil extract	1	mg/kg (dry weight basis)
Total Kjeldahl Nitrogen (TKN)	For determination of Organic plus Ammonium Nitrogen. Procedures that use Mercury (Hg) are not acceptable.	20	mg/kg (dry weight basis)
Total Nitrogen	= TKN plus Nitrate-nitrogen		mg/kg (dry weight basis)
Plant-available: Phosphorus	Mehlich III with inductively coupled plasma	1 (P)	mg/kg (dry weight basis)
Plant-available: Potassium (K)	May be determined in the same Mehlich III extract with inductively coupled plasma	5 (K)	mg/kg (dry weight basis)
Amendment addition, e.g., gypsum			Report in <i>short tons/acre</i> in the year effected

A copy of this soil testing plan shall be provided to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the TCEQ Regional Office (MC Region 12) and the Compliance Monitoring Team (MC 224), no later than the end of September of each sampling year. If wastewater is not applied in a particular year, the permittee shall notify

the same TCEQ offices and indicate that wastewater has not been applied on the approved land irrigation site(s) during that year.

5. Irrigation practices shall be designed and managed as to prevent ponding of effluent or contamination of ground and surface waters and to prevent the occurrence of nuisance conditions in the area. To promote effluent and nutrient uptake by the crop, and to prevent pathways for effluent surfacing, Bermuda grass, ryegrass, and native grasses shall be established and well maintained in the irrigation area throughout the year. Tailwater control facilities shall be provided as necessary to prevent the discharge of any effluent from the irrigated land.
6. The permittee shall maintain Bermuda grass, ryegrass, native grasses on the disposal site. Application rates to the irrigated land shall not exceed 0.53 acre-feet per year per acre irrigated. The permittee is responsible for providing equipment to determine application rates and maintaining accurate records of the volume of effluent applied. These records shall be made available for review by the Texas Commission on Environmental Quality and shall be maintained for at least three years.
7. Holding or storage ponds shall conform to the design criteria for stabilization ponds with regard to construction and levee design and shall maintain a minimum freeboard of two feet according to 30 TAC Chapter 217, Design Criteria for Wastewater Treatment Systems.
8. The permittee shall comply with buffer zone requirements of 30 TAC Section §309.13(c). A wastewater treatment plant unit, defined by 30 TAC Section §309.11(9), must be located a minimum horizontal distance of 250 feet from a private well and a minimum horizontal distance of 500 feet from a public water well site, spring, or other similar sources of public drinking water, as provided by §290.41(c)(1) of this title. A land application field must be located a minimum horizontal distance of 150 feet from a private well and a minimum horizontal distance of 500 feet from a public water well site, spring, or other similar sources of public drinking water.
9. Any new or modified wastewater pond shall be adequately lined to control seepage in accordance with 30 TAC §217.203 **and** 30 TAC §309.13(d) since the facility overlies the recharge zone of an aquifer.
10. The permittee shall submit the liner certification for a newly-constructed or modified wastewater pond to the Water Quality Assessment Team (MC-150), the TCEQ Regional Office (MC-Region 12), and the TCEQ Compliance Monitoring Section (MC-224) within 30 days of completion and prior to use. The certification shall be signed and sealed by a Texas-licensed professional engineer and include a description of how the liner meets the requirements of 30 TAC §217.203 **and** 30 TAC §309.13(d).

Facilities for the retention of treated or untreated wastewater shall be adequately managed and lined to control seepage. At least once per month, the permittee shall inspect the sides and bottom (if visible) of the wastewater ponds for signs of damage and leakage, and any pond leak detection systems that are in service. Leaking ponds shall be removed from service, or operated in a manner to prevent discharge, until repairs are made or replacement ponds are constructed.

11. The existing wastewater pond shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.
12. Pond liner certifications and all liner construction and repair documentation shall be maintained by the Permittee for the life of the facility and be made available for TCEQ personnel for inspection and review.

13. The permittee shall maintain a minimum horizontal buffer distance of 100 feet from all surface waters where no land application of effluent will occur.
14. Prior to construction or installation of the bar screen and equalization basin of the wastewater treatment facilities, the permittee shall submit to the TCEQ Wastewater Permitting Section (MC 148) of the Water Quality Division, a summary transmittal letter according to the requirements in 30 TAC § 217.6(d). If requested by the Wastewater Permitting Section, the permittee shall submit plans, specifications and a final engineering design report which comply with the requirements of 30 TAC Chapter 217, Design Criteria for Domestic Wastewater Systems. The permittee shall clearly show how the treatment system will meet the permitted effluent limitations required on Page 2 of the permit. A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.
15. The permittee shall notify the TCEQ Regional Office (MC Region 12) and the Applications Review and Processing Team (MC 148) of the Water Quality Division, in writing at least forty-five (45) days prior to the completion of the new facilities (bar screen, equalization basin, and storage pond) on Notification of Completion Form 20007.
16. Effluent shall not be applied for irrigation during rainfall events or when the ground is frozen or saturated.
17. The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). In addition, by ownership of the required buffer zone area, the permittee shall comply with the requirements of 30 TAC § 309.13(e).
18. For any area where treated effluent is stored or where there exist hose bibs or faucets, the permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply. Signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message "DO NOT DRINK THE WATER" in both English and Spanish. All piping transporting the effluent shall be clearly marked with these same signs.
19. Spray fixtures for the irrigation system shall be of such design that they cannot be operated by unauthorized personnel.
20. Permanent transmission lines shall be installed from the holding tank to each tract of land to be irrigated utilizing effluent from that pond.
21. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.
22. The physical condition of the land application fields shall be monitored on a weekly basis. Any area with problems such as surface runoff, surficial erosion, or stressed or damaged vegetation, etc., shall be recorded in a field log kept onsite. Corrective measures will be implemented within 24 hours of discovery.

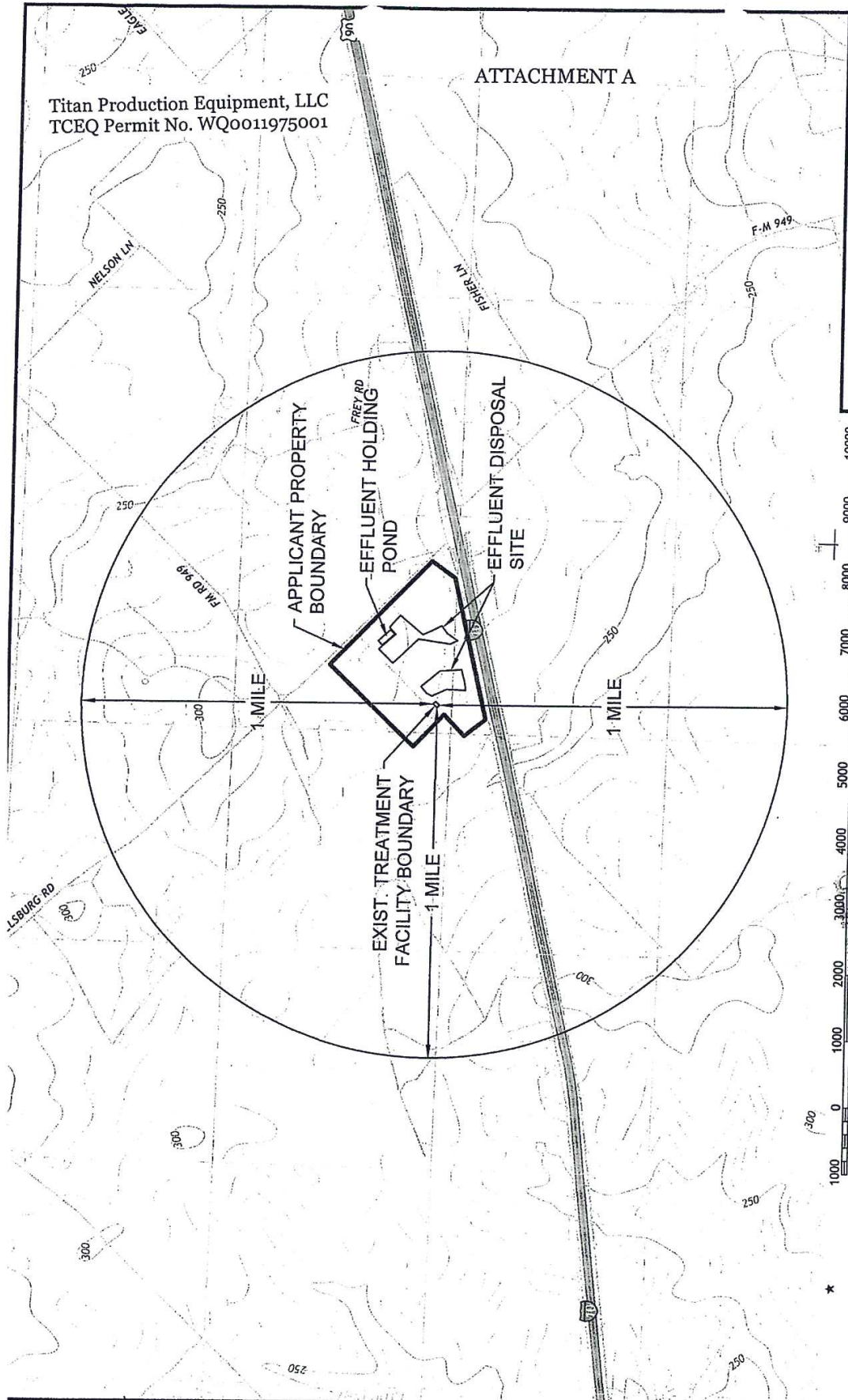
Titan Production Equipment, LLC  
TCEQ Permit No. WQ0011975001

# ATTACHMENT A

ATTACHMENT B  
USGS MAP  
TITAN PRODUCTION EQUIPMENT LLC  
ALLEYTON, TX  
COLORADO COUNTY

Weishuhn Engineering Inc.  
425 SPRING STREET P.O. BOX 358  
Columbus, Texas 78334  
(979) 732-5957-PHONE  
F-66

SCALE: 1"=2,000' DATE: 12/18/18 SHEET of



RECEIVED  
JAN 04 2019  
Water Quality Division  
Application Team

UTM GRID AND 2016 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET  
1° 16' 23 MILS  
3° 20' 59 MILS

R:\Exterrre to Titan\TLAP 2018\Permit Application\Attachment B Topographic Map 8.5x11.dwg

## **TECHNICAL SUMMARY AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION**

### DESCRIPTION OF APPLICATION

Applicant:	Titan Production Equipment, LLC TCEQ Permit No. WQ0011975001
Regulated Activity:	Domestic Wastewater Permit
Type of Application:	Renewal
Request:	Renewal with no changes
Authority:	Texas Water Code (TWC) § 26.027; 30 Texas Administrative Code (TAC) Chapters 305, 309, 312, 319, and 30; and Commission policies.

### 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 includes an expiration date of **ten years from the date of issuance**, according to 30 TAC Section 305.127(1)(C)(ii)(III), Conditions to be Determined for Individual Permits.

### REASON FOR PROJECT PROPOSED

Titan Production Equipment, LLC has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Permit No. WQ0011975001 to authorize the disposal of treated domestic wastewater at a daily average flow not to exceed 0.006 million gallons per day (MGD) via surface irrigation of 10 acres of non-public access pastureland. The facility includes a storage pond with a total surface area of 0.35 acres and total capacity of 1.76 acre-feet for storage of treated effluent prior to irrigation. The existing wastewater treatment facility serves the Titan PEQ Columbus Facility employees.

### PROJECT DESCRIPTION AND LOCATION

The Columbus Facility Wastewater Treatment Facility consists of an activated sludge process plant using the extended aeration mode. Treatment units include two bar screens, an equalization tank, an aeration basin, a final clarifier, an aerobic sludge digester, and an effluent holding pond. The facility is in operation.

Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ-authorized site, Aqua-Zyme Services, Inc., Registration No. 24180, in Matagorda County. The draft permit also authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

The wastewater treatment facility and disposal site are located at 2207 Farm-to-Market Road 949 in Colorado County, Texas 78935.

The wastewater treatment facility and disposal site are located in the drainage basin of San Bernard River Above Tidal in Segment No. 1302 of the Brazos-Colorado Coastal Basin. No discharge of pollutants into water in the state is authorized by this permit.

#### SUMMARY OF EFFLUENT DATA

The following is a summary of the applicant's effluent monitoring data for the period June 2022 through May 2024. The average of Daily Average value is computed by averaging of all 30-day average values for the reporting period for each parameter: flow and five-day biochemical oxygen demand (BOD<sub>5</sub>).

<u>Parameter</u>	<u>Average of Daily Average</u>
Flow, MGD	0.002
BOD <sub>5</sub> , mg/l	29

#### DRAFT PERMIT CONDITIONS

The draft permit authorizes the disposal of treated domestic wastewater effluent at a daily average flow not to exceed 0.006 MGD via surface irrigation of 10 acres of non-public access pastureland. The facility includes a storage pond with a total surface area of 0.35 acres and total capacity of 1.76 acre-feet for storage of treated effluent prior to irrigation. Application rates to the irrigated land shall not exceed 0.53 acre-feet per year per acre irrigated based on an irrigation frequency of 5 days per week. The permittee will maintain Bermuda grass, ryegrass, and native grasses on the disposal site.

The effluent limitation in the draft permit, based on a single grab, is 65 mg/l biochemical oxygen demand (BOD<sub>5</sub>)

The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). In addition, by ownership of the required buffer zone area, the permittee shall comply with the requirements of 30 TAC § 309.13(e).

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ-authorized site, Aqua-Zyme Services, Inc., Registration No. 24180, in Matagorda County. The draft permit also authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

#### SUMMARY OF CHANGES FROM APPLICATION

None.

#### SUMMARY OF CHANGES FROM EXISTING PERMIT

Effluent limitations and monitoring requirements in the draft permit remain the same as the existing permit effluent limitations and monitoring requirements. The Sludge Provisions, Special Provisions, and Standard Provisions have been revised in the draft permit.

Titan Production Equipment, LLC

Permit No. WQ0011975001

Statement of Basis/Technical Summary and Executive Director's Preliminary Decision

The draft permit includes all updates based on the 30 TAC 312 rule change effective April 23, 2020.

Special Provisions No. 5 and 18 were updated from the existing permit. Special Provisions No. 11, 12, and 22 were added to draft permit.

#### BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on July 18, 2024, and additional information received on July 29, 2024.
2. Existing TCEQ permit: Permit No. WQ0011975001 issued on February 10, 2020.
3. Interoffice Memorandum from the Water Quality Assessment Team, Water Quality Assessment & Standards Section, Water Quality Division.

#### 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 review 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, along with the Executive Director's preliminary decision, as contained in the technical summary or fact sheet, to the Chief Clerk. 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 proceeding.

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.

Titan Production Equipment, LLC

Permit No. WQ0011975001

Statement of Basis/Technical Summary and Executive Director's Preliminary Decision

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 Kimberly Kendall, P.E. at (512) 239-4540.

*Kimberly Kendall*

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Kimberly Kendall, P.E.  
Municipal Permits Team  
Wastewater Permitting Section (MC 148)

January 28, 2025

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Date





# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: **Titan Production Equipment LLC**

PERMIT NUMBER (If new, leave blank): WQ00 1197501

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

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Original Photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Design Calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number \_\_\_\_\_ County \_\_\_\_\_  
Expiration Date \_\_\_\_\_ Region \_\_\_\_\_  
Permit Number \_\_\_\_\_



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION  
ADMINISTRATIVE REPORT 1.0**

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

**Section 1. Application Fees (Instructions Page 26)**

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input checked="" type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

**Payment Information:**

Mailed      Check/Money Order Number:  Click to enter text.  
Check/Money Order Amount:  Click to enter text.  
Name Printed on Check:  Click to enter text.  
EPAY      Voucher Number:  Click to enter text. 713640 and 713641  
Copy of Payment Voucher enclosed?      Yes ☒

**Section 2. Type of Application (Instructions Page 26)**

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

- ☐ Publicly-Owned Domestic Wastewater  
☒ Privately-Owned Domestic Wastewater  
☐ Conventional Wastewater Treatment

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

- ☒ Active      ☐ Inactive

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

- ☐ TPDES Permit  
☒ TLAP  
☐ TPDES Permit with TLAP component  
☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- |   |   |
|---|---|
| <input type="checkbox"/> New                                    |   |
| <input type="checkbox"/> Major Amendment <u>with</u> Renewal    | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal    |
| <input type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input checked="" type="checkbox"/> Renewal without changes     | <input type="checkbox"/> Minor Modification of permit           |

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 11975001

EPA I.D. (TPDES only): TX [Click to enter text.](#)

Expiration Date: 02/10/2025

### Section 3. Facility Owner (Applicant) and Co-Applcant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

Titan Production Equipment LLC

*(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)*

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: 605551720

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr

Last Name, First Name: Grimland, Mike

Title: Senior VP

Credential: [Click to enter text.](#)

B. **Co-applicant information.** Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

[Click to enter text.](#)

*(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)*

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at: <http://www15.tceq.texas.gov/crpub/>

CN: Click to enter text.

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Click to enter text.

### C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. Attachment A

## Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

- A. Prefix: Mr. Last Name, First Name: Grimland, Mike  
Title: Senior VP Credential: Click to enter text.  
Organization Name: Titan Production Equipment LLC  
Mailing Address: 2207 FM 949 City, State, Zip Code: Alleyton, TX, 78935  
Phone No.: 8326910725 E-mail Address: Mike.Grimland@titanpeq.com  
Check one or both: ☒ Administrative Contact ☐ Technical Contact
- B. Prefix: Mr. Last Name, First Name: Weishuhn, James  
Title: Environmental Consultant Credential: Professional Engineer  
Organization Name: Weishuhn Engineering Inc  
Mailing Address: PO Box 358 City, State, Zip Code: Columbus, TX, 78934  
Phone No.: 9797326997 E-mail Address: weishuhnengineering@gmail.com  
Check one or both: ☐ Administrative Contact ☒ Technical Contact

## Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

- A. Prefix: Mr Last Name, First Name: Grimland, Mike  
Title: Senior VP Credential: Click to enter text.  
Organization Name: Titan Production Equipment LLC  
Mailing Address: 2207 FM 949 City, State, Zip Code: Alleyton, TX, 78935  
Phone No.: 8326910725 E-mail Address: Mike.Grimland@titanpeq.com

B. Prefix: Mr Last Name, First Name: Weishuhn, James  
Title: Environmental Consultant Credential: Professional Engineer  
Organization Name: Weishuhn Engineering Inc  
Mailing Address: PO Box 358 City, State, Zip Code: Columbus, TX, 78934  
Phone No.: 9797326997 E-mail Address: weishuhnengineering@gmail.com

## Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to 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 (using form TCEQ-20029).

Prefix: Mr. Last Name, First Name: Grimland, Mike  
Title: Senior VP Credential: Click to enter text.  
Organization Name: Titan Production Equipment LLC  
Mailing Address: 2207 FM 949 City, State, Zip Code: Alleyton, TX, 78935  
Phone No.: 2816077101 E-mail Address: Click to enter text.

## Section 7. DMR/MER Contact Information (Instructions Page 27)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (DMR) (EPA 3320-1) or maintain Monthly Effluent Reports (MER).

Prefix: Mr Last Name, First Name: Drab, Michael  
Title: Operator Credential: WWTP Operator Class C  
Organization Name: Click to enter text.  
Mailing Address: PO Box 232 City, State, Zip Code: Industry, TX, 78944-0232  
Phone No.: 9798307989 E-mail Address: m\_drab@hotmail.com

## Section 8. Public Notice Information (Instructions Page 27)

### A. Individual Publishing the Notices

Prefix: Mrs. Last Name, First Name: Weishuhn, Barbara  
Title: Environmental Consultant Credential: Click to enter text.  
Organization Name: Weishuhn Engineering, Inc.  
Mailing Address: PO Box 358 City, State, Zip Code: Columbus, TX, 78934  
Phone No.: 9797326997 E-mail Address: weishuhnengineering@gmail.com

**B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package**

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☐ Regular Mail

**C. Contact permit to be listed in the Notices**

Prefix: Mr

Last Name, First Name: Grimland, Mike

Title: Senior VP

Credential: Click to enter text.

Organization Name: Titan Production Equipment LLC

Mailing Address: 2207 FM 949

City, State, Zip Code: Alleyton, TX, 78935

Phone No.: 2816077101

E-mail Address: Mike.Grimland@titanpeq.com

**D. Public Viewing Information**

*If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.*

Public building name: Nesbitt Memorial Library

Location within the building: Shelf to right of entry

Physical Address of Building: 529 Washington Street

City: Columbus

County: Colorado

Contact (Last Name, First Name): Susan Chandler

Phone No.: 9797323392 Ext.: Click to enter text.

**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.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are 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** Section 9 below.

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

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

#### F. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

**Attachment:** B

#### G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

**Attachment:** Not Applicable

## Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 100928696

Search the TCEQ's Central Registry at <http://www15.tceq.texas.gov/crpub/> to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

Titan PEQ Columbus (Alleyton Plant)

C. Owner of treatment facility: Titan Production Equipment LLC

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

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

Organization Name: Titan Production Equipment LLC

Mailing Address: 25700 Interstate 45 Ste 4019 City, State, Zip Code: The Woodlands, TX, 77386-1364

Phone No.: Click to enter text. E-mail Address: Click to enter text.

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

**Attachment:** Click to enter text.

E. Owner of effluent disposal site:

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: Titan Production Equipment LLC

Mailing Address: 25700 Interstate 45 Ste 4019 City, State, Zip Code: The Woodlands, TX, 77386-1364

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

**Attachment:** [Click to enter text.](#)

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant)::

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

**Attachment:** [Click to enter text.](#)

## Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☐

Yes

☐

No

If **no**, or a new permit application, please give an accurate description:

[Click to enter text.](#)

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☐

Yes

☐

No

If **no**, or a new or amendment permit application, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

[Click to enter text.](#)

City nearest the outfall(s): [Click to enter text.](#)

County in which the outfalls(s) is/are located: [Click to enter text.](#)

C. 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, provide copies of letters that show proof of contact and the approval letter upon receipt.

**Attachment:** [Click to enter text.](#)

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

## Section 11. TLAP Disposal Information (Instructions Page 32)

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

☒ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

[Click to enter text.](#)

- B. City nearest the disposal site: Alleyton

- C. County in which the disposal site is located: Colorado

- D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

Treated effluent will be pumped from the treatment plant to a proposed treated water effluent holding pond. A pump will convey the treated water from the treated water effluent holding pond to the irrigation field sprinkler heads.

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Pastureland to Coughatta Creek to San Bernard River

## Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

[Click to enter text.](#)

C. 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 formerly employed by the TCEQ who represented your company and was paid for service regarding the application: [Click to enter text.](#)

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

## Section 13. Attachments (Instructions Page 33)

Indicate which attachments are included with the Administrative Report. Check all that apply:

☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify: [Click to enter text.](#)

## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0011975001

Applicant: Titan Production Equipment LLC

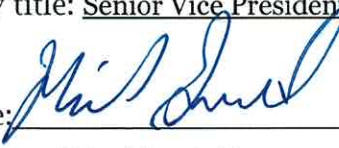
Certification:

I 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): Mike Grimland

Signatory title: Senior Vice President

Signature: 

Date: 7-18-24

(Use blue ink)

Subscribed and Sworn to before me by the said Mike Grimland

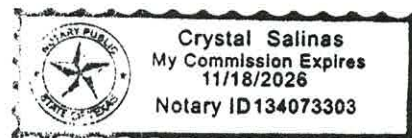
on this 18<sup>th</sup> day of July, 2024.

My commission expires on the 18<sup>th</sup> day of November, 2026.

  
Notary Public

[SEAL]

Montgomery, Texas  
County, Texas



# DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

## Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☒ 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 (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
  - ☒ The property boundaries of all landowners surrounding the effluent disposal site
  - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding 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 (for example, sludge surface disposal site or sludge monofill) is located
- B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark in which format the landowners list is submitted:
- ☐ USB Drive
  - ☒ Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses: Colorado 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):

Click to enter text.

## Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- ☒ 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

## Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- ☒ Ownership
- ☐ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

- ☐ Yes      ☐ No

# DOMESTIC 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:** [Click to enter text.](#)

# WATER QUALITY PERMIT

## PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- 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      **Waste Permit No:** [Click to enter text.](#)

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.

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

# ATTACHMENT 1

## INDIVIDUAL INFORMATION

### Section 1. Individual Information (Instructions Page 41)

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., Miss): [Click to enter text.](#)

Full legal name (Last Name, First Name, Middle Initial): [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 Number: [Click to enter text.](#) Fax Number: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

#### **For Commission Use Only:**

Customer Number:

Regulated Entity Number:

Permit Number:



# DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

Core Data Form (TCEQ Form No. 10400) ☒ Yes  
*(Required for all application 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 ☒ Yes  
*(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)*

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes  
*(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)*

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

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

Landowners Map ☐ N/A ☒ Yes  
*(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.

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

Landowners Labels or USB Drive attached ☐ N/A ☒ Yes  
*(See instructions for landowner requirements)*

Original signature per 30 TAC § 305.44 - Blue Ink Preferred ☒ Yes  
*(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 ☒ Yes



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

### Section 1. Permitted or Proposed Flows (Instructions Page 43)

#### A. Existing/Interim I Phase

Design Flow (MGD): 0.006

2-Hr Peak Flow (MGD): Not Applicable

Estimated construction start date: 06/1974

Estimated waste disposal start date: 06/1974

#### B. Interim II Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

#### C. Final Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

#### D. Current Operating Phase

Provide the startup date of the facility: 06/1974

### Section 2. Treatment Process (Instructions Page 43)

#### A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided.**

**Existing Phase is Extended aeration with surface application disposal including bar screens, equalization tank, aeration basin, final clarifier, digester, effluent holding pond, and spray irrigation.**

## B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) of each treatment unit, accounting for ***all*** phases of operation.

**Table 1.0(1) - Treatment Units**

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Bar Screen (existing)	2	5'x5'x4'
9,000 gal. Equalization tank (existing)	1	17'x12'x7.5'
Aeration Chamber (existing)	1	16'x10'x10'
Clarifier (existing)	1	6'x10'x10'
Sludge Digester (existing)	1	16'x10'x10'
Effluent Holding Pond (existing)	1	250'x90'x6'

## C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction.

Attachment: H

## Section 3. Site Information and Drawing (Instructions Page 44)

Provide the TPDES discharge outfall latitude and longitude. Enter N/A if not applicable.

- Latitude: N/A
- Longitude: N/A

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: 29.726477
- Longitude: -96.421076

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or

disposal site.

**Attachment: I**

Provide the name **and** a description of the area served by the treatment facility.

Titan PEO Columbus Facility (Alleyton Plant) employees.

Collection System Information **for wastewater TPDES permits only:** Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

#### Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
		Choose an item.	
		Choose an item.	
		Choose an item.	
		Choose an item.	

### Section 4. Unbuilt Phases (Instructions Page 45)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☐ Yes ☒ No

**If yes**, does the existing permit contain a phase that has not been constructed **within five years** of being authorized by the TCEQ?

☐ Yes ☐ No

**If yes**, provide a detailed discussion regarding the continued need for the unbuilt phase. **Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.**

Click to enter text.

### Section 5. Closure Plans (Instructions Page 45)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

☐ Yes ☒ No

If **yes**, was a closure plan submitted to the TCEQ?

☐ Yes ☒ No

If **yes**, provide a brief description of the closure and the date of plan approval.

Click to enter text.

## Section 6. Permit Specific Requirements (Instructions Page 45)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

### A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☒ Yes ☐ No

If **yes**, provide the date(s) of approval for each phase: February 25, 2020

Provide information, including dates, on any actions taken to meet a *requirement or provision* pertaining to the submission of a summary transmittal letter. **Provide a copy of an approval letter from the TCEQ, if applicable.**

A copy of the summary transmittal letter is included as Attachment J

### B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

The 150ft buffers from Property Lines and 500ft buffer from Public Water Supply wells are demonstrated in Attachment G.

### C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☒ Yes ☐ No

If **yes**, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

Land application soil analytical data is submitted to TCEQ Regional Office (MC Region 12) and Water Quality Compliance Monitoring Team (MC 224).

### D. Grit and grease treatment

#### 1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☒ No

If **No**, stop here and continue with Subsection E. Stormwater Management.

#### 2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

Click to enter text.

#### 3. Grit disposal

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☐ Yes ☒ No

If **No**, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

Click to enter text.

#### 4. *Grease and decanted liquid disposal*

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

Describe how the decant and grease are treated and disposed of after grit separation.

Click to enter text.

### E. Stormwater management

#### 1. *Applicability*

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☐ Yes ☒ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☐ Yes ☒ No

If **no to both of the above**, then skip to Subsection F, Other Wastes Received.

#### 2. *MSGP coverage*

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☐ Yes ☐ No

If **yes**, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

If **no**, do you intend to seek coverage under TXR050000?

☐ Yes ☐ No

#### 3. *Conditional exclusion*

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

☐ Yes ☐ No

If **yes**, please explain below then proceed to Subsection F, Other Wastes Received:

Click to enter text.

**4. Existing coverage in individual permit**

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☐ No

**If yes**, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

Click to enter text.

**5. Zero stormwater discharge**

Do you intend to have no discharge of stormwater via use of evaporation or other means?

☐ Yes ☐ No

**If yes**, explain below then skip to Subsection F. Other Wastes Received.

Click to enter text.

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

**6. Request for coverage in individual permit**

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☐ No

**If yes**, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.



Click to enter text.

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

#### F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.

Click to enter text.

#### G. Other wastes received including sludge from other WWTPs and septic waste

##### 1. Acceptance of sludge from other WWTPs

Does or will the facility accept sludge from other treatment plants at the facility site?

☐ Yes ☒ No

**If yes, attach sewage sludge solids management plan. See Example 5 of the instructions.**

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the sludge, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

##### 2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

**If yes, does the facility have a Type V processing unit?**

☐ Yes ☐ No

**If yes, does the unit have a Municipal Solid Waste permit?**

☐ Yes ☐ No

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the septic waste, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

**3. Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)**

Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?

☐ Yes ☒ No

If **yes**, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

Click to enter text.

## Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☒ Yes ☐ No

If **no**, this section is not applicable. Proceed to Section 8.

If **yes**, provide effluent analysis data for the listed pollutants. **Wastewater treatment facilities** complete Table 1.0(2). **Water treatment facilities** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

Note: The sample date must be within 1 year of application submission.

**Table 1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities**

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD <sub>5</sub> , mg/l	3.41	3.41	1	Grab	5/15/24 9:15am
Total Suspended Solids, mg/l	18.8	18.8	1	Grab	5/15/24 9:15am

Ammonia Nitrogen, mg/l	17	17	1	Grab	5/15/24 9:15am
Nitrate Nitrogen, mg/l	25.5	25.5	1	Grab	5/15/24 9:15am
Total Kjeldahl Nitrogen, mg/l	18	18	1	Grab	5/15/24 9:15am
Sulfate, mg/l	41.7	41.7	1	Grab	5/15/24 9:15am
Chloride, mg/l	84.2	84.2	1	Grab	5/15/24 9:15am
Total Phosphorus, mg/l	48.9	48.9	1	Grab	5/15/24 9:15am
pH, standard units	7.18	7.18	1	Grab	5/15/24 9:15am
Dissolved Oxygen*, mg/l	N/A	N/A	N/A	N/A	N/A
Chlorine Residual, mg/l	N/A	N/A	N/A	N/A	N/A
<i>E.coli</i> (CFU/100ml) freshwater	>2420	>2420	1	Grab	5/15/24 9:15am
Enterococci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	518	518	1	Grab	5/15/24 9:15am
Electrical Conductivity, µmohs/cm, †	1,090	1,090	1	Grab	5/15/24 9:15am
Oil & Grease, mg/l	<2.00	<2.00	1	Grab	5/15/24 9:15am
Alkalinity (CaCO <sub>3</sub> )*, mg/l	N/A	N/A	N/A	N/A	N/A

\*TPDES permits only

†TLAP permits only

**Table1.0(3) – Pollutant Analysis for Water Treatment Facilities**

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO <sub>3</sub> ), mg/l					

## Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Michael J. Drab

Facility Operator's License Classification and Level: WWOL WASTEWATER TREATMENT OPERATOR C

Facility Operator's License Number: WW0045397

## Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

### A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☐ Design flow  $\geq$  1 MGD
- ☐ Serves  $\geq$  10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☐ Biosolids generator
- ☐ Biosolids end user - land application (onsite)
- ☐ Biosolids end user - surface disposal (onsite)
- ☐ Biosolids end user - incinerator (onsite)

### B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage ( $< 2$  years)
- ☐ Long Term Storage ( $\geq 2$  years)

- ☐ Methane or Biogas Recovery
- ☒ Other Treatment Process: Waste Sludge Transport to another WWTP

### C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

#### Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Other	Off-site Third-Party Handler or Preparer	Bulk		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Transport to another WWTP

### D. Disposal site

Disposal site name: Aqua-Zyme Services, Inc.

TCEQ permit or registration number: MSW 2318 WQ 0011768001

County where disposal site is located: Matagorda

### E. Transportation method

Method of transportation (truck, train, pipe, other): truck

Name of the hauler: Aqua-Zyme Services, Inc.

Hauler registration number: 21480

Sludge is transported as a:

Liquid ☒ semi-liquid ☐ semi-solid ☐ solid ☐

## Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

### A. Beneficial use authorization

Does the existing permit include authorization for land application of sewage sludge for beneficial use?

☐ Yes ☒ No

If **yes**, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

☐ Yes ☐ No

If **yes**, is the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)** attached to this permit application (see the instructions for details)?

☐ Yes ☐ No

## B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

Sludge Composting	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Marketing and Distribution of sludge	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

If **yes** to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)** attached to this permit application?

☐ Yes ☐ No

## Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

If yes, complete the remainder of this section. If no, proceed to Section 12.

### A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:  
**Attachment:** [Click to enter text.](#)
- USDA Natural Resources Conservation Service Soil Map:  
**Attachment:** [Click to enter text.](#)
- Federal Emergency Management Map:  
**Attachment:** [Click to enter text.](#)
- Site map:  
**Attachment:** [Click to enter text.](#)

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification

- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

**Attachment:** [Click to enter text.](#)

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

[Click to enter text.](#)

## B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0*.

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [Click to enter text.](#)

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

Arsenic: [Click to enter text.](#)

Cadmium: [Click to enter text.](#)

Chromium: [Click to enter text.](#)

Copper: [Click to enter text.](#)

Lead: [Click to enter text.](#)

Mercury: [Click to enter text.](#)

Molybdenum: [Click to enter text.](#)

Nickel: [Click to enter text.](#)

Selenium: [Click to enter text.](#)

Zinc: [Click to enter text.](#)

Total PCBs: [Click to enter text.](#)

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [Click to enter text.](#)

Total dry tons stored in the lagoons(s) per 365-day period: [Click to enter text.](#)

Total dry tons stored in the lagoons(s) over the life of the unit: [Click to enter text.](#)

### C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of  $1 \times 10^{-7}$  cm/sec?

☐ Yes ☐ No

If yes, describe the liner below. Please note that a liner is required.

[Click to enter text.](#)

### D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

[Click to enter text.](#)

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)  
**Attachment:** [Click to enter text.](#)
- Copy of the closure plan  
**Attachment:** [Click to enter text.](#)
- Copy of deed recordation for the site  
**Attachment:** [Click to enter text.](#)
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons  
**Attachment:** [Click to enter text.](#)
- Description of the method of controlling infiltration of groundwater and surface water from entering the site  
**Attachment:** [Click to enter text.](#)
- Procedures to prevent the occurrence of nuisance conditions  
**Attachment:** [Click to enter text.](#)

### E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☐ No



If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: [Click to enter text.](#)

## Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

### A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☐ Yes ☒ No

If **yes**, provide the TCEQ authorization number and description of the authorization:

[Click to enter text.](#)

### B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If **yes** to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

[Click to enter text.](#)

## Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

### A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

☐ Yes ☒ No

**B. Remediation activity wastewater**

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

☐ Yes ☒ No

**C. Details about wastes received**

If **yes** to either Subsection A or B above, provide detailed information concerning these wastes with the application.

**Attachment:** [Click to enter text.](#)

## Section 14. Laboratory Accreditation (Instructions Page 56)

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: Mike Grimland

Title: Senior Vice President.

Signature: 

Date: 7-18-24

# DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

The following is required for renewal, new, and amendment permit applications.

## Section 1. Type of Disposal System (Instructions Page 68)

Identify the method of land disposal:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Surface application                                   | <input type="checkbox"/> Subsurface application                |
| <input type="checkbox"/> Irrigation   | <input type="checkbox"/> Subsurface soils absorption           |
| <input type="checkbox"/> Drip irrigation system   | <input type="checkbox"/> Subsurface area drip dispersal system |
| <input type="checkbox"/> Evaporation  | <input type="checkbox"/> Evapotranspiration beds               |
| <input type="checkbox"/> Other (describe in detail): <a href="#">Click to enter text.</a> |  |

NOTE: All applicants without authorization or proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0.

For existing authorizations, provide Registration Number: WQ0011975001

## Section 2. Land Application Site(s) (Instructions Page 68)

In table 3.0(1), provide the requested information for the land application sites. Include the agricultural or cover crop type (wheat, cotton, alfalfa, bermuda grass, native grasses, etc.), land use (golf course, hayland, pastureland, park, row crop, etc.), irrigation area, amount of effluent applied, and whether or not the public has access to the area. Specify the amount of land area and the amount of effluent that will be allotted to each agricultural or cover crop, if more than one crop will be used.

**Table 3.0(1) – Land Application Site Crops**

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
Native Grass Pastureland(Mar.-Oct.)	10	6,000	N
Rye Grass Pastureland(Nov.-Feb.)	10	6,000	N

### Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 68)

**Table 3.0(2) – Storage and Evaporation Ponds**

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
NA	0.35	1.76	250'x90'x6'	HDPE Liner

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond.

**Attachment:** L

### Section 4. Flood and Runoff Protection (Instructions Page 68)

Is the land application site within the 100-year frequency flood level?

☐ Yes ☒ No

If **yes**, describe how the site will be protected from inundation.

Click to enter text.

Provide the source used to determine the 100-year frequency flood level:

FEMA Firmette 48089C0300D; Attachment M

Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

Run-on and run-off control berms are installed and in-use in the application area.

## Section 5. Annual Cropping Plan (Instructions Page 68)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment:** N

- Soils map with crops
- Cool and warm season plant species
- Crop yield goals
- Crop growing season
- Crop nutrient requirements
- Additional fertilizer requirements
- Minimum/maximum harvest height (for grass crops)
- Supplemental watering requirements
- Crop salt tolerances
- Harvesting method/number of harvests
- Justification for not removing existing vegetation to be irrigated

## Section 6. Well and Map Information (Instructions Page 69)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment:** Q

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones
- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

List and cross reference all water wells located within a half-mile radius of the disposal site or property boundaries shown on the USGS map in the following table. Attach additional pages as necessary to include all of the wells.

**Table 3.0(3) – Water Well Data**

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
7810	Withdrawal of Water	N	Capped and Plugged	Not Applicable
47906	Domestic	Y	Cased	Buffer Zone
60971	Withdrawal of Water	N	Capped and Plugged	Not Applicable
63837	Domestic	Y	cased	Buffer Zone
111234	Domestic	Y	cased	Buffer Zone

<b>Well ID</b>	<b>Well Use</b>	<b>Producing? Y/N</b>	<b>Open, cased, capped, or plugged?</b>	<b>Proposed Best Management Practice</b>
155934	Industrial	N	Capped and Plugged	Not Applicable
188053	Domestic	N	Capped and Plugged	Not Applicable
189991	Domestic	Y	Cased	Buffer Zone
193067	Livestock	Y	cased	Buffer Zone
203187	Irrigation	Y	cased	Buffer Zone
203487	Domestic	N	Capped and Plugged	Not Applicable
208337	Domestic	Y	cased	Buffer Zone
211047	Rig Supply	Y	cased	Buffer Zone
239958	Domestic	Y	cased	Buffer Zone
281129	Industrial	Y	cased	Buffer Zone
301093	Domestic	Y	cased	Buffer Zone
312943	Domestic	Y	cased	Buffer Zone
313265	Domestic	Y	cased	Buffer Zone
332504	Domestic	Y	cased	Buffer Zone
333644	Domestic	Y	cased	Buffer Zone
346127	Industrial	Y	cased	Buffer Zone
347746	Domestic	Y	cased	Buffer Zone
397419	Domestic	Y	cased	Buffer Zone
415906	Industrial	Y	cased	Buffer Zone
438524	Domestic	Y	cased	Buffer Zone
514922	Domestic	Y	Cased	Buffer Zone
552585	Domestic	Y	Cased	Buffer Zone
557158	Domestic	Y	Cased	Buffer Zone
557159	Domestic	Y	Cased	Buffer Zone

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
557163	Domestic	Y	Cased	Buffer Zone
576049	Domestic	Y	Cased	Buffer Zone
577708	Domestic	Y	Cased	Buffer Zone
6621206	Public Supply	Y	Cased	Buffer Zone
6621207	Public Supply	Y	Cased	Buffer Zone
6621301	Aquaculture	Y	Cased	Buffer Zone
6621302	Livestock	Y	Cased	Buffer Zone
6621304	Industrial	N	Capped and Plugged	Not Applicable
6621305	Industrial	Y	Cased	Buffer Zone

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

**Attachment:** Q

## Section 7. Groundwater Quality (Instructions Page 69)

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

**Attachment:** P

Are groundwater monitoring wells available onsite? ☐ Yes ☒ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☒ No

If yes, provide the proposed location of the monitoring wells or lysimeters on a site map.

**Attachment:** [Click to enter text.](#)

## Section 8. Soil Map and Soil Analyses (Instructions Page 70)

### A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

**Attachment:** Q

### B. Soil analyses

Attach the laboratory results sheets from the soil analyses. **Note:** for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.



**Attachment: Q**

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

**Table 3.0(4) – Soil Data**

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
MkB - Mockley fine sandy loam	0-15"	0.2 to 0.57 in/hr	~8.7"	71
WyA Wockley fine sandy loam	0-6"	0.06 to 0.2 in/hr	~9.6"	71

## Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☒ Yes ☐ No

If no, this section is not applicable and the worksheet is complete.

If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

**Table 3.0(5) – Effluent Monitoring Data**

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
June 2022	0.0017	11	N/A	7.82	N/A	2
July 2022	0.0020	7	N/A	7.90	N/A	2
August 2022	0.0027	3	N/A	7.76	N/A	2
September 2022	0.0021	3	N/A	8.00	N/A	2
October 2022	0.0018	9	N/A	7.96	N/A	2
November 2022	0.0023	12	N/A	7.70	N/A	2
December 2022	0.0017	73	N/A	7.64	N/A	2
January 2023	0.0012	71	N/A	7.72	N/A	2
February 2023	0.0030	14	N/A	7.76	N/A	2
March 2023	0.0016	20	N/A	8.04	N/A	2

<b>Date</b>	<b>30 Day Avg Flow MGD</b>	<b>BOD5 mg/l</b>	<b>TSS mg/l</b>	<b>pH</b>	<b>Chlorine Residual mg/l</b>	<b>Acres irrigated</b>
April 2023	0.0022	9	N/A	7.98	N/A	2
May 2023	0.0030	8	N/A	7.50	N/A	2
June 2023	0.0034	11	N/A	8.10	N/A	2
July 2023	0.0016	20	N/A	7.69	N/A	2
August 2023	0.0039	16	N/A	7.80	N/A	2
September 2023	0.0028	62	N/A	7.84	N/A	2
October 2023	0.0020	18	N/A	7.70	N/A	2
November 2023	0.0027	87	N/A	7.81	N/A	2
December 2023	0.0022	150	N/A	7.92	N/A	2
January 2024	0.0008	29	N/A	8.18	N/A	2
February 2024	0.0029	21	N/A	7.90	N/A	2
March 2024	0.0020	21	N/A	7.83	N/A	2
April 2024	0.0002	23	N/A	7.80	N/A	2
May 2024	0.0026	5	N/A	7.91	N/A	2

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

No corrective actions taken. The treatment plant corrected itself as shown in the data.

**ATTACHMENT A: Core Data Form**

**ATTACHMENT B: Plain Language Summary**

**ATTACHMENT C: Original USGS Map**

**ATTACHMENT D: Affected Landowners Map**

**ATTACHMENT E: Landowner Disk or Labels**

**ATTACHMENT F: Photo Location Map & Original Photographs**

**ATTACHMENT G: Buffer Zone Map**

**ATTACHMENT H: Process Flow Diagram**

**ATTACHMENT I: Site Drawing**

**ATTACHMENT J: Summary Transmittal of Design**

**ATTACHMENT K: Existing Treatment Plant Effluent  
Laboratory Analytical Reports**

**ATTACHMENT L: Liner Certification**

**ATTACHMENT M: FEMA Firmette Flood Map**

**ATTACHMENT N: Annual Cropping Plan**

**ATTACHMENT O: Well Location Map/Well Information**

**ATTACHMENT P: Groundwater Quality Assessment**

**ATTACHMENT Q: Soil Map and Soil Analysis**

**ATTACHMENT R: Permit Application Voucher**

**ATTACHMENT A**

**Core Data Form**



# TCEQ Core Data Form

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

## SECTION I: General Information

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 605551720		RN 100928696

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>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).</i>					
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Titan Production Equipment LLC					
<b>7. TX SOS/CPA Filing Number</b>		<b>8. TX State Tax ID</b> (11 digits)		<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)
803031946		32067353212		206735321	
<b>11. Type of Customer:</b>		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
<b>12. Number of Employees</b>				<b>13. Independently Owned and Operated?</b>	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input checked="" type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
<b>15. Mailing Address:</b>		2207 FM 949			
City		Alleyton		State	TX
ZIP		78935		ZIP + 4	
<b>16. Country Mailing Information</b> (if outside USA)				<b>17. E-Mail Address</b> (if applicable)	
				info@titanpeq.com	
<b>18. Telephone Number</b>		<b>19. Extension or Code</b>		<b>20. Fax Number</b> (if applicable)	

### 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.)

Titan Production Equipment LLC

#### 23. Street Address of the Regulated Entity:

(No PO Boxes)

2207 FM 949

City

Alleyton

State

TX

ZIP

78935

ZIP + 4

#### 24. County

Colorado

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

#### 25. Description to Physical Location:

#### 26. Nearest City

State

Nearest ZIP Code

Alleyton

TX

78935

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

#### 27. Latitude (N) In Decimal:

29.728071

#### 28. Longitude (W) In Decimal:

-96.421140

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

29

43

41.055

-96

25

16.1034

#### 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)

3523

333132

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

Oil and Gas Production Machinery Manufacturing

#### 34. Mailing Address:

2207 FM 949

City

Alleyton

State

TX

ZIP

78935

ZIP + 4

#### 35. E-Mail Address:

info@titanpeq.com

#### 36. Telephone Number

#### 37. Extension or Code

#### 38. Fax Number (if applicable)

( 281 ) 607-7004

( ) -

**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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

#### **SECTION IV: Preparer Information**

<b>40. Name:</b>	James W. Weishuhn		<b>41. Title:</b>	Professional Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>	
( 979 ) 732-6997		( ) -	weishuhnengineering@gmail.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.

<b>Company:</b>	Weishuhn Engineering, Inc.		<b>Job Title:</b>	Professional Engineer	
<b>Name (In Print):</b>	James W. Weishuhn			<b>Phone:</b>	( 979 ) 732- 6997
<b>Signature:</b>				<b>Date:</b>	6-25-24



F-666

**ATTACHMENT B**

**Plain Language Summary**





## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

### PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

Titan Production Equipment LLC (CN605551720) operates Titan PEQ Columbus (Alleyton Plant) (RN100928696), an Oil and Gas Production Machinery Manufacturing facility. The facility is located at 2207 Farm-to-Market Road 949, in Alleyton, Colorado County, Texas 78935. This application is for permit renewal without changes. *<<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 BOD, suspended solids, ammonia, sulfate, nitrate, chloride, phosphorous, pH, E. Coli, and Dissolved solids. Domestic Wastewater is treated by Extended aeration with surface application disposal including bar screens, equalization tank, aeration basin, final clarifier, digester, effluent holding pond, and spray irrigation.

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

### AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

Titan Production Equipment LLC (CN605551720) opera Titan PEQ Columbus (Alleyton Plant) RN100928696, una Planta de Fabricación de maquinaria de producción de petróleo y gas. La instalación está ubicada en 2207 Farm-to-Market Road 949, en Alleyton, Condado de Colorado, Texas 78935. Esta solicitud es para la renovación del permiso sin cambios. <<Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:>> Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan DBO, sólidos en suspensión, amoníaco, sulfato, nitrato, cloruro, fósforo, pH, E. coli y sólidos disueltos. Aguas residuales domesticos. está tratado por Aireación extendida con eliminación de aplicaciones superficiales que incluye pantallas de barras, tanque de ecualización, cuenca de aireación, clarificador final, digestor, estanque de retención de efluentes y riego por aspersión.

## INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

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](mailto:WQ-ARPTeam@tceq.texas.gov) or by phone at (512) 239-4671.

## Example

### Individual Industrial Wastewater Application

*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 are not federal enforceable representations of the permit application.*

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as “previously monitored effluents” (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

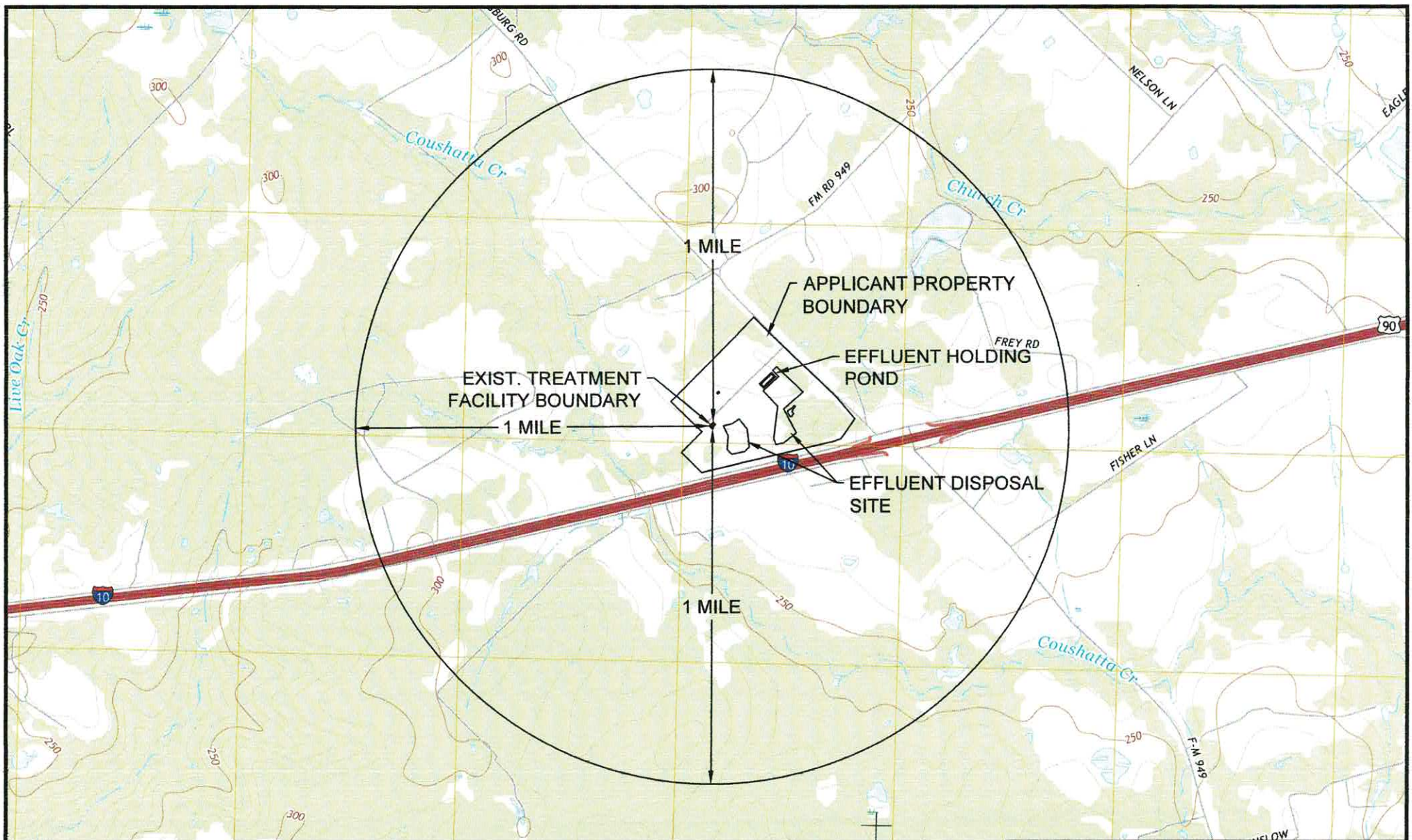
Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility’s potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

**ATTACHMENT C**

**Original USGS Map**





★  
MN  
GN  
1° 16' 23 MILS  
3° 20' 59 MILS

UTM GRID AND 2016 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET



ATTACHMENT C  
USGS MAP  
TITAN PRODUCTION EQUIPMENT LLC  
ALLEYTON, TX  
COLORADO COUNTY

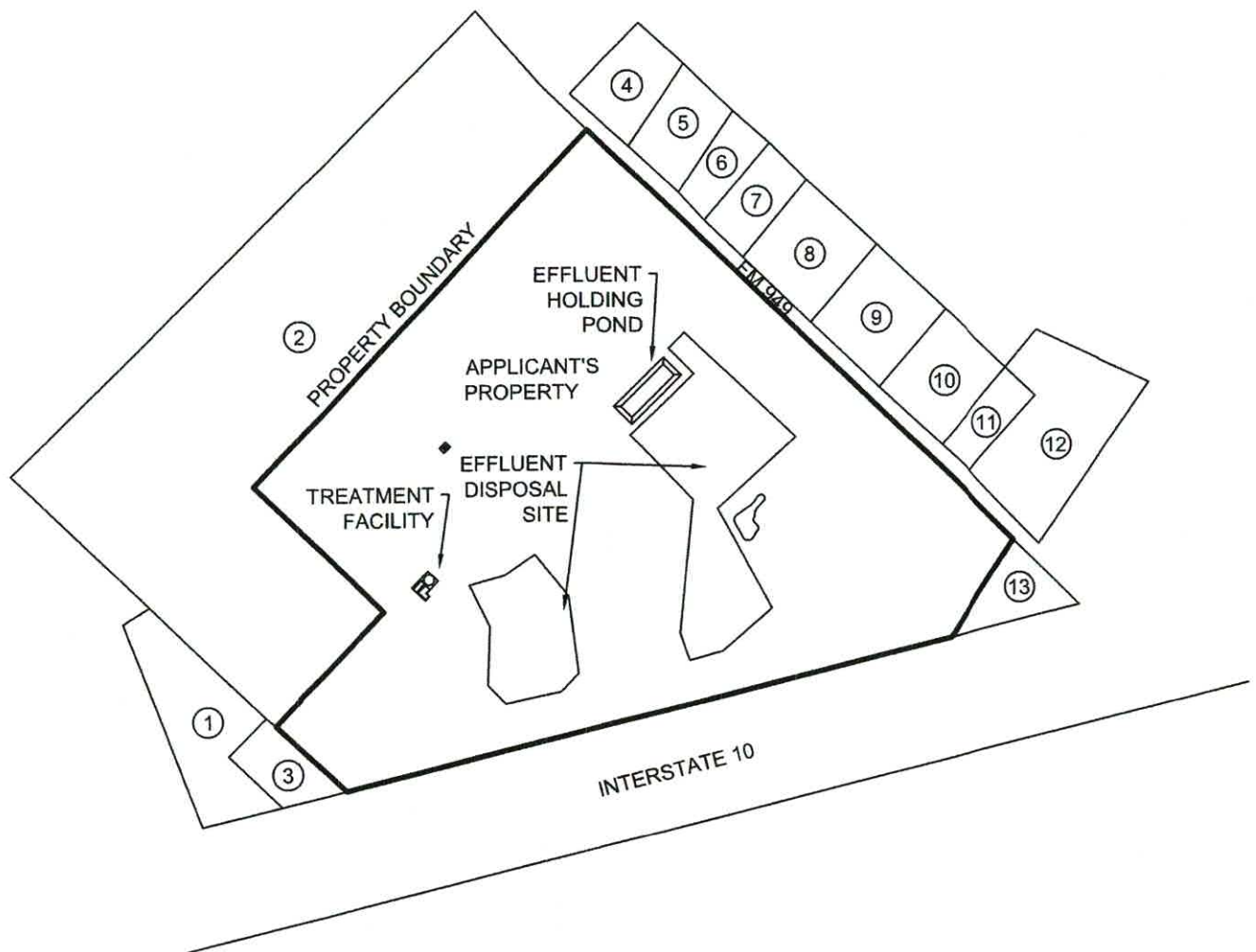
Weishuhn Engineering Inc.  
1008 Live Oak St, P.O. BOX 358  
Columbus, Texas 78934  
(979) 732-6997-PHONE  
F-66

SCALE: 1"=2,000'

DATE: 6/1/24

SHEET of

**ATTACHMENT D**  
**Affected Landowners Map**



**NOTES:**

1. ALL BUFFER ZONES ARE WITHIN APPLICANT'S PROPERTY LIMITS.



**ATTACHMENT D  
AFFECTED LANDOWNERS MAP  
TITAN PRODUCTION EQUIPMENT LLC  
ALLEYTON, TX  
COLORADO COUNTY**

Weishuhn Engineering Inc.  
1008 Live Oak St., P.O. BOX 358  
Columbus, Texas 78934  
(979) 732-6997-PHONE  
F-66

SCALE: N.T.S.

DATE: 6/1/24

SHEET of



TITAN PEQ  
Attachment D  
List of Landowners

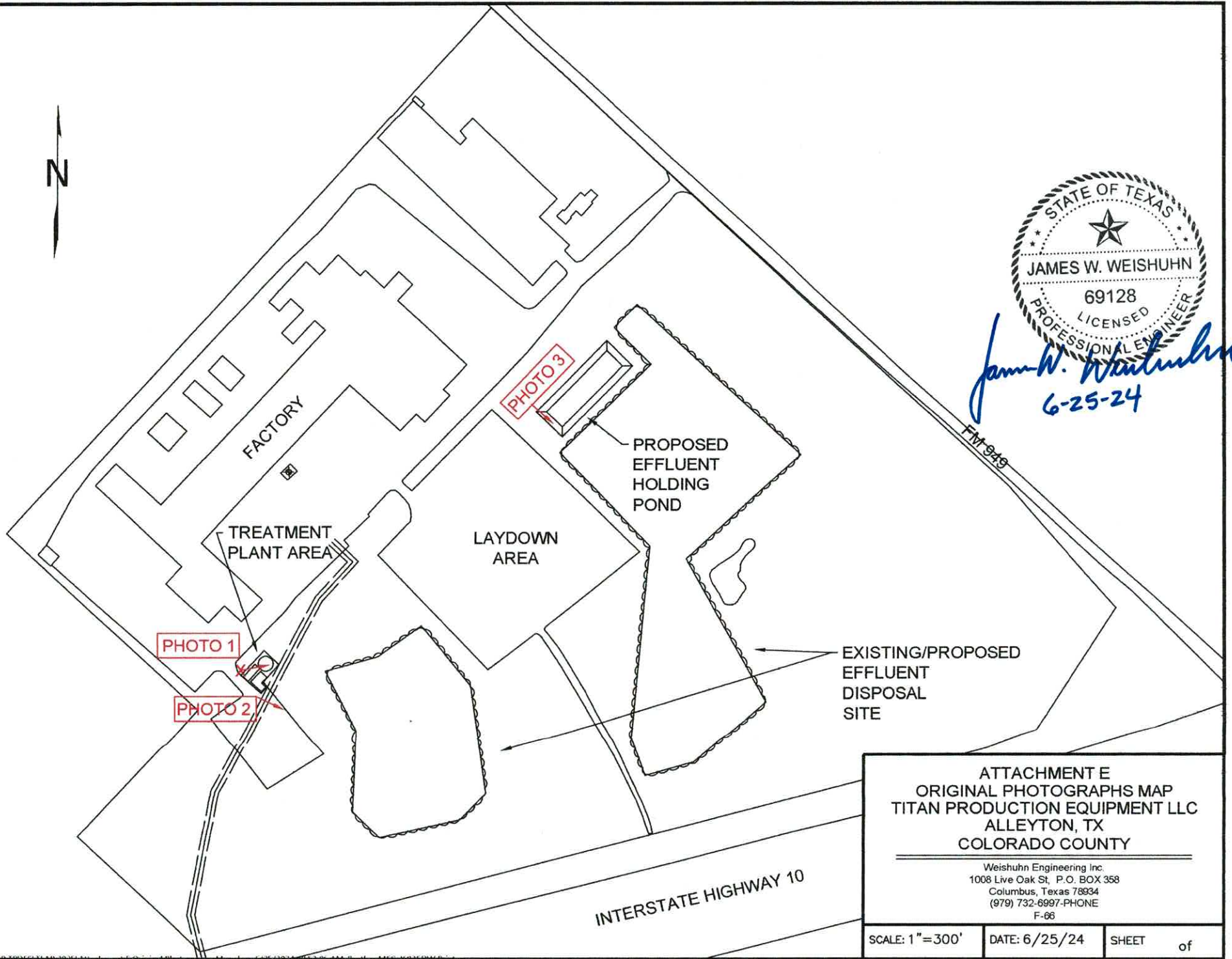
1. DAVID AND BEVERLY PILSNER  
4993 HWY 90  
ALLEYTON, TX 78935
2. MARIE ELESE HAWKINS  
C/O FRANK AND JUNE PILSNER  
9610 PLUM RIDGE DR  
HOUSTON, TX 77064-7620
3. MARIE ELESE HAWKINS  
C/O JUNE PILSNER  
9610 PLUM RIDGE DR  
HOUSTON, TX 77064-7620
4. AMY CATLETT  
2234 FM 949  
ALLEYTON TX 78935
5. CARL & PAMELLA SCHUKNECHT  
2224 FM 949  
ALLEYTON, TX 78935
6. CONSTANCE ANN LATTIMORE  
2214 FM 949  
ALLEYTON, TX 78935
7. SANDRA GAIL WIED  
C/O AUGUST H & DOLORES EST JONES  
2208 FM 949  
ALLEYTON, TX 78935
8. ANTHONY R & TAMALYN K NEUENDORFF  
2198 FM 949  
ALLEYTON, TX 78935-2032
9. RICHARD & KATIE PAGEL  
7303 EAST COUNTY ROAD 93  
MIDLAND, TX 79706
10. PEGGY RODGERS  
2356 HIGHWAY 71  
COLUMBUS, TX 78934-3410
11. EVELYN ORANGE  
2160 FM 949  
ALLEYTON, TX 78935
12. EVELYN ORANGE  
2160 FM 949  
ALLEYTON, TX 78935
13. JOHN WILLIAM SCHINDLER  
903 OLD LAKE ROAD  
HOUSTON, TX 77057

**ATTACHMENT E**

**Landowner Disk or Labels**

**ATTACHMENT F**

**Photo Location Map & Original Photographs**



*James W. Weishuhn*  
6-25-24

ATTACHMENT E  
ORIGINAL PHOTOGRAPHS MAP  
TITAN PRODUCTION EQUIPMENT LLC  
ALLEYTON, TX  
COLORADO COUNTY

Weishuhn Engineering Inc.  
1008 Live Oak St. P.O. BOX 358  
Columbus, Texas 76934  
(979) 732-6997-PHONE  
F-66

SCALE: 1"=300'

DATE: 6/25/24

SHEET of



Photo 1 Treated Wastewater Tank to be Reused; Effluent Disposal Area in background; Facing East



Photo 2 Effluent Disposal Area; Facing Southeast





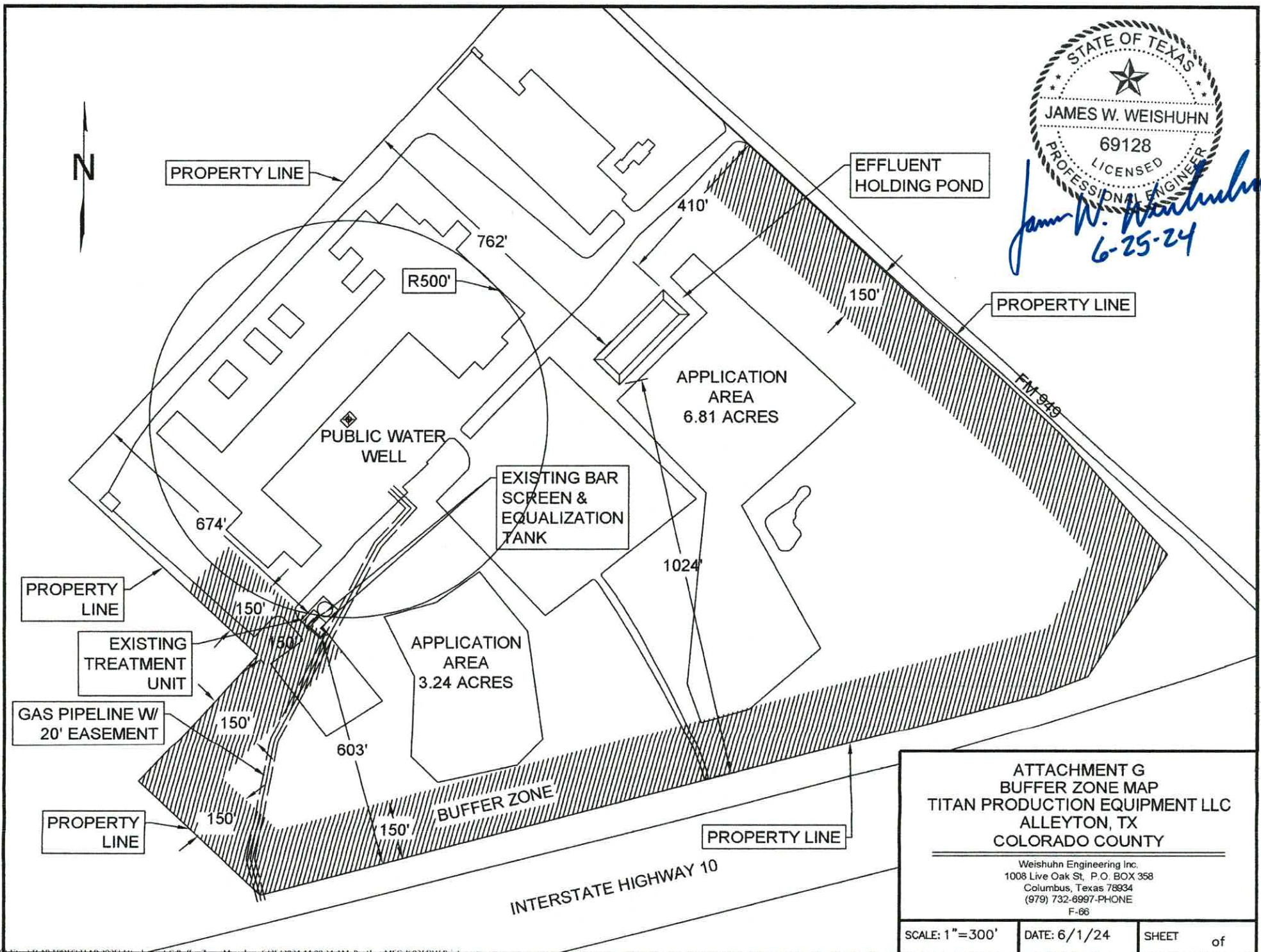
Photo 3 Effluent holding pond; Effluent disposal field  
in background; Facing South

**ATTACHMENT G**

**Buffer Zone Map**



*James W. Weishuhn*  
6-25-24



**ATTACHMENT G  
BUFFER ZONE MAP  
TITAN PRODUCTION EQUIPMENT LLC  
ALLEYTON, TX  
COLORADO COUNTY**

Weishuhn Engineering Inc.  
1008 Live Oak St. P.O. BOX 358  
Columbus, Texas 78934  
(979) 732-6997-PHONE  
F-66

SCALE: 1"=300'

DATE: 6/1/24

SHEET of

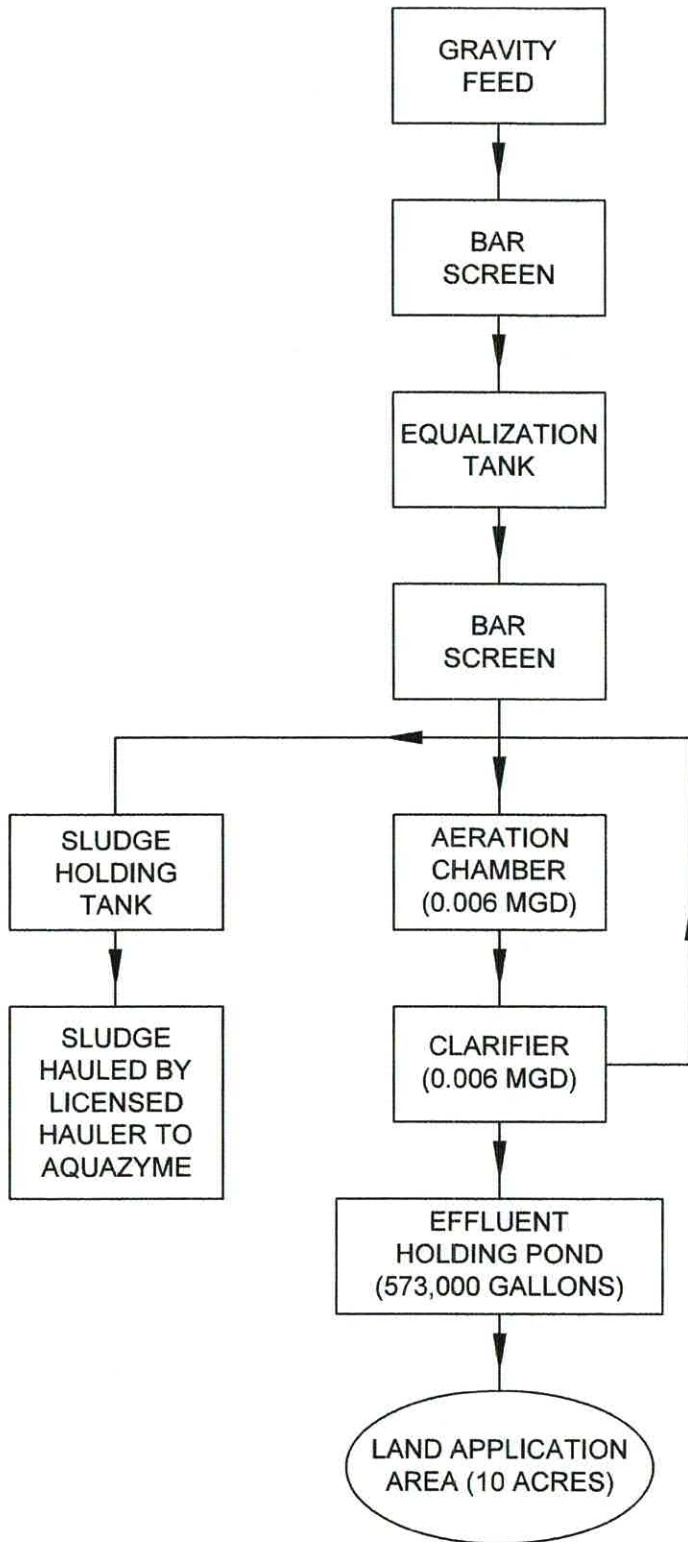


**ATTACHMENT H**

**Process Flow Diagram**

LEGEND:

EXISTING



*James W. Weishuhn*  
6-25-24

ATTACHMENT H  
FLOW DIAGRAM  
TITAN PRODUCTION EQUIPMENT LLC  
ALLEYTON, TX  
COLORADO COUNTY

Weishuhn Engineering Inc.  
1008 Live Oak St, P.O. BOX 358  
Columbus, Texas 78934  
(979) 732-6997-PHONE  
F-66

SCALE: N.T.S.

DATE: 6/1/24

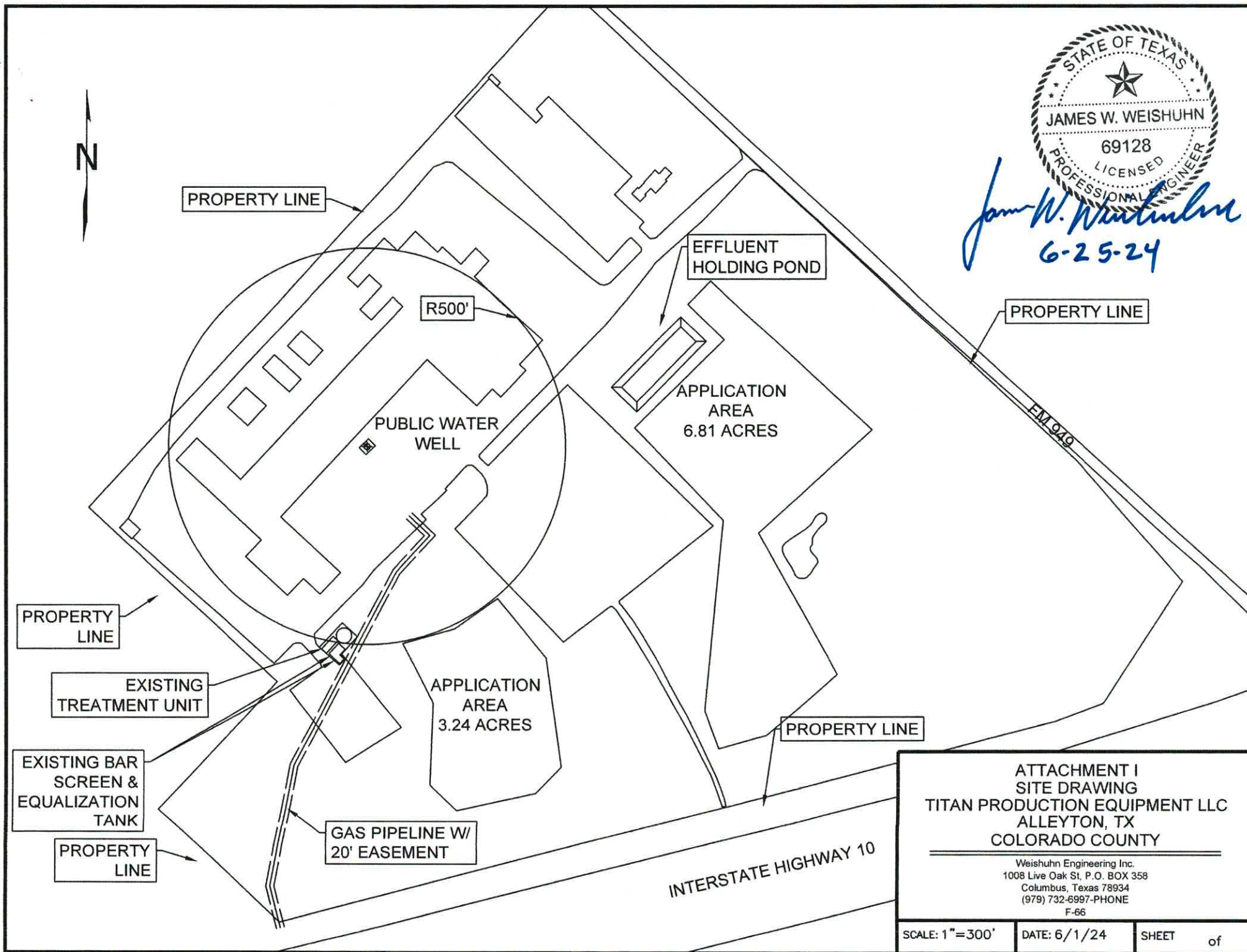
SHEET of

**ATTACHMENT I**

**Site Drawing**



*James W. Weishuhn*  
6-25-24



**ATTACHMENT I  
SITE DRAWING  
TITAN PRODUCTION EQUIPMENT LLC  
ALLEYTON, TX  
COLORADO COUNTY**

Weishuhn Engineering Inc.  
1008 Live Oak St, P.O. BOX 358  
Columbus, Texas 78934  
(979) 732-6997-PHONE  
F-66

SCALE: 1"=300'

DATE: 6/1/24

SHEET of

**ATTACHMENT J**

**Summary Transmittal of Design**

Jon Niermann, *Chairman*  
Emily Lindley, *Commissioner*  
Bobby Janecka, *Commissioner*  
Toby Baker, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

February 25, 2020

James W. Weishuhn, P.E.  
WEISHUHN ENGINEERING INC  
425 Spring Street, Suite 102  
Columbus, TX 78934

Re: Titan Production Equipment LLC  
6000 GPD Sanitary Sewage WWTP  
Permit No. WQ001 1975-001  
WWPR Log No. 0220/083  
CN605551720, RN100928696  
Colorado County

Dear Mr. Weishuhn:

TCEQ received the project summary transmittal letter dated 2/18/2020.

The rules which regulate the design, installation and testing of domestic wastewater projects are found in 30 TAC, Chapter 217, of the Texas Commission on Environmental Quality (TCEQ) rules titled, Design Criteria for Wastewater Systems.

Section 217.6(e), relating to case-by-case reviews, states in part that upon submittal of a summary transmittal letter, the executive director may approve of the project without reviewing a complete set of plans and specifications.

Under the authority of §217.6(e) a technical review of complete plans and specifications is not required. **However, the project proposed in the summary transmittal letter is approved for construction. Please note, that this conditional approval does not relieve the applicant of any responsibilities to obtain all other necessary permits or authorizations, such as wastewater treatment permit or other authorization as required by Chapter 26 of the Texas Water Code.** Below are provisions of the Chapter 217 regulations, which must be met as a condition of approval. These items are provided as a reminder. If you have already met these requirements, please disregard this additional notice.

- You must keep certain materials on file for the life of the project and provide them to TCEQ upon request. These materials include an engineering report, test results, a summary transmittal letter, and the final version of the project plans and specifications. These materials shall be prepared and sealed by a Professional Engineer licensed in the State of Texas and must show substantial compliance with Chapter 217. All plans and specifications must conform to any waste discharge requirements authorized in a permit by the TCEQ. Certain specific items which shall be addressed in the engineering report are discussed in §217.10. Additionally, the engineering report must include all constants, graphs, equations, and calculations needed to show substantial compliance with Chapter 217.



James W. Weishuhn, P.E.

Page 2

February 25, 2020

- Any variance from a Chapter 217 requirement disclosed in your summary transmittal letter is approved. If in the future, additional variances from the Chapter 217 requirements are desired for the project, each variance must be requested in writing by the design engineer. Then, the TCEQ will consider granting a written approval to the variance from the rules for the specific project and the specific circumstances.
- Within 60 days of the completion of construction, an appointed engineer shall notify both the Wastewater Permits Section of the TCEQ and the appropriate Region Office of the date of completion. The engineer shall also provide written certification that all construction, materials, and equipment were substantially in accordance with the approved project, the rules of the TCEQ, and any change orders filed with the TCEQ. All notifications, certifications, and change orders must include the signed and dated seal of a Professional Engineer licensed in the State of Texas.

This approval does not mean that future projects will be approved without a complete plans and specifications review. The TCEQ will provide a notification of intent to review whenever a project is to undergo a complete plans and specifications review. Please be reminded of 30 TAC §217.7(a) of the rules which states; "Approval given by the executive director or other authorized review authority does not relieve an owner of any liability or responsibility with respect to designing, constructing, or operating a collection system or treatment facility in accordance with applicable commission rules and the associated wastewater permit".

If you have any questions, or if we can be of any further assistance, please call me at (512) 239-1372.

Sincerely,



Paul A. Brochi, P.E.

Wastewater Permits Section (MC 148)

Water Quality Division

Texas Commission on Environmental Quality

PAB/tc

**ATTACHMENT K**

**Existing Treatment Plant Effluent Laboratory Analytical Reports**





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10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

May 31, 2024

James Weishuhn  
Weishuhn Engineering, Inc.  
P.O. Box 358  
425 Spring Street Suite 102  
Columbus, TX 78934

Work Order: **HS24050830**

Laboratory Results for: **Titan**

Dear James Weishuhn,

ALS Environmental received 1 sample(s) on May 15, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: DAYNA.FISHER

Anna Kinchen  
Project Manager

**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**Work Order:** HS24050830

**SAMPLE SUMMARY**

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24050830-01	Permit Renewal	Water		15-May-2024 09:15	15-May-2024 11:25	<input type="checkbox"/>

**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**Work Order:** HS24050830

**CASE NARRATIVE**

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**Work Order Comments**

- The analysis for E.coli was subcontracted to Envirodyne Laboratories, Inc. in Houston, TX. Final report attached.

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**WetChemistry by Method SM4500 NH3-B-F****Batch ID: 212603**

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

---

**WetChemistry by Method E300****Batch ID: R466957**

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

**Batch ID: R466841****Sample ID: HS24050823-01MSD**

- MS and MSD are for an unrelated sample (Chloride)

---

**WetChemistry by Method E160.1****Batch ID: R467068**

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

---

**WetChemistry by Method E120.1****Batch ID: R467921**

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

---

**WetChemistry by Method E1664A****Batch ID: R467328**

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

---

**WetChemistry by Method E160.2****Batch ID: R467050**

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

---

**WetChemistry by Method E365.3****Batch ID: 212801**

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

---

**WetChemistry by Method M4500 NH3 D****Batch ID: 212376**

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

---

**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**Work Order:** HS24050830

---

**CASE NARRATIVE**

---

**WetChemistry by Method SM5210 B**

**Batch ID: 212074**

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

Client: Weishuhn Engineering, Inc.  
 Project: Titan  
 Sample ID: Permit Renewal  
 Collection Date: 15-May-2024 09:15

**ANALYTICAL REPORT**

WorkOrder:HS24050830  
 Lab ID:HS24050830-01  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>SPECIFIC CONDUCTANCE BY E120.1, 1982</b>		<b>Method:E120.1</b>		Analyst: CD		
Specific Conductance	1,090		5.00	umhos/cm	1	29-May-2024 13:40
<b>TOTAL DISSOLVED SOLIDS BY EPA 160.1</b>		<b>Method:E160.1</b>		Analyst: MH		
Total Dissolved Solids (Residue, Filterable)	518	a	10.0	mg/L	1	16-May-2024 12:00
<b>TOTAL SUSPENDED SOLIDS BY EPA 160.2</b>		<b>Method:E160.2</b>		Analyst: MH		
Suspended Solids (Residue, Non-Filterable)	18.8	a	2.50	mg/L	1	17-May-2024 11:00
<b>OIL &amp; GREASE (HEM) BY E1664A</b>		<b>Method:E1664A</b>		Analyst: MC		
Oil and Grease	ND		2.00	mg/L	1	22-May-2024 07:00
<b>ANIONS BY E300.0, REV 2.1, 1993</b>		<b>Method:E300</b>		Analyst: TH		
Chloride	84.2		0.500	mg/L	1	15-May-2024 14:22
Nitrogen, Nitrate (As N)	25.5		1.00	mg/L	10	16-May-2024 10:39
Sulfate	41.7		0.500	mg/L	1	15-May-2024 14:22
<b>PHOSPHORUS BY E365.3-1978</b>		<b>Method:E365.3</b>		Prep:E365.3 / 30-May-2024 Analyst: JAC		
Phosphate, Total	48.9		7.65	mg/L	1	30-May-2024 15:43
<b>TOTAL KJELDAHL NITROGEN BY SM4500 NH3 D-2011</b>		<b>Method:M4500 NH3 D</b>		Prep:M4500-N C / 22-May-2024 Analyst: HB		
Nitrogen, Total Kjeldahl	18		0.50	mg/L	1	22-May-2024 15:00
<b>AMMONIA AS N BY SM4500 NH3-B-F-2011</b>		<b>Method:SM4500 NH3-B-F</b>		Prep:M4500-NH3 B / 28-May-2024 Analyst: SG		
Nitrogen, Ammonia (as N)	17		2.5	mg/L	1	28-May-2024 15:45
<b>CBOD BY SM5210B-2011</b>		<b>Method:SM5210 B</b>		Prep:SM5210 B / 16-May-2024 Analyst: AR		
Carbonaceous Biochemical Oxygen Demand	3.41		2.00	mg/L	1	21-May-2024 12:12
<b>SUBCONTRACT ANALYSIS - E. COLI</b>		<b>Method:NA</b>		Analyst: EDL		
Subcontract Analysis	See Attached				1	29-May-2024 10:42

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: Weishuhn Engineering, Inc.  
Project: Titan  
WorkOrder: HS24050830

Batch ID: 212074		Start Date: 16 May 2024 12:30			End Date: 16 May 2024 12:30	
Method: CBOD PREP					Prep Code: CBOD_PR	
Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor		
HS24050830-01		300 (mL)	300 (mL)	1	1-L plastic, Neat	
Batch ID: 212376		Start Date: 22 May 2024 10:00			End Date: 22 May 2024 10:00	
Method: TKN WATER - PREP					Prep Code: TKN_W_PR	
Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor		
HS24050830-01		25 (mL)	50 (mL)	2	250 mL plastic, H2SO4 to pH <2	
Batch ID: 212603		Start Date: 28 May 2024 07:00			End Date: 28 May 2024 07:00	
Method: NITROGEN AMMONIA - WATER - PREP					Prep Code: NIT_AMM_W_PR	
Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor		
HS24050830-01		0.5 (mL)	25 (mL)	50	250 mL plastic, H2SO4 to pH <2	
Batch ID: 212801		Start Date: 30 May 2024 10:00			End Date: 30 May 2024 10:00	
Method: PHOSPHOROUS					Prep Code: P_TW_PR	
Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor		
HS24050830-01		1 (mg/L)	50 (mL)	50	250 mL plastic, H2SO4 to pH <2	

**Client:** Weishuhn Engineering, Inc.**Project:** Titan**WorkOrder:** HS24050830**DATES REPORT**

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
<b>Batch ID:</b> 212074 ( 0 )		<b>Test Name :</b> CBOD BY SM5210B-2011			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15		16 May 2024 12:30	21 May 2024 12:12	1
<b>Batch ID:</b> 212376 ( 0 )		<b>Test Name :</b> TOTAL KJELDAHL NITROGEN BY SM4500 NH3 D-2011			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15		22 May 2024 10:00	22 May 2024 15:00	1
<b>Batch ID:</b> 212603 ( 0 )		<b>Test Name :</b> AMMONIA AS N BY SM4500 NH3-B-F-2011			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15		28 May 2024 07:00	28 May 2024 15:45	1
<b>Batch ID:</b> 212801 ( 0 )		<b>Test Name :</b> PHOSPHORUS BY E365.3-1978			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15		30 May 2024 10:00	30 May 2024 15:43	1
<b>Batch ID:</b> R466841 ( 0 )		<b>Test Name :</b> ANIONS BY E300.0, REV 2.1, 1993			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15			15 May 2024 14:22	1
<b>Batch ID:</b> R466957 ( 0 )		<b>Test Name :</b> ANIONS BY E300.0, REV 2.1, 1993			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15			16 May 2024 10:39	10
<b>Batch ID:</b> R467050 ( 0 )		<b>Test Name :</b> TOTAL SUSPENDED SOLIDS BY EPA 160.2			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15			17 May 2024 11:00	1
<b>Batch ID:</b> R467068 ( 0 )		<b>Test Name :</b> TOTAL DISSOLVED SOLIDS BY EPA 160.1			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15			16 May 2024 12:00	1
<b>Batch ID:</b> R467328 ( 0 )		<b>Test Name :</b> OIL & GREASE (HEM) BY E1664A			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15			22 May 2024 07:00	1
<b>Batch ID:</b> R467889 ( 0 )		<b>Test Name :</b> SUBCONTRACT ANALYSIS - E. COLI			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15			29 May 2024 10:42	1
<b>Batch ID:</b> R467921 ( 0 )		<b>Test Name :</b> SPECIFIC CONDUCTANCE BY E120.1, 1982			<b>Matrix:</b> Water	
HS24050830-01	Permit Renewal	15 May 2024 09:15			29 May 2024 13:40	1

Client: Weishuhn Engineering, Inc.

Project: Titan

WorkOrder: HS24050830

## QC BATCH REPORT

Batch ID: 212074 ( 0 )		Instrument: Skalar 02		Method: CBOD BY SM5210B-2011						
<b>MBLK</b>	Sample ID: <b>MBLK-212074</b>	Units: <b>mg/L</b>		Analysis Date: <b>21-May-2024 12:12</b>						
Client ID:	Run ID: <b>Skalar 02_467246</b>	SeqNo: <b>8020592</b>		PrepDate: <b>16-May-2024</b>		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbonaceous Biochemical Oxygen Demand	ND	2.00								
<b>LCS</b>	Sample ID: <b>LCS-212074</b>	Units: <b>mg/L</b>		Analysis Date: <b>21-May-2024 12:12</b>						
Client ID:	Run ID: <b>Skalar 02_467246</b>	SeqNo: <b>8020591</b>		PrepDate: <b>16-May-2024</b>		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbonaceous Biochemical Oxygen Demand	190.3	2.00	198	0	96.1	85 - 115				
<b>DUP</b>	Sample ID: <b>HS24050953-01DUP</b>	Units: <b>mg/L</b>		Analysis Date: <b>21-May-2024 12:12</b>						
Client ID:	Run ID: <b>Skalar 02_467246</b>	SeqNo: <b>8020590</b>		PrepDate: <b>16-May-2024</b>		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbonaceous Biochemical Oxygen Demand	7.36	2.00					7.13	3.17	20	
<b>DUP</b>	Sample ID: <b>HS24050830-01DUP</b>	Units: <b>mg/L</b>		Analysis Date: <b>21-May-2024 12:12</b>						
Client ID: <b>Permit Renewal</b>	Run ID: <b>Skalar 02_467246</b>	SeqNo: <b>8020589</b>		PrepDate: <b>16-May-2024</b>		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Carbonaceous Biochemical Oxygen Demand	3.15	2.00					3.41	7.93	20	
The following samples were analyzed in this batch: HS24050830-01										



**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**WorkOrder:** HS24050830

**QC BATCH REPORT**

Batch ID: 212376 ( 0 )		Instrument: UV-2450		Method: TOTAL KJELDAHL NITROGEN BY SM4500 NH3 D-2011					
MBLK	Sample ID: MBLK-212376	Units: mg/L		Analysis Date: 22-May-2024 15:00					
Client ID:	Run ID: UV-2450_467433	SeqNo: 8024631		PrepDate: 22-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Total Kjeldahl		ND	0.50						
LCS	Sample ID: LCS-212376	Units: mg/L		Analysis Date: 22-May-2024 15:00					
Client ID:	Run ID: UV-2450_467433	SeqNo: 8024630		PrepDate: 22-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Total Kjeldahl		20.02	0.50	20	0	100	85 - 115		
MS	Sample ID: HS24050686-01MS	Units: mg/L		Analysis Date: 22-May-2024 15:00					
Client ID:	Run ID: UV-2450_467433	SeqNo: 8024628		PrepDate: 22-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Total Kjeldahl		28.46	0.50	20	9.784	93.4	75 - 125		
MSD	Sample ID: HS24050686-01MSD	Units: mg/L		Analysis Date: 22-May-2024 15:00					
Client ID:	Run ID: UV-2450_467433	SeqNo: 8024629		PrepDate: 22-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Total Kjeldahl		29.15	0.50	20	9.784	96.8	75 - 125	28.46	2.4 20
The following samples were analyzed in this batch: HS24050830-01									

**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**WorkOrder:** HS24050830

**QC BATCH REPORT**

Batch ID: 212603 ( 0 )		Instrument: UV-2450		Method: AMMONIA AS N BY SM4500 NH3-B-F-2011					
<b>MBLK</b>	Sample ID: <b>MBLK-212603</b>	Units: <b>mg/L</b>		Analysis Date: <b>28-May-2024 15:45</b>					
Client ID:	Run ID: <b>UV-2450_467832</b>	SeqNo: <b>8033355</b>		PrepDate: <b>28-May-2024</b>		DF: <b>1</b>			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Ammonia (as N)	ND	0.050							
<b>LCS</b>	Sample ID: <b>LCS-212603</b>	Units: <b>mg/L</b>		Analysis Date: <b>28-May-2024 15:45</b>					
Client ID:	Run ID: <b>UV-2450_467832</b>	SeqNo: <b>8033352</b>		PrepDate: <b>28-May-2024</b>		DF: <b>1</b>			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Ammonia (as N)	0.493	0.050	0.5	0	98.6	85 - 115			
<b>LCSD</b>	Sample ID: <b>LCSD-212603</b>	Units: <b>mg/L</b>		Analysis Date: <b>28-May-2024 15:45</b>					
Client ID:	Run ID: <b>UV-2450_467832</b>	SeqNo: <b>8033353</b>		PrepDate: <b>28-May-2024</b>		DF: <b>1</b>			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Ammonia (as N)	0.498	0.050	0.5	0	99.6	85 - 115	0.493	1.01	20
<b>MS</b>	Sample ID: <b>HS24051226-08MS</b>	Units: <b>mg/L</b>		Analysis Date: <b>28-May-2024 15:45</b>					
Client ID:	Run ID: <b>UV-2450_467832</b>	SeqNo: <b>8033350</b>		PrepDate: <b>28-May-2024</b>		DF: <b>1</b>			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Ammonia (as N)	0.6	0.050	0.5	0.057	109	80 - 120			
<b>MS</b>	Sample ID: <b>HS24050945-05MS</b>	Units: <b>mg/L</b>		Analysis Date: <b>28-May-2024 15:45</b>					
Client ID:	Run ID: <b>UV-2450_467832</b>	SeqNo: <b>8033348</b>		PrepDate: <b>28-May-2024</b>		DF: <b>1</b>			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Ammonia (as N)	0.92	0.050	0.5	0.433	97.4	80 - 120			
<b>MSD</b>	Sample ID: <b>HS24051226-08MSD</b>	Units: <b>mg/L</b>		Analysis Date: <b>28-May-2024 15:45</b>					
Client ID:	Run ID: <b>UV-2450_467832</b>	SeqNo: <b>8033351</b>		PrepDate: <b>28-May-2024</b>		DF: <b>1</b>			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Ammonia (as N)	0.543	0.050	0.5	0.057	97.2	80 - 120	0.6	9.97	20

**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**WorkOrder:** HS24050830

**QC BATCH REPORT**

**Batch ID:** 212603 ( 0 )      **Instrument:** UV-2450      **Method:** AMMONIA AS N BY SM4500 NH3-B-F-2011

<b>MSD</b>	Sample ID: <b>HS24050945-05MSD</b>	Units: <b>mg/L</b>	Analysis Date: <b>28-May-2024 15:45</b>							
Client ID:	Run ID: <b>UV-2450_467832</b>	SeqNo: <b>8033349</b>	PrepDate: <b>28-May-2024</b> DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen, Ammonia (as N)	0.945	0.050	0.5	0.433	102	80 - 120	0.92	2.68	20	

The following samples were analyzed in this batch: HS24050830-01

**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**WorkOrder:** HS24050830

**QC BATCH REPORT**

Batch ID: 212801 ( 0 )		Instrument: UV-2450		Method: PHOSPHORUS BY E365.3-1978						
<b>MBLK</b>	Sample ID: <b>MBLK-212801</b>	Units: <b>mg/L</b>		Analysis Date: <b>30-May-2024 15:43</b>						
Client ID:	Run ID: <b>UV-2450_468097</b>	SeqNo: <b>8039145</b>		PrepDate: <b>30-May-2024</b>		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphate, Total	ND	0.153								
<b>LCS</b>	Sample ID: <b>LCS-212801</b>	Units: <b>mg/L</b>		Analysis Date: <b>30-May-2024 15:43</b>						
Client ID:	Run ID: <b>UV-2450_468097</b>	SeqNo: <b>8039144</b>		PrepDate: <b>30-May-2024</b>		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphate, Total	0.7447	0.153	0.766	0	97.2	80 - 120				
<b>MS</b>	Sample ID: <b>HS24051544-01MS</b>	Units: <b>mg/L</b>		Analysis Date: <b>30-May-2024 15:43</b>						
Client ID:	Run ID: <b>UV-2450_468097</b>	SeqNo: <b>8039142</b>		PrepDate: <b>30-May-2024</b>		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphate, Total	0.7999	0.153	0.766	0.058	96.9	80 - 120				
<b>MSD</b>	Sample ID: <b>HS24051544-01MSD</b>	Units: <b>mg/L</b>		Analysis Date: <b>30-May-2024 15:43</b>						
Client ID:	Run ID: <b>UV-2450_468097</b>	SeqNo: <b>8039143</b>		PrepDate: <b>30-May-2024</b>		DF: <b>1</b>				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphate, Total	0.806	0.153	0.766	0.058	97.7	80 - 120	0.7999	0.76	20	
The following samples were analyzed in this batch: HS24050830-01										

**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**WorkOrder:** HS24050830

**QC BATCH REPORT**

Batch ID: R466841 ( 0 )		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
<b>MBLK</b>	Sample ID: <b>MBLK</b>	Units: <b>mg/L</b>		Analysis Date: <b>15-May-2024 11:31</b>					
Client ID:	Run ID: <b>ICS-Integrion_466841</b>		SeqNo: <b>8012429</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	ND	0.500							
Sulfate	ND	0.500							
<b>LCS</b>	Sample ID: <b>LCS</b>	Units: <b>mg/L</b>		Analysis Date: <b>15-May-2024 11:37</b>					
Client ID:	Run ID: <b>ICS-Integrion_466841</b>		SeqNo: <b>8012430</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	21.13	0.500	20	0	106	90 - 110			
Sulfate	21.93	0.500	20	0	110	90 - 110			
<b>MS</b>	Sample ID: <b>HS24050823-01MS</b>	Units: <b>mg/L</b>		Analysis Date: <b>15-May-2024 14:45</b>					
Client ID:	Run ID: <b>ICS-Integrion_466841</b>		SeqNo: <b>8012455</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	146.2	0.500	10	142.2	40.1	80 - 120			SEO
Sulfate	10.98	0.500	10	0.434	105	80 - 120			
<b>MS</b>	Sample ID: <b>HS24050680-01MS</b>	Units: <b>mg/L</b>		Analysis Date: <b>15-May-2024 15:57</b>					
Client ID:	Run ID: <b>ICS-Integrion_466841</b>		SeqNo: <b>8012461</b>		PrepDate:		DF: <b>5</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	174.4	2.50	50	123.6	102	80 - 120			
Sulfate	101.5	2.50	50	51.21	101	80 - 120			
<b>MSD</b>	Sample ID: <b>HS24050823-01MSD</b>	Units: <b>mg/L</b>		Analysis Date: <b>15-May-2024 14:51</b>					
Client ID:	Run ID: <b>ICS-Integrion_466841</b>		SeqNo: <b>8012456</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	148.2	0.500	10	142.2	59.6	80 - 120	146.2	1.32	20 SEO
Sulfate	11.1	0.500	10	0.434	107	80 - 120	10.98	1.11	20

Client:

Project:

WorkOrder:

Weishuhn Engineering, Inc.  
Titan  
HS24050830

QC BATCH REPORT

Batch ID: R466841 ( 0 )		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MSD	Sample ID: HS24050680-01MSD	Units: mg/L		Analysis Date: 15-May-2024 16:03					
Client ID:	Run ID: ICS-Integrion_466841		SeqNo: 8012462		PrepDate:		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	175.9	2.50	50	123.6	105	80 - 120	174.4	0.851	20
Sulfate	102.7	2.50	50	51.21	103	80 - 120	101.5	1.14	20
The following samples were analyzed in this batch: HS24050830-01									

**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**WorkOrder:** HS24050830

**QC BATCH REPORT**

Batch ID: R466957 ( 0 )		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
<b>MBLK</b>	Sample ID: <b>MBLK</b>	Units: <b>mg/L</b>		Analysis Date: <b>16-May-2024 10:21</b>					
Client ID:	Run ID: <b>ICS-Integrion_466957</b>		SeqNo: <b>8014498</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	ND	0.100							
<b>LCS</b>	Sample ID: <b>LCS</b>	Units: <b>mg/L</b>		Analysis Date: <b>16-May-2024 10:27</b>					
Client ID:	Run ID: <b>ICS-Integrion_466957</b>		SeqNo: <b>8014499</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	4.113	0.100	4	0	103	90 - 110			
<b>MS</b>	Sample ID: <b>HS24050929-01MS</b>	Units: <b>mg/L</b>		Analysis Date: <b>16-May-2024 13:27</b>					
Client ID:	Run ID: <b>ICS-Integrion_466957</b>		SeqNo: <b>8014524</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	6.318	0.100	2	4.411	95.3	80 - 120			
<b>MS</b>	Sample ID: <b>HS24050764-01MS</b>	Units: <b>mg/L</b>		Analysis Date: <b>16-May-2024 10:51</b>					
Client ID:	Run ID: <b>ICS-Integrion_466957</b>		SeqNo: <b>8014503</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	1.972	0.100	2	0.0157	97.8	80 - 120			
<b>MSD</b>	Sample ID: <b>HS24050929-01MSD</b>	Units: <b>mg/L</b>		Analysis Date: <b>16-May-2024 13:33</b>					
Client ID:	Run ID: <b>ICS-Integrion_466957</b>		SeqNo: <b>8014525</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	6.24	0.100	2	4.411	91.5	80 - 120	6.318	1.24	20
<b>MSD</b>	Sample ID: <b>HS24050764-01MSD</b>	Units: <b>mg/L</b>		Analysis Date: <b>16-May-2024 10:57</b>					
Client ID:	Run ID: <b>ICS-Integrion_466957</b>		SeqNo: <b>8014504</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	1.975	0.100	2	0.0157	98.0	80 - 120	1.972	0.198	20
The following samples were analyzed in this batch: HS24050830-01									

Client: Weishuhn Engineering, Inc.

