

# Technical Package Cover Page

### This file contains the following documents:

- 1. Summary of application (in plain language)
  - English
  - Alternative Language (Spanish)
- 2. First notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
  - English
  - Alternative Language (Spanish)
- 3. Second notice (NAPD-Notice of Preliminary Decision)
  - English
  - Alternative Language (Spanish)
- 4. Application materials \*
- 5. Draft permit \*
- 6. Technical summary or fact sheet \*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



## PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

Applicants should use this template to develop a plain language summary as required by <u>Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H</u>. 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 <u>30 TAC Section 39.426</u>, <u>you must provide a translated copy of the completed plain language summary in the</u> <u>appropriate alternative language as part of your application package</u>. For your convenience, a Spanish template has been provided below.

## ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC 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.* 

City of Kress (CN600337877) operates City of Kress Wastewater Treatment Plant (RN101919124), a wastewater treatment facility that serves the resident of the City of Kress. The facility is located at 1 mile southeast of the intersection of Stet Highway 87 and Farm-to Market Road 145, in City of Kress, Swisher County, Texas 79052. This application is for the renewal to dispose a daily average flow not to exceed 108,000 gallons per day of treated domestic wastewater via surface irrigation system of 40 acres of non-public access agricultural land. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain Biochemical Oxygen Demand (5-day). Domestic wastewater is treated by Imhoff tank and three oxidation/storage ponds.

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



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

#### PERMIT NO. WQ0010409001

**APPLICATION.** City of Kress, P.O. Box 236, Kress, Texas 79052, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0010409001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 108,000 gallons per day via non-public access irrigation system with a minimum area of 40 acres. The domestic wastewater treatment facility and disposal area are located approximately 1 mile Southeast of the intersection of Farm-to-Market Road 145 and State Highway 87, near the city of Kress, in Swisher County, Texas 79052. TCEQ received this application on July 25, 2024. The permit application will be available for viewing and copying at Kress City Office, 308 Skipworth Avenue, Kress, in Swisher 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: <a href="https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications">https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications</a>. 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=-101.741111,34.362222&level=18

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

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

**OPPORTUNITY FOR A CONTESTED CASE HEARING.** After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application** 

is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application. If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing. A contested case hearing is a legal proceeding similar to a civil trial in state district court.

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

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

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

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

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

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at <u>www.tceq.texas.gov/goto/cid</u>. 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 <u>https://www14.tceq.texas.gov/epic/eComment/</u>, 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 <u>www.tceq.texas.gov/goto/pep</u>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from City of Kress at the address stated above or by calling Mr. Johnny Taylor, Mayor, at 832-684-2525.

Issuance Date: August 8, 2024

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



#### COMBINED

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

AND

#### NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR WATER QUALITY LAND APPLICATION PERMIT FOR MUNICIPAL WASTEWATER

#### RENEWAL

#### PERMIT NO. WQ0010409001

**APPLICATION AND PRELIMINARY DECISION**. City of Kress, P.O. Box 236, Kress, Texas, 79052, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0010409001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 108,000 gallons per day via surface irrigation of 40 acres of non-public access agricultural land. This permit will not authorize a discharge of pollutants into water in the state. TCEQ received this application on July 25, 2024.

## This combined notice is being issued to correct an error in the phone number that was published in the NORI.

The wastewater treatment facility and disposal site are located approximately 1 mile Southeast of the intersection of Farm-to-Market Road 145 and State Highway 87, near the City of Kress, in Swisher County, Texas 79052. The wastewater treatment facility and disposal site are located in the drainage basin of Mackenzie Reservoir in Segment No. 0228 of the Red River 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=-101.741111.34.362222&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 Kress City Office, 308 Skipworth Avenue, Kress, in Swisher County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage: <u>Pending Application Information: Texas Land Application Permits (TLAPs)</u> <u>- Texas Commission on Environmental Quality - www.tceq.texas.gov</u>.

**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 <a href="http://www.tceq.texas.gov/goto/comment">www.tceq.texas.gov/goto/comment</a> within 30 days from the date of newspaper publication of this notice.

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at <u>www.tceq.texas.gov/goto/cid</u>. 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 <u>www.tceq.texas.gov/goto/comment</u>, 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 <u>www.tceq.texas.gov/goto/pep</u>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from City of Kress at the address stated above or by calling Mr. Johnny Taylor, Mayor, at **806**-684-2525.

Issuance Date: June 10, 2025

#### PERMIT NO. WQ0010409001



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

This is a renewal of Permit No. WQ0010409001 issued on December 30, 2014.

#### <u>PERMIT TO DISCHARGE WASTES</u> under provisions of Chapter 26 of the Texas Water Code

City of Kress

whose mailing address is

P.O. Box 236, Kress, Texas, 79052

Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code 4952.

General Description and Location of Waste Disposal System:

Description: The City of Kress Wastewater Treatment Facility consists of a pond system. Treatment units include an Imhoff tank and three oxidation storage ponds with a total surface area of 2.1 acres and a total volume of 9.3 acre-feet. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.108 million gallons per day (MGD) via surface irrigation of 40 acres of non-public access agricultural land. Application rates to the irrigated land shall not exceed 3.0 acre-feet per year per acre irrigated. The irrigated crops include wheat and haygrazer in rotation with cotton or grain sorghum.

Location: The wastewater treatment facility and disposal site are located approximately 1 mile Southeast of the intersection of Farm-to-Market Road 145 and State Highway 87, near the City of Kress, in Swisher County, Texas 79052. (See Attachment A.)

Drainage Area: The wastewater treatment facility and disposal site are located in the drainage basin of Mackenzie Reservoir in Segment No. 0228 of the Red River 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:** 

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
<u>Volume</u> :	Daily Average Flow – 0.108 MGD from the treatment system
<u>Quality</u> :	The following effluent limitations are required:

	Effluent Concentrations		
	(Not to Exceed)		
	Daily	Single	
<u>Parameter</u>	<u>Average</u>	<u>Grab</u>	
	mg/l	mg/l	
Biochemical Oxygen Demand (5-day)	N/A	100	

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

B. <u>Monitoring Requirements</u>:

<u>Parameter</u>	Monitoring Frequency	<u>Sample Type</u>
Flow	Five/week	Instantaneous
Biochemical Oxygen	One/month	Grab
Demand (5-day)	·	
рН	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 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-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 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  $\mu$ g/L);
- ii. Two hundred micrograms per liter (200  $\mu$ g/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500  $\mu$ g/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
- iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
- iv. The level established by the TCEQ.
- b. That any activity has occurred or will occur 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  $\mu$ g/L);
  - ii. One milligram per liter (1 mg/L) for antimony;
  - iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
  - iv. The level established by the 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 upon the effective 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

Sewage sludge or biosolids shall be tested once during the term of this permit in 1. 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 1) 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 1) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30<sup>th</sup> of each year.

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.

<u>Pollutant</u>	Ceiling Concentration
	( <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

#### TABLE 1

\* 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:

<u>Alternative 1</u> - 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:

<u>Alternative 2</u> - 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

<u>Alternative 3</u> - 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)(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

<u>Alternative 4</u> - 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.

#### <u>Alternative 1</u>

- 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).

<u>Alternative 2</u> - 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.

<u>Alternative 3</u> - 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.

- <u>Alternative 1</u> The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.
- <u>Alternative 2</u> 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.
- <u>Alternative 3</u> 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.
- <u>Alternative 4</u> 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.
- <u>Alternative 5</u> 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.
- <u>Alternative 6</u> 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.
- <u>Alternative 7</u> 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.
- <u>Alternative 8</u> 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.

- <u>Alternative 9</u> 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.
- <u>Alternative 10-</u> 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	- once during the term of this permit
(TCLP) Test	
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):

Amount of biosolids(*) <u>metric tons per 365-day period</u>	Monitoring Frequency
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 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 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:

Table 2

#### A. Pollutant Limits

<u>Pollutant</u> Arsenic Cadmium Chromium Copper Lead Mercury Molybdenum Nickel Selenium Zinc		Cumulative Pollutant Loading Rate ( <u>pounds per acre</u> )* 36 35 2677 1339 268 15 Report Only 375 89 2500
	Table 3	
Dellutent		Monthly Average Concentration
Pollutant		( <u>milligrams per kilogram</u> )*
Arsenic		41
Cadmium		39
Chromium		1200
Copper		1500

	Concentration	
<u>Pollutant</u>	( <u>milligrams per kilogram</u>	<u>1)</u>
Arsenic	41	
Cadmium	39	
Chromium	1200	
Copper	1500	
Lead	300	
Mercury	17	
Molybdenum	Report Only	
Nickel	420	
Selenium	36	
Zinc	2800	
	*Dry weight basis	

#### \*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 <u>five years</u>. 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), <u>or</u> 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 <u>indefinitely</u>. 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 report annually to the TCEQ Regional Office (MC Region 1) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30<sup>th</sup> of each year the following information.