Project: Titan

WorkOrder: HS24050830

## QC BATCH REPORT

Batch ID: R467050 ( 0 )		Instrument: Balance1		Method: TOTAL SUSPENDED SOLIDS BY EPA 160.2					
<b>MBLK</b>	Sample ID: WMBLK-05172024	Units: mg/L		Analysis Date: 17-May-2024 11:00					
Client ID:	Run ID: Balance1_467050	SeqNo: 8016341		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Suspended Solids (Residue, Non-Filterable)		ND	2.50						

<b>DUP</b>	Sample ID: HS24050830-01 DUP	Units: mg/L		Analysis Date: 17-May-2024 11:00					
Client ID: Permit Renewal	Run ID: Balance1_467050	SeqNo: 8016339		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Suspended Solids (Residue, Non-Filterable)		18.8	2.50				18.8	0	20

<b>LCS1</b>	Sample ID: WLCS-05172024	Units: mg/L		Analysis Date: 17-May-2024 11:00					
Client ID:	Run ID: Balance1_467050	SeqNo: 8016340		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Suspended Solids (Residue, Non-Filterable)		95	2.50	100	0	95.0	85 - 115	0	0

The following samples were analyzed in this batch: HS24050830-01



Client: Weishuhn Engineering, Inc.

Project: Titan

WorkOrder: HS24050830

## QC BATCH REPORT

Batch ID: R467068 ( 0 )		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY EPA 160.1						
<b>MBLK</b>	Sample ID: WMBLK-05162024	Units: mg/L		Analysis Date: 16-May-2024 12:00						
Client ID:	Run ID: Balance1_467068	SeqNo: 8016630		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		ND	10.0							

<b>LCS</b>	Sample ID: WLCS-05162024	Units: mg/L		Analysis Date: 16-May-2024 12:00						
Client ID:	Run ID: Balance1_467068	SeqNo: 8016629		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		942	10.0	1000	0	94.2	85 - 115			

<b>DUP</b>	Sample ID: HS24050830-01 DUP	Units: mg/L		Analysis Date: 16-May-2024 12:00						
Client ID: Permit Renewal	Run ID: Balance1_467068	SeqNo: 8016628		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)		512	10.0				518	1.17	20	

The following samples were analyzed in this batch: HS24050830-01

Client: Weishuhn Engineering, Inc.

Project: Titan

WorkOrder: HS24050830

## QC BATCH REPORT

Batch ID: R467328 ( 0 )		Instrument: Balance1		Method: OIL & GREASE (HEM) BY E1664A					
<b>MBLK</b>	Sample ID: WMBLK-05222024	Units: mg/L		Analysis Date: 22-May-2024 07:00					
Client ID:	Run ID: Balance1_467328	SeqNo: 8022645		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Oil and Grease	ND	2.00							
<b>LCS</b>	Sample ID: LCS-05222024	Units: mg/L		Analysis Date: 22-May-2024 07:00					
Client ID:	Run ID: Balance1_467328	SeqNo: 8022643		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Oil and Grease	43.7	2.00	40	0	109	78 - 114			
<b>LCSD</b>	Sample ID: LCSD-05222024	Units: mg/L		Analysis Date: 22-May-2024 07:00					
Client ID:	Run ID: Balance1_467328	SeqNo: 8022644		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Oil and Grease	43.2	2.00	40	0	108	78 - 114	43.7	1.15	18
<b>MS</b>	Sample ID: HS24051018-02MS	Units: mg/L		Analysis Date: 22-May-2024 07:00					
Client ID:	Run ID: Balance1_467328	SeqNo: 8022632		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Oil and Grease	40.7	2.00	40	2.545	95.4	78 - 114			
The following samples were analyzed in this batch: HS24050830-01									

Client: Weishuhn Engineering, Inc.

Project: Titan

WorkOrder: HS24050830

## QC BATCH REPORT

Batch ID: R467921 ( 0 )		Instrument: WetChem_HS		Method: SPECIFIC CONDUCTANCE BY E120.1, 1982					
MBLK	Sample ID: MBLK-R467921	Units: umhos/cm		Analysis Date: 29-May-2024 13:40					
Client ID:	Run ID: WetChem_HS_467921		SeqNo: 8035486		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Specific Conductance	ND	5.00							

LCS	Sample ID: LCS-R467921	Units: umhos/cm		Analysis Date: 29-May-2024 13:40					
Client ID:	Run ID: WetChem_HS_467921		SeqNo: 8035485		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Specific Conductance	1152	5.00	1413	0	81.5	80 - 120			

DUP	Sample ID: HS24050830-01DUP	Units: umhos/cm		Analysis Date: 29-May-2024 13:40					
Client ID: Permit Renewal	Run ID: WetChem_HS_467921		SeqNo: 8035482		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Specific Conductance	1089	5.00					1088	0.0919	20

The following samples were analyzed in this batch: HS24050830-01

**Client:** Weishuhn Engineering, Inc.  
**Project:** Titan  
**WorkOrder:** HS24050830

**QUALIFIERS,  
ACRONYMS, UNITS**

<b>Qualifier</b>	<b>Description</b>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

<b>Acronym</b>	<b>Description</b>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

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Agency	Number	Expire Date
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2024

## Sample Receipt Checklist

Work Order ID: HS24050830

Date/Time Received: 15-May-2024 11:25

Client Name: Weishuhn

Received by: Monica SmithCompleted By: /S/ Monica Smith

15-May-2024 11:56

Reviewed by: /S/ Anna Kinchen

16-May-2024 10:00

eSignature

Date/Time

eSignature

Date/Time

Matrices: waterCarrier name: Client

Shipping container/cooler in good condition?

Yes ☒No ☐Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐No ☐Not Present ☒

Custody seals intact on sample bottles?

Yes ☐No ☐Not Present ☒

VOA/TX1005/TX1006 Solids in hermetically sealed vials?

Yes ☐No ☐Not Present ☒

Chain of custody present?

Yes ☒No ☐

1 Page(s)

Chain of custody signed when relinquished and received?

Yes ☒No ☐

COC IDs:317578

Samplers name present on COC?

Yes ☒No ☐

Chain of custody agrees with sample labels?

Yes ☒No ☐

Samples in proper container/bottle?

Yes ☒No ☐

Sample containers intact?

Yes ☒No ☐

Sufficient sample volume for indicated test?

Yes ☒No ☐

All samples received within holding time?

Yes ☒No ☐

Container/Temp Blank temperature in compliance?

Yes ☒No ☐

Temperature(s)/Thermometer(s):

5.6 uc/5.7 c

IR31

Cooler(s)/Kit(s):

46342

Date/Time sample(s) sent to storage:

05/15/2024 1157

Water - VOA vials have zero headspace?

Yes ☐No ☐No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☒No ☐N/A ☐

pH adjusted?

Yes ☐No ☒N/A ☐

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



Cincinnati, OH  
+1 513 733 5336

Everett, WA  
+1 425 356 2600

Fort Collins, CO  
+1 970 490 1511

Holland, MI  
+1 616 399 6070

# Chain of Custody Form

Page \_\_\_\_ of \_\_\_\_

COC ID: 317578

HS24050830

Weishuhn Engineering, Inc.  
Titan



ALS Project Manager:

Customer Information		Project Information	
Purchase Order	Need	Project Name	Titan
Work Order		Project Number	
Company Name	Weishuhn Engineering, Inc.	Bill To Company	Weishuhn Engineering, Inc.
Send Report To	James Weishuhn	Invoice Attn	Barbara Weishuhn
Address	P.O. Box 358 425 Spring Street Suite 102	Address	P.O. Box 358 425 Spring Street Suite 102
City/State/Zip	Columbus, TX 78934	City/State/Zip	Columbus TX 78934
Phone	(979) 732-6997	Phone	(979) 732-6997
Fax	(979) 732-6997	Fax	(979) 732-6997
e-Mail Address	weishuhnengineering@gmail.com	e-Mail Address	weishuhnengineering@gmail.com

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	PERMIT RENEWAL	5/15/24	9:15	W		9	✓	✓	✓	✓	✓	✓	✓				
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Field pH: 2.18 & Calib to  
pH 4.01 & 10.00  
Temp 23.35

Sampler(s) Please Print & Sign ZACHARY LESIKAR / Zachary Lesikar		Shipment Method SELF		Required Turnaround Time: (Check Box) <input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour		Results Due Date:	
Relinquished by: <i>Zachary Lesikar</i>	Date: 5/15/24	Time: 11:25	Received by:	Notes: Weishuhn - Titan			
Relinquished by:	Date: 5/15/24	Time: 5:15:24	Received by (Laboratory): <i>[Signature]</i>	Cooler ID 46348	Cooler Temp. 5.4	QC Package: (Check One Box Below) <input checked="" type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP Checklist <input type="checkbox"/> Level III Std QC/Raw Data <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> Level IV SW846/CLP <input type="checkbox"/> Other	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):				
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035							

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
3. The Chain of Custody is a legal document. All information must be completed accurately.



Envirodyne Laboratories, Inc  
11011 Brooklet Dr., # 230  
Houston, TX 77099  
281.568.7880 Phone  
www.envirodyne.com

29 May 2024

ALS Group USA, Corp.  
Attn: Accounts Payable  
10450 Stancliff Rd. Suite #210  
Houston, TX 77099

## ALS

Enclosed are the results of analyses for samples received by the laboratory on 15-May-24 15:00. The analytical data provided relates only to the samples as received in this laboratory report.

ELI certifies that all results are NELAP compliant and performed in accordance with the referenced method except as noted in the Case Narrative or as noted with a qualifier. Any reproductions of this laboratory report should be in full and only with the written authorization from the client.

The total number of pages in this report is 5

Thank you for selecting ELI for your analytical needs. If you have any questions regarding this report, please contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Julie Peterson'.

Julie Peterson  
Client Services Representative



Certificate No: T104704265-22-20





Envirodyne Laboratories, Inc  
11011 Brooklet Dr., # 230  
Houston, TX 77099  
281.568.7880 Phone  
www.envirodyne.com

**Client:** ALS Group USA, Corp.  
**Project:** ALS  
**Work Order:** 24E2199

**Reported:**  
29-May-24 08:41

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HS 24050830-01	24E2199-01	Water	15-May-24 09:15	15-May-24 15:00

Envirodyne Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Envirodyne Laboratories, Inc  
11011 Brooklet Dr., # 230  
Houston, TX 77099  
281.568.7880 Phone  
www.envirodyne.com

Client: ALS Group USA, Corp.  
Project: ALS  
Work Order: 24E2199

Reported:  
29-May-24 08:41

HS 24050830-01  
24E2199-01 (Water) Sampled: 15-May-24 09:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	---------	-------

Envirodyne Laboratories, Inc.

Microbiology

E.coli	> 2420	1	MPN/100 mL	1	B4E5287	15-May-24	15-May-24 15:10	SM9223 B	LN	
--------	--------	---	------------	---	---------	-----------	-----------------	----------	----	--

Envirodyne Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Envirodyne Laboratories, Inc  
11011 Brooklet Dr., # 230  
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281.568.7880 Phone  
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**Client:** ALS Group USA, Corp.  
**Project:** ALS  
**Work Order:** 24E2199

**Reported:**  
29-May-24 08:41

**Microbiology - Quality Control**  
**Envirodyne Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch B4E5287 - Microbiology**

**Blank (B4E5287-BLK1)**

Prepared & Analyzed: 15-May-24

E.coli <1 1 MPN/100 mL

**Duplicate (B4E5287-DUP1)**

**Source: 24E1241-01**

Prepared & Analyzed: 15-May-24

E.coli <2 2 MPN/100 mL <2 0 0.402

Envirodyne Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Envirodyne Laboratories, Inc  
11011 Brooklet Dr., # 230  
Houston, TX 77099  
281.568.7880 Phone  
www.envirodyne.com

**Client:** ALS Group USA, Corp.  
**Project:** ALS  
**Work Order:** 24E2199

**Reported:**  
29-May-24 08:41

### Notes and Definitions

> > 2420  
ND Analyte NOT DETECTED at or above the reporting limit  
< Result is less than the RL  
a Analyte not available for TNI/NELAP accreditation  
n Not accredited

Envirodyne Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



24E2199

10450 Stancliff Rd, Ste 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887  
www.alsglobal.com

## Subcontract Chain of Custody

**SAMPLING STATE:** Texas

**COC ID:** 25657

**SUBCONTRACT TO:**

Envirodyne Laboratories, Inc.  
11011 Brooklet, Ste 230  
Houston, TX 77099

**Phone:** +1 281 568 7880

**CUSTOMER  
INFORMATION:**

**Company:** ALS Houston  
**Contact:** Anna Kinchen  
**Address:** 10450 Stancliff Rd, Ste 210  
**Phone:** +1 281 530 5656  
**Email:** anna.kinchen@alsglobal.com  
**Alternate  
Contact:** Jumoke M. Lawal  
**Email:** jumoke.lawal@alsglobal.com

**INVOICE  
INFORMATION:**

**Company:** ALS Houston  
**Contact:** Accounts Payable  
**Address:** 10450 Stancliff Rd, Ste 210  
**Phone:** +1 281 530 5656  
**Reference:** HS24050830  
**TSR:** Houston House Acct

	LAB SAMPLE ID ANALYSIS REQUESTED	CLIENT SAMPLE ID	MATRIX	COLLECT DATE DUE DATE
1.	HS24050830-01 SUB_E. Coli	Permit Renewal	Water	15 May 2024 09:15 29 May 2024

**Comments:** Please analyze for the analysis listed above.  
Send report to the emails shown above.

**QC Level:** STD (Laboratory Standard QC: method blank and LCS required)

Relinquished By: DJZ  
Received By: Jal  
Cooler ID(s): \_\_\_\_\_

Date/Time: 5.15.24 1500  
Date/Time: 5.15.24 1708  
Temperature(s): 4.1/4.1/12#4

RIGHT SOLUTIONS | RIGHT PARTNER

15 May 2024

Page 1 of 1

**ATTACHMENT L**

**Liner Certification**

September 29, 2021

Texas Commission on Environmental Quality  
Water Quality Assessment Team (MC-150)  
P.O. Box 13087  
Austin, TX 78711-3087

Texas Commission on Environmental Quality  
Compliance Monitoring Section (MC-224)  
P.O. Box 13087  
Austin, TX 78711-3087

Texas Commission on Environmental Quality  
Regional Office (MC-Region 12)  
5425 Polk St, Ste H  
Houston TX 77023-1452

Re: Newly-Constructed Wastewater Pond Liner Certification, Titan Production Equipment, LLC  
Special Provision 10, Permit No. WQ0011975001, 2207 FM 949 Alleyton, TX,

Dear TCEQ Members:

In accordance with Special Provision 10 of the aforementioned Permit, this correspondence serves as the liner certification for a newly-constructed wastewater effluent holding pond at the aforementioned location. The liner system was constructed at the facility in the summer of 2021 by Mustang Extreme Environmental Services (Mustang). A plan view of the pond is provided as Figure 1 in Attachment A.

A high density polyethylene liner system was installed in the pond because the clay soils at the location were likely to not exhibit permeabilities of  $1 \times 10^{-7}$  cm/s. The liner system consists of the following components:

- Primary (top) liner of 40 mil black smooth high density polyethylene liner;
- Geonet 220 for leachate detection and collection;
- Secondary (bottom) liner of 30 mil black smooth high density polyethylene liner; and
- 4" perforated piping and river rock leak detection system.

Mustang's summary of the work and quality assurance testing is provided in Attachment B. Photographs of the completed work are provided in Attachment C.

The following table summarizes how the liner meets the requirements of 30 TAC 217.203:

<b>30 TAC 217.203 Provision</b>	<b>Rule Description</b>	<b>Description of How Pond/Liner Meets the Rule</b>
(a)	Applicability of Section	Applicability of Rule, No Requirement
(b)	Flow Distribution	Influent and Effluent piping is separated by approximately 100'
(c)	Windbreaks and Screening	Operation of facility has piping on side slopes of pond and will not cause spray
(d)(1)	Liner Permeability	Two layers of high density polyethylene (HDPE) liner were used and they exhibit permeabilities of less than $1 \times 10^{-7}$ cm/s
(d)(2)	Liner Placement	The liner extends from the lowest elevation to the top of the berm and provided for two-feet of liner above normal water elevation in the pond
(d)(3)	Reclaimed Water Requirement	Not applicable, the wastewater is not classified as reclaimed water
(e)(1)	Soil Liner Requirements	Not applicable, a HDPE was installed in the pond
(e)(2)	Soil Liner Construction	Not applicable, a HDPE liner was installed in the pond
(e)(3)(A)	Synthetic Membrane Liners Thickness	A 40 mil and a 30 mil liner HDPE were installed in the pond
(e)(3)(B)	Synthetic Membrane Liner Underdrain and Leak Detection	A layer of geogrid was installed between the 40 mil and the 30 mil HDPE liner. The interstitial space formed by the geogrid is hydraulically connected to river rock and perforated pipe in the southwest corner of the pond. A 6-inch diameter pipe completed at the top of the berm from the perforated pipe present in the river rock provides an operator accessible point to check for the presence of water between the 40 mil and the 30 mil HDPE liners.
(e)(3)(C)	Sunlight Resistance	HDPE is recognized as being sunlight resistant
(e)(3)(D)	Soil Compaction	The HDPE liner was installed over native, undisturbed clay soils
(f)(1)	Embankment Width	The top embankment is a minimum of 10-feet wide
(f)(2)	Embankment Slopes	The embankment slopes are 3:1. This slope is suitable because clay soils are structurally sound on 3:1 slopes and the slope faces are protected from water and wave action by the HDPE liner on the inner slope. Finally, vegetation control is not required on the inner slope faces because of the liner's presence. 3:1 slopes can be traversed by equipment on the outer slopes for vegetation control



(f)(3)	Embankment Slopes	The embankment slopes are 3:1.
(f)(4)	Erosion Protection	The inner slope faces are protected from erosion by the liner. The outer slope faces are protected from erosion by vegetation.
(f)(5)	Topsoil	Clay loam type soil is present on the unlined portions of the embankment
(g)	Disinfection	A detention time of 87 days in a plant-free water with full sun exposure will be provided by the pond
(h)	Sampling Point Significance	The size of the upstream treatment units is not based on the design of the pond.
(i)	Stormwater Drainage	Raised berms decrease the likelihood of stormwater entering into the pond
(j)	Piping	Not applicable, the pond is not a natural system.
(k)(1)	Freeboard	The pond area is less than 20 acres and provides for 2.0-feet of freeboard above the normal operating level. The normal operating level is 5-feet of water depth for one 87-days of flow at 6,000 gpd The pond depth is 7-feet. Accordingly, 5-feet of free board is provided.
(k)(2)	Freeboard	Not applicable. The pond area is less than 20 acres.
(k)(3)	Constructed Wetland Cell Freeboard	Not applicable. The pond is not a constructed wetland cell.
(l)	Prohibition of Synthetic Liners for Constructed Wetland	Not applicable. The pond is not a constructed wetland cell.

The following table summarizes how the liner meets the requirements of *30 TAC 309.13*:

<b><i>30 TAC 309.13 Provision</i></b>	<b><i>Rule Description</i></b>	<b><i>Description of How Pond/Liner Meets the Rule</i></b>
(a)	100-year flood plain	100-year flood plains are not present on the Property. See Attachment D
(b)	Wetlands	Wetlands are not present on the Property. See Attachment E
(c)	Public Water Supply Well Setback	The effluent pond is at least 500-feet from the public water supply well on the Property as shown on Figure 2, Attachment A.
(c)(1)	Private Water Supply Well Setback	The irrigated area is greater than 150-feet from private water supply wells because the irrigated area is set back 150-feet from all property lines and there are no wells in the onsite buffer areas.
(c)(2)	Public Water Supply Tank Setback	The effluent pond is approximately 500-feet from the public water supply tanks as shown on Figure 2, Attachment A.

(c)(3)	Public Water Supply Well Setback	The effluent pond and irrigation area are at least 500-feet from the public water supply well on the Property as shown on Figure 2, Attachment A.
(c)(4)	Public Water Supply Well Setback	The effluent pump station is greater than 300-feet from the public water supply well as shown on Figure 2, Attachment A.
(c)(5)	Surface Water Treatment Plant Setback	Not applicable, there are no surface water treatment plants in the area.
(d)	Recharge Zone Requirements	A 40 mil and a 30 mil HDPE liner were installed for the project.
(e)(1)	Odor Control	The effluent pond does not have zones of anaerobic activity and the effluent pond and the irrigation areas are greater than 150-feet from the property lines as shown on Figure 2, Attachment A.
(e)(2)	Odor Control	This provision is not applicable because treated water will be present in the pond.
(e)(3)	Residential Structures in Buffer Zone	Not Applicable. The buffer zone is owned by the Permittee.
(f)	Buffer Zone Variances	Not Applicable. The wastewater treatment units meet the buffer zone requirements.
(g)	Approved Alternatives	Not Applicable. The Permittee has not requested alternatives.
(h)	Permit Renewal for plans and specifications approved prior to March 1, 1990	Not Applicable. New pond constructed in 2021
(i)	Permit Renewal for plans and specifications approved prior to March 1, 1990	Not Applicable. New pond constructed in 2021

We appreciate the opportunity to submit this certification report to the Texas Commission on Environmental Quality. Please contact me at (979) 732-6997 or by electronic mail at [weishuhnengineering@gmail.com](mailto:weishuhnengineering@gmail.com) with questions or comments.

*Certification*

*I certify that the effluent pond detailed in this submittal was constructed to comply with the standards established in 30 TAC 217.203 and 30 TAC 309.13.*

*James W. Weishuhn*  
*9-29-2021*

James W. Weishuhn, P.E.

*F-66*



Attachments

cc: Justin Brantly, Titan PEQ  
Mike Grimland, Titan PEQ

**ATTACHMENT M**  
**FEMA Firmette Flood Map**



**ATTACHMENT N**  
**Annual Cropping Plan**



## **Attachment N**

### **Annual Cropping Plan**

Existing Vegetation (Native grasses and Common Bermuda grass) utilized for hay production are grown on the entire ten acres of the Land Application Area. The growing season is from April until October.

The irrigation area will be overseeded with Gulf Rye in September to provide for a winter grass capable of providing a water need during November thru February.

Grass will be harvested when it achieves a height of approximately 12 inches.

The grasses are harvested by cutting, drying, raking, and baling. The harvest goal is three cuts per year for a yield of approximately 30 tons of hay per year.

Nitrogen loading requirements vary significantly but range from 200 to 800 pounds per year. Laboratory analytical data estimates 35 pounds of nitrogen per crop. Titan Production Equipment, LLC does not supplement additional nitrogen or water to the land application area.

The grasses present are salt tolerant.

No supplemental watering.



*James W. Weishuhn*  
6-25-24  
F-66

**ATTACHMENT O**

**Well Location Map/Well Information**





## STATE OF TEXAS PLUGGING REPORT for Tracking #7810

Owner: **Wayne Brunner**  
Address: **5636 I-10  
Alleyton, TX 78934**  
Well Location: **5636 I-10  
Alleyton, TX 78934**  
Well County: **Colorado**

Owner Well #: **No Data**  
Grid #: **66-21-2**  
Latitude: **29° 43' 44" N**  
Longitude: **096° 26' 15" W**  
Elevation: **No Data**

Well Type: **Withdrawal of Water**

### Drilling Information

Company: **No Data**  
Driller: **No Data**

Date Drilled: **No Data**  
License Number: **No Data**

Borehole: **No Data**

### Plugging Information

Date Plugged: **7/11/2002**

Plugger: **Wayne Fleck**

Plug Method: **Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth,  
cement top 2 feet**

#### Casing Left in Well:

Dia (in.)	Top (ft.)	Bottom (ft.)
<b>4</b>	<b>2</b>	<b>140</b>

#### Plug(s) Placed in Well:

Top (ft.)	Bottom (ft.)	Description (number of sacks & material)
<b>0</b>	<b>2</b>	<b>2 Cem</b>
<b>2</b>	<b>140</b>	<b>18 Ben</b>

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: **Stetson Water Well Drilling**  
**P.O. Box 301**  
**Gonzales, TX 78629**

Driller Name: **Wayne Fleck**

License Number: **54241**

Comments: **Logged by TF**

## STATE OF TEXAS WELL REPORT for Tracking #47906

Owner:	<b>Allen Wendel</b>	Owner Well #:	<b>No Data</b>
Address:	<b>2381 Fm 949 Cat Spring, TX 78933</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>2381 Fm 949 Cat Spring, TX 78933</b>	Latitude:	<b>29° 44' 12" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 25' 01" W</b>
		Elevation:	<b>261 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/27/2004**      Drilling End Date: **9/28/2004**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>93</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>1</b>	<b>21</b>	<b>6 cement</b>

Seal Method: **concrete poured**

Distance to Property Line (ft.): **50+**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured by owner**

Surface Completion: **Pitless Adapter Used**

Water Level: **54 ft. below land surface on 2004-09-28**      Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Submersible**      Pump Depth (ft.): **85**

Well Tests: **Jetted**      Yield: **12 GPM**

Plug Information:	Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>not applicable</b>		

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>80 - 91</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc**  
**P. O. Box 131**  
**Columbus, TX 78934**

Driller Name: **Kenny Neuendorff** License Number: **2867**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>6</b>	<b>Topsoil</b>
<b>6</b>	<b>17</b>	<b>Sandy Red Clay</b>
<b>17</b>	<b>61</b>	<b>C Sand w/few Clay streaks</b>
<b>61</b>	<b>80</b>	<b>Brown &amp; White Clay w/Rock streaks</b>
<b>80</b>	<b>91</b>	<b>M Sand</b>
<b>91</b>	<b>93</b>	<b>W Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 N</b>	<b>s/40</b>	<b>pvc</b>	<b>+2 - 81</b>
<b>4 N</b>	<b>s/40</b>	<b>pvc SFSS</b>	<b>81 - 91 .008"</b>
<b>4 N</b>	<b>s/40</b>	<b>pvc</b>	<b>91 - 93</b>

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS PLUGGING REPORT for Tracking #60971

Owner: **Hugh Toepperwein**

Owner Well #: **No Data**

Address: **4861 Hwy 90  
Alleyton, TX 78935**

Grid #: **66-21-2**

Well Location: **4861 Hwy 90  
Alleyton, TX 78935**

Latitude: **29° 43' 21" N**

Longitude: **096° 26' 00" W**

Well County: **Colorado**

Elevation: **No Data**

Well Type: **Withdrawal of Water**

### Drilling Information

Company: **No Data**

Date Drilled: **No Data**

Driller: **unknown**

License Number: **No Data**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>		<b>85</b>

### Plugging Information

Date Plugged: **12/22/2009**

Plugger: **Matt Priest**

Plug Method: **Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth,  
cement top 2 feet**

Casing Left in Well:

Plug(s) Placed in Well:

<i>Dia (in.)</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>8</b>	<b>1</b>	<b>85</b>

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>1</b>	<b>20</b>	<b>10 cement</b>
<b>20</b>	<b>85</b>	<b>35 bentonite</b>

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc.**

**P. O. Box 131  
Columbus, TX 78934**

Driller Name: **Kenny Neuendorff**

License Number: **2867**

Apprentice Name: **Matt Priest**

Apprentice Number: **57583**

Comments: **No Data**



## STATE OF TEXAS WELL REPORT for Tracking #63837

Owner: **Milrid Skutca**  
Address: **4959 Hwy 90A  
Alleyton, TX 78935**  
Well Location: **4959 Hwy 90A  
Alleyton, TX 78935**  
Well County: **Colorado**

Owner Well #: **No Data**  
Grid #: **66-21-2**  
Latitude: **29° 43' 19" N**  
Longitude: **096° 25' 45" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/26/2005**

Drilling End Date: **5/31/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.5</b>	<b>0</b>	<b>10</b>
	<b>6.75</b>	<b>10</b>	<b>96</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>10</b>	
	<b>10</b>	<b>74</b>	<b>7</b>

Seal Method: **Pumped**

Distance to Property Line (ft.): **No Data**

Sealed By: **Unknown**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **taped**

Surface Completion: **Surface Slab Installed**

Water Level: **56 ft. below land surface on 2005-05-30** Measurement Method: **Unknown**

Packers: **no packers**

Type of Pump: **Submersible** Pump Depth (ft.): **80**

Well Tests: **Jetted** Yield: **30+ GPM with 0 ft. drawdown after 3 hours**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Skutca Water Well**  
**1013 Dungens Mill**  
**Columbus, TX 78934**

Driller Name: **Bennie Joe Skutca** License Number: **2704**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>top-soil</b>
<b>2</b>	<b>40</b>	<b>white &amp; yellow clay</b>
<b>40</b>	<b>60</b>	<b>sand &amp; pea-gravel</b>
<b>60</b>	<b>84</b>	<b>yellow clay</b>
<b>84</b>	<b>96</b>	<b>brown sand</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 n</b>	<b>pvc</b>	<b>0-76 #40</b>	
<b>4 n</b>	<b>pvc</b>	<b>76-96 .012</b>	

#### IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #111234

Owner: **Travis Pilsner**

Owner Well #: **No Data**

Address: **4941 Hwy 90  
Alleyton, TX 78933**

Grid #: **66-21-2**

Well Location: **4941 Hwy 90  
Alleyton, TX 78933**

Latitude: **29° 43' 23" N**

Longitude: **096° 25' 53" W**

Well County: **Colorado**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **3/19/2007**

Drilling End Date: **3/22/2007**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.5</b>	<b>0</b>	<b>10</b>
	<b>6.75</b>	<b>10</b>	<b>92</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>10</b>	

Seal Method: **hand mix**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **no septic**

Surface Completion: **Surface Slab Installed**

Water Level: **65 ft. below land surface on 2007-03-21** Measurement Method: **Unknown**

Packers: **shirt-tail 10  
rubber 53**

Type of Pump: **Submersible**

Pump Depth (ft.): **87**

Well Tests: **Jetted** Yield: **12 GPM with 0 ft. drawdown after 4 hours**



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Skutca Water Well**  
**1013 Dungens Mill**  
**Columbus, TX 78934**

Driller Name: **Bennie Joe Skutca**

License Number: **2704**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>top-soil</b>
<b>2</b>	<b>53</b>	<b>yellow clay</b>
<b>53</b>	<b>54</b>	<b>rock</b>
<b>54</b>	<b>92</b>	<b>sand</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 n</b>	<b>pvc</b>	<b>0-72</b>	<b>#40</b>
<b>4 n</b>	<b>pvc</b>	<b>72-92</b>	<b>.012</b>

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**(512) 334-5540**

## STATE OF TEXAS PLUGGING REPORT for Tracking #155934

Owner: **Headwaters Construction Materials LLC**

Owner Well #: **OP-A-0115**

Address: **2088 FM 949, Alleyton  
Alleyton, TX 78934**

Grid #: **66-21-3**

Well Location: **2088 FM 949  
Alleyton, TX 78935**

Latitude: **29° 43' 27" N**

Longitude: **096° 24' 40" W**

Well County: **Colorado**

Elevation: **280**

Well Type: **Industrial**

### Drilling Information

Company: **Neuendorff's Water**

Date Drilled: **10/25/2013**

Driller: **Kenneth Edward Neuendorff**

License Number: **2867**

### Well Report Tracking #346127

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>325</b>

### Plugging Information

Date Plugged: **2/12/2016**

Plugger: **Kenny Neuendorff**

Plug Method: **Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet**

Casing Left in Well:

Plug(s) Placed in Well:

<i>Dia (in.)</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4</b>	<b>3</b>	<b>325</b>

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>3</b>	<b>5</b>	<b>Cement 1 Bags/Sacks</b>
<b>5</b>	<b>325</b>	<b>Bentonite 1.1 Yards</b>

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Service, Inc**  
**P.O Box 131**  
**Columbus, TX 78934**

Driller Name: **Kenneth Neuendorff**

License Number: **2867**

Apprentice Name: **Bryan/Dj**

Comments: **No Data**

## STATE OF TEXAS PLUGGING REPORT for Tracking #188053

Owner: **Dustin Schramm**  
Address: **926 Sodalak Lane  
Sealy, TX 77474**  
Well Location: **2466 FM 949  
Cat Spring, TX 78933**  
Well County: **Colorado**

Owner Well #: **No Data**  
Grid #: **66-21-3**  
Latitude: **29° 43' 48" N**  
Longitude: **096° 24' 36" W**  
Elevation: **No Data**

Well Type: **Domestic**

### Drilling Information

Company: **Skutca Water Well**  
Driller: **Bennie Joe Skutca**

Date Drilled: **4/29/2019**  
License Number: **2704**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.5</b>	<b>0</b>	<b>10</b>
	<b>6.75</b>	<b>10</b>	<b>313</b>

### Plugging Information

Date Plugged: **5/1/2019**      Plugger: **Bennie Joe Skutca**  
Plug Method: **cement 0-10 8 cubic ft 10-313 bentonite and shavin**

Casing Left in Well:

Plug(s) Placed in Well:

**No Data**

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>10</b>	<b>Cement 8 Cubic Feet</b>

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: **Skutca Water Well**  
**1013 Dungens Mill**  
**Columbus, TX 78934**

Driller Name: **Bennie Joe Skutca**      License Number: **2704**

Comments: **No Data**

## STATE OF TEXAS WELL REPORT for Tracking #189991

Owner:	<b>Jose Robles</b>	Owner Well #:	<b>1</b>
Address:	<b>1407 Sundarman Road Eagle Lake, TX 77434</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>1407 Sunarman Road Eagle Lake, TX 77434</b>	Latitude:	<b>29° 44' 18" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 26' 03" W</b>
		Elevation:	<b>150 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/12/2009**

Drilling End Date: **5/14/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>170</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>130</b>	<b>170</b>	<b>Gravel</b>	<b>1/8 inch</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>10</b>	<b>5 sack cement</b>
	<b>10</b>	<b>115</b>	<b>14 sacks grout</b>
	<b>115</b>	<b>125</b>	<b>3 sack benseal</b>

Seal Method: **trimmie**

Distance to Property Line (ft.): **200+**

Sealed By: **N. Yoakley**

Distance to Septic Field or other  
concentrated contamination (ft.): **200+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **sight**

Surface Completion: **Surface Slab Installed**

Water Level: **38 ft. below land surface on 2009-06-14** Measurement Method: **Unknown**

Packers: **na**

Type of Pump: **No Data**

Well Tests: **Jetted** Yield: **60 GPM with 15 ft. drawdown after 4 hours**

Water Quality:

Strata Depth (ft.)	Water Type
130	fresh good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Terra Power Drilling**  
**9532 Fm 682**  
**Yoakum, TX 77995**

Driller Name: **Nathan Yoakley** License Number: **54752**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	20	dark clay
20	60	hard clay caliche
60	90	red clay
90	125	red and gray clay
125	170	fine, med and coarse gray sand

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6 inch	new	plastic casing	0 to 130 shedule 40
6 inch	new	plastic screen	130 to 170 .02 inch schedule 40

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## STATE OF TEXAS WELL REPORT for Tracking #193067

Owner: **John W. Schindler**

Owner Well #: **No Data**

Address: **903 Old Lake Road  
Houston, TX 77057**

Grid #: **66-21-2**

Well Location: **xxx IH-10 East S Feeder Rd  
Columbus, TX 78934**

Latitude: **29° 43' 09" N**

Longitude: **096° 25' 27" W**

Well County: **Colorado**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Stock**

Drilling Start Date: **8/26/2009**

Drilling End Date: **8/28/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>158</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>21</b>	<b>17 cement</b>

Seal Method: **concrete poured**

Distance to Property Line (ft.): **50+**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **visual - none near**

Surface Completion: **Surface Sleeve Installed**

Water Level: **59 ft. below land surface on 2009-08-28**

Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Submersible**

Pump Depth (ft.): **100**

Well Tests: **Jetted**

**Yield: 70 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>not applicable</b>		

Water Quality:

Strata Depth (ft.)	Water Type
115 - 154	good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc.**

**P. O. Box 131  
Columbus, TX 78934**

Driller Name: **Chris Jones**

License Number: **2867**

Apprentice Name: **57466**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Sandy Topsoil
2	25	Red & Tan Clay
25	85	Sand & few Tan Clay streaks
85	115	White Clay
115	154	Sand
154	158	White Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4 N s/40	pvc	+2 - 123	
4 N s/40	pvc	SFSS	123 - 153 .010"
4 N s/40	pvc	153 - 158	

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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #203187

Owner: **Hugh Toepperwein**

Owner Well #: **No Data**

Address: **4861 Hwy 90  
Alleyton, TX 78935**

Grid #: **66-21-2**

Well Location: **4861 Hwy 90  
Alleyton, TX 78935**

Latitude: **29° 43' 21" N**

Longitude: **096° 26' 00" W**

Well County: **Colorado**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Irrigation**

Drilling Start Date: **12/14/2009**

Drilling End Date: **12/17/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>165</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>21</b>	<b>14</b>

Seal Method: **concrete poured**

Distance to Property Line (ft.): **50+**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **none near - visual**

Surface Completion: **Surface Sleeve Installed**

Water Level: **80 ft. below land surface on 2009-12-17**

Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Submersible**

Pump Depth (ft.): **120**

Well Tests: **Jetted**

**Yield: 60 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>not applicable</b>		



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>120 - 136</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc.**

**P. O. Box 131  
Columbus, TX 78934**

Driller Name: **Kenny Neuendorff**

License Number: **2867**

Apprentice Name: **Chris Jones**

Apprentice Number: **57466**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>Topsoil</b>
<b>3</b>	<b>6</b>	<b>Red Clay</b>
<b>6</b>	<b>34</b>	<b>Wh &amp; Tan Clay</b>
<b>34</b>	<b>45</b>	<b>Sand</b>
<b>45</b>	<b>50</b>	<b>Tan Clay</b>
<b>50</b>	<b>80</b>	<b>Sand</b>
<b>80</b>	<b>120</b>	<b>Tan Clay</b>
<b>120</b>	<b>136</b>	<b>Sand</b>
<b>136</b>	<b>145</b>	<b>Wh Clay</b>
<b>145</b>	<b>165</b>	<b>Red &amp; Wh Clay w/Rock streaks</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 N s/40 pvc</b>	<b>+2</b>	<b>- 117</b>	
<b>4 N s/40 pvc</b>	<b>SFSS</b>	<b>117 - 137</b>	<b>.012"</b>
<b>4 N s/40 pvc</b>	<b>137 - 142</b>		

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## STATE OF TEXAS PLUGGING REPORT for Tracking #203487

Owner:	Allan Richardson	Owner Well #:	No Data
Address:	5514 Lymbar Drive Houston, TX 77096	Grid #:	66-21-2
Well Location:	1762 Frelsberg Road Alleyton, TX 78935	Latitude:	29° 43' 54.48" N
		Longitude:	096° 26' 10.68" W
Well County:	Colorado	Elevation:	308

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Well Type: Domestic

### Drilling Information

Company:	NEUENDORFF'S WATER WELL SERVICE INC	Date Drilled:	10/2/2020
Driller:	BRYAN ELLIOTT NEUENDORFF	License Number:	60140

### Well Report Tracking #557159

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	7.5	0	23
	6.75	23	205

### Plugging Information

Date Plugged: 10/3/2020      Plugger: Bryan Neuendorff

Plug Method: Filled with new well cuttings and bentonite.

Casing Left in Well:

No Data

Plug(s) Placed in Well:

Top (ft.)	Bottom (ft.)	Description (number of sacks & material)
0	10	Concrete 9 Bags/Sacks
10	205	Bentonite 10 Bags/Sacks

Certification Data: The driller certified that the driller plugged this well (or the well was plugged under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the reports(s) being returned for completion and resubmittal.

Company Information: NEUENDORFF'S WATER WELL SERVICE INC  
PO BOX 131  
COLUMBUS, TX 78934

Driller Name: Bryan Neuendorff      License Number: 60140

Comments: No Data



## STATE OF TEXAS WELL REPORT for Tracking #208337

Owner: **Hal & Maria Wesley**

Owner Well #: **No Data**

Address: **P. O. Box 85  
Pattison, TX 77466**

Grid #: **66-21-3**

Well Location: **1126 Nelson Lane  
Cat Spring, TX 78933**

Latitude: **29° 44' 13" N**

Longitude: **096° 24' 34" W**

Well County: **Colorado**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **12/29/2009**

Drilling End Date: **12/31/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>153</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>21</b>	<b>8 cement</b>

Seal Method: **concrete poured**

Distance to Property Line (ft.): **50+**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **none near yet**

Surface Completion: **Pitless Adapter Used**

Water Level: **43 ft. below land surface on 2009-12-31**

Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Submersible**

Pump Depth (ft.): **120**

Well Tests: **Jetted**

**Yield: 60 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>not applicable</b>		

Water Quality:

Strata Depth (ft.)	Water Type
123 - 148	good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc.**

**P. O. Box 131  
Columbus, TX 78934**

Driller Name: **Kenny Neuendorff**

License Number: **2867**

Apprentice Name: **Chris Jones**

Apprentice Number: **57466**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	3	Topsoil
3	8	Bn Clay
8	30	Bn & Wh Clay w/sm Sand & Rock strks
30	75	Sand w/few Bn & Wh Clay strks
75	85	Tan & Wh Clay w/few Red Clay strks
85	112	Wh Clay
112	121	Sand & Rock
121	123	Wh Clay
123	148	Sand & Rock strks
148	153	Wh Clay & Rock strks

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4 N s/40 pvc			+2 - 128
4 N s/40 pvc		SFSS	128 - 148 .008"
4 N s/40 pvc			148 - 153

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #211047

Owner:	<b>AKG</b>	Owner Well #:	<b>Heintschel #1</b>
Address:	<b>506 West 14th St. Suite B Austin, TX 78701</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>Columbus, TX</b>	Latitude:	<b>29° 44' 00" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 26' 00" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Rig Supply</b>

Drilling Start Date: **3/3/2010**

Drilling End Date: **3/3/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>4</b>	<b>0</b>	<b>150</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Alternative Procedure Used**

Water Level: **No Data**

Packers: **3 factory**

Type of Pump: **No Data**

Well Tests: **Jetted** **No Test Data Specified**



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Joe Ferguson Water Well Drilling**

**P.O. Box 1007  
Edna, TX 77957**

Driller Name: **Darrell W Ferguson**

License Number: **1804**

Apprentice Name: **Zachary J Ferguson**

Apprentice Number: **58191**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>30</b>	<b>surface soil</b>
<b>30</b>	<b>65</b>	<b>sand</b>
<b>65</b>	<b>70</b>	<b>clay</b>
<b>70</b>	<b>74</b>	<b>sand</b>
<b>74</b>	<b>77</b>	<b>clay</b>
<b>77</b>	<b>80</b>	<b>sand</b>
<b>80</b>	<b>97</b>	<b>clay</b>
<b>97</b>	<b>132</b>	<b>sand</b>
<b>132</b>	<b>135</b>	<b>clay</b>
<b>135</b>	<b>150</b>	<b>coarse sand</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4" new pvc pipe 0-110</b>			
<b>4" new commercial screens 110-150 .016</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #239958

Owner:	<b>AKG</b>	Owner Well #:	<b>Heintschel#2</b>
Address:	<b>506 West 14th St. Suite B Austin, TX 78701</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>Mentz Road TX</b>	Latitude:	<b>29° 44' 00" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 26' 01" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Rig Supply</b>

Drilling Start Date: **12/6/2010**      Drilling End Date: **12/6/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>4</b>	<b>0</b>	<b>150</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Alternative Procedure Used**

Water Level: **No Data**

Packers: **3 factory**

Type of Pump: **No Data**

Well Tests: **Jetted**      **No Test Data Specified**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Joe Ferguson Water Well Drilling**

**P.O. Box 1007  
Edna, TX 77957**

Driller Name: **Darrell W Ferguson**

License Number: **1804**

Apprentice Name: **Zachary J Ferguson**

Apprentice Number: **58191**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>30</b>	<b>surface soil</b>
<b>30</b>	<b>130</b>	<b>clay</b>
<b>130</b>	<b>150</b>	<b>coarse sand</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4"</b>	<b>new</b>	<b>pvc pipe</b>	<b>0-110</b>
<b>4"</b>	<b>new</b>	<b>commercial screens</b>	<b>110-150 .016</b>

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## STATE OF TEXAS WELL REPORT for Tracking #281129

Owner:	<b>Tornado Combustion Technologies.</b>	Owner Well #:	<b>No Data</b>
Address:	<b>4831 Hwy 90 Columbus, TX 78934</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>4831 Hwy 90 Columbus, TX 78934</b>	Latitude:	<b>29° 43' 16" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 26' 25" W</b>
		Elevation:	<b>291 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Industrial</b>

Drilling Start Date: **2/6/2012**

Drilling End Date: **2/9/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>380</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>25</b>		<b>47</b>

Seal Method: **concrete poured**

Distance to Property Line (ft.): **50+**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **visual & measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **121 ft. below land surface on 2012-02-09** Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Submersible** Pump Depth (ft.): **260**

Well Tests: **Jetted** Yield: **75 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>not applicable</b>		

Water Quality:

Strata Depth (ft.)	Water Type
<b>290 - 375</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc.**

**P. O. Box 131  
Columbus, TX 78934**

Driller Name: **Kenny Neuendorff**

License Number: **2867**

Apprentice Name: **Kyle Neuendorff**

Apprentice Number: **58491**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
<b>0</b>	<b>3</b>	<b>Topsoil</b>
<b>3</b>	<b>40</b>	<b>White Clay</b>
<b>40</b>	<b>95</b>	<b>Sand</b>
<b>95</b>	<b>130</b>	<b>Red Clay</b>
<b>130</b>	<b>140</b>	<b>Sand</b>
<b>140</b>	<b>145</b>	<b>Red Clay</b>
<b>145</b>	<b>165</b>	<b>Red Clay &amp; Sand strks</b>
<b>165</b>	<b>175</b>	<b>Red Clay &amp; Few Sand strks</b>
<b>175</b>	<b>190</b>	<b>Red &amp; Wh Clay</b>
<b>190</b>	<b>205</b>	<b>Sand</b>
<b>205</b>	<b>225</b>	<b>Sand &amp; Rock</b>
<b>225</b>	<b>226</b>	<b>Sand</b>
<b>226</b>	<b>235</b>	<b>Sand &amp; Rock strks</b>
<b>235</b>	<b>250</b>	<b>White Clay</b>
<b>250</b>	<b>265</b>	<b>White &amp; Red Clay</b>
<b>265</b>	<b>280</b>	<b>Sandy Wh Clay</b>
<b>280</b>	<b>375</b>	<b>Sand &amp; Rock strks</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>4 N s/40</b>	<b>pvc</b>	<b>+2</b>	<b>310</b>
<b>4 N s/40</b>	<b>pvc</b>	<b>SFSS</b>	<b>310 - 370 .010ö</b>
<b>4 N s/40</b>	<b>pvc</b>	<b>370 - 375</b>	

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## STATE OF TEXAS WELL REPORT for Tracking #301093

Owner:	<b>Robin Lattimore</b>	Owner Well #:	<b>No Data</b>
Address:	<b>2234 Fm 949 Alleyton, TX 78935</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>2234 Fm 949 Alleyton, TX 78935</b>	Latitude:	<b>29° 43' 47" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 25' 20" W</b>
		Elevation:	<b>290 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/28/2012**      Drilling End Date: **8/29/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>125</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>95</b>	<b>125</b>	<b>Gravel</b>	<b>.062-.125"</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>15</b>	<b>9 cement</b>

Seal Method: **concrete poured**

Distance to Property Line (ft.): **50+**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **visual - none near yet**

Surface Completion: **Surface Sleeve Installed**

Water Level: **85 ft. below land surface on 2012-08-29**      Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Submersible**      Pump Depth (ft.): **110**

Well Tests: **Pump**      Yield: **30 GPM with 6 ft. drawdown after 2 hours**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>not applicable</b>		



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>45 - 120</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc.**

**P. O. Box 131  
Columbus, TX 78934**

Driller Name: **Kenny Neuendorff**

License Number: **2867**

Apprentice Name: **Kyle Neuendorff**

Apprentice Number: **58491**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>Topsoil</b>
<b>3</b>	<b>25</b>	<b>Tan &amp; Wh Clay</b>
<b>25</b>	<b>45</b>	<b>Tan Clay</b>
<b>45</b>	<b>55</b>	<b>Course Sand</b>
<b>55</b>	<b>120</b>	<b>Pea Gravel &amp; Sand</b>
<b>120</b>	<b>125</b>	<b>White Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 N s/40 pvc</b>	<b>+2</b>	<b>- 100</b>	
<b>4 N s/40 pvc</b>	<b>SFSS</b>	<b>100 - 120</b>	<b>.012"</b>
<b>4 N s/40 pvc</b>	<b>120 - 125</b>		

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## STATE OF TEXAS WELL REPORT for Tracking #312943

Owner:	<b>Sidney Frey</b>	Owner Well #:	<b>No Data</b>
Address:	<b>1086 Frey Rd Alleyton, TX 78935</b>	Grid #:	<b>66-21-3</b>
Well Location:	<b>1086 Frey Rd Alleyton, TX 78935</b>	Latitude:	<b>29° 43' 39" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 24' 27" W</b>
		Elevation:	<b>281 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **3/4/2013**

Drilling End Date: **3/5/2013**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>141</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>0</b>	<b>23</b>	<b>8 cement</b>

Seal Method: **concrete poured**

Distance to Property Line (ft.): **50+**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured & visual**

Surface Completion: **Surface Sleeve Installed**

Water Level: **83 ft. below land surface on 2013-03-05** Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Submersible** Pump Depth (ft.): **100**

Well Tests: **Jetted** Yield: **30 GPM**

Plug Information:	Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>not applicable</b>		

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>45 - 137</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc.**

**P. O. Box 131  
Columbus, TX 78934**

Driller Name: **Kenny Neuendorff**

License Number: **2867**

Apprentice Name: **Bryan Neuendorff**

Apprentice Number: **58953**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Topsoil</b>
<b>2</b>	<b>25</b>	<b>Tan &amp; Wh Clay</b>
<b>25</b>	<b>65</b>	<b>White Clay</b>
<b>65</b>	<b>85</b>	<b>C Sand &amp; Gravel</b>
<b>85</b>	<b>137</b>	<b>Sand</b>
<b>137</b>	<b>141</b>	<b>White Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 N s/40 pvc</b>	<b>+2</b>	<b>- 107</b>	
<b>4 N s/40 pvc</b>	<b>SFSS</b>	<b>107 - 137</b>	<b>.008"</b>
<b>4 N s/40 pvc</b>	<b>137 - 141</b>		

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## STATE OF TEXAS WELL REPORT for Tracking #313265

Owner:	<b>Robin Lattimore</b>	Owner Well #:	<b>No Data</b>
Address:	<b>2224 Fm 949 Alleyton, TX 78935</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>xxx Fm 949 Alleyton, TX 78935</b>	Latitude:	<b>29° 43' 46" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 25' 15" W</b>
		Elevation:	<b>290 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **2/4/2013**

Drilling End Date: **2/6/2013**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>114</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>0</b>	<b>20</b>	<b>9 cement</b>
	<b>20</b>	<b>54</b>	<b>8 bentonite</b>

Seal Method: **Bentonite tremmied & concrete poured**

Distance to Property Line (ft.): **23**

Sealed By: **nwwsi**

Distance to Septic Field or other concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured & visual**

Surface Completion: **Surface Sleeve Installed**

Water Level: **88 ft. below land surface on 2013-02-06** Measurement Method: **Unknown**

Packers: **3 - 4 x 7 rubber funnel @ 88', 89' & 90'.**

Type of Pump: **none yet**

Well Tests: **Jetted** Yield: **5 GPM**

Plug Information:	Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>not applicable</b>		

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>54 - 110</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc.**

**P. O. Box 131  
Columbus, TX 78934**

Driller Name: **Kenny Neuendorff**

License Number: **2867**

Apprentice Name: **Bryan Neuendorff**

Apprentice Number: **58953**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>5</b>	<b>Or Clay</b>
<b>5</b>	<b>25</b>	<b>R &amp; Wh clay</b>
<b>25</b>	<b>54</b>	<b>Wh Clay</b>
<b>54</b>	<b>110</b>	<b>Sand</b>
<b>110</b>	<b>114</b>	<b>Tan &amp; Wh Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 N s/40 pvc</b>	<b>+2</b>	<b>- 90</b>	
<b>4 N s/40 pvc</b>	<b>Johnson WOP</b>	<b>90 - 110</b>	<b>.010"</b>
<b>4 N s/40 pvc</b>	<b>110 - 114</b>		

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #332504

Owner: **Justin Eschenburg**

Owner Well #: **1**

Address: **2190 FM 949  
Alleytown, TX 78935**

Grid #: **66-21-2**

Well Location: **2190 FM 949  
Alleytown, TX 78935**

Latitude: **29° 43' 40" N**

Longitude: **096° 25' 11" W**

Well County: **Colorado**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/9/2007**

Drilling End Date: **10/9/2007**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>117</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>10</b>	<b>4 cement</b>

Seal Method: **hand mix**

Distance to Property Line (ft.): **100**

Sealed By: **J.R. Davis**

Distance to Septic Field or other  
concentrated contamination (ft.): **110**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **80 ft. below land surface on 2007-10-09**

Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**

Pump Depth (ft.): **105**

Well Tests: **Pump**

**No Test Data Specified**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>117</b>	<b>fresh</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information:

Driller Name: **Jimmy Ray Davis**

License Number: **3251**

Comments: **^CLH**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>4</b>	<b>surface soil</b>
<b>4</b>	<b>35</b>	<b>red &amp; gray clay</b>
<b>35</b>	<b>50</b>	<b>sand</b>
<b>50</b>	<b>85</b>	<b>shale</b>
<b>85</b>	<b>117</b>	<b>coarse water sand &amp; gravel</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 n</b>	<b>pvc</b>	<b>certainteed</b>	<b>0-97 40</b>
<b>4 n</b>	<b>pvc</b>	<b>slotted</b>	<b>97-117 .013</b>

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## STATE OF TEXAS WELL REPORT for Tracking #333644

Owner: **Bennie Polasch**  
Address: **1924 Frelsburg Rd  
Columbus, TX 78931**  
Well Location: **1924 Frelsburg Rd  
Columbus, TX**  
Well County: **Colorado**

Owner Well #: **1**  
Grid #: **66-21-2**  
Latitude: **29° 43' 53" N**  
Longitude: **096° 25' 31" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/10/2011** Drilling End Date: **11/15/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.5</b>	<b>0</b>	<b>10</b>
	<b>7.25</b>	<b>10</b>	<b>350</b>

Drilling Method:

Borehole Completion:

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>10</b>	<b>12 concrete</b>

Seal Method: **surface ind**

Distance to Property Line (ft.): **750**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **tapes**

Surface Completion: **Alternative Procedure Used**

Water Level: **110 ft. below land surface on 2011-11-15** Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible** Pump Depth (ft.): **200**

Well Tests: **Jetted** Yield: **40 GPM**



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>290-330</b>	<b>fresh</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **Unknown**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Austin County Water Well Service, Inc.**

Driller Name: **Charles D. McDowell**

License Number: **1874**

Comments: **^km**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>top soil</b>
<b>3</b>	<b>78</b>	<b>red clay</b>
<b>78</b>	<b>91</b>	<b>sand</b>
<b>91</b>	<b>290</b>	<b>yellow &amp; red clay w/sandstones</b>
<b>290</b>	<b>330</b>	<b>sandstone &amp; sand</b>
<b>330</b>	<b>350</b>	<b>yellow &amp; grey shale</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4</b>	<b>new</b>	<b>pvc</b>	<b>0-290 40</b>
<b>4</b>	<b>new</b>	<b>slotted</b>	<b>290-332 .010</b>

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #346127

Owner: **Headwaters Construction Materials LLC** Owner Well #: **OP-A-0115**  
Address: **2088 FM 949, Alleyton  
Alleyton, TX 78934** Grid #: **66-21-3**  
Well Location: **2088 FM 949  
Alleyton, TX 78935** Latitude: **29° 43' 27" N**  
Well County: **Colorado** Longitude: **096° 24' 40" W**  
Elevation: **280 ft. above sea level**

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #155934**

Type of Work: **New Well**

Proposed Use: **Industrial**

Drilling Start Date: **10/21/2013** Drilling End Date: **10/25/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>325</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>15</b>	<b>10 cement</b>

Seal Method: **concrete poured**

Distance to Property Line (ft.): **50+**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **visual**

Surface Completion: **Surface Sleeve Installed**

Water Level: **82 ft. below land surface on 2013-10-21** Measurement Method: **Unknown**

Packers: **6 - 4 x 7 rubber funnel @ 164', 165', 199', 200', 299' & 300'.**

Type of Pump: **none yet**

Well Tests: **Unknown** Yield: **147 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	good

Chemical Analysis Made: **No**Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water**  
**P. O. Box 131**  
**Columbus, TX 78934**

Driller Name: **Kenny Neuendorff**License Number: **2867**Apprentice Name: **Kyle Neuendorff**Apprentice Number: **58491**Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	3	Concrete Rubble & Fill
3	25	Bn & Wh Clay
25	40	Sand & Rock strks
40	70	Wh Clay & Sand strks
70	100	Sand & Gravel
100	115	Wh Clay & Sand strks
115	130	Tan Clay
130	145	Sand & Wh Clay strks
145	165	Tan Clay & Rock strks
165	185	Sand
185	200	Tan Clay
200	230	Sand
230	235	Tan & Wh Clay
235	250	Tan & Wh Clay w/ sm Sand strks
250	295	Tan & Wh Clay
295	300	Tan Clay
300	320	Sand

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4 N s/40 pvc			+2 - 165
4 N s/40 pvc		SFSS	165 - 185 .012"
4 N s/40 pvc			185 - 200
4 N s/40 pvc		SFSS	200 - 230 .012"
4 N s/40 pvc			230 - 300
4 N s/40 pvc		SFSS	300 - 320 .010"
4 N s/40 pvc			320 - 325

320	325	Tan Clay
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## STATE OF TEXAS WELL REPORT for Tracking #347746

Owner:	<b>Alvin &amp; Lisa Pavlicek</b>	Owner Well #:	<b>No Data</b>
Address:	<b>P. O. Box 234 Schulenburg, TX 78956</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>xxx FM 949 Alleyton, TX 78934</b>	Latitude:	<b>29° 44' 04" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 25' 02" W</b>
		Elevation:	<b>268 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **10/25/2013**      Drilling End Date: **10/28/2013**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>145</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>0</b>	<b>15</b>	<b>11</b>

Seal Method: **concrete poured**

Distance to Property Line (ft.): **50+**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **visual**

Surface Completion: **Surface Sleeve Installed**

Water Level: **54 ft. below land surface on 2013-10-28**      Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **none yet**

Well Tests: **Jetted**      **No Test Data Specified**

Plug Information:	Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>not applicable</b>		

Water Quality:

Strata Depth (ft.)	Water Type
<b>120' - 140'</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Svc., Inc.**

**P. O. Box 131  
Columbus, TX 78934**

Driller Name: **Kenny Neuendorff**

License Number: **2867**

Apprentice Name: **Kyle Neuendorff**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
<b>0</b>	<b>15</b>	<b>Topsoil &amp; Red Clay</b>
<b>15</b>	<b>70</b>	<b>Sand</b>
<b>70</b>	<b>100</b>	<b>White Clay</b>
<b>100-120</b>		<b>White Clay w/few Sand strks</b>
<b>120</b>	<b>140</b>	<b>Sand</b>
<b>140</b>	<b>145</b>	<b>White Clay</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>4 N s/40</b>	<b>pvc</b>	<b>+2</b>	<b>120</b>
<b>4 N s/40</b>	<b>Johnson WOP</b>	<b>120</b>	<b>140 .010ö</b>
<b>4 N s/40</b>	<b>pvc</b>	<b>140 - 145</b>	

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## STATE OF TEXAS WELL REPORT for Tracking #397419

Owner:	<b>Roger Pilsner</b>	Owner Well #:	<b>No Data</b>
Address:	<b>4977 HWY 90 Alleyton, TX 78935</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>4977 HWY 90 Alleyton, TX 78935</b>	Latitude:	<b>29° 43' 22" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 25' 39" W</b>
		Elevation:	<b>266 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **6/10/2015**      Drilling End Date: **6/11/2015**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>100</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>0</b>	<b>15</b>	<b>5</b>

Seal Method: **Concrete Poured**

Distance to Property Line (ft.): **50**

Sealed By: **nwwsi**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **60 ft. below land surface on 2015-06-11**      Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Submersible**      Pump Depth (ft.): **80**

Well Tests: **Jetted**      Yield: **25 GPM**

Plug Information:	Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>NA</b>		

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>40-97</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Service, Inc.**

**P.O Box 131  
Columbus, TX 78934**

Driller Name: **Kenneth Neuendorff**

License Number: **2867**

Apprentice Name: **Bryan - Dj**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Topsoil</b>
<b>2</b>	<b>40</b>	<b>Tan &amp; White Clay</b>
<b>40</b>	<b>97</b>	<b>Sand</b>
<b>97</b>	<b>100</b>	<b>White Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 N</b>	<b>pvc</b>	<b>s/40 +2 - 77</b>	
<b>4 N</b>	<b>GCSS</b>	<b>77 - 97 .010</b>	
<b>4 N</b>	<b>pvc</b>	<b>s/40 97 - 100</b>	

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## STATE OF TEXAS WELL REPORT for Tracking #415906

Owner:	<b>Headwaters Construction Materials LLC</b>	Owner Well #:	<b>OP-A-0115</b>
Address:	<b>2088 FM 949 Alleyton, TX 78935</b>	Grid #:	<b>66-21-3</b>
Well Location:	<b>2088 FM 949 Alleyton, TX 78935</b>	Latitude:	<b>29° 43' 24.38" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 24' 39.55" W</b>
		Elevation:	<b>279 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Industrial</b>

Drilling Start Date: **2/8/2016**

Drilling End Date: **2/12/2016**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>325</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>0</b>	<b>20</b>	<b>Concrete 52 Bags/Sacks</b>

Seal Method: **Poured**

Distance to Property Line (ft.): **100+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **100+**

Method of Verification: **Visual**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level:	<b>92 ft. below land surface on 2016-02-12</b>	Measurement Method:	<b>Steel Tape</b>
Packers:	<b>Rubber at 190 ft. Rubber at 300 ft.</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>160</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>100+ GPM</b>

Water Quality:

Strata Depth (ft.)	Water Type
160 - 175	Good
190 - 205	Good
300 - 320	Good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

**The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Service, Inc**

**P.O Box 131  
Columbus, TX 78934**

Driller Name: **Kenneth Neuendorff**

License Number: **2867**

Apprentice Name: **Bryan - Dj**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	Hard Road Base
2	40	Tan & White Clay
40	130	Sand
130	160	Orange & White Clay
160	175	Sand
175	190	Tan & White Clay
190	205	Sand
205	220	Tan & White Clay
220	250	White Clay W/ sand Strks
250	300	Brown & White Clay
300	319	Sand
319	325	Brown & White Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4	Blank	New Plastic (PVC)	40	-2	160
4	Screen	New Plastic (PVC)	40 0.012	160	175
4	Blank	New Plastic (PVC)	40	175	190
4	Screen	New Plastic (PVC)	40 0.012	190	205
4	Blank	New Plastic (PVC)	40	205	300
4	Screen	New Plastic (PVC)	40 10	300	320
4	Blank	New Plastic (PVC)	40	320	325

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #438524

Owner:	<b>Britni Kotrla</b>	Owner Well #:	<b>No Data</b>
Address:	<b>2271 FM 949 Cat Spring, TX 78933</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>2271 FM 949 Cat Spring, TX 78933</b>	Latitude:	<b>29° 43' 58.9" N</b>
Well County:	<b>Colorado</b>	Longitude:	<b>096° 25' 29.04" W</b>
		Elevation:	<b>299 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/3/2016**      Drilling End Date: **11/11/2016**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>335</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>15</b>	<b>Concrete 12 Bags/Sacks</b>

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **visual**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **128 ft. below land surface on 2016-11-11**      Measurement Method: **Steel Tape**

Packers: **No Data**

Type of Pump: **Set By Tipp Water Well**

Well Tests: **Jetted**      **Yield: 80 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>291 - 331</b>	<b>Good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Service, Inc**

**P.O Box 131  
Columbus, TX 78934**

Driller Name: **Kenneth Neuendorff**

License Number: **2867**

Apprentice Name: **Bryan Neuendorff**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Top Soil</b>
<b>2</b>	<b>40</b>	<b>White &amp; Tan Clay</b>
<b>40</b>	<b>98</b>	<b>Sand</b>
<b>98</b>	<b>104</b>	<b>White Clay</b>
<b>104</b>	<b>112</b>	<b>Sand</b>
<b>112</b>	<b>133</b>	<b>White Clay</b>
<b>133</b>	<b>138</b>	<b>Sand</b>
<b>138</b>	<b>165</b>	<b>White Clay</b>
<b>165</b>	<b>245</b>	<b>White &amp; Yellow Clay &amp; Shale</b>
<b>245</b>	<b>265</b>	<b>White &amp; Red Clay</b>
<b>265</b>	<b>295</b>	<b>Yellow, Brown, Red, White Clay &amp; Shale</b>
<b>295</b>	<b>310</b>	<b>Sand</b>
<b>310</b>	<b>318</b>	<b>Yellow &amp; Brown Clay</b>
<b>318</b>	<b>330</b>	<b>Sand</b>
<b>330</b>	<b>335</b>	<b>Yellow &amp; Brown Clay</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>40</b>	<b>-2</b>	<b>291</b>
<b>4</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>40 0.010</b>	<b>291</b>	<b>331</b>
<b>4</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>40</b>	<b>331</b>	<b>335</b>

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #514922

Owner: **Dustin Schramm**

Owner Well #: **No Data**

Address: **926 Sodalak lane  
Sealy, TX 77474**

Grid #: **66-21-3**

Well Location: **2466 FM949  
Cat Spring, TX 78933**

Latitude: **29° 43' 48" N**

Longitude: **096° 24' 36" W**

Well County: **Colorado**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/1/2019**

Drilling End Date: **5/9/2019**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.5</b>	<b>0</b>	<b>10</b>
	<b>6.75</b>	<b>10</b>	<b>137</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>10</b>	<b>Cement 6 Cubic Feet</b>
	<b>10</b>	<b>117</b>	<b>Bentonite 1.5 Yards</b>

Seal Method: **Hand Mixed**

Distance to Property Line (ft.): **200+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **no septic**

Distance to Septic Tank (ft.): **no septic**

Method of Verification: **visual**

Surface Completion: **Surface Slab Installed**

**Surface Completion by Driller**

Water Level: **51 ft. below land surface on 2019-05-08**

Measurement Method: **Weighted Line**

Packers: **Paper at 10 ft.  
Rubber at 100 ft.**

Type of Pump: **Submersible**

Pump Depth (ft.): **100**

Well Tests: **Jetted**

**Yield: 30+ GPM with 0 ft. drawdown after 4 hours**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>117 - 137</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Skutca Water Well**  
**1013 Dungens Mill**  
**Columbus, TX 78934**

Driller Name: **Bennie Joe Skutca**

License Number: **2704**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>top-soil</b>
<b>2</b>	<b>30</b>	<b>yellow clay</b>
<b>30</b>	<b>35</b>	<b>sand</b>
<b>35</b>	<b>60</b>	<b>yellow clay</b>
<b>60</b>	<b>100</b>	<b>clay and sand</b>
<b>100</b>	<b>101</b>	<b>rock</b>
<b>101</b>	<b>137</b>	<b>sand</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>40 40</b>	<b>0</b>	<b>117</b>
<b>4</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>40 0.010</b>	<b>117</b>	<b>137</b>

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## STATE OF TEXAS WELL REPORT for Tracking #552585

Owner:	Heather Krumrey	Owner Well #:	No Data
Address:	1812 Frelsburg Road Cat Spring , TX 78933	Grid #:	66-21-2
Well Location:	1812 Frelsburg Road Cat Spring, TX 78933	Latitude:	29° 44' 12.99" N
Well County:	Colorado	Longitude:	096° 25' 55.84" W
		Elevation:	287 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 7/20/2020 Drilling End Date: 7/21/2020

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	7.5	0	23
	6.75	23	125

Drilling Method: Mud (Hydraulic) Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	15	Concrete 8 Bags/Sacks

Seal Method: Poured

Sealed By: Driller

Distance to Property Line (ft.): 50+

Distance to Septic Field or other  
concentrated contamination (ft.): 100+

Distance to Septic Tank (ft.): 50+

Method of Verification: Visual

Surface Completion: Surface Sleeve Installed

Surface Completion by Driller

Water Level:	65 ft. below land surface on 2020-07-21	Measurement Method:	Weighted Line
Packers:	No Data		
Type of Pump:	Submersible	Pump Depth (ft.):	100
Well Tests:	Jetted	Yield:	60 GPM

Water Quality:

Strata Depth (ft.)	Water Type
104 - 123	Good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **NEUENDORFF'S WATER WELL SERVICE INC**  
**PO BOX 131**  
**COLUMBUS, TX 78934**

Driller Name: **Bryan Neuendorff**

License Number: **60140**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	Sandy Topsoil
2	10	Tan & Red Clay
10	26	Tan & White Clay
26	45	Sand & Gravel
45	74	Sand
74	104	Tan & White Clay
104	123	Sand
123	125	White Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4	Blank	New Plastic (PVC)	40	-2	101
4	Screen	New Plastic (PVC)	40 0.008	101	121
4	Blank	New Plastic (PVC)	40	121	125

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## STATE OF TEXAS WELL REPORT for Tracking #557158

Owner:	David Pilsner	Owner Well #:	No Data
Address:	4947 Highway 90 Alleyton, TX 78935	Grid #:	66-21-2
Well Location:	4947 Highway 90 Alleyton, TX 78935	Latitude:	29° 43' 25" N
Well County:	Colorado	Longitude:	096° 25' 37" W
		Elevation:	266 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 10/2/2020 Drilling End Date: 10/2/2020

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	7.5	0	23
	6.75	23	105

Drilling Method: Mud (Hydraulic) Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	15	Concrete 9 Bags/Sacks

Seal Method: Poured

Sealed By: Driller

Distance to Property Line (ft.): 100+

Distance to Septic Field or other  
concentrated contamination (ft.): 100+

Distance to Septic Tank (ft.): 50+

Method of Verification: Visual

Surface Completion: Surface Sleeve Installed

Surface Completion by Driller

Water Level:	63 ft. below land surface on 2020-10-02	Measurement Method:	Weighted Line
Packers:	No Data		
Type of Pump:	Submersible	Pump Depth (ft.):	80
Well Tests:	Jetted	Yield:	60 GPM

Water Quality:

Strata Depth (ft.)	Water Type
35 - 103	Good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **NEUENDORFF'S WATER WELL SERVICE INC**  
**PO BOX 131**  
**COLUMBUS, TX 78934**

Driller Name: **Bryan Neuendorff**

License Number: **60140**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	Top Soil
2	5	Sandy Tan Clay
5	35	White Clay
35	45	Sand
45	65	Coarse Sand & Gravel
65	85	Sand
85	102	Coarse Sand
102	105	White Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4	Blank	New Plastic (PVC)	40	-2	81
4	Screen	New Plastic (PVC)	40 0.008	81	101
4	Blank	New Plastic (PVC)	40	101	105

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**Austin, TX 78711**  
**(512) 334-5540**

# STATE OF TEXAS WELL REPORT for Tracking #557159

Owner: **Allan Richardson** Owner Well #: **No Data**  
Address: **5514 Lymbar Drive** Grid #: **66-21-2**  
**Houston, TX 77096**  
Well Location: **1762 Frelsberg Road** Latitude: **29° 43' 54.48" N**  
**Alleyton, TX 78935** Longitude: **096° 26' 10.68" W**  
Well County: **Colorado** Elevation: **308 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #203487**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **9/29/2020**

Drilling End Date: **10/2/2020**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>7.5</b>	<b>0</b>	<b>23</b>
<b>6.75</b>	<b>23</b>	<b>205</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>10</b>	<b>Concrete 9 Bags/Sacks</b>

Seal Method: **Poured**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Visual**

Surface Completion: **Plugged**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Plug Information:

<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>Cement</b>	<b>0</b>	<b>10</b>
<b>Bentonite</b>	<b>10</b>	<b>205</b>

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **NEUENDORFF'S WATER WELL SERVICE INC**  
**PO BOX 131**  
**COLUMBUS, TX 78934**

Driller Name: **Bryan Neuendorff**License Number: **60140**Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Top Soil
2	5	Sandy White Clay
5	25	White Clay
25	30	Tan & White Clay
30	45	Sand
45	65	Coarse Sand & Gravel w/ Tan Clay
65	90	Sand
90	102	White Clay
102	120	Sand
120	125	Red Clay
125	135	Red & White Shale
135	144	White & Red Clay
144	145	Sand
145	165	White & Red Clay
165	180	Red & White Clay
180	185	Sand & Shale (red & white)
185	205	Red & White Shale

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #557163

Owner:	Allan Richardson	Owner Well #:	No Data
Address:	5514 Lymbar Drive Houston, TX 77096	Grid #:	66-21-2
Well Location:	1762 Frelsburg Road Alleyton, TX 78935	Latitude:	29° 43' 54.47" N
Well County:	Colorado	Longitude:	096° 26' 10.71" W
		Elevation:	307 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 10/3/2020      Drilling End Date: 10/5/2020

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	7.5	0	23
	6.75	23	125

Drilling Method: Mud (Hydraulic) Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	15	Concrete 9 Bags/Sacks

Seal Method: Poured

Sealed By: Driller

Distance to Property Line (ft.): 50+

Distance to Septic Field or other  
concentrated contamination (ft.): 100+

Distance to Septic Tank (ft.): 50+

Method of Verification: Visual

Surface Completion: Surface Sleeve Installed

Surface Completion by Driller

Water Level:	75 ft. below land surface on 2020-10-05	Measurement Method:	Weighted Line
Packers:	No Data		
Type of Pump:	Submersible	Pump Depth (ft.):	100
Well Tests:	Jetted	Yield:	50 GPM
	Pump	Yield:	30 GPM



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>102 - 121</b>	<b>Good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **NEUENDORFF'S WATER WELL SERVICE INC**  
**PO BOX 131**  
**COLUMBUS, TX 78934**

Driller Name: **Bryan Neuendorff** License Number: **60140**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Top Soil</b>
<b>2</b>	<b>5</b>	<b>Sandy White Clay</b>
<b>5</b>	<b>25</b>	<b>White Clay</b>
<b>25</b>	<b>30</b>	<b>Tan &amp; White Clay</b>
<b>30</b>	<b>45</b>	<b>Sand</b>
<b>45</b>	<b>65</b>	<b>Coarse Sand &amp; Gravel</b>
<b>65</b>	<b>85</b>	<b>Sand</b>
<b>85</b>	<b>102</b>	<b>White Clay</b>
<b>102</b>	<b>121</b>	<b>Sand</b>
<b>121</b>	<b>125</b>	<b>Tan &amp; White Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>40</b>	<b>-2</b>	<b>100</b>
<b>4</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>40 0.008</b>	<b>100</b>	<b>120</b>
<b>4</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>40</b>	<b>120</b>	<b>125</b>

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #576049

Owner:	Don Shaw	Owner Well #:	No Data
Address:	2509 Friuli Circle Leander, TX 78641	Grid #:	66-21-2
Well Location:	XXX Frelsberg Road columbus, TX 78934	Latitude:	29° 43' 44" N
Well County:	Colorado	Longitude:	096° 26' 23.77" W
		Elevation:	280 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 6/10/2021      Drilling End Date: 6/11/2021

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	7.5	0	190

Drilling Method: Mud (Hydraulic) Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	12	Cement 9 Bags/Sacks

Seal Method: Hand Mixed

Sealed By: Driller

Distance to Property Line (ft.): 50

Distance to Septic Field or other  
concentrated contamination (ft.): 100

Distance to Septic Tank (ft.): 50

Method of Verification: Wheel

Surface Completion: Surface Sleeve Installed

Surface Completion by Driller

Water Level:	78 ft. below land surface on 2021-06-11	Measurement Method:	Weighted Line
Packers:	No Data		
Type of Pump:	Submersible	Pump Depth (ft.):	140
Well Tests:	Jetted	Yield:	20 GPM

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>165 - 185</b>	<b>Clear</b>

Chemical Analysis Made: **No**Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Texas Southern Drilling**  
**448 West 19th Street #161**  
**Houston, TX 77008**

Driller Name: **Kyle Neuendorff**License Number: **60145**Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>Top Soild</b>
<b>3</b>	<b>25</b>	<b>White Clay</b>
<b>25</b>	<b>45</b>	<b>Tan Clay</b>
<b>45</b>	<b>85</b>	<b>Sand and Gravel</b>
<b>85</b>	<b>125</b>	<b>White Clay and Sand Mix</b>
<b>125</b>	<b>145</b>	<b>Brown Clay w/ Few Sand Stks</b>
<b>145</b>	<b>155</b>	<b>Brown Clay</b>
<b>155</b>	<b>165</b>	<b>Rock And Sand Stks</b>
<b>165</b>	<b>185</b>	<b>Sand and Rock Stks</b>
<b>185</b>	<b>190</b>	<b>Brown Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4</b>	<b>Blank</b>	<b>Plastic (PVC)</b>	<b>40</b>	<b>-2</b>	<b>165</b>
<b>4</b>	<b>Screen</b>	<b>Plastic (PVC)</b>	<b>40 0.008</b>	<b>165</b>	<b>185</b>
<b>4</b>	<b>Blank</b>	<b>Plastic (PVC)</b>	<b>40</b>	<b>185</b>	<b>190</b>

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #577708

Owner:	<b>Pete Kenny</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3340 Precinct Line Road Richmond, TX 77406</b>	Grid #:	<b>66-21-2</b>
Well Location:	<b>XXXX Frelsberg Road Alleyton, TX 78935</b>	Latitude:	<b>29° 43' 39.68" N</b>
		Longitude:	<b>096° 26' 33.75" W</b>
Well County:	<b>Colorado</b>	Elevation:	<b>293 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **6/23/2021**      Drilling End Date: **6/24/2021**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>23</b>
	<b>6.75</b>	<b>23</b>	<b>174</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>10</b>	<b>Concrete 8 Bags/Sacks</b>

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Visual**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level:	<b>99 ft. below land surface on 2021-06-24</b>	Measurement Method:	<b>Weighted Line</b>
Packers:	<b>No Data</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>140</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>30 GPM</b>

Water Quality:

Strata Depth (ft.)	Water Type
150 - 170	Good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Neuendorff's Water Well Service, Inc.**

**PO BOX 131  
COLUMBUS, TX 78934**

Driller Name: **Bryan Neuendorff**

License Number: **60140**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	1	Sandy Top Soil
1	18	Tan & White Clay
18	70	Sand
70	78	White Clay
78	85	Sand
85	98	White Clay
98	114	Sand
114	125	White & Red Clay
125	143	Sand & Rock
143	150	Red Clay
150	170	Sand & Rock
170	174	Red & White Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4	Blank	New Plastic (PVC)	40	-2	134
4	Screen	New Plastic (PVC)	40 0.008	134	144
4	Blank	New Plastic (PVC)	40	144	150
4	Screen	New Plastic (PVC)	40 0.008	150	170
4	Blank	New Plastic (PVC)	40	170	174

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**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**





Texas Water Development Board  
Well Schedule

groundwater resources



State Well Number: **66-21-206** Previous Well Number: County: **Colorado** **89**

Latitude (dms): **294334** Longitude (dms): **962525** Coordinate Accuracy: **Global Positioning System - GPS**

River Basin: **Brazos-Colorado Rivers** GMA: **15** RWPA: **K** GCD: **Colorado County GCD**

Owner: **Exterran Energy Solutions** Driller: **Neuendorff's Water Well Service, Inc.** Aquifer ID: **Gulf Coast**  
Aquifer Code: **112CHCT**

Depth (ft): **318** Elevation (ft): **279** **CHICOT**  
**AQUIFER**

Source of Depth: **Driller's Log** Source of Elevation: **Digital Elevation Model -DEM**

Date Drilled: **07/11/1995** Well Type: **Withdrawal of Water**

Type of Lift: **Submersible Pump** Power: **Electric Motor** Horsepower:

Construction: **Hydraulic Rotary** Completion: **Screen**

Casing Material: **Galvanized** Screen Material: **Stainless Steel**

CASING INTERVALS:  
Casing/Blank Pipe (C)  
Well Screen/Slotted Zone (S)  
Open Hole (O)

	Dia. (in.)	Top (ft.)	Bottom (ft.)
C	6	0	297
C	4	288	298
S	4	298	317
C	4	317	318

WATER USE

Primary: **Public Supply** Secondary: Tertiary:

Water Levels: **Miscellaneous Measurements** Water Quality: **N**

1 measurement  
1995  
-98

Other Data: **C** Logs: **D**

REMARKS:

Owners well #1. PWS ID #0450040A.  
Reported yield 50 GPM with 83 feet  
drawdown after pumping 36 hours in  
1995. Specific capacity 0.6 GPM/ft.  
Cemented from 0 to 297 feet. Well  
originally drilled for Hanover  
Smith, Inc. (Columbus Plant).

Reporting Agency: **TWC/TNRCC/TCEQ**

Date Collected or Reported: **02/14/2011**

Recorded by: D.R. Jones

New

<b>ATTENTION OWNER: Confidentiality</b> Privilege Notice on Reverse Side		<b>State of Texas</b> <b>WELL REPORT</b>		Texas Water Well Drillers Advisory Council P.O. Box 13087 Austin, TX 78711-3087 512-238-0530																																	
1) OWNER <u>HANOVER INDUSTRIES</u> ADDRESS <u>Rt 2 Box 179 Alton, Tx 78935</u> <small>(Name) (Street or RFD) (City) (State) (Zip)</small>																																					
2) ADDRESS OF WELL: County <u>COLORADO</u> <u>Rt 2 Box 179 Alton, Texas 78935</u> STATE WELL # <u>66-21-2</u> <small>(Street or RFD) (City) (State) (Zip)</small>																																					
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Monitor <input type="checkbox"/> Environmental Soil Boring <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Irrigation <input type="checkbox"/> Injection <input checked="" type="checkbox"/> Public Supply <input type="checkbox"/> De-watering <input type="checkbox"/> Testwell If Public Supply well, were plans submitted to the TNRCC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		WELL 66-21-2 N																																	
6) WELL LOG: Date Drilling: _____ Started <u>7-5</u> 19 <u>95</u> Completed <u>7-11</u> 19 <u>95</u>		7) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Air Hammer <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jetted <input type="checkbox"/> Other _____																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">DIAMETER OF HOLE</th> </tr> <tr> <th>Dia. (in.)</th> <th>From (ft.)</th> <th>To (ft.)</th> </tr> <tr> <td>8 3/4</td> <td>Surface</td> <td>298</td> </tr> <tr> <td>6"</td> <td>298</td> <td>318</td> </tr> </table>		DIAMETER OF HOLE				Dia. (in.)	From (ft.)	To (ft.)	8 3/4	Surface	298	6"	298	318																							
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From (ft.)	To (ft.)	Description and color of formation material																																			
0-8	8	ROADBASE + OR BAY CLAY																																			
8-26	26	W+R CLAY + GRAVEL																																			
26-51	51	SAND																																			
51-55	55	Y+W CLAY																																			
55-108	108	SAND + FINE GRAVEL W/ ROCK STRKS																																			
108-162	162	W+P CLAY																																			
162-169	169	SAND + ROCK STRKS																																			
169-297	297	R+W CLAY																																			
297-316	316	SAND + ROCK STRKS																																			
316-318	318	Y CLAY																																			
		CASING, BLANK PIPE, AND WELL SCREEN DATA:																																			
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">Dia. (in.)</th> <th rowspan="2">New or Used</th> <th rowspan="2">Steel Plastic, etc. Perforated, Slotted, etc. Screen Mfg., if commercial</th> <th colspan="2">Setting (ft.)</th> <th rowspan="2">Gage Casting Screen</th> </tr> <tr> <th>From</th> <th>To</th> </tr> <tr> <td>6</td> <td>N</td> <td>540 PVC</td> <td>+3</td> <td>297</td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>GALV S/40</td> <td>288</td> <td>298</td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>STAINLESS - HANOVERS</td> <td>298</td> <td>317</td> <td>016</td> </tr> <tr> <td>4</td> <td>N</td> <td>GALV S/40</td> <td>317</td> <td>318</td> <td></td> </tr> </table>				Dia. (in.)	New or Used	Steel Plastic, etc. Perforated, Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen	From	To	6	N	540 PVC	+3	297		4	N	GALV S/40	288	298		4	N	STAINLESS - HANOVERS	298	317	016	4	N	GALV S/40	317	318	
Dia. (in.)	New or Used	Steel Plastic, etc. Perforated, Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen																																
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4	N	GALV S/40	317	318																																	
		9) CEMENTING DATA [Rule 338.44(1)] Cemented from <u>0</u> ft. to <u>297</u> ft. No. of sacks used <u>66</u> Method used <u>HALIBURTON PRESSURE</u> Cemented by <u>NUINW51</u> Distance to septic system field lines <u>150 ft.</u> Method of verification of above distance <u>MEASURED</u> <u>(SANITARY CONTROL MEASUREMENT IN AREA)</u>																																			
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowl, cylinder, jet, etc., <u>260 ft.</u>		10) SURFACE COMPLETION <input checked="" type="checkbox"/> Specified Surface Slab Installed [Rule 338.44(2)(A)] <input type="checkbox"/> Specified Steel Sleeve Installed [Rule 338.44(3)(A)] <input type="checkbox"/> Pitless Adapter Used [Rule 338.44(3)(b)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 338.71]																																			
14) WELL TESTS: Type test: <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailer <input type="checkbox"/> Jetted <input type="checkbox"/> Estimated Yield: <u>50</u> gpm with <u>83</u> ft. drawdown after <u>36</u> hrs.		11) WATER LEVEL: Static level <u>98</u> ft. below land surface Date <u>7-11-95</u> Artesian flow _____ gpm. Date _____																																			
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		12) PACKERS: <u>RUBBER EXPANDABLE</u> <u>4" X 6" @ 288'</u>																																			
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.																																					
COMPANY NAME <u>Huendorff's Water Well Svc Inc</u> WELL DRILLER'S LICENSE NO. <u>2867</u> <small>(Type or print)</small>																																					
ADDRESS <u>P.O. Box 131 Columbus, Tx 78934</u> <small>(Street or RFD) (City) (State) (Zip)</small>																																					
(Signed) <u>James Huendorff</u> <small>(Licensed Well Driller)</small>		(Signed) _____ <small>(Registered Driller Trainee)</small>																																			
Please attach electric log, chemical analysis, and other pertinent information, if available.																																					

[GWDB Reports and Downloads](#)
[Well Basic Details](#)
[Scanned Documents](#)

State Well Number	6621206
County	Colorado
River Basin	Brazos-Colorado
Groundwater Management Area	15
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Colorado County GCD
Latitude (decimal degrees)	29.726111
Latitude (degrees minutes seconds)	29° 43' 34" N
Longitude (decimal degrees)	-96.423611
Longitude (degrees minutes seconds)	096° 25' 25" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	279
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	318
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	7/11/1995
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Exterran Energy Solutions
Driller	Neuendorff's Water Well Service, Inc.
Other Data Available	Drillers Log; Specific Capacity
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G0450040A
Groundwater Conservation District Well Number	
Owner Well Number	1
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Commission on Environmental Quality
Created Date	2/14/2011
Last Update Date	7/12/2016

**Remarks** Reported yield 50 GPM with 83 feet drawdown after pumping 36 hours in 1995. Specific capacity 0.6 GPM/ft. Cemented from 0 to 297 feet. Well originally drilled for Hanover Smith, Inc. (Columbus Plant).

### Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
6	Blank	Galvanized Iron			0	297
4	Blank	Galvanized Iron			288	298
4	Screen	Stainless Steel			298	317
4	Blank	Galvanized Iron			317	318

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

**Borehole - No Data**

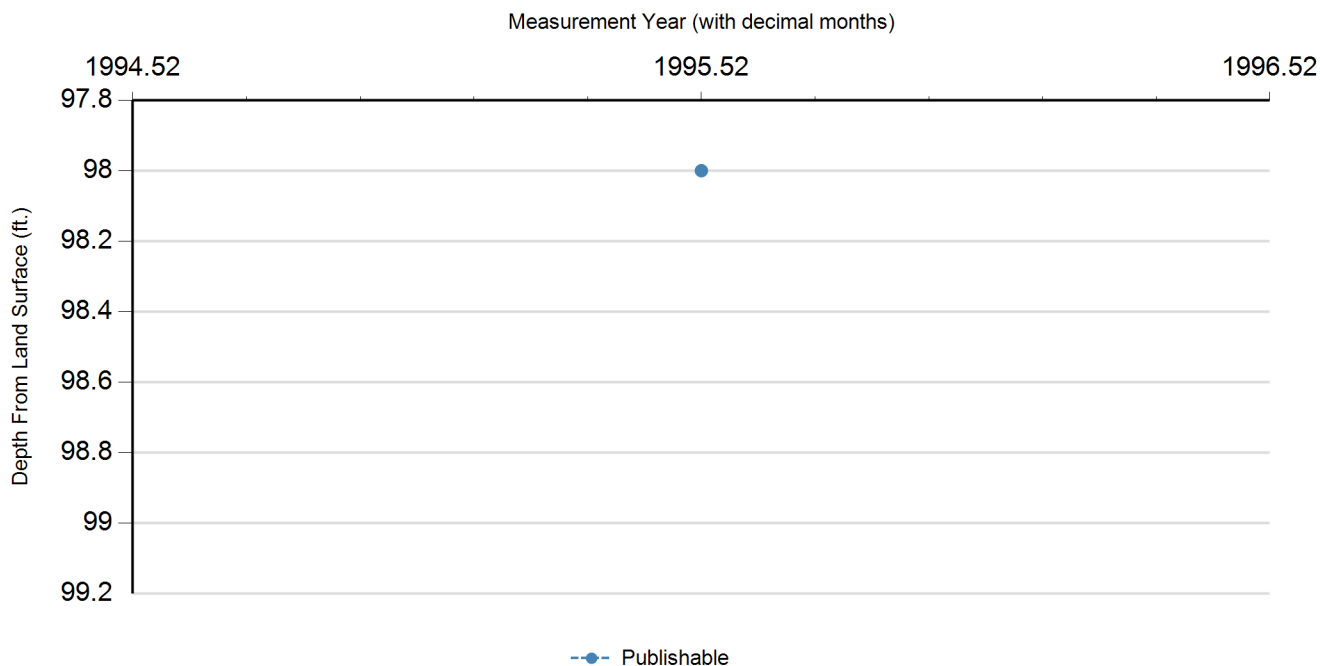
**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**



### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/11/1995		98		181	1	Registered Water Well Driller	Unknown		

### Code Descriptions

Status Code	Status Description
P	Publishable

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Water Quality Analysis - No Data Available

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GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<https://www.twdb.texas.gov/groundwater/data/gwdb rpt.asp>) is believed to be accurate and reliable; however, the 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 these data 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 the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at [GroundwaterData@twdb.texas.gov](mailto:GroundwaterData@twdb.texas.gov).



Texas Water Development Board  
Well Schedule



State Well Number: **66-21-207** Previous Well Number: County: **Colorado** **89**

Latitude (dms): **294320** Longitude (dms): **962548** Coordinate Accuracy: **Global Positioning System - GPS**

River Basin: **Brazos-Colorado Rivers** GMA: **15** RWPA: **K** GCD: **Colorado County GCD**

Owner: **Pilsner's Place** Driller: **L & N Drilling Co.** Aquifer ID: **Gulf Coast**  
Aquifer Code: **112CHCT**

Depth (ft): **106** Elevation (ft): **262** **CHICOT**  
**AQUIFER**

Source of Depth: **Driller's Log** Source of Elevation: **Digital Elevation  
Model -DEM**

Date Drilled: **06/09/1972** Well Type: **Withdrawal of Water**

Type of Lift: **Unknown** Power: Horsepower:

Construction: **Hydraulic Rotary** Completion: **Screen**

Casing Material: **Steel** Screen Material: **Stainless Steel**

CASING INTERVALS:  
Casing/Blank Pipe (C)  
Well Screen/Slotted Zone (S)  
Open Hole (O)

	Dia. (in.)	Top (ft.)	Bottom (ft.)
C	5	0	98
S	5	98	104
C	5	104	106

WATER USE

Primary: **Public Supply** Secondary: Tertiary:

Water Levels: **Miscellaneous Measurements** Water Quality: **N**

**1 measurement**

**1972**

**-72**

Other Data: Logs: **D**

REMARKS:

Owners well #1. PWS ID #0450073A.

Reporting Agency: **TWC/TNRCC/TCEQ**

Date Collected or Reported: **02/24/2011**

Recorded by: D.R. Jones

Send original copy by  
certified mail to the  
Texas Water Development Board  
P. O. Box 12386  
Austin, Texas 78711

State of Texas  
WATER WELL REPORT

For TWDB use only  
Well No. \_\_\_\_\_  
Located on map \_\_\_\_\_  
Received: \_\_\_\_\_

1) OWNER:  
Person having well drilled DAVID PILSNER Address COLUMBUS, TEX.  
(Name) (Street or RFD) (City) (State)  
Landowner \_\_\_\_\_ Address \_\_\_\_\_  
(Name) (Street or RFD) (City) (State)

2) LOCATION OF WELL:  
County COLORADO, 7 miles in EAST direction from COLUMBUS  
(N.E., S.W., etc.) (Town)

Locate by sketch map showing landmarks, roads, creeks,  
highway number, etc.\*

MAP ON REVERSE SIDE  
North  
(Use reverse side if necessary)

or Give legal location with distances and directions from  
adjacent sections or survey lines.