- 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 1) 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 1) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30 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 report annually to the TCEQ Regional Office (MC Region 1) and Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30<sup>th</sup> of each year the following information.

- 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 report the following information annually to the TCEQ Regional Office (MC Region 1) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30<sup>th</sup> of each year.

- 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.

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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 D facility must be operated by a chief operator or an operator holding a Class D 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 irrigated crops include wheat and haygrazer in rotation with cotton or grain sorghum. Application rates to the irrigated land shall not exceed 3.0 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.
- 5. Irrigation practices shall be designed and managed so as to prevent ponding of effluent or contamination of ground and surface waters and to prevent the occurrence of nuisance conditions in the area. Crops 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. Effluent shall not be applied for irrigation during rainfall events or when the ground is frozen or saturated.
- 7. The permittee shall erect adequate signs stating that the irrigation water is from a nonpotable 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.
- 8. Spray fixtures for the irrigation system shall be of such design that they cannot be operated by unauthorized personnel.
- 9. The permittee shall maintain a long term contract with the owner(s) of the land application site which is authorized for use in this permit, or own the land authorized for land application of treated effluent.
- 10. The permittee shall obtain representative soil samples from the root zones of the land application area. Composite sampling techniques shall be used. Each composite sample shall represent no more than 40 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.

Parameter	Method	Minimum Analytical Level (MAL)	Reporting units
рН	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	20	mg/kg (dry weight basis)

Samples shall be analyzed annually according to the following table:

	use Mercury (Hg) are not acceptable.		
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</i> <i>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 1) and the Compliance Monitoring Team (MC 224) of the Enforcement Division, 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.

- 11. Irrigation with effluent shall be accomplished only when the area specified is not in use.
- 12. Permanent transmission lines shall be installed from the holding pond to each tract of land to be irrigated utilizing effluent from that pond.
- 13. 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.
- 14. 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. 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 Amarillo Regional Office (MC-Region 1), 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) since the facility is located on the recharge zone of an aquifer.

- 15. The existing oxidation/holding/storage ponds shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.
- 16. 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 oxidation pond 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.
- 17. 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.
- 18. The physical condition of the spray irrigation fields will be monitored on a weekly basis when the fields are being utilized for the purpose of wastewater irrigation. Any areas with problems such as surface runoff, surficial erosion, stressed or damaged vegetation will be recorded in the field log kept onsite and corrective measures will be initiated within 24 hours of discovery.
- 19. The permittee shall use cultural practices to promote and maintain the health and propagation of the wheat, haygrazer, cotton, and grain sorghum crops and avoid plant lodging. The permittee shall harvest the crops (cut and remove it from the field) at least twice time during the year. Harvesting and mowing dates shall be recorded in a log book kept on site to be made available to TCEQ personnel upon request.

Attachment A



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

#### **DESCRIPTION OF APPLICATION**

Applicant:	City of Kress TCEQ Permit No. WQ0010409001
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

City of Kress has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Permit No. WQ0010409001 to authorize the disposal of treated domestic wastewater at a daily average flow not to exceed 0.108 million gallons per day (MGD) via surface irrigation of 40 acres of non-public access agricultural land. The facility includes three oxidation storage ponds with a total surface area of 2.1 acres and total capacity of 9.3 acre-feet for storage of treated effluent prior to irrigation. The existing wastewater treatment facility serves the City of Kress.

#### PROJECT DESCRIPTION AND LOCATION

The City of Kress Wastewater Treatment Facility consists of a pond system. Treatment units include an Imhoff tank and three oxidation storage ponds with a total surface area of 2.1 acres and a total volume of 9.3 acre-feet. The facility is in operation.

The facility is a pond system and sludge from the ponds has not been removed for sludge disposal to date. 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 approximately 1 mile Southeast of the intersection of Farm-to-Market Road 145 and State Highway 87, near the City of Kress, in Swisher County, Texas 79052.

City of Kress Permit No. WQ0010409001 Statement of Basis/Technical Summary and Executive Director's Preliminary Decision

The wastewater treatment facility and disposal site are located in the drainage basin of Mackenzie Reservoir in Segment No. 0228 of the Red River 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 October 2023 through June 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 ( $BOD_5$ ).

<u>Parameter</u>	Average of Daily Average
Flow, MGD	0.04
$BOD_5$ , mg/l	45

#### **DRAFT PERMIT CONDITIONS**

The draft permit authorizes the disposal of treated domestic wastewater effluent at a daily average flow not to exceed 0.108 MGD via surface irrigation of 40 acres of non-public access agricultural land. The facility includes three storage ponds with a total surface area of 2.1 acres and total capacity of 9.3 acre-feet for storage of treated effluent prior to irrigation. Application rates to the irrigated land shall not exceed 3.0 acre-feet per year per acre irrigated. The irrigated crops include wheat and haygrazer in rotation with cotton or grain sorghum.

The effluent limitation in the draft permit, based on a single grab, is 100 mg/l biochemical oxygen demand  $(BOD_5)$ .

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. The facility is a pond system and sludge from the ponds has not been removed for sludge disposal to date. 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.

This facility was originally designed and constructed to operate with combined oxidation and storage ponds. Samples must be taken prior to irrigation using the effluent.

#### 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.

SECTION IV, REQUIREMENTS APPLYING TO SLUDGE OR BIOSOLIDS TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING, has been added to the Sludge Provisions of the draft permit to allow the transportation of sludge or biosolids to another facility. City of Kress Permit No. WQ0010409001 Statement of Basis/Technical Summary and Executive Director's Preliminary Decision

Certain accidental discharges or spills of treated or untreated wastewater from wastewater treatment facilities or collection systems owned or operated by a local government may be reported on a monthly basis in accordance with 30 TAC § 305.132.

Special Provision No. 10 has been updated from the existing permit.

Special Provisions Nos. 14 through 19 have been added to the draft permit.

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

#### BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

- 1. Application received on July 25, 2024, and additional information received on August 2, 2024 and April 10, 2025.
- 2. Existing TCEQ permit: Permit No. WQ0010409001 issued on December 30, 2014.
- 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

City of Kress Permit No. WQ0010409001 Statement of Basis/Technical Summary and Executive Director's Preliminary Decision

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

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

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

For additional information about this application, contact Garrison Layne at (512) 239-0849.

Garrison Layne Municipal Permits Team Wastewater Permitting Section (MC 148)

Date

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 25, 2024

Dear Applicant:

Re: Confirmation of Submission of the Renewal without changes for Public Domestic Wastewater Authorization.

This is an acknowledgement that you have successfully completed Renewal without changes for the Public Domestic Wastewater authorization.

ER Account Number: ER103688 Application Reference Number: 658290 Authorization Number: WQ0010409001 Site Name: City of Kress WWTP Regulated Entity: RN101919124 - City of Kress WWTP Customer(s): CN600337877 - City of Kress

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by telephone at (512) 239-4671.

Sincerely, Applications Review and Processing Team Water Quality Division

## Texas Commission on Environmental Quality Update Domestic or Industrial Individual Permit WQ0010409001

## Site Information (Regulated Entity)

What is the name of the site to be authorized?	CITY OF KRESS WWTP
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	LOCATED APPROX 1 MILE SE OF THE INTERX OF STATE HWY 87 & FM 145
City	KRESS
State	тх
ZIP	79052
County	SWISHER
Latitude (N) (##.######)	34.362222
Longitude (W) (-###.######)	-101.741111
Primary SIC Code	4952
Secondary SIC Code	
Primary NAICS Code	221320
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN101919124
What is the name of the Regulated Entity (RE)?	CITY OF KRESS WWTP
Does the RE site have a physical address?	No
Physical Address	
Because there is no physical address, describe how to locate this site:	LOCATED APPROX 1 MILE SE OF THE INTERX OF STATE HWY 87 & FM 145
City	KRESS
State	тх
ZIP	79052
County	SWISHER
Latitude (N) (##.######)	34.362222
Longitude (W) (-###.######)	-101.741111
Facility NAICS Code	
What is the primary business of this entity?	DOMESTIC N D

## City Of-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?

What is the applicant's Customer Number (CN)?	CN600337877
Type of Customer	City Government
Full legal name of the applicant:	
Legal Name	City Of Kress
Texas SOS Filing Number	
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	
DUNS Number	26590349
Number of Employees	
Independently Owned and Operated?	
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	City Of Kress
Prefix	MR
First	Johnny
Middle	
Last	Taylor
Suffix	
Credentials	
Title	Mayor
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 236
Routing (such as Mail Code, Dept., or Attn:)	
City	KRESS
State	ТХ
ZIP	79052
Phone (###-####-#####)	8066842525
Extension	
Alternate Phone (###-#####)	
Fax (###-####-####)	
E-mail	office@cityofkress.com
Billing Contact	

Responsible contact for receiving billing statements:

Select the permittee that is responsible for payment of the annual fee.

CN600337877, City Of Kress

Organization Name	CITY OF KRESS
Prefix	
First	
Middle	
Last	
Suffix	
Credentials	
Title	
Enter new address or copy one from list:	CN600337877, City Of Kress
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 236
Routing (such as Mail Code, Dept., or Attn:)	
City	KRESS
State	ТХ
ZIP	79052
Phone (###-####-####)	8066842525
Extension	
Alternate Phone (###-#####)	
Fax (###-####)	
Fax (###-#####) E-mail	office@cityofkress.com
Fax (###-#####) E-mail	office@cityofkress.com
Fax (###-#####) E-mail Application Contact	office@cityofkress.com
Fax (###-#################################	office@cityofkress.com RSB Environmental
Fax (###-#################################	office@cityofkress.com RSB Environmental Hani
Fax (###-#################################	office@cityofkress.com RSB Environmental Hani
Fax (###-#################################	office@cityofkress.com RSB Environmental Hani Said
Fax (###-#####) E-mail Application Contact Person TCEQ should contact for questions about this application: Same as another contact? Organization Name Prefix First Middle Last Suffix	office@cityofkress.com RSB Environmental Hani Said
Fax (###-#################################	office@cityofkress.com RSB Environmental Hani Said
Fax (###-#################################	office@cityofkress.com
Fax (####################################	office@cityofkress.com RSB Environmental Hani Said Environmental Scientist
Fax (####################################	office@cityofkress.com RSB Environmental Hani Said Environmental Scientist
Fax (###-#####) E-mail Application Contact Person TCEQ should contact for questions about this application: Same as another contact? Organization Name Prefix First Middle Last Suffix Credentials Title Enter new address or copy one from list: Mailing Address Address Type	office@cityofkress.com RSB Environmental Hani Said Environmental Scientist
Fax (###-#####) E-mail Application Contact Person TCEQ should contact for questions about this application: Same as another contact? Organization Name Prefix First Niddle Last Suffix Credentials Title Enter new address or copy one from list: Mailing Address Address Type Mailing Address (include Suite or Bldg. here, if applicable)	office@cityofkress.com RSB Environmental Hani Said Environmental Scientist Domestic 6001 SAVOY DR STE 110
Fax (####################################	office@cityofkress.com RSB Environmental Hani Said Environmental Scientist Domestic 6001 SAVOY DR STE 110

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ZIP	77036
Phone (###-#####)	8323849475
Extension	
Alternate Phone (###-######)	
Fax (###-#####)	
E-mail	hani.said@alliancetg.com
Technical Contact	
Person TCEQ should contact for questions about this application:	
Same as another contact?	Application Contact
Organization Name	RSB Environmental
Prefix	MR
First	Hani
Middle	
Last	Said
Suffix	
Credentials	
Title	Environmental Scientist
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	6001 SAVOY DR STE 110
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	ТХ
ZIP	77036
Phone (###-####)	8323849475
Alternate Phone (###-####-####)	
Fax (###-#####)	
E-mail	hani.said@alliancetg.com
DMR Contact	
Person responsible for submitting Discharge Monitoring Report Forms:	
Same as another contact?	CN600337877, City Of Kress
Organization Name	City Of Kress

4 of 13

Prefix	MR
First	Johnny
Middle	
Last	Taylor
Suffix	
Credentials	
Title	Mayor
Enter new address or copy one from list:	
Mailing Address:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 236
Routing (such as Mail Code, Dept., or Attn:)	
City	KRESS
State	ТХ
ZIP	79052
Phone (###-#####)	8066842525
Extension	
Alternate Phone (###-######)	
Fax (###-#####)	
E-mail	office@cityofkress.com
Section 1# Permit Contact	
Permit Contact#: 1	
Person TCEQ should contact throughout the permit term.	
1) Same as another contact?	CN600337877, City Of Kress
2) Organization Name	City Of Kress
3) Prefix	MR
4) First	Johnny
5) Middle	
6) Last	Taylor
6) Last 7) Suffix	Taylor
<ul><li>6) Last</li><li>7) Suffix</li><li>8) Credentials</li></ul>	Taylor
<ul> <li>6) Last</li> <li>7) Suffix</li> <li>8) Credentials</li> <li>9) Title</li> </ul>	Taylor Mayor
<ul> <li>6) Last</li> <li>7) Suffix</li> <li>8) Credentials</li> <li>9) Title</li> <li>Mailing Address</li> </ul>	Taylor Mayor
<ul> <li>6) Last</li> <li>7) Suffix</li> <li>8) Credentials</li> <li>9) Title</li> <li>Mailing Address</li> <li>10) Enter new address or copy one from list</li> </ul>	Taylor Mayor
<ul> <li>6) Last</li> <li>7) Suffix</li> <li>8) Credentials</li> <li>9) Title</li> <li>Mailing Address</li> <li>10) Enter new address or copy one from list</li> <li>11) Address Type</li> </ul>	Taylor Mayor Domestic
6) Last 7) Suffix 8) Credentials 9) Title Mailing Address 10) Enter new address or copy one from list 11) Address Type 11.1) Mailing Address (include Suite or Bldg. here, if applicable)	Taylor Mayor Domestic PO BOX 236
<ul> <li>6) Last</li> <li>7) Suffix</li> <li>8) Credentials</li> <li>9) Title</li> <li>Mailing Address</li> <li>10) Enter new address or copy one from list</li> <li>11) Address Type</li> <li>11.1) Mailing Address (include Suite or Bldg. here, if applicable)</li> <li>11.2) Routing (such as Mail Code, Dept., or Attn:)</li> </ul>	Taylor Mayor Domestic PO BOX 236

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11.4) State	ТХ
11.5) ZIP	79052
12) Phone (###-######)	8066842525
13) Extension	
14) Alternate Phone (###-####-####)	
15) Fax (###-#####)	
16) E-mail	office@cityofkress.com
Owner Information	
Owner of Treatment Facility	
1) Prefix	
2) First and Last Name	
3) Organization Name	City of Kress
4) Mailing Address	P.O. Box 236
5) City	Kress
6) State	ТХ
7) Zip Code	79052
8) Phone (###-#####)	8066842525
9) Extension	
10) Email	office@cityofkress.com
11) What is ownership of the treatment facility?	Public
Owner of Land (where treatment facility is or will be)	
12) Prefix	
13) First and Last Name	
14) Organization Name	City Of Kress
15) Mailing Address	P.O. Box 236
16) City	Kress
17) State	ТХ
18) Zip Code	79052
19) Phone (###-#####)	8066842525
20) Extension	
21) Email	office@cityofkress.com
22) Is the landowner the same person as the facility owner or co- applicant?	Yes
General Information Renewal-Amendment	
1) Current authorization expiration date:	12/01/2024
2) Current Facility operational status:	Active
3) Is the facility located on or does the treated effluent cross American	No

Indian Land?
4) What is the application type
5) Current Authorization type:

5.1) What is the proposed total flow in MGD discharged at the facility?

type that you are seeking?

5.2) Select the applicable fee

6) What is the classification for your authorization?

6.1) Is the location of the effluent disposal site in the existing permit accurate?

6.2) City nearest the disposal site:

6.3) County in which the disposal site is located:

6.4) Describe the routing of effluent from the treatment facility to the disposal site:

6.5) Identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:

6.6) If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

#### **Owner of Effluent TLAP Disposal Site**

6.7) Prefix	
6.8) First and Last Name	
6.9) Organization Name	City of Kress
6.10) Mailing Address	P.O Box 236
6.11) City	Kress
6.12) State	ТХ
6.13) Zip Code	79052
6.14) Phone (###-#######)	8326842525
6.15) Extension	
6.16) Email	office@cityofkress.com
6.17) Is the landowner the same person as the facility owner or co- applicant?	Yes
7) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	No

## Public Notice Information

>= .10 & < .25 MGD - Renewal - \$815 TLAP Yes Kress

Renewal without changes Public Domestic Wastewater

SWISHER

0.108

The treated effluent is directly discharged from the final oxidation pond directly onto the crop field via surface irrigation

The nearest watercourse to the treated effluent storage ponds and to the irrigation site is 12 miles south of the wastewater treatment facility which is an unnamed tributary which feeds into segment 1240A White River Above White River Reservoir, thence to White River Lake in segment 1240 of the Brazos River Basin.