Labor \_\_\_\_\_ League \_\_\_\_\_  
Block \_\_\_\_\_ Survey \_\_\_\_\_  
Abstract No. John Mc Carthy A-31  
(NW 1/4, NE 1/4, SE 1/4, etc.) of Section \_\_\_\_\_

3) TYPE OF WORK (Check):  
New Well ☒ Deepening \_\_\_\_\_  
Reconditioning \_\_\_\_\_ Plugging \_\_\_\_\_  
4) PROPOSED USE (Check):  
Domestic ☒ Industrial \_\_\_\_\_ Municipal \_\_\_\_\_  
Irrigation \_\_\_\_\_ Test Well \_\_\_\_\_ Other \_\_\_\_\_  
5) TYPE OF WELL (Check):  
Rotary ☒ Driven \_\_\_\_\_ Dug \_\_\_\_\_  
Cable \_\_\_\_\_ Jetted \_\_\_\_\_ Bored \_\_\_\_\_

6) WELL LOG:  
Diameter of hole 6 3/4 in. Depth drilled 106 ft. Depth of completed well 107 ft. Date drilled 6-9-72  
All measurements made from 1 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0-2		TOP SOIL
2-14		YELLOW CLAY
14-21		ROCK & CLAY
21-32		SAND
32-46		CLAY & SAND
46-75		SAND
75-81		YELLOW CLAY
81-106		SAND
106-107		CLAY

9) CASING:  
Type: Old \_\_\_\_\_ New ☒ Steel ☒ Plastic \_\_\_\_\_ Other \_\_\_\_\_  
Cemented from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Diameter (inches)	Setting		Gage
	From (ft.)	To (ft.)	
4 1/2 OD	91	98	5
4 1/2 OD	104	106	5

10) SCREEN:  
Type STAINLESS WIRE WRAPPED  
Perforated \_\_\_\_\_ Slotted \_\_\_\_\_  
Diameter (inches) Setting From (ft.) To (ft.) Slot Size  
4 1/2 OD 98 104 20 g.

7) COMPLETION (Check):  
Straight wall ☒ Gravel packed \_\_\_\_\_ Other \_\_\_\_\_  
Under reamed \_\_\_\_\_ Open Hole \_\_\_\_\_

8) WATER LEVEL:  
Static level 72 ft. below land surface Date 6-9-72  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.  
below land surface.

11) WELL TESTS:  
Was a pump test made? Yes \_\_\_\_\_ No ☒ If yes, by whom? \_\_\_\_\_  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Bailer test \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ gpm  
Temperature of water \_\_\_\_\_

12) WATER QUALITY:  
Was a chemical analysis made? Yes \_\_\_\_\_ No ☒  
Did any strata contain undesirable water? Yes \_\_\_\_\_ No \_\_\_\_\_  
Type of water? \_\_\_\_\_ depth of strata \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME FLOYD A. NEUENDORFF Water Well Drillers Registration No. 531  
(Type or Print)  
ADDRESS 302 TRAVIS COLUMBUS TEXAS  
(Street or RFD) (City) (State)  
(Signed) Floyd A. Neuendorff L & N DRILLING CO.  
(Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

\*Additional instructions on reverse side.

TWDB-CW-53

66-21-207



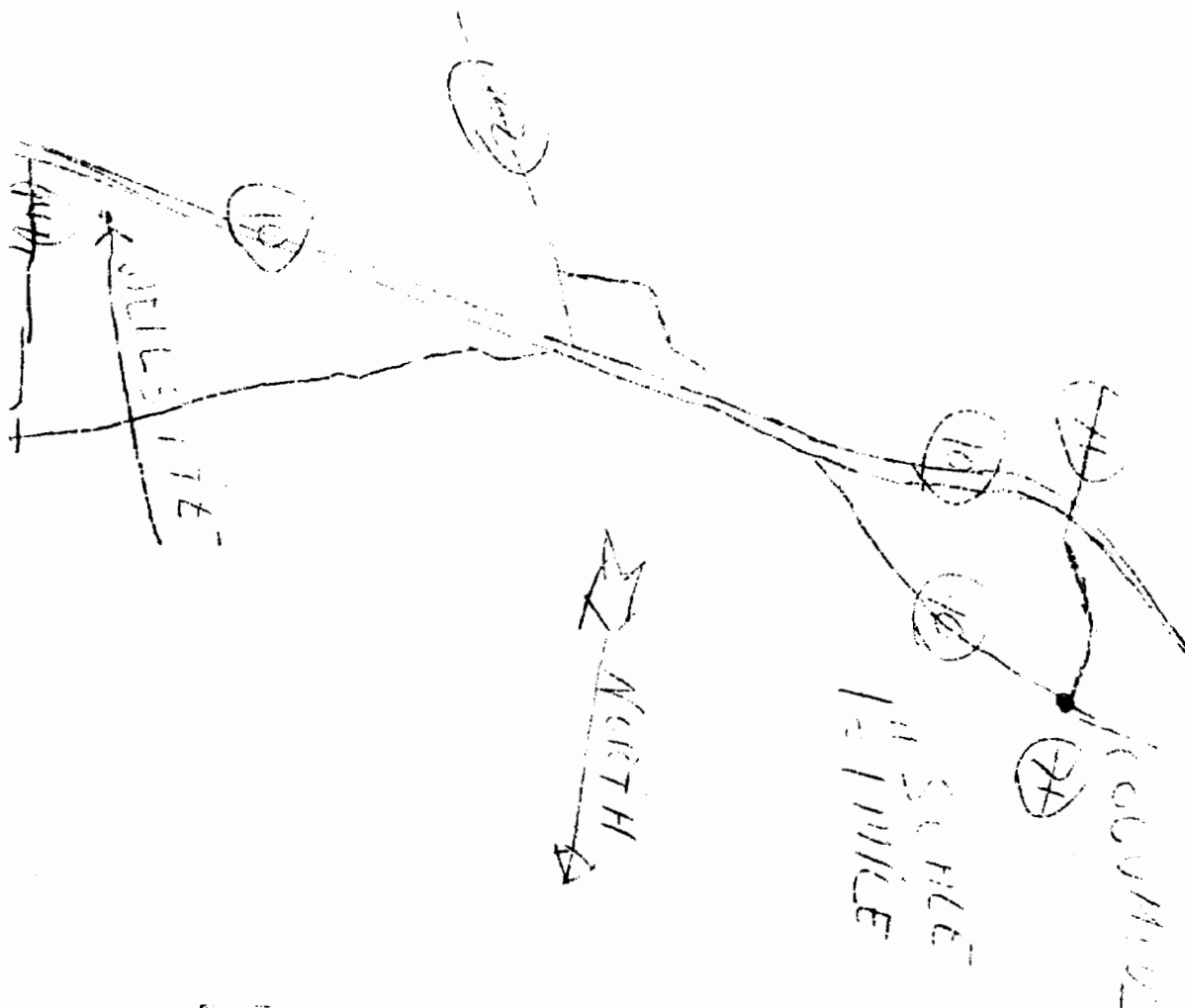
2) LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.

Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.

When giving a legal description include a sketch showing location of the well within the described area, e.g. survey abstract.

Information furnished in Section 2) of the TWDBE-GW-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.



66-21-207

[GWDB Reports and Downloads](#)
[Well Basic Details](#)
[Scanned Documents](#)

State Well Number	6621207
County	Colorado
River Basin	Brazos-Colorado
Groundwater Management Area	15
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Colorado County GCD
Latitude (decimal degrees)	29.722222
Latitude (degrees minutes seconds)	29° 43' 20" N
Longitude (decimal degrees)	-96.43
Longitude (degrees minutes seconds)	096° 25' 48" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	262
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	106
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	6/9/1972
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Unknown
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Pilsner's Place
Driller	L & N Drilling Co.
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G0450073A
Groundwater Conservation District Well Number	
Owner Well Number	1
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Commission on Environmental Quality
Created Date	2/24/2011
Last Update Date	7/12/2016

Remarks	
---------	--

<b>Casing</b>						
Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
5	Blank	Steel			0	98
5	Screen	Stainless Steel			98	104
5	Blank	Steel			104	106

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

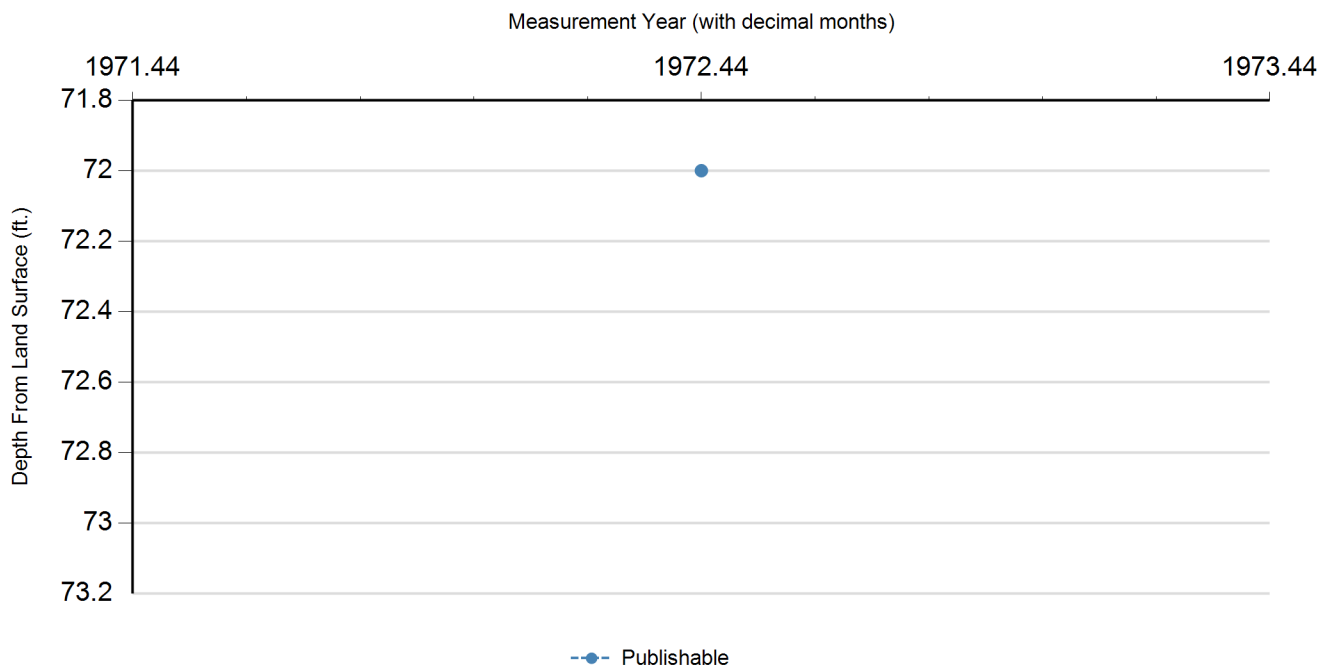
**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	6/9/1972		72		190	1	Registered Water Well Driller	Unknown		

### Code Descriptions

Status Code	Status Description
P	Publishable

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Water Quality Analysis - No Data Available

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GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<https://www.twdb.texas.gov/groundwater/data/gwdb rpt.asp>) is believed to be accurate and reliable; however, the 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 these data 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 the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at [GroundwaterData@twdb.texas.gov](mailto:GroundwaterData@twdb.texas.gov).



Texas Water Development Board  
Well Schedule

groundwater resources



State Well Number: **66-21-301** Previous Well Number: County: **Colorado** **89**

Latitude (dms): **294255** Longitude (dms): **962454** Coordinate Accuracy: **+/- 1 Second**

River Basin: **Brazos-Colorado Rivers** GMA: **15** RWPA: **K** GCD: **Colorado County GCD**

Owner: **Julian Salguero**

Driller: **Pomykal Drilling Co.**

Aquifer ID: **Gulf Coast**

Aquifer Code **121EVGL**

Depth (ft): **800**

Elevation (ft): **240**

**EVANGELINE  
AQUIFER**

Source of Depth: **Person Other than  
Owner**

Source of Elevation: **Interpolated From  
Topo Map**

Date Drilled: **00/00/1970**

Well Type

Type of Lift: **Turbine Pump**

Power: **Gasoline Engine**

Horsepower: **80.00**

Construction: **Hydraulic Rotary**

Completion: **Gravel Pack w/Perforations**

Casing Material: **Steel**

Screen Material: **Steel**

CASING INTERVALS:  
Casing/Blank Pipe (C)  
Well Screen/Slotted Zone (S)  
Open Hole (O)

	Dia. (in.)	Top (ft.)	Bottom (ft.)
	12	0	400
S	12	400	800

WATER USE

Primary: **Aquaculture**

Secondary:

Tertiary:

Water Levels: **Miscellaneous Measurements**

Water Quality: **Y**

**3 measurements**

**1974 to 1975**

**MIN -67.3 MAX -60.81**

Other Data: **A**

Logs:

REMARKS:

**Reported yield 530 GPM with 12.4  
feet drawdown after pumping 2 hours  
in 1975. Specific capacity 42.7  
GPM/ft. Aquifer test data in TDWR  
R-270.**

Reporting Agency: **U.S. Geological  
Survey**

Date Collected or Reported: **01/02/1974**

Recorded by: \_\_\_\_\_

# PUMPING TEST DATA

Number DW-66 21-301

Date test started MAR 28, 1978

Location CONCRETE CO. ROAD INTERSECTION TO 1/2 MILE WEST OF ROAD 1040

Owner TOWN OF GILGISH

Driller FRANKLIN DRILLING CO.

Date well completed 1 10

Type of well (pumping, observation) PUMPING

Altitude above sea level 2000 feet

Diameter of well 10 inches

Depth of well 10 feet

Depth to top of bed 10 feet

Geologic formation CONCRETE

Character of material CONCRETE

Test conducted by W. J. GILGISH

Accuracy (excellent, good, fair, poor) GOOD

Method of life Power

Duration of test 2 1/2 hours

Average rate of pumpage 100 gpm

Use of water NO

Water temperature NO

Drawdown 10 feet; Time 2 1/2 (hours, days)

Chemical analysis (yes, no) NO

Electric log (yes, no) NO

Date 2 28 78; Time 7 45 A.M.

Static water level below surface 2000 feet

Pumping level 2000 feet below land surface after 2 1/2 (hours, days)

Coefficient of transmissibility 200 gpd/ft. (drawdown)

Coefficient of storage 200 gpd/ft. (drawdown)

Permeability 200 gpd/ft<sup>2</sup>; Method of determination 200

Screened settings 100 ft. to 200 ft.; ft. to 200 ft.

Specific capacity 100 gpm/ft. (observed); 100 gpm/ft. (calculated); 100 (time)

Pump setting 100 ft.; Airline 100 ft.; Bowl and suction length 100 ft.

Remarks:

County COLORADOPumped WellObserved Well

Owner JULIAN SALGUERO  
 State Well No. OW-66-21-301  
 Fed. Well No. \_\_\_\_\_  
 Average Q 530

Owner \_\_\_\_\_  
 State Well No. \_\_\_\_\_  
 Fed. Well No. \_\_\_\_\_  
 $r^2 =$  1440r^2 =

$r =$  \_\_\_\_\_  
 $r =$  distance between pumped and observed well

Name of person(s) making test W. SANDEEN C. LOSVET

Description of M.P. CRACK BETWEEN TOP OF CASING + PUMP BASE

Remarks 3 MINUTES 6 INCHES OFF FOR 1000 - 12000; ON AGAIN AT 1205, PUMPED FOR 2 HOURS UNTIL 1205.

$t =$  time since pumping started  $t' =$  time since pumping stopped  
 (1 - 1000' THRU DISCHARGE)

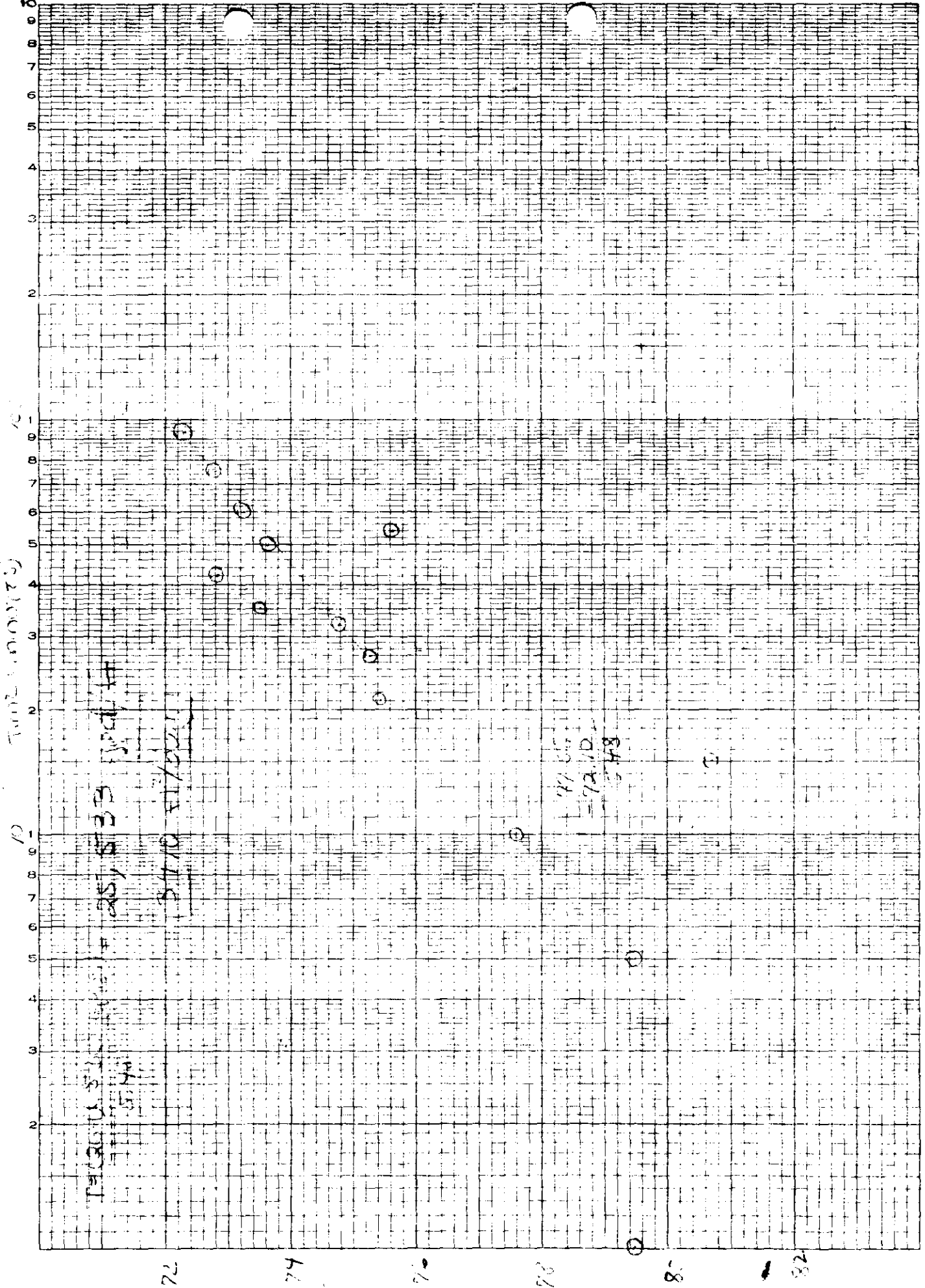
Static Level: 60.81 Pumping Level \_\_\_\_\_ after \_\_\_\_\_ hrs.  
 Pumping 530 gpm.

PUMPING LEVELS AT 10.45, 80.91; AT 1014, 80.12; 11.34, 80.69.

Date	Hour	t (min)	t' (min)	t/t'	$\frac{1440r^2}{t}$	Tape Reading		Depth to water	s (dd)
6-28-75	0105	12.1	1			82.40	4.35	70.45	
			5			82.40	2.52	70.43	
			10			82.40	4.42	77.58	
			15			84	3.31	*80.20	
			21			80	4.55	75.45	
			27			78	2.71	75.20	
			32			78	3.22	74.70	
			35			76	2.48	73.52	
			42			74	1.17	72.83	
			50			74	0.38	75.62	
			54			78	2.38	*75.62	
			60			76	2.78	73.22	
			75			76	3.20	72.80	
			93			74	1.68	72.72	

\* TAPE PROBABLY HUNG  
 MEASUREMENTS VERY DIFFICULT

UW 66-21-301





NO. 340-L310 DIETZGEN GRAPH PAPER  
SEMI-LOGARITHMIC  
3 CYCLES X 10 DIVISIONS PER INCH

EUGENE DIETZGEN CO.  
MADE IN U. S. A.

10 Time (minutes)

100-21-301

100-21-301

89

90

91

WITH 8 GAL BUCKET  
THREE DISCHARGE  
MEN

24 1 1/2 1/2 = 54/10 24 7  
County COLORADO

Pumped Well

Observed Well

Owner JULIAN SALGUERO  
State Well No. DW-66-21-301  
Fed. Well No. \_\_\_\_\_  
Average Q \_\_\_\_\_

Owner \_\_\_\_\_  
State Well No. \_\_\_\_\_  
Fed. Well No. \_\_\_\_\_  
r<sup>2</sup> = 1440r<sup>2</sup>

STATIC LEVEL 68.31 BELOW MP ON 3-3-75 r = distance between pumped and observed well

Name of person(s) making test W SANDEEN + C LASKOT

Description of M.P. 500 H2O IN DIS, F.P. - 5.0 CRACK - F NEW MP PUMP BASE 11.5

Remarks PUMP ON 2:00 PM 3 MIN 19.2 TEST ON MARCH 10 FT-12.05

t = time since pumping started

t' = time since pumping stopped

Static Level: 65.81 Pumping Level 80.12 after 1 hr 5 min hrs.  
Pumping 514 gpm.

MP 3.2'  
DISCH.  
P. 114.00  
145 89.91

NEW P.D.T.

Date	Hour	t (min)	t' (min)	t/t'	$\frac{1440r^2}{t}$	Tape Reading		Depth to water	s (dd)
		1				86.00	6.55	73.45	
		2							
		3							
		4							
		5				82	2.52	75.48	
		6							
		7							
		8							
		9							
		10				84	3.01	81.00	?
		11				80	4.55	74.45	

78 3.22 74.78 2.7  
32 2.48 74.32  
39 76

78 2.71 75.29  
10 3.01  
0.12

AT 11:14



Well No. DW-66-21-301

WELL SCHEDULE HOUSTON: 461-6757

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

HUGO SALGUERO 732-2284 ALLEYTON

Record by W. SANDEEN Source of data POMYXAL DRILLING CO. Date JAN 2, 1974 Map ALLEYTON, 1958

State TEXAS County 49 (or town) COLORADO DW

Latitude: 29 42 57 N Longitude: 09 62 45 W Sequential number: 1

Lat-long accuracy: 20 T. S. R. W. Sec. k. k. k. B & H

Local well number: DW-66-21-301 Other number:

Local use: 31 40 45 50 55 60 65 70 75 80 85 90 95 100

Owner or name: JULIAN SALGUERO Address: Box 55 ALLEYTON, TX HOUSTON, TEX 78035

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist. P

Use of Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, PUMPS WATER INTO

Water: (S) (T) (U) (V) (W) (X) (Y) (Z) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other CATFISH PONDS Z

Use of (A) (D) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) Well: Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed W

DATA AVAILABLE: Well data 70 Freq. W/L meas.: 1-2-74, 3-3-75 71 Field aquifer char. 72

Hyd. lab. data: 73

Qual. water data; type: 74

Freq. sampling: 1-2-74 75 Pumpage inventory: yes 76 no: period: 77

Aperture cards: 78

Log data: 79

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 800 ft 800 Meas. OWNER 24 6

Depth cased: 400 ft 400 Casing type: STEEL ; Diam. 12 in 25 26

Finish: (C) porous concrete, (F) gravel w. (G) gravel w. (H) horiz. (I) open (J) screen, (K) gallery, (L) end, (M) perf., (N) screen, (O) sd. pt., (P) shored, (Q) open hole, (R) other F

Method (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) Drilled: air bored, cable, dug, hyd jetted, air reverse trenching, driven, drive wash, other H

Date Drilled: 1970 970 Pump intake setting: 33 ft 34 35

Driller: POMYXAL DRILLING CO. BRENNHAM, TEXAS

Lift (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (type): air, bucket, cent, jet, multiple, multiple, none, piston, rot, submers, turb other T Deep 40 Shallow 41

Power (type): diesel, elec, gas, gasoline, hand, gas, wind, H.P. 80 @ 1760 42 Trans. or meter no. 43

Descript. MP CRACK IN CASING, BASE PUMP 1.0 ft below LSD, Alc. MP 44

Alt. LSD: 240 240 Accuracy: 10' TOPO 45 46

Water Level 67.63 ft above 67 ft below LSD 47 Accuracy: TAPE, WMS 48

Date 1-2-74 174 Yield: 600 gpm 600 49 50

Drawdown: 3 ft 3 Accuracy: 3 51 52

QUALITY OF WATER DATA: Iron 33 Sulfate 34 Chloride 35 36

Sp. Conduct 22 22 37 38

Temp, color, etc. 39 40

3-3-75  
71.00  
2.69  
68.31  
240 WMS  
67  
174  
67.63  
67.63

Well No.





[GWDB Reports and Downloads](#)
[Well Basic Details](#)
[Scanned Documents](#)

State Well Number	6621301
County	Colorado
River Basin	Brazos-Colorado
Groundwater Management Area	15
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Colorado County GCD
Latitude (decimal degrees)	29.715278
Latitude (degrees minutes seconds)	29° 42' 55" N
Longitude (decimal degrees)	-96.415001
Longitude (degrees minutes seconds)	096° 24' 54" W
Coordinate Source	+/- 1 Second
Aquifer Code	121EVGL - Evangeline Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	240
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	800
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1970
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Perforations

Well Type	Withdrawal of Water
Well Use	Aquaculture
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Turbine
Pump Depth (feet below land surface)	
Power Type	Gasoline Engine
Annular Seal Method	
Surface Completion	
Owner	Julian Salguero
Driller	Pomykal Drilling Co.
Other Data Available	Aquifer Test
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/2/1974
Last Update Date	6/3/2011

**Remarks** Reported yield 530 GPM with 12.4 feet drawdown after pumping 2 hours in 1975. Specific capacity 42.7 GPM/ft. Aquifer test data in TDWR R-270 and TWDB files.

### Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
12	Blank	Steel			0	400
12	Screen	Steel			400	800

### Well Tests - No Data

### Lithology - No Data

### Annular Seal Range - No Data

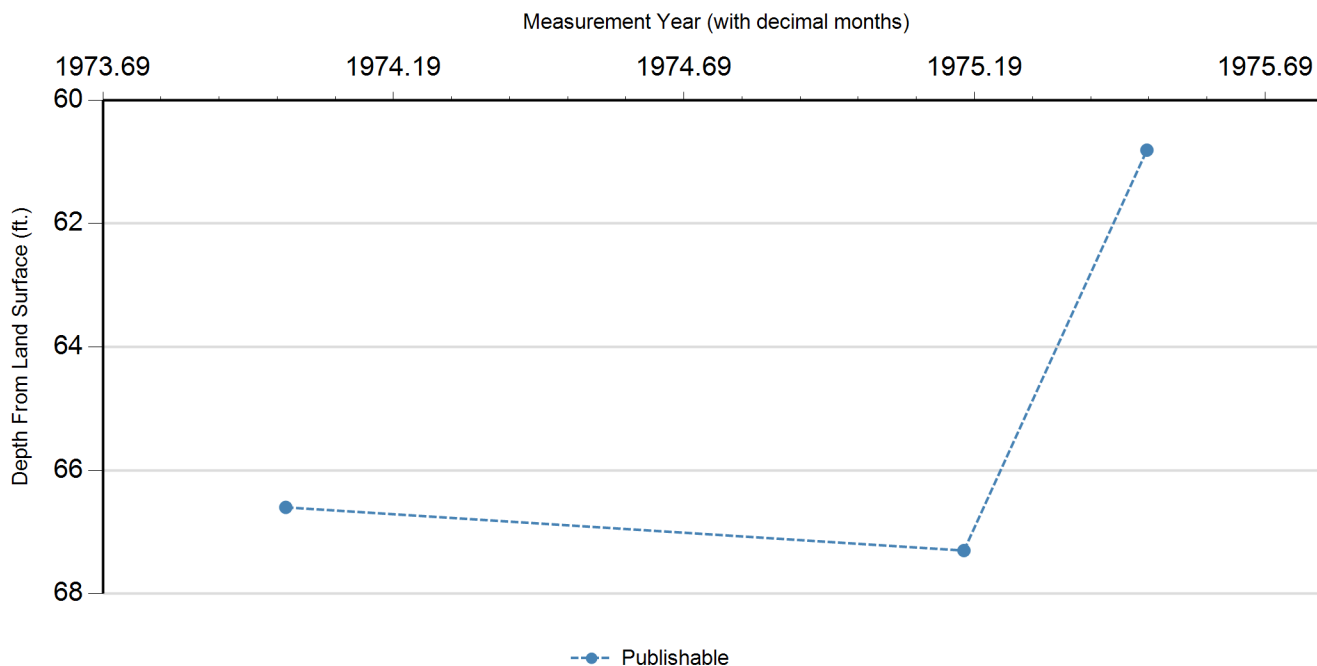
### Borehole - No Data

### Plugged Back - No Data

### Filter Pack - No Data

### Packers - No Data

### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	1/2/1974		66.6		173.4	1	Other or Source of Measurement Unknown	Unknown		
P	3/3/1975		67.3	0.70	172.7	1	Other or Source of Measurement Unknown	Unknown		
P	6/28/1975		60.81	(6.49)	179.19	1	U.S. Geological Survey	Steel Tape		

### Code Descriptions

Status Code	Status Description
P	Publishable



### Water Quality Analysis

**Sample Date:** 1/2/1974    **Sample Time:** 0000    **Sample Number:** 1    **Collection Entity:** U.S. Geological Survey

**Sampled Aquifer:** Evangeline Aquifer

**Analyzed Lab:** U.S. Geological Survey Lab

**Reliability:** Collected from pumped well, but not filtered or preserved

**Collection Remarks:** No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO <sub>3</sub> )		104.92	mg/L as CaCO <sub>3</sub>	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO <sub>3</sub> )		128.04	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		20	ug/L	
00910	CALCIUM (MG/L)		37	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO <sub>3</sub> )		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		22	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO <sub>3</sub> )		102	mg/L as CaCO <sub>3</sub>	
00920	MAGNESIUM (MG/L)		2.4	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO <sub>3</sub> )		0.8	mg/L as NO <sub>3</sub>	
00400	PH (STANDARD UNITS), FIELD		7.3	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0.05		
00955	SILICA, DISSOLVED (MG/L AS SiO <sub>2</sub> )		30	mg/L as SiO <sub>2</sub>	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.73		
00932	SODIUM, CALCULATED, PERCENT		26	PCT	
00929	SODIUM, TOTAL (MG/L AS Na)	calculated	17	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		309	MICR	
00945	SULFATE, TOTAL (MG/L AS SO <sub>4</sub> )		2	mg/L as SO <sub>4</sub>	
00010	TEMPERATURE, WATER (CELSIUS)		22	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		174	mg/L	

\* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

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## WELL SCHEDULE

DOT 66-21-3J

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

## MASTER CARD

## OBSERVATION +

Record by W. SANDEEN Source of data DRILLERS LOG Date 1-2-74 Map ALLEXTON, 1958

State TEXAS 49 County COLORADO DW

Latitude: 29 42 53 N Longitude: 09 62 45 S Sequential number: 1

Lat-long accuracy: 20 T. 5 S. R. W Sec. 1 T. 1 S. R. W Sec. 1 T. 1 S. R. W Sec. 1

Local well number: DW-66-21-302 Other number: B & H

Local use: J SALGUERO Owner or name: JULIAN SALGUERO

Owner or name: J SALGUERO Address: Box 55 ALLEYTON, TEXAS 78935

Ownership: County, Fed Gov't, City, Corp or Co, (P) Private, State Agency, Water Dist. P

Use of water: (S) Stock (T) Instit (U) Unused (V) Recharge (W) Desal-P S (X) Desal-other (Z) Other

Use of well: (A) Anode (D) Drain (G) Seismic (H) Heat Res (O) Obs (P) Oil-gas (R) Recharge (T) Test (U) Unused (W) Withdraw (X) Waste (Z) Destroyed

DATA AVAILABLE: Well data 70 Freq. W/L meas.: RPT 4-12 13,75 Field aquifer char. 71

Hyd. lab. data: 72

Qual. water data; type: 73

Freq. sampling: 74 Pumpage inventory: yes no, period: 75

Aperture cards: 76

Log data: 77

## WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 163 ft 163 Meas. DRL 24 3

Depth cased; (first perf.) 148 ft 148 Casing type: STEEL ; Diam. 4 in 25 4

Finish: porous concrete, gravel w. (perf.), (screen), gravel w. horiz. gallery, open perf., screen, sd. pt., shored, open hole, other 26 GA S

Method: (A) air (B) bored (C) cable (D) dug (H) hyd (J) jetted (P) air (R) reverse (T) trenching (V) driven (W) drive (Z) wash (S) other 27 12

Date Drilled: 4-11-73 473 Pump intake setting: 106 ft 106 38 6

Driller: L N DRILLING CO COLUMBUS, TEXAS

Lift (type): (A) air (B) bucket (C) cent (J) jet (L) multiple (M) multiple (N) none (P) piston (R) rot (S) submerg (T) turb (Z) other 28 S Deep 39 Shallow 40

Power (type): diesel elec gas gasoline hand gas wind R.P. 1/2 5 Trans. or meter no. 5

Descrip. MP ON MOUND, THRU 1/4 PLUG +1.0 ft above LSD Alt. MP

Alt. LSD: 253 253 Accuracy: 10' TOPO 4

Water Level: 61 ft above below MP; Ft above below LSD 61 Accuracy: DRILLER A

Date 4-12-73 473 Yield: 4 gpm 4 Method determined 4

Drawdown: 4 ft 4 Accuracy: 4 Pumping period 4 hrs 4

QUALITY OF WATER DATA: Iron 4 Sulfate 4 Chloride 4 Hard. 4

Sp. Conduct 4 K x 10<sup>6</sup> 4 Temp. 4 Date sampled 4

Tests, color, etc. 4

Send original copy by  
certified mail to the  
Texas Water Development Board  
P. O. Box 12386  
Austin, Texas 78711

State of Texas  
WATER WELL REPORT

For TWDB use only  
Well No. 66-21-302  
Located on map Y-2  
Received: 73

1) OWNER:  
Person having well drilled JULIAN SALAZAR Address ALLEYTON, TEX.  
(Name) (Street or RFD) (City) (State)  
Landowner \_\_\_\_\_ Address \_\_\_\_\_  
(Name) (Street or RFD) (City) (State)

2) LOCATION OF WELL:  
County COLORADO 7 miles in EAST direction from COLUMBUS  
(N.E., S.W., etc.) (Town)

Locate by sketch map showing landmarks, roads, creeks,  
highway number, etc.\*

or Give legal location with distances and directions from  
adjacent sections or survey lines.

MAP ON REVERSE SIDE

Labor \_\_\_\_\_ League \_\_\_\_\_  
Block \_\_\_\_\_ Survey \_\_\_\_\_  
Abstract No. S.P. Bitt A-81  
(NW1/4 NE1/4 SW1/4 SE1/4) of Section \_\_\_\_\_

(Use reverse side if necessary)

3) TYPE OF WELL (Check):  
New Well ☒ Deepening \_\_\_\_\_  
Reconditioning \_\_\_\_\_ Plugging \_\_\_\_\_  
4) PROPOSED USE (Check):  
Domestic ☒ Industrial \_\_\_\_\_ Municipal \_\_\_\_\_  
Irrigation \_\_\_\_\_ Test Well \_\_\_\_\_ Other \_\_\_\_\_  
5) TYPE OF WELL (Check):  
Rotary ☒ Driven \_\_\_\_\_ Dug \_\_\_\_\_  
Cable \_\_\_\_\_ Jetted \_\_\_\_\_ Bored \_\_\_\_\_

6) WELL LOG:  
Diameter of hole 6-3/4 in. Depth drilled 163 ft. Depth of completed well 163 ft. Date drilled 4-11-73  
All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0-2		Topsoil
2-38		YELLOW CLAY
38-54		SAND
54-59		CLAY
59-116		SAND
116-127		CLAY
127-134		SAND
134-142		CLAY
142-154		SAND
154-163		CLAY

9) Casing:  
Type: Old \_\_\_\_\_ New ☒ Steel ☒ Plastic \_\_\_\_\_ Other \_\_\_\_\_  
Cemented from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Diameter (inches)	Setting		Gage
	From (ft.)	To (ft.)	
4 1/2 OD	0	148	5
4 1/2 OD	154	163	0

10) SCREEN:  
Type STAINLESS WIRE WRAPPED  
Perforated \_\_\_\_\_ Slotted \_\_\_\_\_

Diameter (inches)	Setting		Slot Size
	From (ft.)	To (ft.)	
4 1/2 OD	148	154	20 ga.

7) COMPLETION (Check):  
Straight well ☒ Gravel packed \_\_\_\_\_ Other \_\_\_\_\_  
Under reamed \_\_\_\_\_ Open Hole \_\_\_\_\_

8) WATER LEVEL:  
Static level 61 ft. below land surface Date 4-12-73  
Artesian pressure \_\_\_\_\_ lbs. per square inch Date \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., 106 ft. below land surface.

11) WELL TESTS:  
Was a pump test made? Yes \_\_\_\_\_ No ☒ If yes, by whom? \_\_\_\_\_  
Yield: \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Bailer test \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ gpm  
Temperature of water \_\_\_\_\_

12) WATER QUALITY:  
Was a chemical analysis made? Yes \_\_\_\_\_ No ☒  
Did any strata contain undesirable water? Yes \_\_\_\_\_ No \_\_\_\_\_  
Type of water? \_\_\_\_\_ depth of strata \_\_\_\_\_

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME FLOYD A. NEUENDORFF Water Well Drillers Registration No. 531  
(Type or Print)  
ADDRESS 302 TRAVIS COLUMBUS TEXAS  
(Street or RFD) (City) (State)  
(Signed) Floyd A. Neuendorf L & N DRILLING CO  
(Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available. DW66-21-302

\*Additional instructions on reverse side.

TWDBE-GW-53

[GWDB Reports and Downloads](#)
[Well Basic Details](#)
[Scanned Documents](#)

State Well Number	6621302
County	Colorado
River Basin	Brazos-Colorado
Groundwater Management Area	15
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Colorado County GCD
Latitude (decimal degrees)	29.716389
Latitude (degrees minutes seconds)	29° 42' 59" N
Longitude (decimal degrees)	-96.414723
Longitude (degrees minutes seconds)	096° 24' 53" W
Coordinate Source	+/- 1 Second
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	255
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	163
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	4/11/1973
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Screened

Well Type	Withdrawal of Water
Well Use	Stock
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Julian Salguero
Driller	L & N Drilling Co.
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	1/2/1974
Last Update Date	3/9/2010

Remarks	
---------	--

<b>Casing</b>						
Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
5	Blank	Steel			0	148
5	Screen	Stainless Steel			148	154
5	Blank	Steel			154	163

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

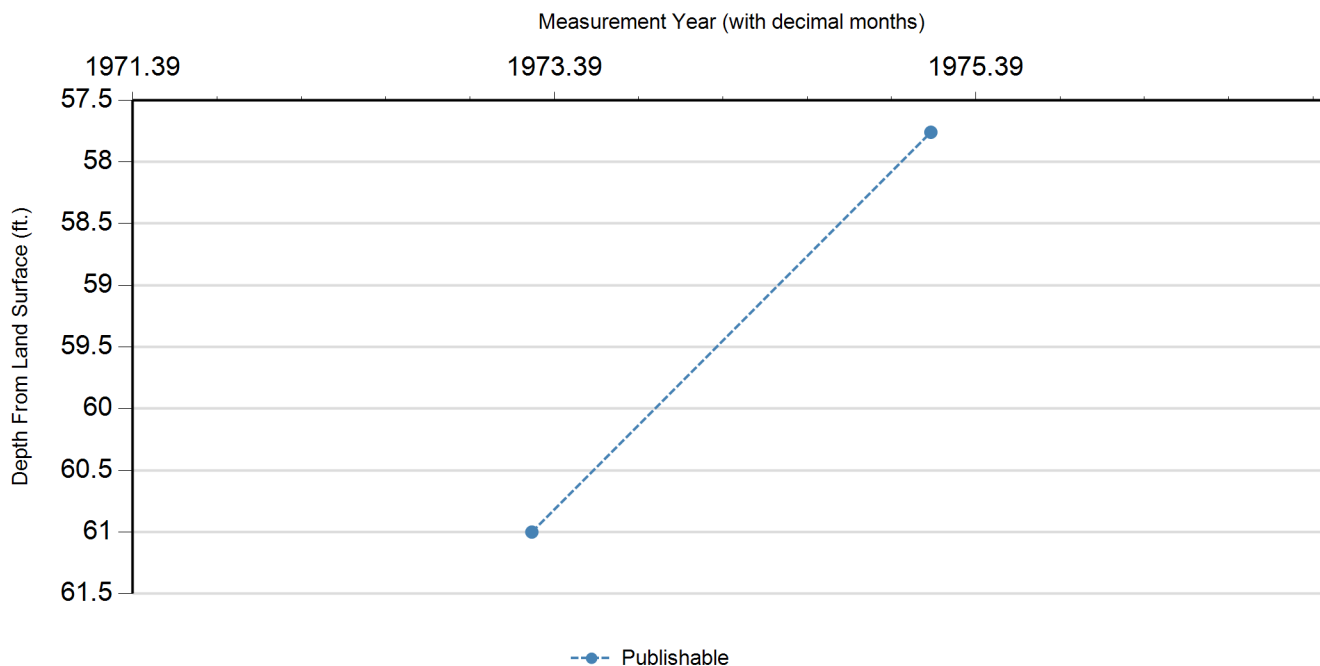
**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/12/1973		61		194	1	Registered Water Well Driller	Unknown		
P	3/3/1975		57.76	(3.24)	197.24	1	U.S. Geological Survey	Steel Tape		

### Code Descriptions

Status Code	Status Description
P	Publishable

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Water Quality Analysis - No Data Available

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Texas Water Development Board  
Well Schedule

groundwater resources



State Well Number: **66-21-304** Previous Well Number: County: **Colorado** **89**

Latitude (dms): **294320** Longitude (dms): **962435** Coordinate Accuracy: **Global Positioning System - GPS**

River Basin: **Brazos-Colorado Rivers** GMA: **15** RWPA: **K** GCD: **Colorado County GCD**

Owner: **Diversitech Corp.**  
**Well #1**

Driller:

Aquifer ID: **Gulf Coast**

Aquifer Code: **112CHCT**

**CHICOT  
AQUIFER**

Depth (ft):

Elevation (ft): **266**

Source of Depth:

Source of Elevation: **Digital Elevation  
Model -DEM**

Date Drilled:

Well Type: **Withdrawal of Water**

Type of Lift: **None**

Power:

Horsepower:

Construction:

Completion:

Casing Material:

Screen Material:

CASING INTERVALS:  
Casing/Blank Pipe (C)  
Well Screen/Slotted Zone (S)  
Open Hole (O)

Dia. (in.)	Top (ft.)	Bottom (ft.)
---------------	--------------	-----------------

WATER USE

Primary: **Plugged or  
Destroyed**

Secondary:

Tertiary:

Water Levels: **None**

Water Quality: **N**

Other Data:

Logs:

REMARKS:

Owners well #1. PWS ID #0450080A.  
Plugged PS, Industrial well.

Reporting Agency: **TWC/TNRCC/TCEQ**

Date Collected or Reported: **02/24/2011**

Recorded by:

D.R. Jones

[GWDB Reports and Downloads](#)
[Well Basic Details](#)
[Scanned Documents](#)

State Well Number	6621304
County	Colorado
River Basin	Brazos-Colorado
Groundwater Management Area	15
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Colorado County GCD
Latitude (decimal degrees)	29.722222
Latitude (degrees minutes seconds)	29° 43' 20" N
Longitude (decimal degrees)	-96.409723
Longitude (degrees minutes seconds)	096° 24' 35" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	266
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	
Well Depth Source	
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Diversitech Corp. Well #1
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G0450080A
Groundwater Conservation District Well Number	
Owner Well Number	1
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Commission on Environmental Quality
Created Date	2/24/2011
Last Update Date	7/21/2016

Remarks	Plugged PS, Industrial well.
---------	------------------------------

**Casing - No Data**

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**



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**Water Level Measurements**

No Data Available

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**Water Quality Analysis - No Data Available**

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Texas Water Development Board  
Well Schedule



State Well Number: **66-21-305** Previous Well Number: County: **Colorado** **89**

Latitude (dms): **294330** Longitude (dms): **962431** Coordinate Accuracy: **Global Positioning System - GPS**

River Basin: **Brazos-Colorado Rivers** GMA: **15** RWPA: **K** GCD: **Colorado County GCD**

Owner: **Diversitech Corp.** Driller: **Neuendorff's Water** Aquifer ID: **Gulf Coast**  
**Well #2** **Well Service** Aquifer Code: **112CHCT**

Depth (ft): **238** Elevation (ft): **275** **CHICOT**

Source of Depth: **Driller's Log** Source of Elevation: **Digital Elevation Model -DEM**

Date Drilled: **10/02/1990** Well Type: **Withdrawal of Water**

Type of Lift: **Submersible Pump** Power: **Electric Motor** Horsepower:

Construction: **Hydraulic Rotary** Completion:

Casing Material: **PVC, Fiberglass, other Plastic** Screen Material:

CASING INTERVALS:  
Casing/Blank Pipe (C)  
Well Screen/Slotted Zone (S)  
Open Hole (O)

	Dia. (in.)	Top (ft.)	Bottom (ft.)
C	4	0	152
S	4	152	172
C	4	172	217
S	4	217	237

WATER USE

Primary: **Industrial** Secondary: **Public Supply** Tertiary:

Water Levels: **Miscellaneous Measurements** Water Quality: **N**

1 measurement  
1990  
-81

Other Data: Logs: **D**

REMARKS:

Owners well #2. PWS ID #0450080B.  
Estimated yield 100 GPM. Pump set  
at 147 feet. Cemented from 0 to 15  
feet.