Not Applicable

Individual Publishing the Notices	
1) Prefix	
2) First and Last Name	Hani Said
3) Credential	
4) Title	Environmental Scientist
5) Organization Name	RSB Environmental
6) Mailing Address	6001 SAVOY DR
7) Address Line 2	Ste. 110
8) City	HOUSTON
9) State	ТХ
10) Zip Code	77036
11) Phone (###-#####)	8323849475
12) Extension	
13) Fax (###-######)	
14) Email	hani.said@alliancetg.com
Contact person to be listed in the Notices	
15) Prefix	MR
16) First and Last Name	Johnny Taylor
17) Credential	
18) Title	Mayor
19) Organization Name	City of Kress
20) Phone (###-####-####)	8326842525
21) Fax (###-#######)	
22) Email	office@cityofkress.com
Bilingual Notice Requirements	
23) Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?	Νο

## Section 1# Public Viewing Information

County#: 1	
1) County	SWISHER
2) Public building name	City of Kress City Hall
3) Location within the building	Main Entrance
4) Physical Address of Building	308 Skipworth Avenue
5) City	Kress
6) Contact Name	
7) Phone (###-####-####)	8066842525
8) Extension	

9) Is the location open to the public?		Yes			
Plain Language					
1) Plain Language					
[File Properties]					
File Name		LANG_Plain Language Summary.docx			
Hash	B4679B3F031003E320A79DB73C	A556225CEB47031BD67E3EA65E024B27D1855B			
MIME-Type		application/vnd.openxmlformats-			
		officedocument.wordprocessingml.document			
Domestic Attachments					
1) Attach an 8.5"x11", reproduced po meets the 1:24,000 scale.	ortion of the most current and origina	al USGS Topographic Quadrangle Map(s) that			
[File Properties]					
File Name		MAP_Attachment C - USGS topographic			
Hash	38639E22A45BE67C3DF471336941703690DD3405E0396ED59F9AAF98FDA508FC				
MIME-Type		application/pdf			
2) I confirm that all required sections complete and will be included in the	of Technical Report 1.0 are Technical Attachment.	Yes			
2.1) Are you planning to include Wor Characteristics) in the Technical Atta	ksheet 2.1 (Stream Physical chment?	No			
2.2) I confirm that Worksheet 3.0 (La complete and included in the Techni	and Disposal of Effluent) is cal Attachment.	Yes			
2.3) Are you planning to include Wor Requirements) in the Technical Attac	ksheet 4.0 (Pollutant Analyses chment?	No			
2.4) Are you planning to include Wor Requirements) in the Technical Attac	ksheet 5.0 (Toxicity Testing chment?	No			
2.5) I confirm that Worksheet 6.0 (In complete and included in the Techni	dustrial Waste Contribution) is cal Attachment.	Yes			
2.6) Are you planning to include Wou Inventory/Authorization Form) in the	ksheet 7.0 (Class V Injection Well Technical Attachment?	Νο			
2.7) Technical Attachment					
[File Properties]					
File Name		TECH_Technical Report 1.0 - City of Kress.pdf			
Hash	552F56A1793CD662556F268A54	7AC39F8B3574FDA5B19C2CBB1690E2390F3738			
MIME-Type		application/pdf			
3) Buffer Zone Map					
[File Properties]					

Hash         9FE261E99A2E1BA7F801B321142833195ED7D35BA35FDF819E309D4344B99866           MIME Type         application/und energymlformate
MIME Type
officedocument.wordprocessingml.document
4) Flow Diagram
[File Properties]
File Name       FLDIA_Attachment B - Process Flow         Diagram.pdf
Hash 74DE38CB3CF035D78E46D12C2D004DB70D1667D767291689043219A6A35F1620
MIME-Type application/pdf
5) Site Drawing
rile Name STEDR_Attachment C - USGS topographic map.pdf
Hash 38639E22A45BE67C3DF471336941703690DD3405E0396ED59F9AAF98FDA508FC
MIME-Type application/pdf
6) Design Calculations
[File Properties]
File Name     DES_CAL_Not Applicable.docx
Hash 9FE261E99A2E1BA7F801B321142833195ED7D35BA35FDF819E309D4344B99866
MIME-Type application/vnd.openxmlformats-
oncedocument.wordprocessingmi.document
7) Solids Management Plan
[File Properties]
File Name SMP_Not Applicable.docx
Hash 9FE261E99A2E1BA7F801B321142833195ED7D35BA35FDF819E309D4344B99866
MIME-Type application/vnd.openxmlformats-
officedocument.wordprocessingml.document
8) Water Balance
[File Properties]
File Name WB Not Applicable.docx
Hash 9FE261E99A2E1BA7F801B321142833195ED7D35BA35FDF819E309D4344B99866
MIME-Type application/vnd.openxmlformats-
officedocument.wordprocessingml.document
9) Other Attachments
[File Properties]
File Name OTHER_Worksheet 6.0 - City of Kress.pdf

Hash	B67E269B1FFC68E15D4E9A73BBB622D57F839032209D7869076C2EFBE2AA7E15
MIME-Type	application/pdf
[File Properties]	
File Name	OTHER_Lab Accreditation Page.pdf
Hash	4FF62BD8E8146B310888B4FC959E4D24108CFE6D86CBE0B6AB4005B8C6E3813D
MIME-Type	application/pdf
[File Properties]	
File Name	OTHER_Signed Signature Page.pdf
Hash	498B0531D79748F2FF3E2925DB04097CD7829665D64CFC951A2FEFE690C7DF37
MIME-Type	application/pdf
[File Properties]	
File Name	OTHER_Attachment H - Soil Analysis.pdf
Hash	285E918FBD084171B00B75139375546479764125AA0DCEC954C36AE2991EBEF4
MIME-Type	application/pdf
[File Properties]	
File Name	OTHER_Attachment E - Well Map.pdf
Hash	C08A00C47D7B0C1AB9AD437EF521BC3E6B5B31B004259FCE8BCF6567B33DA738
MIME-Type	application/pdf
[File Properties]	
File Name	OTHER Attachment F - Groundwater Technichal
	Report.pdf
Hash	1E49511D0FE60836DDD512AF62BB904589BB7204167B4DF55DAC61E6778A2730
MIME-Type	application/pdf
[File Properties]	
File Name	OTHER_Attachment G - Soil Map & Report.pdf
Hash	7206DC2B88945570BD03961E27E8111CA4D50E2D7FAF0B8B9E0D8F83D5ED0202
MIME-Type	application/pdf
[File Properties]	
File Name	OTHER_Attachment D - Annual Cropping Plan
	2024.pdf
Hash	CD9895C8BA7ADD6511D8FD12282007518AA95041507C02264F976D4EF0CE27DE
MIME-Type	application/pdf
[File Properties]	
File Name	OTHER Worksheet 3.0 - City of Kress.pdf
Hash	E941466D7D9A6D541D09703277A8074CBF33B2C6DEE3D42C05076EA2E78354BD

MIME-Type	application/pdf
[File Properties]	
File Name	OTHER_Attachment A - 10400.pdf
Hash	579437A08B442CB78B3286FD70260443B6E06D65E1A5457F0BBB5C162A2D56E6
MIME-Type	application/pdf

## Certification

I certify that I am authorized under 30 Texas Administrative Code 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

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.

- 1. I am Tracy Coleman, the owner of the STEERS account ER103283.
- 2. I have the authority to sign this data on behalf of the applicant named above.
- 3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
- 4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
- 5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
- 6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
- 7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
- 8. I am knowingly and intentionally signing Update Domestic or Industrial Individual Permit WQ0010409001.
- 9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Tracy Coleman OWNER

Customer Number:	CN600337877
Legal Name:	City Of Kress
Account Number:	ER103283
Signature IP Address:	209.51.5.121
Signature Date:	2024-07-25
Signature Hash:	2EB6238B56861BD3B826A287CEA6D66D0A8F8114D750633850A5DE90CB0868B1
Form Hash Code at time of Signature:	ED989F3957F7C787348365621F7820DCF65D75D4D27C684A0A48D87A130AEAD7

## Fee Payment

Transaction by:	The application fee payment transaction was made by ER103283/Tracy Coleman
Paid by:	The application fee was paid by TRACY COLEMAN
Fee Amount:	\$800.00
Paid Date:	The application fee was paid on 2024-07-25
Transaction/Voucher number:	The transaction number is 582EA000618912 and the voucher number is 714490
Submission	
Reference Number:	The application reference number is 658290
Submitted by:	The application was submitted by ER103688/Hani Said
Submitted Timestamp:	The application was submitted on 2024-07-25 at 14:06:43 CDT
Submitted From:	The application was submitted from IP address 66.64.45.243

The confirmation number is 553247

The permit number is WQ0010409001

The STEERS version is 6.79

Confirmation Number:

Steers Version:

Permit Number:

## Additional Information

Application Creator: This account was created by Hani Said

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

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

Permit Number: WQ0010409001

### Applicant: City of Kress

### 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 p	orinted): Click to enter text.	Johnny Taylor
Signatory title: Click to ente	er text.	Mayor
Signature:(Use blue ink)	high Tall	_Date: 7/10/24
Subscribed and Sworn to be on this <i>10<sup>th</sup></i> My commission expires on	efore me by the said day ofJuly the <b>08</b> 46_day ofA	Johny Taylor , 20 24. pr: (, 20 26.
Notary Public Hale County, Texas		[SEAL] DANIEL CABRAL Notary Public, State of Texas Notary ID #13371029-7 Commission Expires 04-18-2026



## **TCEQ Core Data Form**

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

## **SECTION I: General Information**

1. Reason for Submission (If other is checked please describe in space provided.)							
New Permit, Registration or Authorization ( <i>Core Data Form should be submitted with the program application.</i> )							
Renewal (Core Data Form should be submitted with the renewal form)       Other							
2. Customer Reference Number (if issued)	3. Regulated Entity Reference Number (if issued)						
CN 600337877	<u>Central Registry**</u>	RN 10191924					

## **SECTION II: Customer Information**

4. General Cu	4. General Customer Information 5. Effective Date for Customer Information Undates (mm/dd/www)												
New Custor	mer		U []	pdate to Custom	er Informat	tion		🗌 Chan	ige in Regulated Ent	ity Owne	ership		
Change in Le	egal Name	(Verifiabl	e with the Te	as Secretary of S	tate or Tex	as Com	otrolle	r of Public	Accounts)				
The Custome	r Name si	ıhmitter	l here may l	he undated aut	omatical	v hase	dons	what is a	urrent and active	with th	ο Τονας ζοςι	rotar	v of State
(SOS) or Teva	s Comntra	oller of L	Public Accou	nts (CDA)	omatican	y buse	<i>a</i> 0// 1	what is c		with th		ciui	, of state
(303) 01 12,0	s comput	Sher oj r		ints (CFA).									
6. Customer	Legal Nam	<b>1e</b> (If an i	ndividual, pri	nt last name first.	: eg: Doe, J	ohn)			<u>If new Customer, o</u>	enter pre	evious Custom	er be	' <u>ow:</u>
City of Kress													
7. TX SOS/CP	A Filing N	umber		8. TX State Ta	<b>x ID</b> (11 di	gits)			9. Federal Tax II	D	10. DUNS	Num	ber (if
											applicable)		
									(9 digits)		26500240		
									20590349				
11. Type of Customer:         Corporation         Individual         Partnership:         General         Limited							Limited						
Government:       City       County       Federal       Local       State       Other													
12. Number of Employees       13. Independently Owned and Operated?						d?							
⊠ 0-20 □ 21-100 □ 101-250 □ 251-500 □ 501 and higher □ <b>Yes</b> ⊠ <b>No</b>													
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following													
Owner Operator Overator													
Occupational Licensee Responsible Party VCP/BSA Applicant													
15. Mailing													
Address:		1						1				1	
	City	Kress			State	TX		ZIP	79052		ZIP + 4		
16. Country Mailing Information (if outside USA)       17. E-Mail Address (if applicable)													
							offic	e@citvofk	ress.com				
							00						

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
( 806 ) 684-2525		( ) -

## **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 Nam	<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)							
City of Kress Wastewater Treatment Plant								
23. Street Address of	1 mile Southeast of the intersection of state highway 87 and FM road 145							
the Regulated Entity:								
(No PO Boxes)	City	Kress	State	ТХ	ZIP	79052	ZIP + 4	
24. County								

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

25. Description to									
Physical Location:									
26. Nearest City						State		Nea	rest ZIP Code
Kress	ress TX 79052								
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 coordinate	es where no	ne have been prov	ided or to gain a	iccuracy).					
27. Latitude (N) In Decim	7. Latitude (N) In Decimal:     N/A     28. Longitude (W) In Decimal:								
Degrees	Minutes	Se	conds	Degree	es	Minutes			Seconds
29. Primary SIC Code	30. Secondary SIC Code 31. Primary NAICS Code 32. Secondary NAICS Code								CS Code
(4 digits)	(4 d	(4 digits) (5 or 6 digits) (5 or 6 digits)							
4952	221320								
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)									
Wastewater Treatment Plant									
	P.O. Box 236								
34. Mailing	34. Mailing								
Address:						_			1
	City	Kress	State	тх	ZIP	79052		ZIP + 4	
35. E-Mail Address:						·	·		
<b>36. Telephone Number37. Extension or Code38. Fax Number</b> (if applicable)									
( 806 ) 684-2525					(	) -			

Dam Safety	Districts	Edwards Aquifer	Emissions Inventory Air	🔲 Industrial Hazardous Waste
Municipal Solid Waste	New Source		Petroleum Storage Tank	
	Review Air			
Sludge	Storm Water	Title V Air	Tires	Used Oil
Voluntary Cleanup	Wastewater	Wastewater Agriculture	Water Rights	Other:
	WQ0010409001			

## **SECTION IV: Preparer Information**

40. Name:	Hani Said			41. Title:	Environmental Scientist
42. Telephone Number 43. Ext./Code		44. Fax Number	45. E-Mail Address		
( 832 ) 384-9475		( ) -	hani@rsbenv.com		

## **SECTION V: Authorized Signature**

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

Company:	City of Kress	Job Title:	Mayor		
Name (In Print):	Johnny Taylor			Phone:	( 806 ) 684- 2525
Signature:	they m Tall	7		Date:	7/24/2024
					- L

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 <u>Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H</u>. 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 <u>30 TAC Section 39.426</u>, <u>you must provide a translated copy of the completed plain language summary in the</u> <u>appropriate alternative language as part of your application package</u>. For your convenience, a Spanish template has been provided below.

## ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC 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.* 

City of Kress (CN600337877) operates City of Kress Wastewater Treatment Plant (RN101919124), a wastewater treatment facility that serves the resident of the City of Kress. The facility is located at 1 mile southeast of the intersection of Stet Highway 87 and Farm-to Market Road 145, in City of Kress, Swisher County, Texas 79052. This application is for the renewal to dispose a daily average flow not to exceed 108,000 gallons per day of treated domestic wastewater via surface irrigation system of 40 acres of non-public access agricultural land. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain Biochemical Oxygen Demand (5-day). Domestic wastewater is treated by Imhoff tank and three oxidation/storage ponds.

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

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

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

Se espera que las descargas de la instalación contengan 14. Liste todos los contaminantes esperados aquí. 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

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

#### AGUAS RESIDUALES DOMÉSTICAS/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 exige el Capítulo 39 del 30 TAC. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es un documento federal ejecutable. representación de la solicitud de permiso.* 

La ciudad de Kress (CN600337877) opera la planta de tratamiento de aguas residuales de la ciudad de Kress (RN101919124), una instalación de tratamiento de aguas residuales que presta servicios a los residentes de la ciudad de Kress. La instalación está ubicada a 1 milla al sureste de la intersección de Stet Highway 87 y Farm-to Market Road 145, en la ciudad de Kress, condado de Swisher, Texas 79052. Esta solicitud es para la renovación para disponer de un flujo promedio diario que no exceda los 108,000 galones por día de aguas residuales domésticas tratadas a través de un sistema de riego superficial de 40 acres de tierra agrícola de acceso no público. Este permiso no autorizará una descarga de contaminantes al agua del estado.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno (5 días). Las aguas residuales domésticas son tratadas mediante un tanque Imhoff y tres estanques de oxidación/almacenamiento.