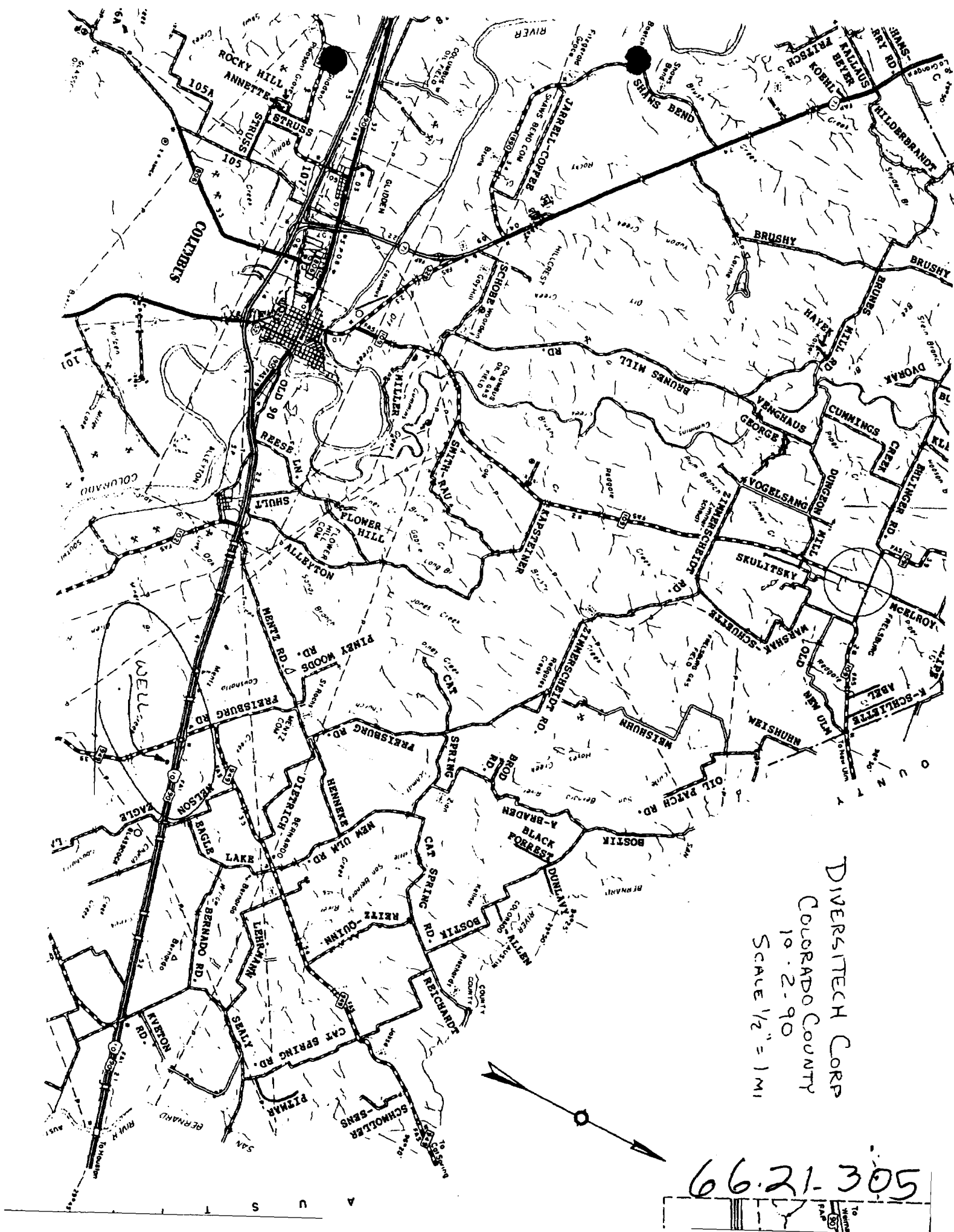
Reporting Agency: **TWC/TNRCC/TCEQ**

Date Collected or Reported: **02/24/2011**

Recorded by: D.R. Jones

New

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side		<b>State of Texas WELL REPORT</b>		Texas Water Well Drillers Board P. O. Box 13087 Austin, Texas 78711																																																																																													
1) OWNER <u>DIVERSITECH CORP.</u> (Name)		ADDRESS <u>P.O. Box 357 Columbus Tx 78934</u> (Street or RFD) (City) (State) (Zip)																																																																																															
2) LOCATION OF WELL: County <u>COLORADO</u> <u>8</u> miles in <u>E</u> direction from <u>COLUMBUS, Tx</u> (NE, SW, etc.) (Town)																																																																																																	
Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.																																																																																																	
<input type="checkbox"/> LEGAL DESCRIPTION: Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____ Distance and direction from two intersecting section or survey lines _____																																																																																																	
<input checked="" type="checkbox"/> SEE ATTACHED MAP																																																																																																	
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Domestic <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Monitor <input type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Injection <input type="checkbox"/> De-Watering		5) DRILLING METHOD (Check): <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Hammer <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other _____																																																																																													
6) WELL LOG: Date Drilling: _____ Started <u>10-2</u> 19 <u>90</u> Completed <u>10-2</u> 19 <u>90</u>		DIAMETER OF HOLE <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Dia. (In.)</th> <th>From (ft.)</th> <th>To (ft.)</th> </tr> <tr> <td><u>6 3/4</u></td> <td>Surface</td> <td><u>238</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		Dia. (In.)	From (ft.)	To (ft.)	<u>6 3/4</u>	Surface	<u>238</u>				7) BOREHOLE COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> Other _____ If Gravel Packed give Interval ... from _____ ft. to _____ ft.																																																																																				
Dia. (In.)	From (ft.)	To (ft.)																																																																																															
<u>6 3/4</u>	Surface	<u>238</u>																																																																																															
From (ft.)    To (ft.)    Description and color of formation material		8) CASING, BLANK PIPE, AND WELL SCREEN DATA:																																																																																															
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">Dia. (In.)</th> <th rowspan="2">New or Used</th> <th rowspan="2">Steel, Plastic, etc. Perl., Slotted, etc. Screen Mfg., if commercial</th> <th colspan="2">Setting (ft.)</th> <th rowspan="2">Gage Casting Screen</th> </tr> <tr> <th>From</th> <th>To</th> </tr> <tr> <td><u>0 - 3</u></td> <td></td> <td><u>TOP SOIL</u></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>3 - 34</u></td> <td></td> <td><u>YELLOW &amp; WHITE CLAY</u></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>34 - 136</u></td> <td></td> <td><u>SAND w/ CLAY STRKS</u></td> <td><u>4</u></td> <td><u>N</u></td> <td><u>4" 5/40 PVC</u></td> <td><u>+2</u></td> <td><u>152</u></td> <td></td> </tr> <tr> <td><u>136 - 137</u></td> <td></td> <td><u>ROCK</u></td> <td><u>4</u></td> <td><u>N</u></td> <td><u>" " "</u></td> <td><u>152</u></td> <td><u>172</u></td> <td><u>20</u></td> </tr> <tr> <td><u>137 - 154</u></td> <td></td> <td><u>WHITE CLAY</u></td> <td><u>4</u></td> <td><u>N</u></td> <td><u>" " "</u></td> <td><u>172</u></td> <td><u>217</u></td> <td></td> </tr> <tr> <td><u>154 - 172</u></td> <td></td> <td><u>SAND</u></td> <td><u>4</u></td> <td><u>N</u></td> <td><u>" " "</u></td> <td><u>217</u></td> <td><u>237</u></td> <td><u>12</u></td> </tr> <tr> <td><u>172 - 173</u></td> <td></td> <td><u>ROCK</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>173 - 219</u></td> <td></td> <td><u>RED CLAY</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>219 - 237</u></td> <td></td> <td><u>SAND</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>237 - 238</u></td> <td></td> <td><u>ROCK</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Dia. (In.)	New or Used	Steel, Plastic, etc. Perl., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen	From	To	<u>0 - 3</u>		<u>TOP SOIL</u>				<u>3 - 34</u>		<u>YELLOW &amp; WHITE CLAY</u>				<u>34 - 136</u>		<u>SAND w/ CLAY STRKS</u>	<u>4</u>	<u>N</u>	<u>4" 5/40 PVC</u>	<u>+2</u>	<u>152</u>		<u>136 - 137</u>		<u>ROCK</u>	<u>4</u>	<u>N</u>	<u>" " "</u>	<u>152</u>	<u>172</u>	<u>20</u>	<u>137 - 154</u>		<u>WHITE CLAY</u>	<u>4</u>	<u>N</u>	<u>" " "</u>	<u>172</u>	<u>217</u>		<u>154 - 172</u>		<u>SAND</u>	<u>4</u>	<u>N</u>	<u>" " "</u>	<u>217</u>	<u>237</u>	<u>12</u>	<u>172 - 173</u>		<u>ROCK</u>							<u>173 - 219</u>		<u>RED CLAY</u>							<u>219 - 237</u>		<u>SAND</u>							<u>237 - 238</u>		<u>ROCK</u>						
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13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., <u>147</u> ft.		9) CEMENTING DATA [Rule 287.44(1)] Cemented from <u>0</u> ft. to <u>15</u> ft. No. of Sacks Used <u>2</u> _____ ft. to _____ ft. No. of Sacks Used _____ Method used <u>CONCRETE POURED</u> Cemented by <u>NWWSI</u>																																																																																															
14) WELL TESTS: Type Test: <input type="checkbox"/> Pump <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Jetted <input type="checkbox"/> Estimated Yield: <u>100</u> gpm with _____ ft. drawdown after _____ hrs.		10) SURFACE COMPLETION <input type="checkbox"/> Specified Surface Slab Installed [Rule 287.44(2)(A)] <input type="checkbox"/> Pitless Adapter Used [Rule 287.44(3)(B)] <input checked="" type="checkbox"/> Approved Alternative Procedure Used [Rule 287.71]																																																																																															
15) WATER QUALITY: Did the drilling penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		11) WATER LEVEL: Static level <u>81</u> ft. below land surface    Date <u>10290</u> Artesian flow _____ gpm.    Date _____																																																																																															
		12) PACKERS: <u>NONE</u> Type _____    Depth _____																																																																																															
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.																																																																																																	
COMPANY NAME <u>NEUENDORFF'S WATER WELL SVC</u> WELL DRILLER'S LICENSE NO. <u>3099</u> (Type or print)																																																																																																	
ADDRESS <u>P.O. Box 131</u> <u>COLUMBUS Tx 78934</u> (Street or RFD) (City) (State) (Zip)																																																																																																	
(Signed) <u>Ronald Neuendorf</u> (Signed) _____ (Licensed Well Driller) (Registered Driller Trainee)																																																																																																	
Please attach electric log, chemical analysis, and other pertinent information, if available.																																																																																																	
For TWC use only: Well No. <u>66-21-3</u> Located on map _____																																																																																																	



[GWDB Reports and Downloads](#)
[Well Basic Details](#)
[Scanned Documents](#)

State Well Number	6621305
County	Colorado
River Basin	Brazos-Colorado
Groundwater Management Area	15
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Colorado County GCD
Latitude (decimal degrees)	29.725
Latitude (degrees minutes seconds)	29° 43' 30" N
Longitude (decimal degrees)	-96.408612
Longitude (degrees minutes seconds)	096° 24' 31" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	112CHCT - Chicot Aquifer
Aquifer	Gulf Coast
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	275
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	238
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	10/2/1990
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Industrial
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	147
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Diversitech Corp. Well #2
Driller	Neuendorff's Water Well Service
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G0450080B
Groundwater Conservation District Well Number	
Owner Well Number	2
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Commission on Environmental Quality
Created Date	2/24/2011
Last Update Date	7/20/2016

**Remarks** Estimated yield 100 GPM. Cemented from 0 to 15 feet.

### Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
4	Blank	Plastic (PVC)			0	152
4	Screen				152	172
4	Blank	Plastic (PVC)			172	217
4	Screen				217	237

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

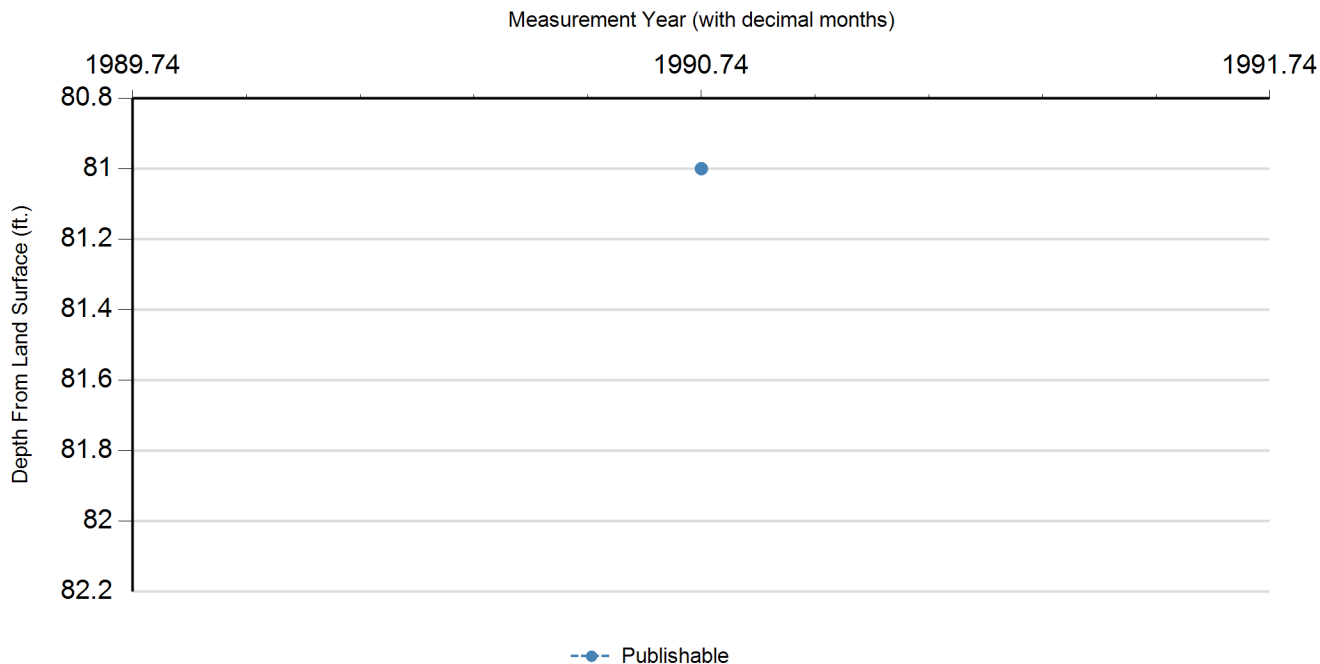
**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/2/1990		81		194	1	Registered Water Well Driller	Unknown		

### Code Descriptions

Status Code	Status Description
P	Publishable

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Water Quality Analysis - No Data Available

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GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<https://www.twdb.texas.gov/groundwater/data/gwdb rpt.asp>) is believed to be accurate and reliable; however, the 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 these data 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 the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at [GroundwaterData@twdb.texas.gov](mailto:GroundwaterData@twdb.texas.gov).



**ATTACHMENT P**  
**Groundwater Quality Assessment**

***Ground Water Quality Assessment  
Titan Production Equipment, LLC Property  
TPDES Permit Renewal Application  
2207 FM 949 Alleyton, Texas 78935  
WQ0011975001***

The Titan Production Equipment, LLC (Titan) property is located centrally in the eastern portion of Colorado County, Texas near the intersection of Interstate Highway 10 and FM 949. The Gulf Coast Aquifer is present in all of Colorado County and is the source of ground water to the area. The Chicot aquifer is the upper component of the Gulf Coast Aquifer and is the source of ground water to the Exterran facility and adjacent residences. Water quality is generally good in the shallower portion of the aquifer.

The Chicot aquifer consists mainly of discontinuous layers of sand and clay of about equal thickness. The Chicot aquifer includes all deposits from the land surface to the top of the Evangeline aquifer which is located immediately below the Chicot. All of the deposits in the Chicot aquifer contain fresh water. The thickness of the individual sand units in the aquifer range from a few feet to 500-feet. A Geohydrologic Section of the Chicot and the underlying layers is attached.

Water in the Chicot aquifer is typically a calcium bicarbonate type, but water from about 20 percent of the aquifer is a bicarbonate type. The Chicot aquifer contains hard to very hard water, but concentrations of dissolved solids vary greatly.

Land use in the area is typically scattered commercial/industrial in the Interstate Highway 10/FM 949 intersection area, residential and low intensity cattle operations. Titan land applies treated domestic wastewater from their facility and adjacent residences operate onsite wastewater treatment systems. There are no oilfield activities in the immediate area of the Titan facility. Accordingly, degradation products of wastewater treatment and disposal (nitrates and fecal coliform) are the primary concern with affecting ground water in the area.

A review of online data resources including the Texas Water Development Board, the Texas Commission on Environmental Quality and the Colorado County Ground Water Conservation District was performed to determine the availability of chemical analyses of ground water (specifically nitrates) in the area. Nitrate data was available for Titan's public water supply well which is screened from 298-feet below ground surface (bgs) to 317-feet bgs. Nitrate concentrations present in Titan's well were below 0.4 mg/L. The Maximum Concentration Level for nitrate is 10 mg/L. Accordingly, acceptable application of treated wastewater and the clay restrictive units in the aquifer appear to provide acceptable protection of the aquifer.

Nitrate ground water concentrations were not available for shallow adjacent residential wells. These wells are typically screened at depths less than 100-feet below ground surface. A simplified cross-section was developed from driller's logs from a nearby well southwest of the Titan facility trending northeast through the Titan facility then east to a neighboring water well. The cross-section is attached and indicates that a restrictive clay layer is present immediately

below the topsoil layer. The clay layer thickness ranges from 18-feet to 38-feet in the Titan property and adjacent area. The aquifer sands utilized by the adjacent neighbors is immediately below the restrictive clay layer.

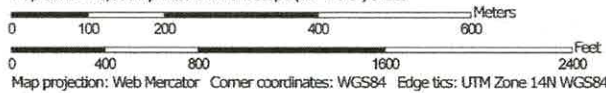
The clay layer presence, thickness and quality is suitable to restrict the movement of treated wastewater from the shallow soils to aquifer bearing sands. Accordingly, it is unlikely that land application in accordance with Texas Commission on Environmental Quality approved application rates will affect the shallow zones of the Chicot aquifer.

**ATTACHMENT Q**  
**Soil Map and Soil Analysis**

# Soil Map—Colorado County, Texas



Map Scale: 1:8,650 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge ties: UTM Zone 14N WGS84



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey



*James W. Weishuhn*  
**8-5-24**

**ATTACHMENT Q**  
**SOIL MAP**  
**TITAN PRODUCTION EQUIPMENT LLC**  
**ALLEYTON, TX**  
**COLORADO COUNTY**

Weishuhn Engineering Inc.  
1008 Live Oak St, P.O. BOX 358  
Columbus, Texas 78934  
(979) 732-6997-PHONE  
F-66


SCALE: AS SHOWN

DATE: 8/5/24


SHEET of


## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Colorado County, Texas

Survey Area Data: Version 16, Sep 14, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 23, 2015—Oct 17, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CmB	Cheetham loamy sand, 1 to 3 percent slopes	12.8	7.1%
MeA	Mentz fine sandy loam, 0 to 1 percent slopes	2.7	1.5%
MkB	Mockley fine sandy loam, 1 to 3 percent slopes	50.5	28.1%
RoB	Robco-Tanglewood complex, 1 to 5 percent slopes	0.6	0.3%
WyA	Wockley fine sandy loam, 0 to 1 percent slopes	112.8	62.9%
<b>Totals for Area of Interest</b>		<b>179.4</b>	<b>100.0%</b>



REPORT NUMBER

24-018-0153

COMPLETED DATE

Jan 26, 2024

RECEIVED DATE

Jan 18, 2024

ACCOUNT

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TODAY'S DATE

Jan 26, 2024

Weishuhn Engineering Inc  
Barbara Weishuhn  
PO BOX 358  
Columbus TX 78934

IDENTIFICATION

TITAN PEQ ANNUAL TLAP SOIL SAM

## SOIL ANALYSIS REPORT

INFO SHEET: 1669950

INFO SHEET: 1669950

LAB NUMBER  *429*	SAMPLE IDENTIFICATION	ORGANIC MATTER L.O.I. percent	MEHLICH III ICP					pH		CATION EXCHANGE CAPACITY C.E.C.  meq/100g	PERCENT BASE SATURATION (COMPUTED)				
			PHOSPHORUS	POTASSIUM	MAGNESIUM	CALCIUM	SODIUM	SOIL pH 1:1	BUFFER INDEX		% K	% Mg	% Ca	% H	% Na
			P ppm	K ppm	Mg ppm	Ca ppm	Na ppm								
73215	MkB 0-6"	0.9	30	65	74	366	23		6.9	3.3	5.1	18.7	55.5	17.7	3.0
73216	MkB 6-18"	1.2	17	74	118	449	43		6.9	4.1	4.6	24.0	54.8	12.0	4.6
73217	MkB 18-30"	1.4	10	72	148	476	51		6.9	4.9	3.8	25.2	48.6	17.9	4.5

LAB NUMBER  *429*	NITRATE-N (FIA)										MEHLICH III ICP						EXCESS LIME RATE	SOLUBLE SALTS 1:1 mmhos/ cm	
	SURFACE			SUBSOIL 1			SUBSOIL 2			Total lbs/A	SULFUR S ppm	ZINC Zn ppm	MANGANESE Mn ppm	IRON Fe ppm	COPPER Cu ppm	BORON B ppm			
	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)										
73215	2	4	0-6							4	10	1.8	8	230	0.6	0.2	L		
73216	1	4	6-18							4	12	0.6	4	170	0.7	0.3	L		
73217	1	4	18-30							4	15	0.4	2	130	0.6	0.3	L		

The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days.

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**Barbara Weishuhn**  
**PO BOX 358**  
**Columbus TX 78934**

IDENTIFICATION

**TITAN PEQ ANNUAL TLAP SOIL SAM****ADDITIONAL SOIL ANALYSIS**

Labnum *429*	Sample ID	Total Kjeldahl Nitrogen Kjeldahl ppm	Total Nitrogen LECO ppm
73215	MkB 0-6" <i>Depth: 0-6</i>	380	531
73216	MkB 6-18" <i>Depth: 6-18</i>	410	510
73217	MkB 18-30" <i>Depth: 18-30</i>	430	410

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IDENTIFICATION

**TITAN PEQ ANNUAL TLAP SOIL SAM****SODIUM ADSORPTION RATIO REPORT**

Method Lab Number Units	Sample Id	CALCULATED Sodium Adsorption Ratio	SATURATED PASTE EXTRACTION		
			Sodium (Water Soluble) mg/L	Magnesium (Water Soluble) mg/L	Calcium (Water Soluble) mg/L
42973215MkB	0-6"	0.8	24	14	48
42973216MkB	6-18"	1.4	34	9	28
42973217MkB	18-30"	1.7	35	6	20

*The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days.*

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**PO BOX 358**  
**Columbus TX 78934**

IDENTIFICATION  
**TITAN PEQ ANNUAL TLAP SOIL SAM**

**SOIL FERTILITY RECOMMENDATIONS (POUNDS PER ACRE)**

YOUR SAMPLE NUMBER <small>(LAB NUMBER)</small>	INTENDED CROP	YIELD GOAL	PREVIOUS CROP	SOIL AMENDMENTS				N NITROGEN	P <sub>2</sub> O <sub>5</sub> PHOSPHATE	K <sub>2</sub> O POTASH	Mg MAGNE- SIUM	S SULFUR	Zn ZINC	Mn MANGA- NESE	Fe IRON	Cu COPPER	B BORON
				LIME LBS/A OF	LIME TON	GYP-SUM TONS/A	ELEMENTAL SULFUR LBS/A										
MkB 0-6"  (42973215)	BERMUDA GRS HAY TON	10.0	BERMUDA GRS HAY TON					445									

The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days.  
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IDENTIFICATION

TITAN PEQ ANNUAL TLAP SOIL SAM

## SOIL ANALYSIS REPORT

INFO SHEET: 1669951

INFO SHEET: 1669951

LAB NUMBER  *429*	SAMPLE IDENTIFICATION	ORGANIC MATTER L.O.I. percent	MEHLICH III ICP					pH		CATION EXCHANGE CAPACITY C.E.C. meq/100g	PERCENT BASE SATURATION (COMPUTED)				
			PHOSPHORUS	POTASSIUM	MAGNESIUM	CALCIUM	SODIUM	SOIL pH 1:1	BUFFER INDEX		% K	% Mg	% Ca	% H	% Na
			P ppm	K ppm	Mg ppm	Ca ppm	Na ppm								
73218	Wya 0-6"	1.1	6	22	66	623	24			3.8	1.5	14.5	81.3	0.0	2.7
73219	Wya 6-18"	0.5	6	17	66	553	60			3.6	1.2	15.3	76.3	0.0	7.2
73220	Wya 18-30"	0.8	4	55	121	766	62			5.2	2.7	19.4	72.7	0.0	5.2

LAB NUMBER *429*	NITRATE-N (FIA)										MEHLICH III ICP						EXCESS LIME RATE	SOLUBLE SALTS 1:1 mmhos/ cm	
	SURFACE			SUBSOIL 1			SUBSOIL 2			Total lbs/A	SULFUR S ppm	ZINC Zn ppm	MANGANESE Mn ppm	IRON Fe ppm	COPPER Cu ppm	BORON B ppm			
	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)	ppm	lbs/A	depth (in)										
73218	1	2	0-6							2	7	5.5	52	163	1.2	0.3	L		
73219	1	4	6-18							4	7	2.7	40	119	1.1	0.2	L		
73220	1	4	18-30							4	8	0.8	22	80	0.6	0.2	L		

The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days.

Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

REPORT NUMBER

**24-018-0154**

COMPLETED DATE

**Jan 26, 2024**

RECEIVED DATE

**Jan 18, 2024**

ACCOUNT

**48430**

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**PAGE 2/4**

TODAY'S DATE

**Jan 26, 2024**

**Weishuhn Engineering Inc**  
**Barbara Weishuhn**  
**PO BOX 358**  
**Columbus TX 78934**

IDENTIFICATION

**TITAN PEQ ANNUAL TLAP SOIL SAM**

## ADDITIONAL SOIL ANALYSIS

Labnum *429*	Sample ID	Total Kjeldahl Nitrogen Kjeldahl ppm	Total Nitrogen LECO ppm
73218	Wya 0-6" <i>Depth: 0-6</i>	450	504
73219	Wya 6-18" <i>Depth: 6-18</i>	260	270
73220	Wya 18-30" <i>Depth: 18-30</i>	250	270

*The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days.*

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**PAGE 3/4**

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**Jan 26, 2024**

**Weishuhn Engineering Inc  
Barbara Weishuhn  
PO BOX 358  
Columbus TX 78934**

IDENTIFICATION

**TITAN PEQ ANNUAL TLAP SOIL SAM****SODIUM ADSORPTION RATIO REPORT**

Method Lab Number Units	Sample Id	CALCULATED Sodium Adsorption Ratio	SATURATED PASTE EXTRACTION		
			Sodium (Water Soluble) mg/L	Magnesium (Water Soluble) mg/L	Calcium (Water Soluble) mg/L
42973218Wya	0-6"	0.5	19	10	77
42973219Wya	6-18"	1.1	23	5	28
42973220Wya	18-30"	1.7	36	5	26

*The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days.*

*Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.*

REPORT NUMBER  
**24-018-0154**  
COMPLETED DATE  
**Jan 26, 2024**  
RECEIVED DATE  
**Jan 18, 2024**  
ACCOUNT  
**48430**



**Weishuhn Engineering Inc**  
**Barbara Weishuhn**  
**PO BOX 358**  
**Columbus TX 78934**

IDENTIFICATION  
**TITAN PEQ ANNUAL TLAP SOIL SAM**

**SOIL FERTILITY RECOMMENDATIONS (POUNDS PER ACRE)**

YOUR SAMPLE NUMBER <small>(LAB NUMBER)</small>	INTENDED CROP	YIELD GOAL	PREVIOUS CROP	SOIL AMENDMENTS				N NITROGEN	P <sub>2</sub> O <sub>5</sub> PHOSPHATE	K <sub>2</sub> O POTASH	Mg MAGNE- SIUM	S SULFUR	Zn ZINC	Mn MANGA- NESE	Fe IRON	Cu COPPER	B BORON
				LIME LBS/A OF	LIME TON	GYP SUM TONS/A	ELEMENTAL SULFUR LBS/A										
Wya 0-6"  <small>(42973218)</small>	BERMUDA GRS HAY TON	10.0	BERMUDA GRS HAY TON					450									

The above analytical results apply only to the sample(s) submitted. Samples are retained a maximum of 30 days.  
Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

**ATTACHMENT R**  
**Permit Application Voucher**





Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

**Transaction Information**

**Voucher Number:** 713640  
**Trace Number:** 582EA000618108  
**Date:** 07/18/2024 03:58 PM  
**Payment Method:** CC - Authorization 000004410P  
**Voucher Amount:** \$300.00  
**Fee Type:** WW PERMIT - FACILITY WITH FLOW < .05 MGD - RENEWAL  
**ePay Actor:** BARBARA WEISHUHN  
**Actor Email:** jbweis@sbcglobal.net  
**IP:** 70.120.192.112

**Payment Contact Information**

**Name:** BARBARA WEISHUHN  
**Company:** WEISHUHN ENGINEERING INC  
**Address:** 1008 LIVE OAK STREET, COLUMBUS, TX 78934  
**Phone:** 979-732-6997

**Site Information**

**RN:** RN100928696  
**Site Name:** COLUMBUS FACILITY WWTF  
**Site Address:** 2207 FM 949, ALLEYTON, TX 78935

**Customer Information**

**CN:** CN605551720  
**Customer Name:** TITAN PRODUCTION EQUIPMENT  
**Customer Address:** 2207 FM 949, ALLEYTON, TX 78935  
**State Franchise Tax ID:** 32067353212

**Other Information**

**Program Area ID:** 0011975001

[Close](#)



Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

**Transaction Information**

**Voucher Number:** 713641  
**Trace Number:** 582EA000618108  
**Date:** 07/18/2024 03:58 PM  
**Payment Method:** CC - Authorization 000004410P  
**Voucher Amount:** \$15.00  
**Fee Type:** 30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE  
**ePay Actor:** BARBARA WEISHUHN  
**Actor Email:** jbweis@sbcglobal.net  
**IP:** 70.120.192.112

**Payment Contact Information**

**Name:** BARBARA WEISHUHN  
**Company:** WEISHUHN ENGINEERING INC  
**Address:** 1008 LIVE OAK STREET, COLUMBUS, TX 78934  
**Phone:** 979-732-6997

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**From:** [Weishuhn Engineering Inc](#)  
**To:** [Alan Barraza](#)  
**Cc:** [Mike.Grimland@titanpeg.com](mailto:Mike.Grimland@titanpeg.com); [April Hoh](#); [Savannah Jackson](#)  
**Subject:** Re: WQ0011975001 Titan Production Equipment LLC NOD  
**Date:** Monday, August 5, 2024 3:31:41 PM  
**Attachments:** [00-Titan TLAP RESubmittal.pdf](#)

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Good Afternoon WQA Team,

Attached is the revised permit application with updated Domestic Worksheet 3.0, Sections 8.A. and 8.B. The Information has been updated to be technically complete and accurate.

Best,  
Zach Lesikar

On Fri, Aug 2, 2024 at 9:56 AM Alan Barraza <[Alan.Barraza@tceq.texas.gov](mailto:Alan.Barraza@tceq.texas.gov)> wrote:

The Water Quality Assessment (WQA) Team of the Texas Commission on Environmental Quality has completed a preliminary review of the permit application information and identified deficiencies (attached) that must be addressed before the WQA Team can continue with the technical review. The deficient item(s) will require your response in a timely, complete, and accurate manner.

An accurate and complete revised permit application is essential for making recommendations to the commission regarding whether this permit should be issued. Based on the information provided in the application, the executive director does not have sufficient information to make a recommendation. Therefore, you must send updated technically complete and accurate information within **14 days** (August 16<sup>th</sup>) of the date of this email.

Please let us know if you have any questions.



**Alan Barraza**

Agronomist | Water Quality  
Assessment

TCEQ | Water Quality Division | MC  
150

Direct: 512-239-4642

Fax: 512-239-4420

12100 Park 35 Circle

Austin, TX 78753



**From:** [Weishuhn Engineering Inc](#)  
**To:** [Shemica Wilford](#)  
**Cc:** [Kimberly Kendall](#)  
**Subject:** Re: WQ0011975001 Titan Production Equipment, LLC  
**Date:** Thursday, January 30, 2025 9:06:27 AM

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Approved. We have no changes - please proceed.

On Tue, Jan 28, 2025 at 4:26 PM Shemica Wilford <[Shemica.Wilford@tceq.texas.gov](mailto:Shemica.Wilford@tceq.texas.gov)> wrote:

To whom it may concern,

Attached for your review, is the letter, DRAFT permit, NAPD, and statement of basis/technical summary, for Permit WQ0011975001 Titan Production Equipment, LLC.

Alternative language notice in Spanish is available at <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices> El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>

Please note, a translated copy of the NAPD in the alternative language must be submitted with your comments on the draft permit. If a translated NAPD is not received, the draft permit cannot be filed with the Office of the Chief Clerk. For notice templates in Spanish, please visit: [https://www.tceq.texas.gov/permitting/wastewater/review/napd/wqspanish\\_napd.html](https://www.tceq.texas.gov/permitting/wastewater/review/napd/wqspanish_napd.html)

Please submit any **comments and/or approval** no later than, **Tuesday, February 4, 2025**. If the comments and/ or approval are not received by the given deadline, it may cause significant delays in the permit process. Please contact Kimberly Kendall with your comments and/ or approval to: [Kimberly.Kendall@tceq.texas.gov](mailto:Kimberly.Kendall@tceq.texas.gov).

# Texas Commission on Environmental Quality

## INTEROFFICE MEMORANDUM

To: Deba Dutta, P.E., Team Leader  
Municipal Permits Team, Wastewater Permitting Section

Date:

From: Kimberly Kendall, P.E., Municipal Permits Team

APPLICANT: Titan Production Equipment, LLC

PLANT NAME: Columbus Facility WWTP

TCEQ PERMIT NO: WQ0011975001

FILE NAME: [WQ0011975001 Titan Prod Equip Draft Permit Package.docx](#)

Admin Complete: 8/5/24  
Groundwater Impact Evaluation: 10/24/25  
Assign Date: 10/25/24

Tech Complete:  
RFI Letter Date:  
Response Letter:

### PERMIT TYPE

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Public Domestic               | <input checked="" type="checkbox"/> Minor (< 1 MGD)        | <input type="checkbox"/> Permitted Sludge or Biosolids Disposal |
| <input checked="" type="checkbox"/> Private Domestic   | <input type="checkbox"/> Major ( $\geq 1$ MGD)             | <input type="checkbox"/> Water Treatment Plant                  |
| <input checked="" type="checkbox"/> Surface Irrigation | <input type="checkbox"/> Subsurface Disposal (Drain field) | <input type="checkbox"/> Evaporation                            |

### PERMIT ACTION:

Renewal

- | YES                                 | NO                                  |   |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Transmittal letter to applicant   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Statement of Basis/Technical Summary and ED Preliminary Decision  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Permit Draft  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Authorization to land apply or dispose of Class B WWTP Biosolids or sewage sludge on property adjacent to WWTP in draft permit:                     |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | includes appropriate other requirements (including quarterly and annual reporting, soil monitoring, language in notice and fact sheet, attachments: |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | FACILITY PROCESS FORM for PARIS   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | NOTICE for admin complete on or after 9/1/99  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | CAPTION (also saved in I:\EVERYONE\ewq\CAPTION)   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Legislative Notice (SB709) required (saved in I:\WQ\Muni\ LEGISLATIVE NOTICE)   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | LOCATED IN THE COASTAL ZONE (if located in coastal zone, include CMP Threshold Review Sheet)  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | SPELLCHECK: DRAFT PERMIT/TECH SUM/SOB/FACT SHEET/NOTICE/LETTER(S)   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <b>SCHEDULE FOR ERC Part A:</b> Permits in Edwards Aquifer are scheduled for ERC Part A.  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <b>COMPLIANCE HISTORY:</b> CN= --- (Unclassified) and RN= --- (Unclassified)  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Enforcement orders  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Changes to the draft permit made based on discussion at ERC   |

**COMMENTS:** Renewal of TCEQ Permit No. WQ0011975001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 6,000 gallons per day via surface irrigation of 10 acres of non-public access pastureland. Special Provisions No. 5 and 18 were updated from the existing permit. Special Provisions No. 11, 12, and 22 were added to draft permit.

**Request for Comments on Draft Permit**  
**TCEQ – Water Quality Division**  
**Phone: (512)239-4671**  
**Fax: (512)239-4430**  
**Mailing Address: TCEQ, Water Quality Division, P.O. Box 13087, Austin, TX 78711-3087**

TO: Region: **12**

Submitted by: **Kimberly Kendall, P.E.**

E-Mail ID: **kimberly.kendall@tceq.texas.gov**

Phone: **(512) 239-4540**

Date Request Submitted:

Comments Deadline: Within 7 days

Date Application Received by TCEQ in Austin: **July 18, 2024**

**REGIONAL OFFICES:** The entity below has submitted an application for the project referenced below in accordance with regulations of the TCEQ. Please return comments ASAP, but no later than the comments deadline, which is 10 days from the submittal date. Permit disposition will proceed after comments are received or after the comments deadline has passed. If no comments are received within this time frame, we will assume you have no comments or objections to the project as proposed. Please return a complete copy of the form (both sides) with your comments.

PROJECT TYPE: **Renewal**

TEAM ASSIGNED: **MUNICIPAL**

APPLICATION TYPE: **TLAP**

REGULATED ENTITY NO.: **RN100928696**

PERMIT NO.: **WQ0011975001**

CUSTOMER REFERENCE NO.: **CN605551720**

COMPANY NAME: **Titan Production Equipment, LLC**

PLANT NAME: **Columbus Facility WWTF**

ADDRESS: **2207 Farm-to-Market Road 949, Alleyton, Texas 78935**

SEGMENT: **1302**

COUNTY: **Colorado**

TECHNICAL CONTACT: **Mr. James Weishuhn, P.E.**

PHONE: **832-691-0725**

PERMIT CLASSIFICATION: **MINOR**

COMPLIANCE RATING: **CN= --- (Unclassified) and RN= --- (Unclassified)**

**SUMMARY OF APPLICATION REQUEST:** Renewal of TCEQ Permit No. WQ0011975001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 6,000 gallons per day via surface irrigation of 10 acres of non-public access pastureland.

**PERMIT WRITER COMMENTS:** Special Provisions No. 5 and 18 were updated from the existing permit. Special Provisions No. 11, 12, and 22 were added to draft permit.

**RESPONSE TO REQUEST FOR COMMENTS ON DRAFT PERMIT**

**TO: Kimberly Kendall, P.E.**

**FROM: Region: 12**

Copy of Application Received by your Office: ☐ YES ☐ NO      Date Received: \_\_\_\_\_

**COMPANY NAME: Titan Production Equipment, LLC**

**PERMIT NO.: WQ0011975001**

**REGULATED ENTITY NO: RN100928696**

Investigator's/Compliance Officer's Name (Please Print): \_\_\_\_\_

Phone: \_\_\_\_\_

Comments Deadline (from pg. 1):

Date of Last Site Visit: \_\_\_\_\_

**COMMENTS ON CONDITIONS: (Please mark up the draft special conditions with your comments. Please address applicability and enforceability. List any additional conditions below):**

**Compliance Determination Conditions:** \_\_\_\_\_

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**Operational Limitations:** \_\_\_\_\_

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**General Comments:** \_\_\_\_\_

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Brooke Paup, *Chairwoman*  
Bobby Janecka, *Commissioner*  
Catarina R. Gonzales, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

Mr. Mike Grimland  
Titan Production Equipment, LLC  
2207 Farm-to-Market Road 949  
Alleyton, Texas 78935

Re: Titan Production Equipment, LLC - Proposed TCEQ Permit No. WQ0011975001  
(CN605551720; RN100928696)

Dear Mr. Grimland:

Enclosed for your review and comment is a copy of a draft proposed permit and technical summary for the above-referenced operation. This draft permit is subject to further staff review and modification; however, we believe it generally includes the terms and conditions that are appropriate to your discharge. **Please read the entire draft carefully and note the following:**

1. The draft permit will be issued to expire **ten years from the date of issuance**, according to 30 Texas Administrative Code (TAC) Section 305.127(1)(C)(ii)(III), Conditions to be Determined for Individual Permits.
2. The Sludge Provisions, Special Provisions, and Standard Provisions have been revised in the draft permit.
3. The draft permit includes all updates based on the 30 TAC 312 rule change effective April 23, 2020.
4. This application was declared administratively complete on August 5, 2024. Please note, a translated copy of the NAPD in the alternative language must be submitted with your comments on the draft permit. If a translated NAPD is not received, the draft permit cannot be filed with the Office of the Chief Clerk. For notice templates in Spanish, please visit:  
[https://www.tceq.texas.gov/permitting/wastewater/review/napd/wqspanish\\_napd.html](https://www.tceq.texas.gov/permitting/wastewater/review/napd/wqspanish_napd.html).
5. Special Provisions No. 5 and 18 were updated from the existing permit.
6. Special Provisions No. 11, 12, and 22 were added to draft permit.

Mr. Mike Grimland  
Page 2

Also enclosed for your review and comment is a copy of the draft second notice, the Notice of Application and Preliminary Decision (NAPD), that was prepared for your application. Please review this notice and provide comments if there are any inaccuracies or any information that is not consistent with your application. Please do not publish the notice at this time; after the draft permit is filed with the Office of the Chief Clerk, you will receive instructions for publishing this notice in a newspaper from the Office of the Chief Clerk. Please note that these instructions will not be mailed if the Office of the Chief Clerk has not received the requested proof that the first notice (Notice of Receipt and Intent to Obtain a Permit) has been published. This could cause delays in the processing of your application and the final issuance of the proposed draft permit. When the NAPD notice is received, please publish promptly and submit proof of publication (affidavit and tearsheet) to the Office of the Chief Clerk. Failure to publish notice and submit proof of publication in a timely manner may result in returning of the application and loss of authorization to operate.

It is your responsibility to submit your comments on the draft permit prior to the deadline that is indicated in the email. Comments can be sent to [kimberly.kendall@tceq.texas.gov](mailto:kimberly.kendall@tceq.texas.gov) in place of or in addition to a hard copy.

If you have any comments or questions, please contact me at (512) 239-4540 or if by correspondence, include MC 148 in the letterhead address following my name.

Sincerely,

*Kimberly Kendall*

Kimberly Kendall, P.E., Permit Coordinator  
Municipal Permits Team  
Wastewater Permitting Section (MC 148)  
Water Quality Division  
Texas Commission on Environmental Quality

Enclosures

cc: Mr. James Weishuhn, P.E., Weishuhn Engineering, Inc., P.O. Box 358, Columbus,  
Texas 78934

Brooke Paup, *Chairwoman*  
Bobby Janecka, *Commissioner*  
Catarina R. Gonzales, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

**Date**, 2025

Mr. Mike Grimland  
Titan Production Equipment, LLC  
2207 Farm-to-Market Road 949  
Alleyton, Texas 78935

RE: Notice of Preliminary Decision and Draft Permit  
Applicant Name: Titan Production Equipment, LLC  
Facility Name: Columbus Facility WWTP  
Permit No.: WQ0011975001  
Customer Reference Number: CN605551720  
Regulated Entity Number: RN100928696  
Type of Application: Renewal

Dear Mr. Grimland:

The executive director has completed the technical review of the above referenced application, received on July 18, 2024 and has prepared a preliminary decision and draft permit.

You are now required to publish another notice of your proposed activity. To help you meet the requirements associated with this notice, we have included the following items:

- Instructions for Public Notice
- Notice for Newspaper Publication
- Publisher's Affidavits
- Draft Permit
- Executive Director's Preliminary Decision
- Public Notice Verification Form

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. You must publish the enclosed notice within as soon as possible, but no later than 45 days from the date on the cover letter. **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, you must place the following items in a public place in the county where the facility is or will be located.
  - (a) a copy of your permit application, including any subsequent revisions;
  - (b) the executive director's preliminary decision as contained in the technical summary and fact sheet; and
  - (c) the draft permit, including any subsequent revisions.

These items must be accessible to the public for review and copying, must be updated to reflect changes to the application, and must remain in place until the commission has taken action on the application or the commission refers issues to the State Office of Administrative Hearings.

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 the individual in the permitting area assigned to your application.

Sincerely,

Laurie Gharis  
Chief Clerk  
Office of the Chief Clerk  
Texas Commission on Environmental Quality

LG/KK/CIA team member initials

Enclosures

Mr. Mike Grimland, Page 3  
**Date**, 2025  
Permit No. WQ0011975001

bcc: TCEQ Region 12, Water Program Manager

Brooke Paup, *Chairwoman*  
Bobby Janecka, *Commissioner*  
Catarina R. Gonzales, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

**Date**, 2025

Mr. Mike Grimland  
Titan Production Equipment, LLC  
2207 Farm-to-Market Road 949  
Alleyton, Texas 78935

RE: Permit Application  
Permit No.: WQ0011975001  
Titan Production Equipment, LLC  
Columbus Facility WWTP  
Alleyton, Texas 78935, Colorado County  
Customer Reference Number: CN605551720  
Regulated Entity Number: RN100928696

Dear Mr. Grimland:

The Texas Commission on Environmental Quality (TCEQ) has made a preliminary decision on the above-referenced permit applications. In accordance with Title 30 Texas Administrative Code § 39.419(b), you are now required to publish Notice of Application and Preliminary Decision. You must provide a copy of the preliminary decision letter with the draft permit at the public place referenced in the public notice.

If you have any questions, please contact the individual in the permitting area assigned to your application, or write to the TCEQ, Office of Water, Water Quality Division, MC-148, Austin, Texas, 78711-3087.

Sincerely,

Matthew Udenenwu  
Section Manager, Wastewater Permitting  
Office of Water  
Texas Commission on Environmental Quality

MU/KK/CIA team member initials

Enclosures

Mr. Mike Grimland, Page 2  
Date, 2025  
Permit No. WQ0011975001

cc: TCEQ Region 12, Water Program Manager

**AGENDA CAPTION FOR PERMIT NO. WQ0011975001**

Titan Production Equipment, LLC has applied for a renewal of TCEQ Permit No. WQ0011975001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 6,000 gallons per day via surface irrigation of 10 acres of non-public access pastureland. This permit will not authorize a discharge of pollutants into water in the state. The wastewater treatment facility and disposal site are located at 2207 Farm-to-Market Road 949, in Colorado County, Texas 78935.



**PARIS FACILITY EXTENSION - TREATMENT PROCESS**  
**TCEQ PERMIT NO. WQ0011975001**

Permittee: Titan Production Equipment, LLC  
Plant: Columbus Facility WWTP  
Appl. Type: Renewal      ☐ Interim      ☐ Interim      ☐ Interim III      ☒ Final

**WASTEWATER TREATMENT**

**Primary Treatment**

**02 Preliminary treatment – bar screen**

03 Preliminary treatment – grit removal

04 Preliminary treatment -

05 Preliminary treatment - others

B1 Imhoff tank

06 Scum removal

**07 Flow equalization basins**

08 Preaeration

09 Primary sedimentation

D2 Septic tank

A5 Facultative lagoon

**Secondary Treatment**

10 Trickling filter – rock media

11 Trickling filter – plastic media

12 Trickling filter – redwood slats

13 Trickling filter – other media

14 Activate sludge – conventional

15 Activate sludge – complete mix

16 Activate sludge – contact

**17 Activated sludge – extended aeration**

18 Pure oxygen activate sludge

19 Bio-Disc (rotating biological filter)

20 Oxidation ditch

21 Clarification using tube settlers

**22 Secondary clarification**

B6 Constructed wetlands

E5 Natural treatment

E6 Overland flow

**Advanced Treatment - Biological**

23 Biological nitrification – separate

24 Biological nitrification – combined

25 Biological denitrification

26 Post aeration (reaeration)

**Advanced Treatment –**

27 Microstrainers – primary

28 Microstrainers – secondary

D1 Dunbar Beds

29 Sand filters

30 Mix media filters (sand and coal)

31 Other filtrations

B2 Bubble diffuser (compressor)

32 Activated carbon – granular

B3 Mechanical surface aerator

33 Activated carbon-powered

34 Two stage lime treatment of raw

35 Two stage tertiary lime treatment

36 Single stage lime treatment of raw

37 Single stage tertiary lime treatment

38 Recarbonation

39 Neutralization

40 Alum addition to primary

41 Alum addition to secondary

42 Alum addition to separate state

43 Ferri-chloride addition to primary

44 Ferri-chloride addition to secondary

45 Ferri-chloride addition to separate

46 Other chemical additions

47 Ion exchange

48 Breakpoint chlorination

49 Ammonia stripping

50 Dechlorination

**Disinfection**

51 Chlorination for disinfection

52 Ozonation for disinfection

53 Other disinfection

D3 Ultra violet light

**Land Treatment**

54 Land treatment of primary effluent

55 Land treatment of secondary effluent

56 Land treatment of intermediate  
(less than secondary)

**Other Treatment**

57 Stabilization ponds

58 Aerated lagoons

59 Outfall pumping

60 Outfall diffuser

61 Effluent to other plants

62 Effluent outfall

63 Other treatment

64 Evapo-transpiration beds

64 Recalcination

**Disposal Method**

A7 Irrigation – public access

A8 Irrigation – agricultural

B4 Evapo-transpiration beds

B6 Constructed wetlands

**C1 Irrigation – pastureland**

D4 Pressure dosing system

D5 Percolation system

D8 Other reuse method

E1 Evaporation/plays

E2 Discharge only

E3 Discharge and (use other #)

E4 Injection well(s)

**SLUDGE TREATMENT**

**65 Aerobic digestion – air**

66 Aerobic digestion – oxygen

67 Composting

68 Anaerobic digestion

69 Sludge lagoons

70 Heat treatment – dryer

71 Chlorine oxidation of sludge

72 Lime stabilization

73 Wet air oxidation

74 Dewatering – sludge drying beds,

F2 Dewatering – sludge drying bed

75 Dewatering – mechanical-vacuum

76 Dewatering – mechanical – centrifuge

77 Dewatering – mechanical – filter press

78 Dewatering – others

79 Gravity thickening

80 Air flotation thickening

D6 Sludge holding tank

**Incineration**

81 Incineration – multiple hearth

82 Incineration – fluidized beds

83 Incineration – rotary kiln

84 Incineration – others

85 Pyrolysis

86 Co-incineration with solid waste

87 Co-pyrolysis with solid waste

88 Co-incineration - others

**SLUDGE DISPOSAL**

**89 Co-disposal landfill**

D7 Sludge – only monofill

90 Land application (permitted)

**91 Commercial land application**

92 Trenching

**B5 Transport to another WWTP**

F3 Transport to Regional compost facility

94 Other sludge handling

95 Digest gas utilization facilities

**E7 Commercial land application**

F4 Dedicated land disposal

F5 Marketing and distribution

F6 Marketing and distribution non-

**MISCELLANEOUS**

01 Pumping raw wastewater

96 Control/lab/maintenance buildings

97 Fully automated using digital control -

98 Fully automated using analog control

99 Semi-automated plant

A1 Manually operated and controlled

A2 Package plant

A3 Semi-package plant

A4 Custom built plant

A7 Irrigation – public access

A8 Irrigation – agriculture

**A9 Effluent storage ponds (irrigation)**

C1 Irrigation – pastureland

D8 Other reuse method

D9 Emergency holding ponds

E1 Evaporation or playa

E8 Monitoring wells

E9 Biomonitoring

F7 Stormwater (SSO)

F8 Unconventional

PERMIT: Kimberly Kendall, P.E.  
Municipal Permits Team  
Water Quality Division, Wastewater Permitting Section  
Date: January 28, 2025



# Compliance History Report

Compliance History Report for CN605551720, RN100928696, Rating Year 2023 which includes Compliance History (CH) components from September 1, 2018, through August 31, 2023.

<b>Customer, Respondent, or Owner/Operator:</b>	CN605551720, Titan Production Equipment, LLC	<b>Classification:</b> UNCLASSIFIED	<b>Rating:</b> -----
<b>Regulated Entity:</b>	RN100928696, TITAN PRODUCTION EQUIPMENT	<b>Classification:</b> UNCLASSIFIED	<b>Rating:</b> -----
<b>Complexity Points:</b>	14	<b>Repeat Violator:</b>	NO
<b>CH Group:</b>	14 - Other		
<b>Location:</b>	2207 FM 949 ALLEYTON, TX 78935-2034, COLORADO COUNTY		
<b>TCEQ Region:</b>	REGION 12 - HOUSTON		

## ID Number(s):

**PUBLIC WATER SYSTEM/SUPPLY** REGISTRATION 0450040

**AIR NEW SOURCE PERMITS** AFS NUM 4808900025

**AIR NEW SOURCE PERMITS** REGISTRATION 140193

**STORMWATER** PERMIT TXR05EB90

**AIR EMISSIONS INVENTORY** ACCOUNT NUMBER CR0047F

**INDUSTRIAL AND HAZARDOUS WASTE** EPA ID TXD987968864

**AIR NEW SOURCE PERMITS** REGISTRATION 46004

**AIR NEW SOURCE PERMITS** PERMIT 46955

**AIR NEW SOURCE PERMITS** PERMIT 161661

**WASTEWATER** PERMIT WQ0011975001

**POLLUTION PREVENTION PLANNING** ID NUMBER P09482

**INDUSTRIAL AND HAZARDOUS WASTE** SOLID WASTE REGISTRATION # (SWR) 39550

**Compliance History Period:** September 01, 2018 to August 31, 2023 **Rating Year:** 2023 **Rating Date:** 09/01/2023

**Date Compliance History Report Prepared:** August 12, 2024

**Agency Decision Requiring Compliance History:** Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.

**Component Period Selected:** July 18, 2019 to August 12, 2024

## TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.

**Name:** PT

**Phone:** (512) 239-3581

## Site and Owner/Operator History:

- 1) Has the site been in existence and/or operation for the full five year compliance period? YES
- 2) Has there been a (known) change in ownership/operator of the site during the compliance period? NO

## Components (Multimedia) for the Site Are Listed in Sections A - J

### A. Final Orders, court judgments, and consent decrees:

N/A

### B. Criminal convictions:

N/A

### C. Chronic excessive emissions events:

N/A

### D. The approval dates of investigations (CCEDS Inv. Track. No.):

Item 1 July 26, 2021 (1739615)

### E. Written notices of violations (NOV) (CCEDS Inv. Track. No.):

A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.

N/A

**F. Environmental audits:**

N/A

**G. Type of environmental management systems (EMSs):**

N/A

**H. Voluntary on-site compliance assessment dates:**

N/A

**I. Participation in a voluntary pollution reduction program:**

N/A

**J. Early compliance:**

N/A

**Sites Outside of Texas:**

N/A

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



## NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR WATER QUALITY LAND APPLICATION PERMIT FOR MUNICIPAL WASTEWATER

### RENEWAL

**PERMIT NO. WQ0011975001**

**APPLICATION AND PRELIMINARY DECISION.** Titan Production Equipment, LLC, 2207 Farm-to-Market Road 949, Alleyton, Texas 78935, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0011975001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 6,000 gallons per day via surface irrigation of 10 acres of non-public access pastureland. This permit will not authorize a discharge of pollutants into water in the state. TCEQ received this application on July 18, 2024.

The wastewater treatment facility and disposal site are located at 2207 Farm-to-Market Road 949, in Colorado County, Texas 78935. The wastewater treatment facility and disposal site are located in the drainage basin of San Bernard River Above Tidal in Segment No. 1302 of the Brazos-Colorado Coastal Basin. 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=-96.423888,29.726388&level=18>

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 Nesbitt Memorial Library, 529 Washington Street, Columbus, in Colorado 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/tlap-applications>.

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>.

[notices.](#)

**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 comments or to ask questions about the application. TCEQ holds 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 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 a contested case hearing or reconsideration of the Executive Director's decision.** A contested case hearing is a legal proceeding similar to a civil trial in a state district court.

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

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

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period. TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.**

**EXECUTIVE DIRECTOR ACTION.** The Executive Director may issue final approval of the application unless a timely contested case hearing request or 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 request 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 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.

**All written public comments and public meeting requests must be submitted to the Office of the Chief Clerk, MC 105, Texas Commission on Environmental Quality, P.O. Box 13087, Austin, TX 78711-3087 or electronically at [www.tceq.texas.gov/goto/comment](http://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 [www.tceq.texas.gov/goto/cid](http://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 [www.tceq.texas.gov/goto/comment](http://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. Any personal information you submit to the TCEQ will become part of the agency's record; this includes email addresses. 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](http://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 Titan Production Equipment, LLC at the address stated above or by calling Mr. Mike Grimland, Titan Production Equipment, LLC, at 281-607-7101.

Issuance Date \_\_\_\_\_

Senate Bill 709 (84th Legislative Session, 2015) amended the Texas Water Code by adding new Section 5.5553, which requires the Texas Commission on Environmental Quality (TCEQ) to provide written notice to you at least thirty (30) days prior to the TCEQ's issuance of draft permits for applications that are located in your district.

Titan Production Equipment, LLC, 2207 Farm-to-Market Road 949, Alleyton, Texas 78935, has applied to the TCEQ to renew Texas Land Application Permit No. WQ0011975001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 6,000 gallons per day via surface irrigation of 10 acres of non-public access pastureland. The domestic wastewater treatment facility and disposal area are located at 2207 Farm-to-Market Road 949, in Colorado County, Texas 78935. TCEQ received this application on July 18, 2024. The permit application will be available for viewing and copying at Nesbitt Memorial Library, 529 Washington Street, Columbus, in Colorado 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/tlap-applications>. 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=-96.423888,29.726388&level=18>

TCEQ is preparing the initial draft permit. At the time the draft permit is issued, the applicant will be required to publish notice in a newspaper of general circulation, and the TCEQ will provide a copy of the notice of draft permit to persons who have requested to be on a mailing list.

Questions regarding this application may be directed to Mr. Deba Dutta by calling 512-239-4608.

Issuance Date: \_\_\_\_\_



## COMISIÓN DE TEXAS SOBRE CALIDAD AMBIENTAL

### AVISO DE SOLICITUD Y DECISIÓN PRELIMINAR PARA EL PERMISO DE SOLICITUD DE TERRENO PARA CALIDAD DEL AGUA

#### PARA LA RENOVACIÓN DEL SERVICIO DE AGUAS RESIDUALES MUNICIPALES

PERMISO N.º WQ0011975001

SOLICITUD Y DECISIÓN PRELIMINAR. Titan Production Equipment, LLC, 2207 Farm-to-Market Road 949, Alleyton, Texas 78935, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) la renovación del Permiso N.º WQ0011975001 de la TCEQ, que autoriza la eliminación de aguas residuales domésticas tratadas con un caudal medio diario que no supere los 6000 galones por día mediante riego superficial de 10 acres de pastizales de acceso no público. Este permiso no autoriza la descarga de contaminantes en el agua del estado. La TCEQ recibió esta solicitud el 18 de julio de 2024.

La instalación de tratamiento de aguas residuales y el sitio de eliminación están ubicados en 2207 Farm-to-Market Road 949, en el condado de Colorado, Texas 78935. La instalación de tratamiento de aguas residuales y el sitio de eliminación están ubicados en la cuenca de drenaje del río San Bernard por encima de la marea en el segmento n.º 1302 de la cuenca costera de Brazos-Colorado. Este enlace a un mapa electrónico de la ubicación general del sitio o la instalación se proporciona como cortesía pública y no forma parte de la solicitud ni del aviso. Para conocer la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.423888,29.726388&level=18>

El director ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. El borrador del permiso, si se aprueba, establecería las condiciones en las que debe funcionar la instalación. El Director Ejecutivo ha tomado una decisión preliminar de que este permiso, si se emite, cumple con todos los requisitos legales y reglamentarios. La solicitud de permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para su visualización y copia en la Biblioteca Nesbitt Memorial, 529 Washington Street, Columbus, en el condado de Colorado, Texas. La solicitud, incluidas las actualizaciones y los avisos asociados, están disponibles electrónicamente en la siguiente página web:

[https://www.tceq.texas.gov/permitting/wastewater/pending\\_permits/tlap-applications](https://www.tceq.texas.gov/permitting/wastewater/pending_permits/tlap-applications).

AVISO DE LENGUAJE ALTERNATIVO. El aviso de lenguaje alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>.

COMENTARIO PÚBLICO/REUNIÓN PÚBLICA. Puede enviar comentarios públicos o solicitar una reunión pública sobre esta solicitud. El propósito de una reunión pública es brindar la



oportunidad de enviar comentarios o hacer preguntas sobre la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que existe un grado significativo de interés público en la solicitud o si lo solicita un legislador local. Una reunión pública no es una audiencia de caso impugnado.

**OPORTUNIDAD PARA UNA AUDIENCIA DE CASO IMPUGNADO.** Después de la fecha límite para enviar comentarios públicos, el Director Ejecutivo considerará todos los comentarios oportunos y preparará una respuesta a todos los comentarios públicos relevantes y materiales o significativos. A menos que la solicitud se derive directamente para una audiencia de caso impugnado, la respuesta a los comentarios se enviará por correo a todos los que enviaron comentarios públicos y a las personas que están en la lista de correo para esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar una audiencia de caso impugnado o la reconsideración de la decisión del Director Ejecutivo. Una audiencia de caso impugnado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

**PARA SOLICITAR UNA AUDIENCIA DE CASO CONTESTADO, DEBE INCLUIR LOS SIGUIENTES ELEMENTOS EN SU SOLICITUD:** su nombre, dirección, número de teléfono; el nombre del solicitante y el número de permiso propuesto; la ubicación y distancia de su propiedad/actividades en relación con la instalación propuesta; una descripción específica de cómo se vería afectado negativamente por la instalación de una manera no común para el público en general; una lista de todos los asuntos de hecho en disputa que presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito una audiencia de caso controvertido". Si la solicitud de audiencia de caso controvertido se presenta en nombre de un grupo o asociación, la solicitud debe designar al representante del grupo para recibir correspondencia futura; identificar por nombre y dirección física a un miembro individual del grupo que se vería afectado negativamente por la instalación o actividad propuesta; proporcionar la información discutida anteriormente sobre la ubicación y distancia del miembro afectado de la instalación o actividad; explicar cómo y por qué el miembro se vería afectado; y explicar cómo los intereses que el grupo busca proteger son relevantes para el propósito del grupo.

Una vez finalizados todos los períodos de comentarios y solicitudes correspondientes, el Director Ejecutivo enviará la solicitud y cualquier solicitud de reconsideración o de audiencia de caso impugnado a los Comisionados de la TCEQ para que las consideren en una reunión programada de la Comisión.

La Comisión solo puede conceder una solicitud de audiencia de caso impugnado sobre cuestiones que el solicitante presentó en sus comentarios oportunos y que no fueron retiradas posteriormente. Si se concede una audiencia, el tema de la misma se limitará a cuestiones de hecho en disputa o cuestiones mixtas de hecho y derecho relacionadas con inquietudes relevantes y materiales sobre la calidad del agua presentadas durante el período de comentarios. La TCEQ puede actuar sobre una solicitud de renovación de un permiso para la descarga de aguas residuales sin brindar una oportunidad para una audiencia de caso impugnado si se cumplen ciertos criterios.

**ACCIÓN DEL DIRECTOR EJECUTIVO.** El Director Ejecutivo puede emitir la aprobación final de la solicitud a menos que se presente una solicitud de audiencia de caso impugnado o una solicitud de reconsideración en tiempo y forma. Si se presenta una solicitud de audiencia o una solicitud de reconsideración en tiempo y forma, el Director Ejecutivo no emitirá la aprobación

final del permiso y enviará la solicitud y la solicitud a los Comisionados de la TCEQ para su consideración en una reunión programada de la Comisión.

**LISTA DE CORREO.** Si presenta comentarios públicos, una solicitud de audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se lo agregará a la lista de correo para esta solicitud específica para recibir futuras notificaciones públicas enviadas por la Oficina del Secretario en Jefe. Además, puede solicitar que se lo incluya en: (1) la lista de correo permanente para un nombre de solicitante y número de permiso específicos; y/o (2) la lista de correo para un condado específico. Si desea que se lo incluya en la lista de correo permanente y/o en la lista de correo del condado, especifique claramente qué lista(s) y envíe su solicitud a la Oficina del Secretario en Jefe de la TCEQ a la dirección que se indica a continuación.

Todos los comentarios públicos escritos y las solicitudes de reuniones públicas deben enviarse a la Oficina del Secretario Principal, MC 105, Comisión de Calidad Ambiental de Texas, P.O. Box 13087, Austin, TX 78711-3087 o electrónicamente a [www.tceq.texas.gov/goto/comment](http://www.tceq.texas.gov/goto/comment) dentro de los 30 días a partir de la fecha de publicación de este aviso en el periódico.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para obtener detalles sobre el estado de la solicitud, visite la Base de datos integrada de los comisionados en [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Busque en la base de datos utilizando el número de permiso para esta solicitud, que se proporciona en la parte superior de este aviso.

**CONTACTOS E INFORMACIÓN DE LA AGENCIA.** Los comentarios públicos y las solicitudes deben enviarse electrónicamente a [www.tceq.texas.gov/goto/comment](http://www.tceq.texas.gov/goto/comment), o por escrito a la Comisión de Calidad Ambiental de Texas, Oficina del Secretario Principal, MC 105, P.O. Box 13087, Austin, Texas 78711-3087. Toda la información personal que envíe a la TCEQ pasará a formar parte del registro de la agencia; esto incluye las direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de obtención de permisos, llame al Programa de Educación Pública de la TCEQ, sin cargo, al 1-800-687-4040 o visite su sitio web en [www.tceq.texas.gov/goto/pep](http://www.tceq.texas.gov/goto/pep). Si desea información en español, puede llamar al 1-800-687-4040.

También puede obtener más información de Titan Production Equipment, LLC en la dirección indicada anteriormente o llamando al Sr. Mike Grimland, Titan Production Equipment, LLC, al 281-607-7101.

Fecha de emisión

# TCEQ Interoffice Memorandum

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**To:** Deba Dutta, Team Leader  
Municipal Permits Team  
**From:** Alan Barraza  
Water Quality Assessment Team  
**Date:** August 22, 2024  
**Subject:** Agronomy Recommendations, Titan Production Equipment, LLC, Titan PEQ  
Columbus WWTF, Renewal Permit, WQ0011975001, Colorado County

**Based upon review of the permit application and an evaluation of soils and agronomy information, the WQA Team reviewing agronomist recommends the following:**

1. Update Special Provision 5 to the following:

Irrigation practices shall be designed and managed as to prevent ponding of effluent or contamination of ground and surface waters and to prevent the occurrence of nuisance conditions in the area. To promote effluent and nutrient uptake by the crop, and to prevent pathways for effluent surfacing, Bermuda grass, ryegrass, and native grasses shall be established and well maintained in the irrigation area throughout the year. Tailwater control facilities shall be provided as necessary to prevent the discharge of any effluent from the irrigated land.

2. Update Special Provision 16 to the following:

For any area where treated effluent is stored or where there exist hose bibs or faucets, the permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply. Signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message "DO NOT DRINK THE WATER" in both English and Spanish. All piping transporting the effluent shall be clearly marked with these same signs.

3. Add the following Special Provision:

The physical condition of the land application fields shall be monitored on a weekly basis. Any area with problems such as surface runoff, surficial erosion, or stressed or damaged vegetation, etc., shall be recorded in a field log kept onsite. Corrective measures will be implemented within 24 hours of discovery.

# **TCEQ Interoffice Memorandum**

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**To:** Deba Dutta, P.E., Lead, Municipal Permits Team

**From:** April Hoh, P.G., Geologist, Water Quality Assessment Team

**Date:** October 24, 2024

**Subject:** **Geology Compliance Review of Groundwater-Related Special Provisions for Permit No. WQ0011975001, Titan Production Equipment, LLC., Renewal, Colorado County**

Based upon the review of the existing permit language the WQA Team reviewing geologist recommends the following modifications to special provisions:

**Recommendations:**

Add the following as new provisions immediately following Special Provision 10:

1. The existing wastewater pond shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.
2. Pond liner certifications and all liner construction and repair documentation shall be maintained by the Permittee for the life of the facility and be made available for TCEQ personnel for inspection and review.



# Compliance History Report

Compliance History Report for CN605551720, RN100928696, Rating Year 2023 which includes Compliance History (CH) components from September 1, 2018, through August 31, 2023.

<b>Customer, Respondent, or Owner/Operator:</b>	CN605551720, Titan Production Equipment, LLC	<b>Classification:</b> UNCLASSIFIED	<b>Rating:</b> -----
<b>Regulated Entity:</b>	RN100928696, TITAN PRODUCTION EQUIPMENT	<b>Classification:</b> UNCLASSIFIED	<b>Rating:</b> -----
<b>Complexity Points:</b>	14	<b>Repeat Violator:</b>	NO
<b>CH Group:</b>	14 - Other		
<b>Location:</b>	2207 FM 949 ALLEYTON, TX 78935-2034, COLORADO COUNTY		
<b>TCEQ Region:</b>	REGION 12 - HOUSTON		

## ID Number(s):

**PUBLIC WATER SYSTEM/SUPPLY** REGISTRATION 0450040

**AIR NEW SOURCE PERMITS** AFS NUM 4808900025

**AIR NEW SOURCE PERMITS** REGISTRATION 140193

**STORMWATER** PERMIT TXR05EB90

**AIR EMISSIONS INVENTORY** ACCOUNT NUMBER CR0047F

**INDUSTRIAL AND HAZARDOUS WASTE** EPA ID TXD987968864

**AIR NEW SOURCE PERMITS** REGISTRATION 46004

**AIR NEW SOURCE PERMITS** PERMIT 46955

**AIR NEW SOURCE PERMITS** PERMIT 161661

**WASTEWATER** PERMIT WQ0011975001

**POLLUTION PREVENTION PLANNING** ID NUMBER P09482

**INDUSTRIAL AND HAZARDOUS WASTE** SOLID WASTE REGISTRATION # (SWR) 39550

**Compliance History Period:** September 01, 2018 to August 31, 2023 **Rating Year:** 2023 **Rating Date:** 09/01/2023

**Date Compliance History Report Prepared:** August 12, 2024

**Agency Decision Requiring Compliance History:** Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.

**Component Period Selected:** July 18, 2019 to August 12, 2024

## TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.

**Name:** PT

**Phone:** (512) 239-3581

## Site and Owner/Operator History:

- 1) Has the site been in existence and/or operation for the full five year compliance period? YES
- 2) Has there been a (known) change in ownership/operator of the site during the compliance period? NO

## Components (Multimedia) for the Site Are Listed in Sections A - J

### A. Final Orders, court judgments, and consent decrees:

N/A

### B. Criminal convictions:

N/A

### C. Chronic excessive emissions events:

N/A

### D. The approval dates of investigations (CCEDS Inv. Track. No.):

Item 1 July 26, 2021 (1739615)

### E. Written notices of violations (NOV) (CCEDS Inv. Track. No.):

A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.

N/A

**F. Environmental audits:**

N/A

**G. Type of environmental management systems (EMSs):**

N/A

**H. Voluntary on-site compliance assessment dates:**

N/A

**I. Participation in a voluntary pollution reduction program:**

N/A

**J. Early compliance:**

N/A

**Sites Outside of Texas:**

N/A

Senate Bill 709 (84th Legislative Session, 2015) amended the Texas Water Code by adding new Section 5.5553, which requires the Texas Commission on Environmental Quality (TCEQ) to provide written notice to you at least thirty (30) days prior to the TCEQ's issuance of draft permits for applications that are located in your district.

Titan Production Equipment, LLC, 2207 Farm-to-Market Road 949, Alleyton, Texas 78935, has applied to the TCEQ to renew Texas Land Application Permit No. WQ0011975001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 6,000 gallons per day via surface irrigation of 10 acres of non-public access pastureland. The domestic wastewater treatment facility and disposal area are located at 2207 Farm-to-Market Road 949, in Colorado County, Texas 78935. TCEQ received this application on July 18, 2024. The permit application will be available for viewing and copying at Nesbitt Memorial Library, 529 Washington Street, Columbus, in Colorado 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/tlap-applications>. 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=-96.423888,29.726388&level=18>

TCEQ is preparing the initial draft permit. At the time the draft permit is issued, the applicant will be required to publish notice in a newspaper of general circulation, and the TCEQ will provide a copy of the notice of draft permit to persons who have requested to be on a mailing list.

Questions regarding this application may be directed to Mr. Deba Dutta by calling 512-239-4608.

Issuance Date: \_\_\_\_\_

# TCEQ Interoffice Memorandum

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**To:** Deba Dutta, Team Leader  
Municipal Permits Team  
**From:** Alan Barraza  
Water Quality Assessment Team  
**Date:** August 22, 2024  
**Subject:** Agronomy Recommendations, Titan Production Equipment, LLC, Titan PEQ  
Columbus WWTF, Renewal Permit, WQ0011975001, Colorado County

**Based upon review of the permit application and an evaluation of soils and agronomy information, the WQA Team reviewing agronomist recommends the following:**

1. Update Special Provision 5 to the following:

Irrigation practices shall be designed and managed as to prevent ponding of effluent or contamination of ground and surface waters and to prevent the occurrence of nuisance conditions in the area. To promote effluent and nutrient uptake by the crop, and to prevent pathways for effluent surfacing, Bermuda grass, ryegrass, and native grasses shall be established and well maintained in the irrigation area throughout the year. Tailwater control facilities shall be provided as necessary to prevent the discharge of any effluent from the irrigated land.

2. Update Special Provision 16 to the following:

For any area where treated effluent is stored or where there exist hose bibs or faucets, the permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply. Signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message "DO NOT DRINK THE WATER" in both English and Spanish. All piping transporting the effluent shall be clearly marked with these same signs.

3. Add the following Special Provision:

The physical condition of the land application fields shall be monitored on a weekly basis. Any area with problems such as surface runoff, surficial erosion, or stressed or damaged vegetation, etc., shall be recorded in a field log kept onsite. Corrective measures will be implemented within 24 hours of discovery.



# **TCEQ Interoffice Memorandum**

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**To:** Deba Dutta, P.E., Lead, Municipal Permits Team

**From:** April Hoh, P.G., Geologist, Water Quality Assessment Team

**Date:** October 24, 2024

**Subject:** **Geology Compliance Review of Groundwater-Related Special Provisions for Permit No. WQ0011975001, Titan Production Equipment, LLC., Renewal, Colorado County**

Based upon the review of the existing permit language the WQA Team reviewing geologist recommends the following modifications to special provisions:

**Recommendations:**

Add the following as new provisions immediately following Special Provision 10:

1. The existing wastewater pond shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.
2. Pond liner certifications and all liner construction and repair documentation shall be maintained by the Permittee for the life of the facility and be made available for TCEQ personnel for inspection and review.

Fw: NORI for Permit No. WQ0011975001 - Titan Production Equipment, LLC

Savannah Jackson <Savannah.Jackson@tceq.texas.gov>

Mon 8/5/2024 3:55 PM

To: WQITTEAM <WQITTEAM@tceq.texas.gov>; OCC-WQ <OCC-WQ@tceq.texas.gov>

5 attachments (2 MB)

NORI Instructions Combined.pdf; wq0011975001-nori-eng.pdf; wq0011975001-nori-esp.pdf; wq0011975001-nori-letter.pdf; wq0011975001-contact-routing-sheets.docx



**Savannah Jackson**

Texas Commission on Environmental  
Quality

Water Quality Division

512-239-4306

[savannah.jackson@tceq.texas.gov](mailto:savannah.jackson@tceq.texas.gov)

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**From:** Savannah Jackson

**Sent:** Monday, August 5, 2024 3:50 PM

**To:** weishuhnengineering@gmail.com <weishuhnengineering@gmail.com>

**Cc:** mike.grimland@titanpeq.com <mike.grimland@titanpeq.com>

**Subject:** NORI for Permit No. WQ0011975001 - Titan Production Equipment, LLC

Permit No. WQ0011975001

Applicants are required to publish the Notice of Receipt of Application and Intent to Obtain a Water Quality Permit within 30 days of the application being declared administratively complete.

Attached are:

- Letter of Declaration of Administrative Completeness
- Instructions of Public Notice
- Notice of Receipt of Application and Intent to Obtain a Water Quality Permit
- Affidavit of Publication
- Public Notice Verification Form
- Notice of Receipt of Application and Intent to Obtain a Water Quality Permit in Spanish (or other alternative) Language

**IMPORTANT:** You must enter the Applicant Name and Permit Number into the sections provided in the upper right portion of the Affidavit of Publication. The CID or CCO Number section does not need to be entered and is intended for internal use only.

Regards,



**Savannah Jackson**

Texas Commission on Environmental  
Quality

Water Quality Division

512-239-4306

[savannah.jackson@tceq.texas.gov](mailto:savannah.jackson@tceq.texas.gov)

# Comisión de Calidad Ambiental del Estado de Texas



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

**PERMISO NO. WQ0011975001**

**SOLICITUD.** Titan Production Equipment, LLC, 2207 Farm-to-Market Road 949, Alleyton, Texas 78935 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0011975001 del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 6,000 galones por día mediante riego superficial de 10 acres de pastizales de acceso no público. La instalación de tratamiento de aguas residuales domésticas y el área de eliminación están ubicadas en 2207 Farm-to-Market Road 949, en el condado de Colorado, Texas 78935. TCEQ recibió esta solicitud el 18 de julio de 2024. La solicitud de permiso estará disponible para ver y copiar en Biblioteca Nesbitt Memorial, 529 Washington Street, Columbus, en el condado de Colorado, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.423888,29.726388&level=18>

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

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

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos

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

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

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

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

**CONTACTOS E INFORMACIÓN A LA AGENCIA.** Todos los comentarios públicos y

**solicitudes deben ser presentadas electrónicamente vía**

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

También se puede obtener información adicional del Titan Production Equipment, LLC a la dirección indicada arriba o llamando a Mike Grimland al 281-607-7101.

Fecha de emission: 5 de agosto de 2024

Jon Niermann, *Chairman*  
Bobby Janecka, *Commissioner*  
Catarina R. Gonzales, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

August 5, 2024

Ms. Barbara Weishuhn  
Environmental Consultant  
Weishuhn Engineering, Inc.  
P.O. Box 358  
Columbus, Texas 78934

RE: Declaration of Administrative Completeness  
Applicant Name: Titan Production Equipment, LLC (CN605551720)  
Permit No.: WQ0011975001  
Site Name: Columbus Facility WWTF (RN100928696)  
Type of Application: Renewal without changes

Dear Ms. Weishuhn:

The executive director has declared the above referenced application, received on July 18, 2024 administratively complete on August 5, 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.


Ms. Barbara Weishuhn  
Page 2  
August 5, 2024  
Permit No. WQ0011975001

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 Savannah Jackson at (512) 239-4306 or [savannah.jackson@tceq.texas.gov](mailto:savannah.jackson@tceq.texas.gov).

Sincerely,

A handwritten signature in cursive script that reads "J E Bowers".

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

JEB/slj

Enclosures

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0011975001

**APPLICATION.** Titan Production Equipment, LLC, 2207 Farm-to-Market Road 949, Alleyton, Texas 78935, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0011975001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 6,000 gallons per day via surface irrigation of 10 acres of non-public access pastureland. The domestic wastewater treatment facility and disposal area are located at 2207 Farm-to-Market Road 949, in Colorado County, Texas 78935. TCEQ received this application on July 18, 2024. The permit application will be available for viewing and copying at Nesbitt Memorial Library, 529 Washington Street, Columbus, in Colorado 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/tlap-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=-96.423888,29.726388&level=18>

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>.

El aviso de idioma alternativo en español está disponible en

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>.

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

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



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

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

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

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

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

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

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

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at [www.tceq.texas.gov/goto/cid](http://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](http://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 Titan Production Equipment, LLC at the address stated above or by calling Mr. Mike Grimland, Senior Vice President, at 281-607-7101.

Issuance Date: August 5, 2024

**From:** [Alan Barraza](#)  
**To:** [Mike.Grimland@titanpeq.com](mailto:Mike.Grimland@titanpeq.com); [weishuhnengineering@gmail.com](mailto:weishuhnengineering@gmail.com)  
**Cc:** [April Hoh](#); [Savannah Jackson](#)  
**Subject:** WQ0011975001 Titan Production Equipment LLC NOD  
**Date:** Friday, August 2, 2024 9:56:19 AM  
**Attachments:** [11975-001.Pretech.Aug2024.docx](#)

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The Water Quality Assessment (WQA) Team of the Texas Commission on Environmental Quality has completed a preliminary review of the permit application information and identified deficiencies (attached) that must be addressed before the WQA Team can continue with the technical review. The deficient item(s) will require your response in a timely, complete, and accurate manner.

An accurate and complete revised permit application is essential for making recommendations to the commission regarding whether this permit should be issued. Based on the information provided in the application, the executive director does not have sufficient information to make a recommendation. Therefore, you must send updated technically complete and accurate information within **14 days** (August 16<sup>th</sup>) of the date of this email.

Please let us know if you have any questions.



**Alan Barraza**  
Agronomist | Water Quality  
Assessment  
TCEQ | Water Quality Division | MC  
150  
Direct: 512-239-4642  
Fax: 512-239-4420  
12100 Park 35 Circle  
Austin, TX 78753

TITAN PRODUCTION EQUIPMENT LLC  
PERMIT APPLICATION NO. WQ0011975001  
APPLICATION FOR A RENEWAL  
Technical Completeness Review

Please address the following items:

**GEOLOGY ITEMS**

1. No comments.

**AGRONOMY ITEMS**

1. Domestic Worksheet 3.0, Section 8.A., Soil Map: Please submit a USDA map depicting the actual 10 acre application area instead of the entire site.
2. Domestic Worksheet 3.0, Section 8.B., Soil Analyses: Please submit current soil lab analyses. Analyses are acceptable as long as the test date is less than one year prior to the submission of the application.

For geology/groundwater-related questions, please contact April Hoh, P.G. via email at [April.Hoh@tceq.texas.gov](mailto:April.Hoh@tceq.texas.gov) (preferred) or at 512-239-3567 and for agronomy related questions, please contact Alan Barraza via email at [Alan.Barraza@tceq.texas.gov](mailto:Alan.Barraza@tceq.texas.gov) (preferred) or at 512-239-4642.



Basis 2 A/R Outstanding Past Due Transactions Detail Report By Customer Name

JUL-29-24 06:30 AM

Customer Name: TIRETEX INC

Account #: 23706032

Debtcollpath Stage: WHOLD:REFERRED,UNCOL:EXHAUST

Calls:

Total of delinquent transactions (Account): \$23978.43

Total of delinquent transactions (Customer): \$23978.43

Customer Name: TITLI LLC

Account #: 23708890

Debtcollpath Stage: WHOLD:REFERRED,UNCOL:EXHAUST

Calls:

WDV	WDV0053608	ADMIN PENALTY	FY15	131743PSTE	31-OCT-14	30-NOV-14	\$169.00
WDV	WDV0054486	ADMIN PENALTY	FY15	131743PSTE	30-NOV-14	31-DEC-14	\$169.00
WDV	WDV0055192	ADMIN PENALTY	FY15	131743PSTE	31-DEC-14	31-JAN-15	\$169.00
WDV	WDV0055822	ADMIN PENALTY	FY15	131743PSTE	31-JAN-15	28-FEB-15	\$169.00
WDV	SC00142420	ADMIN PENALTY-FEB 2015			10-FEB-15	10-FEB-15	\$ .84
WDV	WDV0056607	ADMIN PENALTY	FY15	131743PSTE	28-FEB-15	31-MAR-15	\$169.00
WDV	SC00156673	ADMIN PENALTY-MAR 2015			10-MAR-15	10-MAR-15	\$1.68
WDV	WDV0057339	ADMIN PENALTY	FY15	131743PSTE	31-MAR-15	30-APR-15	\$5919.00
WDV	SC00158679	ADMIN PENALTY-APR 2015			10-APR-15	10-APR-15	\$2.52
WDV	SC00160501	ADMIN PENALTY-MAY 2015			11-MAY-15	11-MAY-15	\$3.36
WDV	SC00162145	ADMIN PENALTY-JUN 2015			10-JUN-15	10-JUN-15	\$4.20
WDV	SC00163581	ADMIN PENALTY-JUL 2015			10-JUL-15	10-JUL-15	\$33.79
WDV	SC00165142	ADMIN PENALTY-AUG 2015			10-AUG-15	10-AUG-15	\$33.79

Total of delinquent transactions (Account): \$6844.18

Total of delinquent transactions (Customer): \$6844.18

Customer Name: TLA

Account #: 20016818

Debtcollpath Stage:

Calls: MAIL

GPS	GPS0090009	GEN PMTS STORMWTR	FY07	TXR05R799	31-DEC-06	31-JAN-07	\$200.00
GPS	SC2707-001	LATE FEE FOR GPS0090009		TXR05R799	13-MAR-07	13-APR-07	\$10.00
GPS	SC2708-001	LATE FEE FOR GPS0090009		TXR05R799	11-APR-07	11-MAY-07	\$1.54
GPS	SC2709-001	LATE FEE FOR GPS0090009		TXR05R799	10-MAY-07	10-JUN-07	\$1.54
GPS	SC2710-001	LATE FEE FOR GPS0090009		TXR05R799	11-JUN-07	11-JUL-07	\$1.54
GPS	SC2711-001	LATE FEE FOR GPS0090009		TXR05R799	10-JUL-07	10-AUG-07	\$1.54
GPS	SC2712-001	LATE FEE FOR GPS0090009		TXR05R799	10-AUG-07	10-SEP-07	\$1.54
GPS	SC2801-001	LATE FEE FOR GPS0090009		TXR05R799	10-SEP-07	10-OCT-07	\$1.54

Total of delinquent transactions (Account): \$219.24

Total of delinquent transactions (Customer): \$219.24

Customer Name: TLALOC OUTDOORS INC

Account #: 23606692

Debtcollpath Stage: WHOLD:REFERRED,UNCOL:EXHAUST

Calls:

WQV	WQV0017801	ADMIN PENALTY	FY12	110361PWSE	31-JUL-12	31-AUG-12	\$100.00
WQV	WQV0018020	ADMIN PENALTY	FY12	110361PWSE	31-AUG-12	30-SEP-12	\$100.00
WQV	WQV0018274	ADMIN PENALTY	FY13	110361PWSE	30-SEP-12	31-OCT-12	\$100.00
WQV	WQV0018472	ADMIN PENALTY	FY13	110361PWSE	30-OCT-12	30-NOV-12	\$100.00
WQV	SC00088539	ADMIN PENALTY-NOV 2012			12-NOV-12	12-NOV-12	\$ .50
WQV	WQV0017801	COLLECTION COST RECOVERY			07-DEC-12	07-DEC-12	\$25.00
WQV	SC00090849	ADMIN PENALTY-DEC 2012			10-DEC-12	10-DEC-12	\$1.00
WQV	WQV0018020	COLLECTION COST RECOVERY			04-JAN-13	04-JAN-13	\$25.00
WQV	SC00093184	ADMIN PENALTY-JAN 2013			10-JAN-13	10-JAN-13	\$1.50
WQV	WQV0018274	COLLECTION COST RECOVERY			01-FEB-13	01-FEB-13	\$25.00
WQV	SC00095807	ADMIN PENALTY-FEB 2013			11-FEB-13	11-FEB-13	\$2.00
WQV	WQV0018472	COLLECTION COST RECOVERY			01-MAR-13	01-MAR-13	\$25.00
WQV	SC00098457	ADMIN PENALTY-MAR 2013			11-MAR-13	11-MAR-13	\$2.00
WQV	SC00100536	ADMIN PENALTY-APR 2013			10-APR-13	10-APR-13	\$2.00
WQV	SC00102357	ADMIN PENALTY-MAY 2013			10-MAY-13	10-MAY-13	\$2.00
WQV	SC00103979	ADMIN PENALTY-JUN 2013			10-JUN-13	10-JUN-13	\$2.00
WQV	SC00105433	ADMIN PENALTY-JUL 2013			10-JUL-13	10-JUL-13	\$2.00
WQV	SC00106960	ADMIN PENALTY-AUG 2013			12-AUG-13	12-AUG-13	\$2.00
WQV	SC00108557	ADMIN PENALTY-SEP 2013			10-SEP-13	10-SEP-13	\$2.00
WQV	SC00110034	ADMIN PENALTY-OCT 2013			10-OCT-13	10-OCT-13	\$2.00
WQV	SC00111761	ADMIN PENALTY-NOV 2013			13-NOV-13	13-NOV-13	\$2.00
WQV	SC00113668	ADMIN PENALTY-DEC 2013			10-DEC-13	10-DEC-13	\$2.00
WQV	SC00115991	ADMIN PENALTY-JAN 2014			10-JAN-14	10-JAN-14	\$2.00
WQV	SC00118512	ADMIN PENALTY-FEB 2014			10-FEB-14	10-FEB-14	\$2.00



## Water Quality Receipt Report

JUL-26-24 09:00 PM

### Paid In By: BARBARA WEISHUHN

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	PI00820761	612962	IFCE	582EA0005		25-JAN-23	-\$300.00
PERMIT APPLICATION					23632			
NOTICE FEES WQP	PTGQ	PI00820762	612963	IFCE	582EA0005		25-JAN-23	-\$15.00
WATER QUALITY PMT					23632			
WATER QUALITY	WQP	PI00876741	639335	IFCE	582EA0005		11-MAY-23	-\$300.00
PERMIT APPLICATION					48622			
NOTICE FEES WQP	PTGQ	PI00876740	639336	IFCE	582EA0005		11-MAY-23	-\$50.00
WATER QUALITY PMT					48622			
WATER QUALITY	WQP	PI00899955	657071	IFCE	582EA0005		18-AUG-23	-\$800.00
PERMIT APPLICATION					64734			
NOTICE FEES WQP	PTGQ	PI00899956	657072	IFCE	582EA0005		18-AUG-23	-\$50.00
WATER QUALITY PMT					64734			
WATER QUALITY	WQP	PI00951001	698246	IFCE	582EA0006		27-MAR-24	-\$500.00
PERMIT APPLICATION					03481			
NOTICE FEES WQP	PTGQ	PI00951002	698247	IFCE	582EA0006		27-MAR-24	-\$50.00
WATER QUALITY PMT					03481			
WATER QUALITY	WQP	PI00970881	713640	IFCE	582EA0006		22-JUL-24	-\$300.00
PERMIT APPLICATION					18108			
NOTICE FEES WQP	PTGQ	PI00970882	713641	IFCE	582EA0006		22-JUL-24	-\$15.00
WATER QUALITY PMT					18108			

### Paid In By: BARID, CITY OF

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
NOTICE FEES WQP	PTGQ	M413858B	10037004	CK	21680		29-FEB-24	-\$15.00
WATER QUALITY PMT								

### Paid In By: BARRY, THEODORE C

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	M308230	14166001	CK	1015		04-JAN-23	-\$100.00
PERMIT APPLICATION								

### Paid In By: BASILE, BRENDA P/BARRY S

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	M315598	00662000	CK	8379		19-APR-23	-\$100.00
PERMIT APPLICATION								

### Paid In By: BASSICHIS, WILLIAM H/JUDITH

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	M419047A	15721001	CK	1606		02-JUL-24	-\$800.00
PERMIT APPLICATION								
NOTICE FEES WQP	PTGQ	M419047B	15721001	CK	1606		02-JUL-24	-\$50.00
WATER QUALITY PMT								

### Paid In By: BASTROP COUNTY MUD 1

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	M416827A	13894001	CK	4856		26-APR-24	-\$300.00
PERMIT APPLICATION								
NOTICE FEES WQP	PTGQ	M416827B	13894001	CK	4856		26-APR-24	-\$15.00
WATER QUALITY PMT								

Central Registry Internal Reporting

Main Query Page   Program Area Search

Additional ID Detail

Additional ID Program	WWPERMIT		Legacy System (Code)	(WQ)	
Additional ID	WQ0011975001	Status	ACTIVE	ID Type	PERMIT
Name	COLUMBUS FACILITY WWTF			Sec. Addn Id	
Physical Address	2207 FM 949, ALLEYTON, TX 78935 2034				
Description					
County	COLORADO	Region	REGION 12 - HOUSTON		
Nearest City	ALLEYTON	State	TX	Nearest Zip	78935
Latitude	29° 43 min 35 sec (29.726388)		Longitude	96° 25 min 26 sec (-96.423888)	

Map It   Copy Map It URL   Prior Names

Industry Types

Classification System	Code	Name	Primary Flag
NAICS	333132	Oil and Gas Field Machinery and Equipment Manufacturing	Y
SIC	3533	Oil and Gas Field Machinery and Equipment	Y

Industry Type: (1-2 of 2 Records)

Site Classifications

Program	Site Classification	Begin Date	End Date	CMS Min Freq Qty
WASTEWATER	DOMESTIC LAND DISPOSAL	01/1/1800	12/31/3000	0

Site Classification: (1-1 of 1 Record)

Customers

List All

CN Number	Name ▲	Role
<a href="#">CN600127898</a>	EXTERRAN ENERGY SOLUTIONS LP	OWN
<a href="#">CN605551720</a>	TITAN PRODUCTION EQUIPMENT LLC	OWN

Customers: (1-2 of 2 Records)

Issued To

CN Number	Issued To Name	Start Date	'Issued To' History
CN600127898	EXTERRAN ENERGY SOLUTIONS LP	04/28/2004	<a href="#">View</a>
CN600127898	EXTERRAN ENERGY SOLUTIONS LP	04/28/2004	<a href="#">View</a>

Issued To: (1-2 of 2 Records)

Regulated Entity

Reference Number	<a href="#">RN100928696</a>	Name	TITAN PRODUCTION EQUIPMENT	Stand-Alone	N
Business Description	ND				

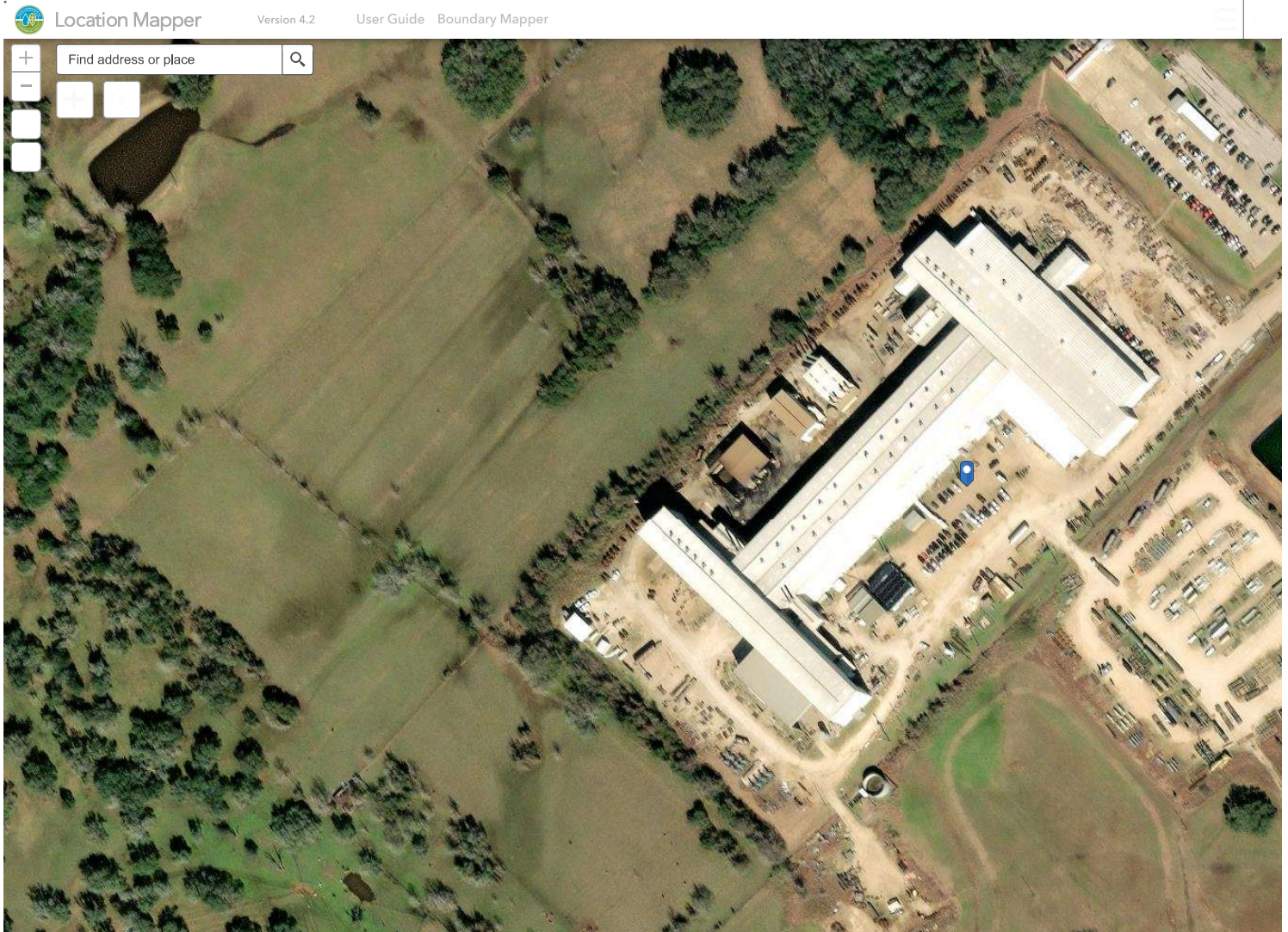
Location

Address	2207 FM 949, ALLEYTON, TX 78935 2034				
Description					
County	COLORADO	Region	REGION 12 - HOUSTON		
Nearest City	ALLEYTON	State	TX	Nearest Zip	78935
Latitude	29° 43 min 35 sec (29.7265)		Longitude	96° 25 min 26 sec (-96.4239)	

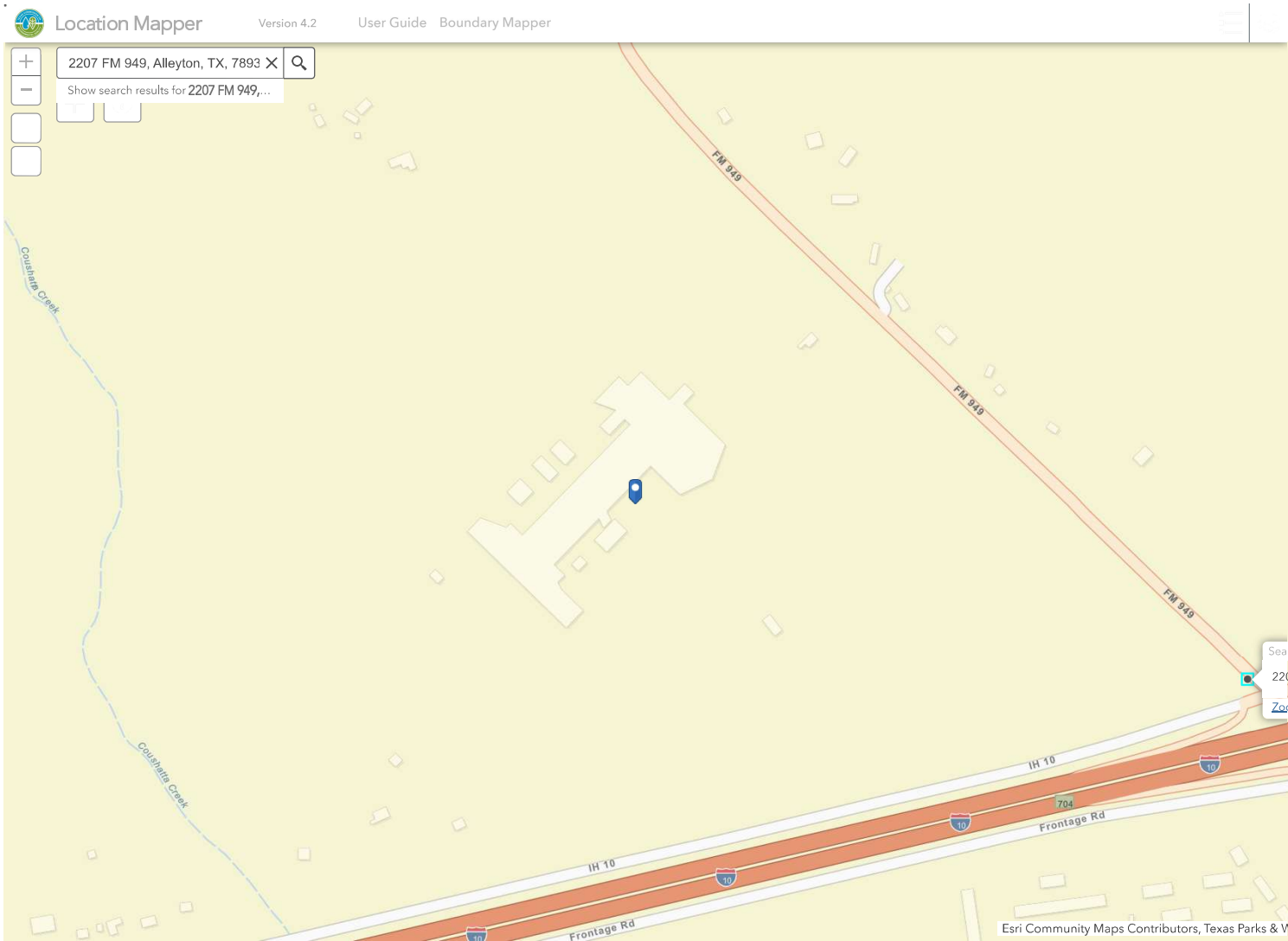
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Statewide Links: [Texas.gov](#) | [Texas Homeland Security](#) | [TRAIL Statewide Archive](#) | [Texas Veterans Portal](#)

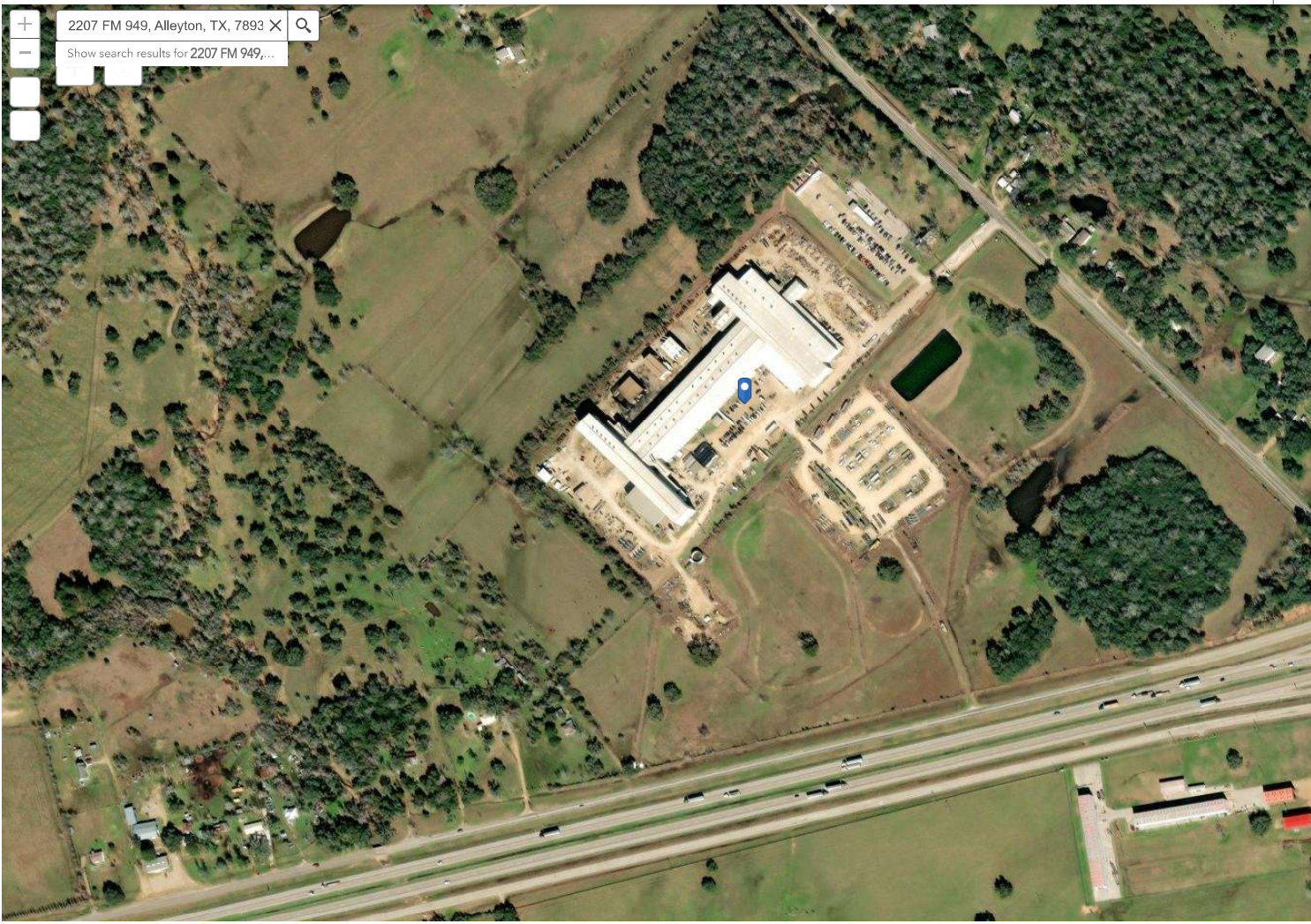
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Last Modified 2023-12-08 - Production v2.1.5
















2207 FM 949, Alleyton, TX, 7893 X 

Show search results for 2207 FM 949,...