## 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 <u>WQ-ARPTeam@tceq.texas.gov</u> 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 (CN60000000) operates the Starr Power Station (RN1000000000), a twounit 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 (CN60000000, 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: USGS Map



Attachment C: USGS Map





USDA

Web Soil Survey National Cooperative Soil Survey

	MAP L	EGEND		MAP INFORMATION		
Area of In	<b>terest (AOI)</b> Area of Interest (AOI)	8	Spoil Area Stony Spot	The soil surveys that comprise your AOI were mapped at 1:20,000.		
Solis ~ Special	Soil Map Unit Polygons Soil Map Unit Lines Soil Map Unit Points Point Features	Ø ♥ ▲ ₩ater Fea	Very Stony Spot Wet Spot Other Special Line Features	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.		
9 2 ★ ◇ ☆ ☆ ☆ ◎ ○ ∻ + ☆ ◎ ◇ ↓ ☆ ◇ ☆	Blowout Borrow Pit Clay Spot Closed Depression Gravel Pit Gravelly Spot Landfill Lava Flow Marsh or swamp Mine or Quarry Miscellaneous Water Perennial Water Perennial Water Rock Outcrop Saline Spot Sandy Spot Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot	Water Fea	streams and Canals ation Rails Interstate Highways US Routes Major Roads Local Roads Aerial Photography	<ul> <li>Please rely on the bar scale on each map sheet for map measurements.</li> <li>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</li> <li>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.</li> <li>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</li> <li>Soil Survey Area: Swisher County, Texas Survey Area Data: Version 21, Sep 5, 2023</li> <li>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</li> <li>Date(s) aerial images were photographed: Jan 31, 2021—Feb 1, 2021</li> <li>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.</li> </ul>		

USDA

# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
LoA	Lofton clay loam, 0 to 1 percent slopes, occasionally ponded	0.4	1.1%
PuA	Pullman clay loam, 0 to 1 percent slopes	33.4	87.3%
PuB	Pullman clay loam, 1 to 3 percent slopes	4.4	11.6%
Totals for Area of Interest		38.2	100.0%

## Swisher County, Texas

### PuA—Pullman clay loam, 0 to 1 percent slopes

#### Map Unit Setting

National map unit symbol: f5ry Elevation: 2,800 to 5,000 feet Mean annual precipitation: 17 to 21 inches Mean annual air temperature: 55 to 63 degrees F Frost-free period: 180 to 220 days Farmland classification: All areas are prime farmland

#### **Map Unit Composition**

Pullman and similar soils: 90 percent Minor components: 10 percent Estimates are based on observations, descriptions, and transects of the mapunit.

#### **Description of Pullman**

#### Setting

Landform: Plains Landform position (three-dimensional): Talf Down-slope shape: Linear Across-slope shape: Linear Parent material: Clayey eolian deposits

#### **Typical profile**

Ap - 0 to 5 inches: clay loam Bt - 5 to 33 inches: silty clay loam Btk1 - 33 to 52 inches: clay loam Btk2 - 52 to 80 inches: clay

#### **Properties and qualities**

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low (0.01 to 0.14 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 3.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: High (about 10.6 inches)

#### Interpretive groups

Land capability classification (irrigated): 3s Land capability classification (nonirrigated): 3s

USDA

*Hydrologic Soil Group:* C *Ecological site:* R077CY022TX - Deep Hardland 16-21" PZ *Hydric soil rating:* No

#### **Minor Components**

#### Pantex

Percent of map unit: 4 percent Landform: Plains Landform position (three-dimensional): Talf Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077CY022TX - Deep Hardland 16-21" PZ Hydric soil rating: No

#### Olton

Percent of map unit: 4 percent Landform: Plains Landform position (three-dimensional): Talf Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077CY022TX - Deep Hardland 16-21" PZ Hydric soil rating: No

#### Estacado

Percent of map unit: 2 percent Landform: Plains Landform position (three-dimensional): Talf Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077CY022TX - Deep Hardland 16-21" PZ Hydric soil rating: No

# Data Source Information

Soil Survey Area: Swisher County, Texas Survey Area Data: Version 21, Sep 5, 2023



## Swisher County, Texas

#### PuB—Pullman clay loam, 1 to 3 percent slopes

#### Map Unit Setting

National map unit symbol: f5rz Elevation: 2,800 to 5,000 feet Mean annual precipitation: 17 to 21 inches Mean annual air temperature: 57 to 63 degrees F Frost-free period: 185 to 220 days Farmland classification: All areas are prime farmland

#### **Map Unit Composition**

*Pullman and similar soils:* 90 percent *Minor components:* 10 percent *Estimates are based on observations, descriptions, and transects of the mapunit.* 

#### **Description of Pullman**

#### Setting

Landform: Playa slopes, plains Landform position (three-dimensional): Dip, talf Down-slope shape: Concave, convex Across-slope shape: Linear Parent material: Clayey eolian deposits

#### **Typical profile**

Ap - 0 to 4 inches: clay loam Bt - 4 to 32 inches: silty clay loam Btk1 - 32 to 51 inches: clay loam Btk2 - 51 to 80 inches: clay

#### **Properties and qualities**

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low (0.01 to 0.14 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 3.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: High (about 10.6 inches)

#### Interpretive groups

Land capability classification (irrigated): 3s Land capability classification (nonirrigated): 3s

USDA

*Hydrologic Soil Group:* C *Ecological site:* R077CY022TX - Deep Hardland 16-21" PZ *Hydric soil rating:* No

#### **Minor Components**

#### Estacado

Percent of map unit: 4 percent Landform: Plains Landform position (three-dimensional): Talf Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077CY022TX - Deep Hardland 16-21" PZ Hydric soil rating: No

#### Olton

Percent of map unit: 4 percent Landform: Plains Landform position (three-dimensional): Talf Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077CY022TX - Deep Hardland 16-21" PZ Hydric soil rating: No

#### Рер

Percent of map unit: 2 percent Landform: Plains, playa slopes Landform position (three-dimensional): Talf, dip Down-slope shape: Convex, concave Across-slope shape: Linear Ecological site: R077CY028TX - Limy Upland 16-21" PZ Hydric soil rating: No

# Data Source Information

Soil Survey Area: Swisher County, Texas Survey Area Data: Version 21, Sep 5, 2023



Groundwater Quality Technical Report City of Kress Wastewater Treatment Plant Worksheet 3.0, Item 4 (d)

In accordance with 30 TAC 309.20(a)(4) (A and B), this report provides an assessment of the impact of the wastewater disposal operation on the uses of local groundwater resources. There is only one groundwater well within 500 ft radius of the irrigation site boundaries (well # 11-43-110) which was reported to have caved in.

The wastewater effluent is used to irrigate adjacent land. The effluent applied to the land has a maximum application rate, as a permit limit, to ensure that the effluent is taken up by the crop root systems. The agronomic application rate ensured that potential contaminants do not migrate below the rooting zone. The best management practice for the wells is meeting the buffer zone distances per 30 TAC §309.13. Applicable buffer zone distance will continue to be maintained. The soil USDA NRCS report and map indicate that the topsoil at the irrigation area is clay loam from 0 to 5 inches, silty clay loam from 5 to 33 inches, clay loam from 33 to 52 inches, and Clay from 52 to 80 inch.

In Summary, the wastewater treatment plant and the effluent irrigation system are not anticipated to negatively impact the use of local groundwater resources.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



# DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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): <u>0.108</u>

2-Hr Peak Flow (MGD): <u>Click to enter text.</u>

Estimated construction start date: <u>Click to enter text.</u>

Estimated waste disposal start date: Click to enter text.

## B. Interim II Phase

Design Flow (MGD): <u>Click to enter text.</u>

2-Hr Peak Flow (MGD): <u>Click to enter text.</u>

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

## C. Final Phase

Design Flow (MGD): <u>Click to enter text.</u> 2-Hr Peak Flow (MGD): <u>Click to enter text.</u> Estimated construction start date: <u>Click to enter text.</u> Estimated waste disposal start date: <u>Click to enter text.</u>

## **D.** Current Operating Phase

Provide the startup date of the facility: <u>01/01/1958</u>

# 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**.

T<u>he plant consists of an Imhoff tank, 3 oxidation storage ponds.</u> Following treatment, effluent is used for irrigation of 40 acres of agricultural farm land.

## **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**.

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Imhoff Tank	1	
Pond #1	1	170 x 100 x 5 (Approx.)
Pond #2	1	260 x 150 x 5 (Approx.)
Pond #3	1	250 x 200 x 5 (Approx.)

## C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction. **Attachment**: <u>B</u>

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

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

- Latitude: <u>Click to enter text.</u>
- Longitude: <u>Click to enter text.</u>

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

- Latitude: <u>34.360799</u>
- Longitude: <u>-101.744517</u>

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: <u>C</u>

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

C<u>ity of Kress</u>

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
City of Kress Wastewater Treatment Plant	City of Kress	Publicly Owned	700
		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**.