<https://www.facs.htm>

<https://facs.htm>

# Look Up a ZIP Code™ FAQs

Go to

## ZIP Code™ by Address

**You entered:**

2207 FM 949  
ALLEYTON TX  
78935

If more than one address matches the information provided, try narrowing your search by entering a street address and, if applicable, a unit number. **Edit and search again.** ([zip-code-lookup.htm?byaddress](#))

2207 FM 949  
ALLEYTON TX **78935-2034**

CARRIER ROUTE	R002
COUNTY	COLORADO
DELIVERY POINT CODE	07
CHECK DIGIT	2
COMMERCIAL MAIL RECEIVING AGENCY	N
LAC™	-
eLOT™	0256
eLOT ASCENDING/DESCENDING INDICATOR	A
RECORD TYPE CODE	S
PMB DESIGNATOR	-
PMB NUMBER	-
DEFAULT FLAG	-
EWS FLAG	-
DPV CONFIRMATION INDICATOR	Y

Look Up Another ZIP Code™

Edit and Search Again ([/zip-code-lookup.htm?byaddress](#))

Feedback

(<https://www.facs.htm>)

(<https://facs.htm>)

# Look Up a ZIP Code™

Go to

## ZIP Code™ by Address

**You entered:**  
PO BOX 358  
COLUMBUS TX  
78934

If more than one address matches the information provided, try narrowing your search by entering a street address and, if applicable, a unit number. **Edit and search again.** ([zip-code-lookup.htm?byaddress](#))

PO BOX 358 COLUMBUS TX <b>78934-0358</b>	
CARRIER ROUTE	B003
COUNTY	COLORADO
DELIVERY POINT CODE	58
CHECK DIGIT	0
COMMERCIAL MAIL RECEIVING AGENCY	N
LAC™	-
eLOT™	0001
eLOT ASCENDING/DESCENDING INDICATOR	A
RECORD TYPE CODE	P
PMB DESIGNATOR	-
PMB NUMBER	-
DEFAULT FLAG	-
EWS FLAG	-
DPV CONFIRMATION INDICATOR	Y

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Feedback

(https://www  
faqs.htm)

(https://  
faqs.ht

Look Up a ZIP Code™  
FAQs

Go to

ZIP Code™ by Address

You entered:  
PO BOX 232  
INDUSTRY TX  
78944

If more than one address matches the information provided, try narrowing your search by entering a street address and, if applicable, a unit number. **Edit and search again. (zip-code-lookup.htm?byaddress)**


PO BOX 232 INDUSTRY TX <b>78944-0232</b>	
CARRIER ROUTE	B002
COUNTY	AUSTIN
DELIVERY POINT CODE	32
CHECK DIGIT	6
COMMERCIAL MAIL RECEIVING AGENCY	N
LAC™	-
eLOT™	0003
eLOT ASCENDING/DESCENDING INDICATOR	A
RECORD TYPE CODE	P
PMB DESIGNATOR	-
PMB NUMBER	-
DEFAULT FLAG	-
EWS FLAG	-
DPV CONFIRMATION INDICATOR	Y

Look Up Another ZIP Code™

Edit and Search Again (/zip-code-lookup.htm?byaddress)




Feedback






nesbitt memorial library

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https://www.columbuslibrary.net

**Nesbitt Memorial Library**  
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LOCATION 529 Washington Street Columbus, TX 78934 979.732 ...

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Jul 6, 2024 — **Nesbitt Memorial Library** Journal was an irregular journal first appearing in 1989 and running until 2001. It was published in Columbus, ...




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**Nesbitt Memorial Library**  
**Nesbitt Memorial Library** – Columbus, TX. Type: Public. 529 Washington Street, Columbus Texas United States (Colorado County) Houston Area.




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Traditional and modern **library** services plus a local history collection and archives. .  
Rating: 5 · 6 votes



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**Nesbitt Memorial Library**  
The **Nesbitt Memorial Library** is the municipal library of the City of Columbus, Texas. It opened March 18, 1979.

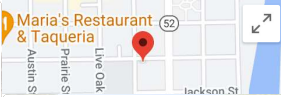


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**Hours:** Open · Closes 5 PM  
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**Overdrive** consortium

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|---|--|--|--|----------------------------|

**TEXAS SECRETARY of STATE**  
**JANE NELSON**

**BUSINESS ORGANIZATIONS INQUIRY - VIEW ENTITY**

Filing Number:

803031946

Original Date of Filing:

June 1, 2018

Formation Date:

N/A

Tax ID:

32067353212

Name:

TITAN PRODUCTION EQUIPMENT, LLC

Address:

150 EAST 58TH STREET  
NEW YORK, NY 10155 USA

Fictitious Name:

N/A

Jurisdiction:

DE, USA

Foreign Formation Date:

March 27, 2018

Entity Type:

Foreign Limited Liability Company (LLC)

Entity Status:

In existence

FEIN:

825231271

<a href="#">REGISTERED AGENT</a>	<a href="#">FILING HISTORY</a>	<a href="#">NAMES</a>	<a href="#">MANAGEMENT</a>	<a href="#">ASSUMED NAMES</a>	<a href="#">ASSOCIATED ENTITIES</a>	<a href="#">INITIAL ADDRESS</a>
Name		Address			Inactive Date	
C T CORPORATION SYSTEM		1999 BRYAN STREET, SUITE 900 DALLAS, TX 75201 USA				

Order

Return to Search

Instructions:  
● To place an order for additional information about a filing press the 'Order' button.





**Franchise Tax Account Status**  
As of : 07/29/2024 15:17:49

This page is valid for most business transactions but is not sufficient for filings with the Secretary of State

TITAN PRODUCTION EQUIPMENT, LLC	
Texas Taxpayer Number	32067353212
Mailing Address	480 WILDWOOD FOREST DR STE 200 THE WOODLANDS, TX 77380-4122
 Right to Transact Business in Texas	ACTIVE
State of Formation	DE
Effective SOS Registration Date	06/01/2018
Texas SOS File Number	0803031946
Registered Agent Name	C T CORPORATION SYSTEM
Registered Office Street Address	1999 BRYAN STREET SUITE 900 DALLAS, TX 75201

# Comisión de Calidad Ambiental del Estado de Texas



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

**PERMISO NO. WQ0011975001**

**SOLICITUD.** Titan Production Equipment, LLC, 2207 Farm-to-Market Road 949, Alleyton, Texas 78935 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0011975001 del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 6,000 galones por día mediante riego superficial de 10 acres de pastizales de acceso no público. La instalación de tratamiento de aguas residuales domésticas y el área de eliminación están ubicadas en 2207 Farm-to-Market Road 949, en el condado de Colorado, Texas 78935. TCEQ recibió esta solicitud el 18 de julio de 2024. La solicitud de permiso estará disponible para ver y copiar en Biblioteca Nesbitt Memorial, 529 Washington Street, Columbus, en el condado de Colorado, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.423888,29.726388&level=18>

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

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

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos

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

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

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

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

**CONTACTOS E INFORMACIÓN A LA AGENCIA.** Todos los comentarios públicos y

**solicitudes deben ser presentadas electrónicamente vía**

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

También se puede obtener información adicional del Titan Production Equipment, LLC a la dirección indicada arriba o llamando a Mike Grimland al 281-607-7101.

Fecha de emission:

**Re: Application to Renew Permit No. WQ0011975001 - Notice of Deficiency Letter**

Weishuhn Engineering Inc &lt;weishuhnengineering@gmail.com&gt;

Mon 7/29/2024 5:11 PM

To: Savannah Jackson &lt;Savannah.Jackson@tceq.texas.gov&gt;

Cc: mike.grimland@titanpeq.com &lt;mike.grimland@titanpeq.com&gt;; Erwin Madrid &lt;Erwin.Madrid@tceq.texas.gov&gt;; Leah Whallon &lt;Leah.Whallon@Tceq.Texas.Gov&gt;

1 attachments (101 KB)

Translated spanish Nori.docx;

Information is correct  
Spanish Nori is attached

Thank you

Barbara Weishuhn

On Mon, Jul 29, 2024 at 4:33 PM Savannah Jackson <[Savannah.Jackson@tceq.texas.gov](mailto:Savannah.Jackson@tceq.texas.gov)> wrote:

Dear Mr. Mike Grimland,

The attached Notice of Deficiency letter sent on July 29, 2024, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by August 12, 2024, and be sure to push "reply all" when responding to this email.

Thank you,

**Savannah Jackson**Texas Commission on Environmental  
Quality

Water Quality Division

512-239-4306

[savannah.jackson@tceq.texas.gov](mailto:savannah.jackson@tceq.texas.gov)

Jon Niermann, *Chairman*  
Bobby Janecka, *Commissioner*  
Catarina R. Gonzales, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

July 29, 2024

Mr. Mike Grimland  
Senior Vice President  
Titan Production Equipment, LLC  
2207 Farm-to-Market Road 949  
Alleyton, Texas 78935

RE: Application to Renew Permit No.: WQ0011975001  
Applicant Name: Titan Production Equipment, LLC (CN605551720)  
Site Name: Columbus Facility WWTF (RN100928696)  
Type of Application: Renewal without changes

### VIA EMAIL

Dear Mr. Grimland:

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. 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.** Titan Production Equipment, LLC, 2207 Farm-to-Market Road 949, Alleyton, Texas 78935, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0011975001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 6,000 gallons per day via surface irrigation of 10 acres of non-public access pastureland. The domestic wastewater treatment facility and disposal area are located at 2207 Farm-to-Market Road 949, in Colorado County, Texas 78935. TCEQ received this application on July 18, 2024. The permit application will be available for viewing and copying at Nesbitt Memorial Library, 529 Washington Street, Columbus, in Colorado 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/tlap-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=-96.423888,29.726388&level=18>

Mr. Mike Grimland  
Page 2  
July 29, 2024  
Permit No. WQ0011975001

Further information may also be obtained from Titan Production Equipment, LLC at the address stated above or by calling Mr. Mike Grimland, Senior Vice President, at 281-607-7101.

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

Please submit the complete response, addressed to my attention by August 12, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-4306 or by email at [savannah.jackson@tceq.texas.gov](mailto:savannah.jackson@tceq.texas.gov)

Sincerely,



Savannah Jackson  
Applications Review and Processing Team (MC148)  
Water Quality Division  
Texas Commission of Environmental Quality

slj

Enclosure(s):  
Attachment 1 - Municipal Discharge Renewal Spanish NORI

cc: Mr. James Weishuhn, P.E., Environmental Consultant, Weishuhn Engineering, Inc., P.O. Box 358,  
Columbus, Texas 78934

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

### AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

Titan Production Equipment LLC (CN605551720) opera Titan PEQ Columbus (Alleyton Plant) RN100928696, una Planta de Fabricación de maquinaria de producción de petróleo y gas. La instalación está ubicada en 2207 Farm-to-Market Road 949, en Alleyton, Condado de Colorado, Texas 78935. Esta solicitud es para la renovación del permiso sin cambios. <<Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:>> Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan DBO, sólidos en suspensión, amoníaco, sulfato, nitrato, cloruro, fósforo, pH, E. coli y sólidos disueltos. Aguas residuales domesticos. está tratado por Aireación extendida con eliminación de aplicaciones superficiales que incluye pantallas de barras, tanque de ecualización, cuenca de aireación, clarificador final, digestor, estanque de retención de efluentes y riego por aspersión.





## 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.*

Titan Production Equipment LLC (CN605551720) operates Titan PEQ Columbus (Alleyton Plant) (RN100928696), an Oil and Gas Production Machinery Manufacturing facility. The facility is located at 2207 Farm-to-Market Road 949, in Alleyton, Colorado County, Texas 78935. This application is for permit renewal without changes. *<<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 BOD, suspended solids, ammonia, sulfate, nitrate, chloride, phosphorous, pH, E. Coli, and Dissolved solids. Domestic Wastewater is treated by Extended aeration with surface application disposal including bar screens, equalization tank, aeration basin, final clarifier, digester, effluent holding pond, and spray irrigation.

# INDUSTRIAL/MUNICIPAL APPLICATION ROUTE SHEET

Application Type: Renewal without changes

Authorization Type: Domestic Wastewater - Privately Owned Treatment Works

EPA Facility Classification: Minor

Permit Type: TLAP

☐ Final Flow > 1 MGD      ☒ N/A

DATE APPLICATION RECEIVED: 7/18/2024

PERMIT NUMBER: WQ0011975001

APPLICANT NAME: Titan Production Equipment, LLC

SITE NAME: Columbus Facility WWTF

ADMINISTRATIVE REVIEWER: Savannah Jackson

☐ COASTAL ZONE DETERMINATION      ☒ N/A

Complete Questions 1 and 2 of the [Coastal Zone Determination Form](#). Required if Yes to Question 2.

Notify Critical Conditions Reviewer ([sarah.musgrove@tceq.texas.gov](mailto:sarah.musgrove@tceq.texas.gov)); cc Assessments Team Leader ([mike.lindner@tceq.texas.gov](mailto:mike.lindner@tceq.texas.gov)).

☐ PRE-REVIEW BY STANDARDS (RWA)      ☒ N/A

Required for all TPDES new or major amendment applications. The RWA Determination and Form must be completed within **5 calendar days** of receipt.

TPDES: Notify Standards Implementation Team Leader ([peter.schaefer@tceq.texas.gov](mailto:peter.schaefer@tceq.texas.gov)) and ([de-keita.peoples@tceq.texas.gov](mailto:de-keita.peoples@tceq.texas.gov)).

☒ PRE-REVIEW BY GROUNDWATER      ☐ N/A

Required for all TLAP applications (include TPDES that have a TLAP or Sludge component).

TLAP: Notify GIS Staff for Segment Review ([hannah.zellner@tceq.texas.gov](mailto:hannah.zellner@tceq.texas.gov)); and Assessments Team Leader ([mike.lindner@tceq.texas.gov](mailto:mike.lindner@tceq.texas.gov)).

☒ PRE-REVIEW BY AGRONOMY      ☐ N/A

Required for all TLAP applications except Evaporation-only facilities (include TPDES that have a TLAP or Sludge component).

TLAP: Notify GIS Staff for Segment Review ([hannah.zellner@tceq.texas.gov](mailto:hannah.zellner@tceq.texas.gov)); and Assessments Team Leader ([mike.lindner@tceq.texas.gov](mailto:mike.lindner@tceq.texas.gov))

☐ PRE-TECH REVIEW BY PRETREATMENT      ☒ N/A

Required for all TPDES applications for publicly owned treatment works.

TPDES: Notify Pretreatment Team Leader ([colleen.cook@tceq.texas.gov](mailto:colleen.cook@tceq.texas.gov))

☐ PRE-TECH REVIEW BY INDUSTRIAL      ☒ N/A

Required for all applications (IND WW, IND SW, and RO WT).

Notify Ind Team Leader - (TBD) and ([thomas.starr@tceq.texas.gov](mailto:thomas.starr@tceq.texas.gov))

☐ PRE-TECH REVIEW BY MUNICIPAL      ☒ N/A

Required for new, major amend, major classified facilities, or final flow  $\geq$  1MGD

Notify Muni Team Leader ([deba.dutta@tceq.texas.gov](mailto:deba.dutta@tceq.texas.gov)); cc backup ([jose.martinez@tceq.texas.gov](mailto:jose.martinez@tceq.texas.gov))

**Coastal Zone Determination**  
(To Be Verified Upon Receipt of the Application)

Permit No.: W00011975001 County: Colorado

Type of Application: Renewal without changes

**Application Review and Processing Team's determination:**

1. Complete Item 1 if this is an application for Renewal, Minor Amendment, or Major Amendment (with or without renewal). Otherwise, skip to item 2.

**Is the facility on the Coastal Zone list?**

- ☐ YES (Coastal Zone statement will be included in the "Notice of Draft Permit") (If a major amendment - statement will be included in the "Notice of Receipt")
- ☒ NO (Do not include statement in any notice)

2. Complete Item 2 if this is an application for a New permit or a Major Amendment (with or without renewal). Otherwise, stop here.

**Is the facility located in one of the following counties?**

- |                                   |                                    |                                    |                                       |
|-----------------------------------|------------------------------------|------------------------------------|---------------------------------------|
| <input type="checkbox"/> Aransas  | <input type="checkbox"/> Galveston | <input type="checkbox"/> Kleberg   | <input type="checkbox"/> San Patricio |
| <input type="checkbox"/> Brazoria | <input type="checkbox"/> Harris    | <input type="checkbox"/> Matagorda | <input type="checkbox"/> Victoria     |
| <input type="checkbox"/> Calhoun  | <input type="checkbox"/> Jackson   | <input type="checkbox"/> Nueces    | <input type="checkbox"/> Willacy      |
| <input type="checkbox"/> Cameron  | <input type="checkbox"/> Jefferson | <input type="checkbox"/> Orange    |                                       |
| <input type="checkbox"/> Chambers | <input type="checkbox"/> Kenedy    | <input type="checkbox"/> Refugio   |                                       |

- ☐ YES Send the application to Water Quality Assessment Team for Coastal Zone Determination.
- ☐ NO No further review needed (Do not include statement in any notice)

**Water Quality Assessment Team's determination:**

3. Item 3 must be completed by the Water Quality Assessment Team if Item 2 is Yes.

**Is the discharge in the Coastal Zone?**

- ☐ YES Coastal Zone statement shall be included in the Admin Complete Notice
- ☐ NO Do not include statement in the Admin Complete Notice

Critical Conditions reviewer name:

Date:

Complete the CZD Form within **1 business day** of receipt of the request. Reply to the notification email from Savannah Jackson when the review and form are complete.

## Segment Review

**Application Type:** Renewal without changes

**Permit Type:** TLAP

**WQ Permit Number** : WQ0011975001

**Applicant:** Titan Production Equipment, LLC

**Region:** 12, Houston

**County:** Colorado

Provide the following information about the segment:

**Segment Number:**

**Segment Name:**

**Basin Name:**

**Additional Comments:**

Segment reviewer name: \_\_\_\_\_ Date: \_\_\_\_\_

## Region and ICIS Coders Routing Form

**Application Type:** Renewal without changes

**Authorization Type:** Domestic Wastewater - Privately Owned Treatment Works

**EPA Facility Classification:** Minor

**Permit Type:** TLAP

**DATE APPLICATION RECEIVED:** July 18, 2024

**PERMIT NUMBER:** WQ0011975001

**APPLICANT NAME:** Titan Production Equipment, LLC

**SITE NAME:** Columbus Facility WWTF

**ADMINISTRATIVE REVIEWER:** Savannah Jackson

☒ **Region 12, Houston**

All applications

☐ **ICIS CODERS**

TPDES applications ONLY

([WQD-ICIS@tceq.texas.gov](mailto:WQD-ICIS@tceq.texas.gov))



PERMIT NO. WQ0011975001

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

This amendment supersedes and  
replaces Permit No.  
WQ0011975001 issued on  
July 7, 2014.

**PERMIT TO DISCHARGE WASTES**  
under provisions of Chapter 26  
of the Texas Water Code

Titan Production Equipment, LLC

whose mailing address is

2207 Farm-to-Market Road 949  
Alleyton, Texas 78935

Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code  
3533.

**General Description and Location of Waste Disposal System:**

**Description:** The Titan PEQ Columbus Wastewater Treatment Facility consists of an activated sludge process plant using the extended aeration mode. Treatment units include bar screens, equalization tank, aeration basin, final clarifier, and an aerobic sludge digester. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.006 million gallons per day (MGD) via surface irrigation of 10 acres of non-public access pastureland. The facility includes one storage tank with a total capacity of 126,000 gallons for storage of treated effluent prior to irrigation. This shall be replaced by a storage pond with a total surface area of 0.35 acre and a total capacity of 1.76 acre-feet for storage of effluent prior to irrigation. Application rates to the irrigated land shall not exceed 0.53 acre-feet per year per acre irrigated based on an irrigation frequency of 5 days per week. The permittee shall maintain Bermuda grass, ryegrass, and native grasses on the disposal site. **Location:** The wastewater treatment facility and disposal site are located at 2207 Farm-to-Market Road 949, in the City of Alleyton, in Colorado County, Texas 78935. (See Attachment A.)

**Drainage Area:** The wastewater treatment facility and disposal site are located in the drainage basin of San Bernard River Above Tidal in Segment No. 1302 of the Brazos-Colorado Coastal Basin. No discharge of pollutants into water in the state is authorized by this permit.

This permit and the authorization contained herein shall expire at midnight on **five years from the date of issuance.**

ISSUED DATE: **February 10, 2020**

A handwritten signature in black ink, appearing to read "T. G. Baker".

For the Commission



**EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

**Conditions of the Permit: No discharge of pollutants into water in the state is authorized.**

**A. Effluent Limitations**

Character: Treated Domestic Sewage Effluent

Volume: Daily Average Flow – 0.006 MGD from the treatment system

Quality: The following effluent limitations are required:

<u>Parameter</u>	<u>Effluent Concentrations</u>	
	(Not to Exceed)	
	<u>Daily</u>	<u>Single</u>
	<u>Average</u> mg/l	<u>Grab</u> mg/l
Biochemical Oxygen Demand (5-day)	N/A	65

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units.

**B. Monitoring Requirements:**

<u>Parameter</u>	<u>Monitoring Frequency</u>	<u>Sample Type</u>
Flow	Five/week	Instantaneous
Biochemical Oxygen Demand (5-day)	One/month	Grab
pH	One/month	Grab

The monitoring shall be done after the final treatment unit and prior to storage of the treated effluent. If the effluent is land applied directly from the treatment system, monitoring shall be done after the final treatment unit and prior to land application. These records shall be maintained on a monthly basis and be available at the plant site for inspection by authorized representatives of the Commission for at least three years.

## STANDARD PERMIT CONDITIONS

This permit is granted in accordance with the Texas Water Code and the rules and other Orders of the Commission and the laws of the State of Texas.

## DEFINITIONS

All definitions in Section 26.001 of the Texas Water Code 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. 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.
- b. 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 1 million gallons per day or greater permitted flow.
- c. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.

### 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.



### 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 (b).
  - 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 and/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 which 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 REQUIREMENTS

### 1. Monitoring Requirements

Monitoring results shall be collected 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 in accordance with 30 TAC §§ 319.4 - 319.12.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Texas Water Code, Chapters 26, 27, and 28, and Texas Health and Safety Code, 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, records 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, monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, and records of all data used to complete the application for this permit 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, or application. 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 determining compliance with permit requirements.

### 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 and/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 Compliance Monitoring Team of the Enforcement Division (MC 224).



## 7. Noncompliance Notification

- a. In accordance with 30 TAC § 305.125(9), any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Except as allowed by 30 TAC § 305.132, 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 Compliance Monitoring Team of the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. 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 which exceeds any effluent limitation in the permit.
  - c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Compliance Monitoring Team of 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 Compliance Monitoring Team of the Enforcement Division (MC 224) as promptly as possible.
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 Compliance Monitoring Team of 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 which 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) which 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 which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which 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).

## **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 which 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 Texas Water Code Section 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 Special Provisions section of this permit.
  - h. 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).
3. Inspections and Entry
- a. Inspection and entry shall be allowed as prescribed in the Texas Water Code Chapters 26, 27, and 28, and Texas Health and Safety Code 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 Texas Water Code Section 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 and/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 could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9;
  - ii. 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 which are not described in the permit application or which 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 Texas Water Code § 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.

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 which requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Property Rights

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

8. 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.

9. 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.

10. 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(14)) 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 and/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, and/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 Texas Water Code § 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 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 which 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 percent of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90 percent 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 and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75 percent 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 judgement 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. Facilities which 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 221) 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.

11. 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 Chapter 361 of the Texas Health and Safety Code.

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## SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge. **The disposal of sludge by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of Class A or Class AB Sewage Sludge. This provision does not authorize the permittee to land apply sludge on property owned, leased or under the direct control of the permittee.**

### SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE LAND APPLICATION

#### A. General Requirements

1. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.
2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.
3. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

#### B. Testing Requirements

1. Sewage sludge shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 12) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 12) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30<sup>th</sup> of each year. Effective September 1, 2020, the permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

2. Sewage sludge shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C. of this permit.

TABLE 1

<u>Pollutant</u>	<u>Ceiling Concentration</u> <u>(Milligrams per kilogram)*</u>
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

\* Dry weight basis

### 3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B pathogen requirements.

- a. For sewage sludge to be classified as Class A with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge must be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(2)(A) for specific information;



Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion; or

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

- b. For sewage sludge to be classified as Class AB with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%; or

Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information; or

Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

- c. Sewage sludge that meets the requirements of Class AB sewage sludge may be classified a Class A sewage sludge if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.
- d. Three alternatives are available to demonstrate compliance with Class B criteria for



sewage sludge.

Alternative 1

- i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.
- ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;
- ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;
- iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and
- v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a

single location, except as provided in paragraph v. below;

- ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;
- iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and
- v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition to the Alternatives 1 – 3, the following site restrictions must be met if Class B sludge is land applied:

- i. Food crops with harvested parts that touch the sewage sludge/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of sewage sludge.
- ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of sewage sludge when the sewage sludge remains on the land surface for 4 months or longer prior to incorporation into the soil.
- iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of sewage sludge when the sewage sludge remains on the land surface for less than 4 months prior to incorporation into the soil.
- iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of sewage sludge.
- v. Animals shall not be allowed to graze on the land for 30 days after application of sewage sludge.
- vi. Turf grown on land where sewage sludge is applied shall not be harvested for 1 year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn.



- vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of sewage sludge.
- viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of sewage sludge.
- ix. Land application of sludge shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.

#### 4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

- Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.
- Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.
- Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.
- Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.
- Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.
- Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.
- Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are

defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

- i. Sewage sludge shall be injected below the surface of the land.
- ii. No significant amount of the sewage sludge shall be present on the land surface within one hour after the sewage sludge is injected.
- iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the sewage sludge shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10 -

- i. Sewage sludge applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
- ii. When sewage sludge that is incorporated into the soil is Class A or Class AB with respect to pathogens, the sewage sludge shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

### C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test	- once during the term of this permit
PCBs	- once during the term of this permit

All metal constituents and fecal coliform or *Salmonella* sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

<u>Amount of sewage sludge (*) metric tons per 365-day period</u>	<u>Monitoring Frequency</u>
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter
1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(\*) *The amount of bulk sewage sludge applied to the land (dry wt. basis).*



Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

Identify in the following categories (as applicable) the sewage sludge treatment process or processes at the facility: preliminary operations (e.g., sludge grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

**SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3**

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

**A. Pollutant Limits**

Table 2

<u>Pollutant</u>	Cumulative Pollutant Loading Rate (pounds per acre)*
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

<u>Pollutant</u>	Monthly Average Concentration (milligrams per kilogram)*
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

\*Dry weight basis

**B. Pathogen Control**

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B pathogen reduction requirements as defined above in Section I.B.3.

**C. Management Practices**

1. Bulk sewage sludge shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge enters a wetland or other waters in the State.
2. Bulk sewage sludge not meeting Class A requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.
3. Bulk sewage sludge shall be applied at or below the agronomic rate of the cover crop.
4. An information sheet shall be provided to the person who receives bulk sewage sludge sold or given away. The information sheet shall contain the following information:
  - a. The name and address of the person who prepared the sewage sludge that is sold or given away in a bag or other container for application to the land.
  - b. A statement that application of the sewage sludge to the land is prohibited except in accordance with the instruction on the label or information sheet.
  - c. The annual whole sludge application rate for the sewage sludge application rate for the sewage sludge that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

**D. Notification Requirements**

1. If bulk sewage sludge is applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk sewage sludge is proposed to be applied. The notice shall include:
  - a. The location, by street address, and specific latitude and longitude, of each land application site.
  - b. The approximate time period bulk sewage sludge will be applied to the site.
  - c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk sewage sludge.
2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

**E. Record keeping Requirements**

The sludge documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a sewage sludge material shall develop the following information and shall retain the information at



the facility site and/or shall be readily available for review by a TCEQ representative for a period of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.
2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B sludge, if applicable).
3. A description of how the vector attraction reduction requirements are met.
4. A description of how the management practices listed above in Section II.C are being met.
5. The following certification statement:

"I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk sewage sludge is applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment."

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk sewage sludge or a sewage sludge material shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:
  - a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee's specific sludge treatment activities.
  - b. The location, by street address, and specific latitude and longitude, of each site on which sludge is applied.
  - c. The number of acres in each site on which bulk sludge is applied.
  - d. The date and time sludge is applied to each site.

- e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.
- f. The total amount of sludge applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

## **F. Reporting Requirements**

The permittee shall report annually to the TCEQ Regional Office (MC Region 12) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30<sup>th</sup> of each year the following information. Effective September 1, 2020, the permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge treatment process or processes at the facility: preliminary operations (e.g., sludge grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.
3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.
4. The frequency of monitoring listed in Section I.C. that applies to the permittee.
5. Toxicity Characteristic Leaching Procedure (TCLP) results.
6. PCB concentration in sludge in mg/kg.
7. Identity of hauler(s) and TCEQ transporter number.
8. Date(s) of transport.
9. Texas Commission on Environmental Quality registration number, if applicable.
10. Amount of sludge disposal dry weight (lbs/acre) at each disposal site.
11. The concentration (mg/kg) in the sludge of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.
12. Level of pathogen reduction achieved (Class A, Class AB or Class B).
13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B sludge, include information on how site restrictions were met.



14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.
15. Vector attraction reduction alternative used as listed in Section I.B.4.
16. Amount of sludge transported in dry tons/year.
17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge treatment activities, shall be attached to the annual reporting form.
18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.
  - a. The location, by street address, and specific latitude and longitude.
  - b. The number of acres in each site on which bulk sewage sludge is applied.
  - c. The date and time bulk sewage sludge is applied to each site.
  - d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk sewage sludge applied to each site.
  - e. The amount of sewage sludge (i.e., dry tons) applied to each site.

The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.



**SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE  
DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL**

- A. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge meets the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
- B. If the permittee generates sewage sludge and supplies that sewage sludge to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.
- C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.
- D. Sewage sludge shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

Following failure of any TCLP test, the management or disposal of sewage sludge at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 12) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 12) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30 of each year.

- E. Sewage sludge shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 330.
- F. Record keeping Requirements

The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.
2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

#### G. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 12) and Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30<sup>th</sup> of each year the following information. Effective September 1, 2020, the permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge treatment process or processes at the facility: preliminary operations (e.g., sludge grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Toxicity Characteristic Leaching Procedure (TCLP) results.
3. Annual sludge production in dry tons/year.
4. Amount of sludge disposed in a municipal solid waste landfill in dry tons/year.
5. Amount of sludge transported interstate in dry tons/year.
6. A certification that the sewage sludge meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
7. Identity of hauler(s) and transporter registration number.
8. Owner of disposal site(s).
9. Location of disposal site(s).
10. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.



**SECTION IV. REQUIREMENTS APPLYING TO SLUDGE TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING**

These provisions apply to sludge that is transported to another wastewater treatment facility or facility that further processes sludge. These provisions are intended to allow transport of sludge to facilities that have been authorized to accept sludge. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge, nor do they limit the ability of the receiving facility to request additional testing or documentation.

**A. General Requirements**

1. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.
2. Sludge may only be transported using a registered transporter or using an approved pipeline.

**B. Record Keeping Requirements**

1. For sludge transported by an approved pipeline, the permittee must maintain records of the following:
  - a. the amount of sludge transported;
  - b. the date of transport;
  - c. the name and TCEQ permit number of the receiving facility or facilities;
  - d. the location of the receiving facility or facilities;
  - e. the name and TCEQ permit number of the facility that generated the waste; and
  - f. copy of the written agreement between the permittee and the receiving facility to accept sludge.
2. For sludge transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge transported.
3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

**C. Reporting Requirements**

The permittee shall report the following information annually to the TCEQ Regional Office (MC Region 12) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30<sup>th</sup> of each year. Effective September 1, 2020, the permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge treatment process or processes at the facility: preliminary operations (e.g., sludge grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. the annual sludge production;
3. the amount of sludge transported;
4. the owner of each receiving facility;
5. the location of each receiving facility; and
6. the date(s) of disposal at each receiving facility.

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**SPECIAL PROVISIONS:**

1. This permit is 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 this permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, if an area-wide system is developed; to require the delivery of the wastes authorized to be collected in, treated by, or discharged from the system, to an 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.
2. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.

This Category C \* facility must be operated by a chief operator or an operator holding a Category C \* license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift which does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

\*A Class D Wastewater Treatment Operator license is not renewable for operators of a facility listed in 30 TAC Section 30.342(c) and must be upgraded to a Class C Wastewater Treatment Operator license or higher prior to the expiration date of the Class D license.

3. The permittee shall maintain and operate the treatment facility in order to achieve optimum efficiency of treatment capability. This shall include required monitoring of effluent flow and quality as well as appropriate grounds and building maintenance.

4. The permittee shall obtain representative soil samples from the root zones of the land application area receiving wastewater. Composite sampling techniques shall be used. Each composite sample shall represent no more than 10 acres with no less than 10 to 15 subsamples representing each composite sample. Subsamples shall be composited by like sampling depth, type of crop and soil type for analysis and reporting. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 to 18 inches, and 18 to 30 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.

The permittee shall provide annual soil analyses of the land application area according to the following table:

Parameter	Method	Minimum Analytical Level (MAL)	Reporting units
pH	2:1 (v/v) water to soil mixture		Reported to 0.1 pH units after calibration of pH meter
Electrical Conductivity	2:1 (v/v) water to soil mixture	0.01	dS/m (same as mmho/cm)
Nitrate-nitrogen	From a 1 N KCl soil extract	1	mg/kg (dry weight basis)
Total Kjeldahl Nitrogen (TKN)	For determination of Organic plus Ammonium Nitrogen. Procedures that use Mercury (Hg) are not acceptable.	20	mg/kg (dry weight basis)
Total Nitrogen	= TKN plus Nitrate-nitrogen		mg/kg (dry weight basis)
Plant-available: Phosphorus	Mehlich III with inductively coupled plasma	1 (P)	mg/kg (dry weight basis)
Plant-available: Potassium (K)	May be determined in the same Mehlich III extract with inductively coupled	5 (K)	mg/kg (dry weight basis)



	plasma		
Amendment addition, e.g., gypsum			Report in <i>short tons/acre</i> in the year effected

A copy of this soil testing plan shall be provided to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the TCEQ Regional Office (MC Region 12) and the Compliance Monitoring Team (MC 224), no later than the end of September of each sampling year. If wastewater is not applied in a particular year, the permittee shall notify the same TCEQ offices and indicate that wastewater has not been applied on the approved land irrigation site(s) during that year.

5. Irrigation practices shall be designed and managed so as to prevent ponding of effluent or contamination of ground and surface waters to prevent the occurrence of nuisance conditions in the area. Bermuda grass, Ryegrass and Native grasses shall be established and well maintained in the irrigation area throughout the year for effluent and nutrient uptake by the crop and to prevent pathways for effluent surfacing. Tailwater control facilities shall be provided as necessary to prevent the discharge of any effluent from the irrigated land.
6. The permittee shall maintain Bermuda grass, ryegrass, native grasses on the disposal site. Application rates to the irrigated land shall not exceed 0.53 acre-feet per year per acre irrigated. The permittee is responsible for providing equipment to determine application rates and maintaining accurate records of the volume of effluent applied. These records shall be made available for review by the Texas Commission on Environmental Quality and shall be maintained for at least three years.
7. Holding or storage ponds shall conform to the design criteria for stabilization ponds with regard to construction and levee design and shall maintain a minimum freeboard of two feet according to 30 TAC Chapter 217, Design Criteria for Wastewater Treatment Systems.
8. The permittee shall comply with buffer zone requirements of 30 TAC Section §309.13(c). A wastewater treatment plant unit, defined by 30 TAC Section §309.11(9), must be located a minimum horizontal distance of 250 feet from a private well and a minimum horizontal distance of 500 feet from a public water well site, spring, or other similar sources of public drinking water, as provided by §290.41(c)(1) of this title. A land application field must be located a minimum horizontal distance of 150 feet from a private well and a minimum horizontal distance of 500 feet from a public water well site, spring, or other similar sources of public drinking water.
9. Any new or modified wastewater pond shall be adequately lined to control seepage in accordance with 30 TAC §217.203 **and** 30 TAC §309.13(d) since the facility overlies the recharge zone of an aquifer.
10. The permittee shall submit the liner certification for a newly-constructed or modified wastewater pond to the Water Quality Assessment Team (MC-150), the TCEQ Regional Office (MC-Region 12), and the TCEQ Compliance Monitoring Section (MC-224) within 30 days of completion and prior to use. The certification shall be signed and sealed by a Texas-licensed professional engineer and include a description of how the liner meets the requirements of 30 TAC §217.203 **and** 30 TAC §309.13(d).

Facilities for the retention of treated or untreated wastewater shall be adequately managed and lined to control seepage. At least once per month, the permittee shall inspect the sides



and bottom (if visible) of the wastewater ponds for signs of damage and leakage, and any pond leak detection systems that are in service. Leaking ponds shall be removed from service, or operated in a manner to prevent discharge, until repairs are made or replacement ponds are constructed.

11. The permittee shall maintain a minimum horizontal buffer distance of 100 feet from all surface waters where no land application of effluent will occur.
12. Prior to construction or installation of the bar screen and equalization basin of the wastewater treatment facilities, the permittee shall submit to the TCEQ Wastewater Permitting Section (MC 148) of the Water Quality Division, a summary transmittal letter according to the requirements in 30 TAC § 217.6(d). If requested by the Wastewater Permitting Section, the permittee shall submit plans, specifications and a final engineering design report which comply with the requirements of 30 TAC Chapter 217, Design Criteria for Domestic Wastewater Systems. The permittee shall clearly show how the treatment system will meet the permitted effluent limitations required on Page 2 of the permit. A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.
13. The permittee shall notify the TCEQ Regional Office (MC Region 12) and the Applications Review and Processing Team (MC 148) of the Water Quality Division, in writing at least forty-five (45) days prior to the completion of the new facilities (bar screen, equalization basin, and storage pond) on Notification of Completion Form 20007.
14. Effluent shall not be applied for irrigation during rainfall events or when the ground is frozen or saturated.
15. The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). In addition, by ownership of the required buffer zone area, the permittee shall comply with the requirements of 30 TAC § 309.13(e).
16. The permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply for any area where treated effluent is stored or where there exist hose bibs or faucets. Signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message "DO NOT DRINK THE WATER" in both English and Spanish. All piping transporting the effluent shall be clearly marked with these same signs.
17. Spray fixtures for the irrigation system shall be of such design that they cannot be operated by unauthorized personnel.
18. Permanent transmission lines shall be installed from the holding tank to each tract of land to be irrigated utilizing effluent from that pond.
19. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.



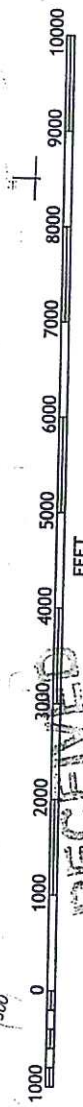
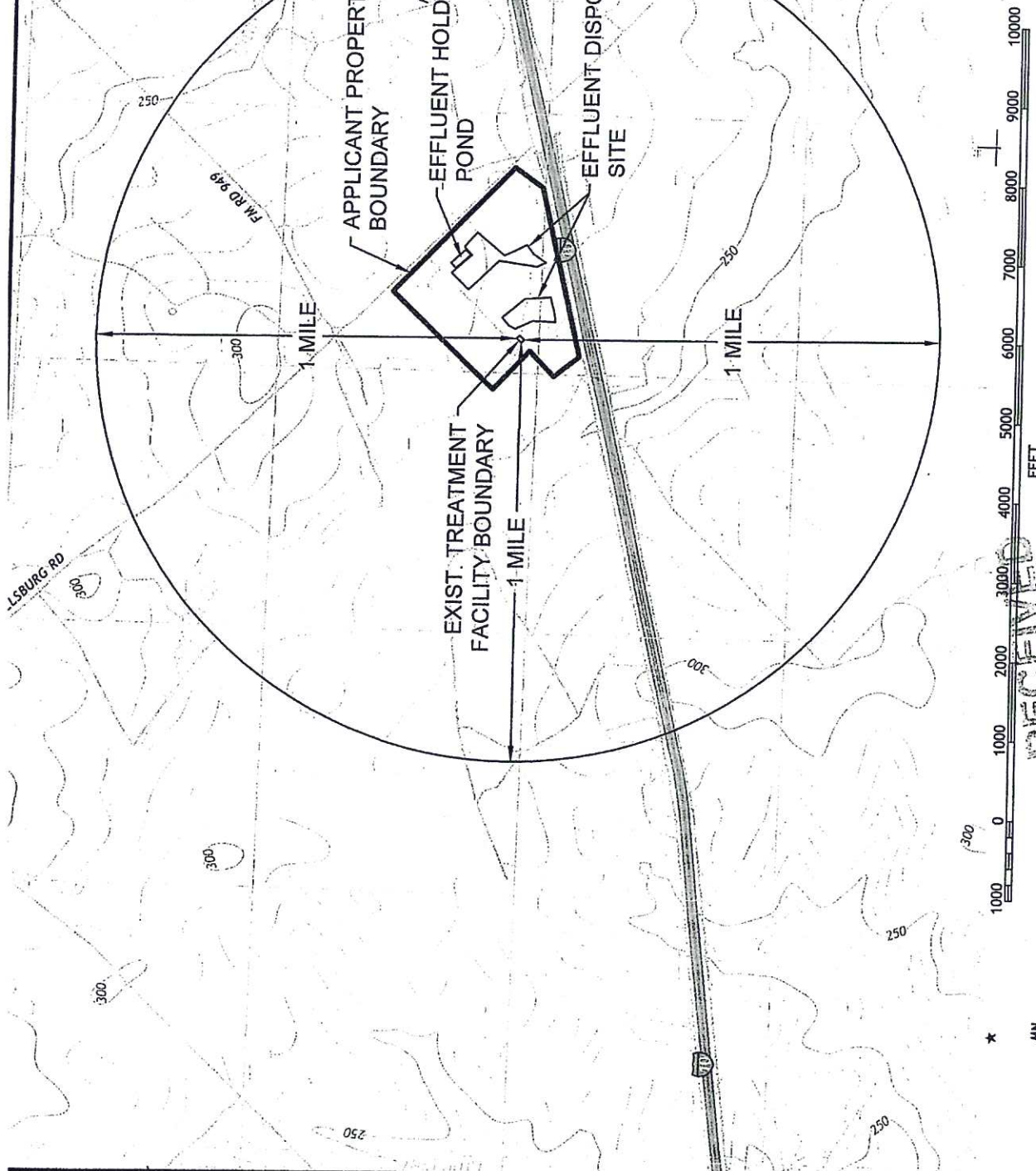
Titan Production Equipment, LLC  
TCEQ Permit No. WQ0011975001

# ATTACHMENT A

ATTACHMENT B  
USGS MAP  
TITAN PRODUCTION EQUIPMENT LLC  
ALLEYTON, TX  
COLORADO COUNTY

Weishuhn Engineering Inc.  
425 SPRING STREET, P.O. BOX 358  
Columbus, Texas 78834  
(979) 732-6997-PHONE  
F-66

SCALE: 1"=2,000' DATE: 12/18/18 SHEET of



RECEIVED  
JAN 04 2019  
Water Quality Division  
Application Team

UTM GRID AND 2016 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

R:\Exterrnan to Titan\TLAP 2018\Permit Application\Attachment B Topographic Map 8.5x11.dwg