## 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.

N/A

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

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**.



## **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.

Click to enter text.

## 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*.

Soil sample report is been attached to this application (Attachment H).

## 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.

N/A

## 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.

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.

N/A

N/A

## 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 <u>N/A</u> or TXRNE <u>N/A</u>

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:

N/A

## 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.

N/A

## 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.

N/A

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.

N/A

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.  $\underline{\rm N/A}$ 

## 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 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.

N/A

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  $BOD_5$  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.

N/A

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.

N/A

# 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.

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD <sub>5</sub> , mg/l	52	-	1	Grab	06/17/24 8:30
Total Suspended Solids, mg/l	395	-	1	Grab	06/17/24 8:30
Ammonia Nitrogen, mg/l	2.21	-	1	Grab	06/17/24 8:30
Nitrate Nitrogen, mg/l	<0.40	-	1	Grab	06/17/24 8:30
Total Kjeldahl Nitrogen, mg/l	33.7	-	1	Grab	06/17/24 8:30
Sulfate, mg/l	63.9	-	1	Grab	06/17/24 8:30
Chloride, mg/l	122	-	1	Grab	06/17/24 8:30
Total Phosphorus, mg/l	2.11	-	1	Grab	06/17/24 8:30
pH, standard units	8.9	-	1	Grab	06/17/24 8:30
Dissolved Oxygen*, mg/l	N/A	N/A	N/A	N/A	N/A
Chlorine Residual, mg/l	0.0	-	1	Grab	06/17/24 8:30
<i>E.coli</i> (CFU/100ml) freshwater	261	-	1	Grab	06/17/24 8:30
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	1150	-	1	Grab	06/17/24 8:30
Electrical Conductivity, µmohs/cm, †	910	-	1	Grab	06/17/24 8:30
Oil & Grease, mg/l	50.3	-	1	Grab	06/17/24 8:30
Alkalinity (CaCO <sub>3</sub> )*, mg/l	N/A	N/A	N/A	N/A	N/A

Table1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

\*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					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Aluminum, mg/l					
Alkalinity (CaCO <sub>3</sub> ), mg/l					

# Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: <u>Michael Gonzalez</u>

Facility Operator's License Classification and Level: <u>Class D</u>

Facility Operator's License Number: <u>WW0053260</u>

# 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

- $\Box$  Design flow>= 1 MGD
- $\Box \quad \text{Serves} \ge 10,000 \text{ people}$
- 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)
- $\Box \quad \text{Long Term Storage (>= 2 years)}$
- □ Methane or Biogas Recovery
- □ Other Treatment Process: <u>Transported to another WWTP</u>

## 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	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.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): <u>Transported to another WWTP</u>

## D. Disposal site

Disposal site name: <u>The wastewater treatment plant has not had sludge hauled off for the past 3</u> years as it is digested as part of the treatment process. The hauler BFI used to haul off any excess sludge to Southwest Landfill, however since BFI was bought out by Republic Services, it is unsure as to which wastewater treatment plant the sludge is hauled off to.

TCEQ permit or registration number: Click to enter text.

County where disposal site is located: <u>Click to enter text.</u>

## E. Transportation method

Method of transportation (truck, train, pipe, other): <u>Truck</u>

Name of the hauler: <u>BFI</u>

Hauler registration number: <u>40074</u>

Sludge is transported as a:

Liquid	
--------	--

semi-liquid 🗆

semi-solid 🗆

solid  $\boxtimes$ 

## 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	Yes	$\boxtimes$	No
Marketing and Distribution of sludge	Yes	$\boxtimes$	No
Sludge Surface Disposal or Sludge Monofill	Yes	$\boxtimes$	No
Temporary storage in sludge lagoons	Yes	$\boxtimes$	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: <u>Click to enter text.</u>
- 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
- $\Box \quad \text{None of the above}$

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

Total Kjeldahl Nitrogen, mg/kg: <u>Click to enter text.</u>

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: <u>Click to enter text.</u>

Phosphorus, mg/kg: <u>Click to enter text.</u>

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

Lead: Click to enter text.

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

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

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

## C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1x10<sup>-7</sup> 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: <u>Click to enter text.</u>
- 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: <u>Click to enter text.</u>

## 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.

# 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:

Irrigation

 $\boxtimes$ 

	Surface application		Subsurface
--	---------------------	--	------------

□ Subsurface soils absorption

application

- Drip irrigation system
  Subsurface area drip dispersal system
- □ Evaporation □ Evapotranspiration beds
- □ Other (describe in detail): <u>Click to enter text.</u>

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

## For existing authorizations, provide Registration Number: <u>WQ0010409001</u>

## 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
Wheat	40	108,000	N
Haygrazer	40	108,000	N

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

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
Pond # 1	0.34	1.51	170 x 100	Clay
Pond # 2	0.77	3.43	260 x 150	Clay
Pond # 3	0.98	4.36	250 x 200	Clay

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

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

## Attachment: <u>N/A</u>

# 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.

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

F<u>EMA Flood Map # 4841012</u>

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

No irrigation will take place during wet weather. A buffer has also been placed around the land application site to prevent runoff from leaving the land application boundaries

## 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**: D

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:  $\underline{E}$ 

- 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.

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
6613	Domestic	Unknown	Unknown	0.26 miles buffer zone
285306	Domestic	No	Cement and Pitless Adapter	0.3 miles buffer zone
11-43-110	Unused	No	Steel Casing	500 foot buffer zone in addition to the use of socks/booms

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
11-42-313	Unused	No	Steel blank pipe and screen casing	0.29 miles buffer zone
16807	Monitor	No	Blank pipe and screen casing	0.2 miles buffer zone
16804	Monitor	No	Blank pipe and screen casing	0.22 miles buffer zone
13388	Monitor	No	Blank pipe and screen casing	0.24 miles buffer zone
13391	Monitor	No	Blank pipe and screen casing	0.22 miles buffer zone
21992	Monitor	No	Blank pipe and screen casing	0.23 miles buffer zone
10907	Monitor	No	Blank pipe and screen casing	0.27 miles buffer zone
16805	Monitor	No	Blank pipe and screen casing	0.29 miles buffer zone
10911	Monitor	No	Blank pipe and screen casing	0.26 miles buffer zone
13396	Monitor	No	Blank pipe and screen casing	0.27 miles buffer zone
18625	Monitor	No	Blank pipe and screen casing	0.29 miles buffer zone
10909	Monitor	No	Blank pipe and screen casing	0.29 miles buffer zone
13386	Monitor	No	Blank pipe and screen casing	0.28 miles buffer zone
13393	Monitor	No	Blank pipe and screen casing	0.31 miles buffer zone
13394	Monitor	No	Blank pipe and screen casing	0.32 miles buffer zone
10913	Monitor	No	Blank pipe and screen casing	0.3 miles buffer zone
11-43-112	Public Supply	No	Steel blank pipe casing	0.32 miles buffer zone
18626	Monitor	No	Blank pipe and screen casing	0.31 miles buffer zone
16810	Monitor	No	Blank pipe and screen casing	0.32 miles buffer zone
16808	Monitor	No	Blank pipe and screen casing	0.37 miles buffer zone
22593	Monitor	No	Blank pipe and screen casing	0.47 miles buffer zone
18628	Monitor	No	Blank pipe and screen casing	0.44 miles buffer zone
18630	Monitor	No	Blank pipe and screen casing	0.46 miles buffer zone
11-43-103	Unknown	Unknown	Unknown	0.36 miles buffer zone

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
11-43-113	Unused	No	Unknown	0.42 miles buffer zone

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

## Attachment: G

# 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: <u>F</u>

Are groundwater monitoring wells available onsite?  $\Box$  Yes  $\boxtimes$  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: <u>N/A</u>

# 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: G

## **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: <u>H</u>

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

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

# 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	рН	Chlorine Residual mg/l	Acres irrigated
06/17/2024	Pending	53	N/A	8.9	N/A	40 Acres
05/21/2024	Pending	23	N/A	8.9	N/A	40 Acres
04/30/2024	Pending	55	N/A	8.9	N/A	40 Acres
03/29/2024	Pending	58	N/A	8.9	N/A	40 Acres
02/22/2024	Pending	40	N/A	8.9	N/A	40 Acres
01/11/2024	Pending	50	N/A	9.0	N/A	40 Acres
12/29/2023	Pending	38	N/A	8.8	N/A	40 Acres
11/29/2023	Pending	46	N/A	8.8	N/A	40 Acres
10/26/2023	Pending	46	N/A	9.0	N/A	40 Acres

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

Click to enter text.

# DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

## Section 1. All POTWs (Instructions Page 89)

## A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs – non-categorical, and Other IUs.

## If there are no users, enter 0 (zero).

Categorical IUs: Number of IUs: <u>o</u> Average Daily Flows, in MGD: <u>o</u> Significant IUs – non-categorical: Number of IUs: <u>o</u>

Average Daily Flows, in MGD: o

Other IUs:

Number of IUs: o

Average Daily Flows, in MGD: o

## B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

🗆 Yes 🖾 No

**If yes**, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

N<u>/A</u>
#### C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

🗆 Yes 🖾 No

**If yes**, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

N <u>/A</u>		

#### D. Pretreatment program

Does your POTW have an approved pretreatment program?

🗆 Yes 🖾 No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

🗆 Yes 🖾 No

If yes, complete Section 2.c. and 2.d. only, and skip Section 3.

**If no to either question above**, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

# Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 90)

#### A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

🗆 Yes 🗵 No

**If yes**, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

N<u>/A</u>

#### **B.** Non-substantial modifications

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

🗆 Yes 🖾 No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

N <u>/A</u>	

#### C. Effluent parameters above the MAL

In Table 6.0(1), list all parameters measured above the MAL in the POTW's effluent monitoring during the last three years. Submit an attachment if necessary.

#### Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

#### D. Industrial user interruptions

Has any SIU, CIU, or other IU caused or contributed to any problems (excluding interferences or pass throughs) at your POTW in the past three years?

🗆 Yes 🖂 No

**If yes**, identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.

N/A

### Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 90)

#### A. General information

Company Name: <u>N/A</u> SIC Code: <u>N/A</u> Contact name: <u>N/A</u> Address: <u>N/A</u> City, State, and Zip Code: <u>N/A</u> Telephone number: <u>N/A</u> Email address: <u>N/A</u>

#### **B.** Process information

Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (i.e., process and non-process wastewater).

N<u>/A</u>

#### C. Product and service information

Provide a description of the principal product(s) or services performed.

N<u>/A</u>

#### D. Flow rate information

See the Instructions for definitions of "process" and "non-process wastewater."

Process Wastewater:

Discharge Type: 🗖 🛛 Continu	uous 🗆	Batch		Intermittent				
Non-Process Wastewater:								
Discharge, in gallons/day: <u>o</u>								
Discharge Type: 🗖 🛛 Continu	uous 🗆	Batch		Intermittent				

#### E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the *i*nstructions?

□ Yes □ No

Is the SIU or CIU subject to categorical pretreatment standards found in *40 CFR Parts 405-471*?

🗆 Yes 🗆 No

**If subject to categorical pretreatment standards**, indicate the applicable category and subcategory for each categorical process.

Category: Subcategories: Click to enter text.

Click or tap here to enter text. Click to enter text.

Category: Click to enter text.

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

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

Subcategories: Click to enter text.

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

Subcategories: Click to enter text.

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

Subcategories: Click to enter text.

#### F. Industrial user interruptions

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

🗆 Yes 🗆 No

**If yes**, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

Click to enter text.



#### ENVIRONMENTAL MONITORING LABORATORY

BIOLOGICAL & CHEMICAL ANALYSIS / UTILITIES MANAGEMENT & OPERATION / WATERWELL DRILLING & SERVICE / GEOLOGICAL INVESTIGATIONS P. O. Box 477 Hillsboro, TX 76645 Office (254) 582-2622 Fax (254) 582-0380 Mobile (254) 582-1614

# City of Kress

WWTP - Analytical Summary Sheet



February 2024

T104704247-23-25

		Irrigation Field: 0" - 6"									
			SUB	CONTRACTED							
Date	Plant Available Phosphorus	Plant Available Potassium	Total Nitrogen	Total Kjeldahl Nitrogen	Nitrate as N	pН	Conductivit				
EPA	Mehlich III - ICP	Mehlich III - ICP				2:1 (v/v w/s)	2:1 (w/v w/s)				
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	S.U.	ds/m - mmhos/cm				
2/27/24	36.4	751	589	570	19.4	7.6	2450				
AVERAGES:											

	Irrigation Field: 6" - 18"										
		SUBCONTRACTED									
Date	Plant Available Phosphorus	Plant Available Potassium	Total Nitrogen	Total Kjeldahl Nitrogen	Nitrate as N	pН	Conductivity				
EPA	Mehlich III - ICP	Mehlich III - ICP				2:1 (v/v w/s)	2:1 (w/v w/s)				
Week Of	mg/kg	mg/kg	mg/kg	mg/kg mg/kg		S.U.	ds/m - mmhos/cm				
2/27/24	46	805	577	555	22.4	7.6	10900				
AVERAGES:											

	Irrigation Field: 18" - 30"										
		SUBCONTRACTED									
Date	Plant Available Phosphorus	Plant Available Potassium	Total Nitrogen	Total Kjeldahl Nitrogen	Nitrate as N	рН	Conductivity				
EPA	Mehlich III - ICP	Mehlich III - ICP				2:1 (v/v w/s)	2:1 (w/v w/s)				
Week Of	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	S.U.	ds/m - mmhos/cm				
2/27/24	39.9	739	725	704	20.9	7.5	<10.0				
AVERAGES:											





T104704247-22-23

ENVIRONMENTAL SCIENTIST

ENVIRONMENTAL SCIENTIST President C.C. "Chuck" Blair, M.S. P.G. – B/B ENVIRONMENTAL MONITORING LABORATORY, L.L.C. BIOLOGICAL & CHEMICAL ANALYSIS / UTILITIES MANAGEMENT & OPERATION / WATERWELL DRILLING & SERVICE / GEOLOGICAL INVESTIGATION

April 3, 2024

City of Kress P.O Box 236 Kress, TX 79052

Re: City of Kress – Irrigation Fields 0"-6", 6"-18", 18"-30" – 870-24999-1

Dear Client:

EML collected samples on 02/27/24 and submitted them for analysis on 03/05/24. The following is the result of the analytical procedures performed on this sample and listed on the following pages that include QA/QC information, chain of custody form, and other lab identification information.

Respectfully Submitted, Environmental Monitoring Laboratory

NSySowa

Lisa Soward B.A Data Manager

Home Office: P. O. BOX 477 Hillsboro, TX 76645 Office: (254) 582-2622 Fax: (254) 582-0380 Email: homeoffice@yourwaterlab.com Panhandle Division: 13260 South US Highway 287 Amarillo, TX 79114 Office: (806) 335-9393 Southwest Division: 811 E Young Street, Llano, TX 78643 Office: (325) 247-3295 East Texas Division: 14295 S.H. 155 North, Winona, TX 75792 Office: (903) 877-9222 Coastal Division: 34 East Avenue, Schulenburg, TX 78956 Office: (979) 743-7010 

**Environment Testing** 

# ANALYTICAL REPORT

# PREPARED FOR

1

5

Attn: Serissa Beck Environmental Monitoring Laboratory, LLC 6145 State Highway 171 PO BOX 477 Hillsboro, Texas 76645 Generated 4/3/2024 8:48:06 PM

# **JOB DESCRIPTION**

City of Kress

## JOB NUMBER

870-24999-1

Eurofins Dallas 9701 Harry Hines Blvd Dallas TX 75220

See page two for job notes and contact information.



# **Eurofins Dallas**

#### **Job Notes**

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

### Authorization

Generated 4/3/2024 8:48:06 PM

1

Authorized for release by Anita Patel, Project Manager <u>Anita Patel@et.eurofinsus.com</u> (832)776-2275

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Job ID: 870-24999-1

Qualifiers		3
Metals		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
General Chen	nistry	-5
Qualifier	Qualifier Description	Provide States
Н	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.	
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	- 61
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

#### Job ID: 870-24999-1

#### Job ID: 870-24999-1

#### **Eurofins Dallas**

Job Narrative 870-24999-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to
  demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the
  method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 3/5/2024 12:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

#### Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **General Chemistry**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample ID: Irrigation Field 0"-6"

Job ID: 870-24999-1

5

#### Lab Sample ID: 870-24999-1

Lab Sample ID: 870-24999-2

Analyte	Result	Qualifier	RL	MDL.	Unit	Dil Fac	D	Method	Prep Type
Phosphorus	36.4		0.396		mg/Kg	1	_	6010C	Total/NA
Potassium	751		4.95		mg/Kg	1		6010C	Total/NA
Nitrogen, Kjeldahl	, 570		408		mg/Kg	50		351.2	Total/NA
Nitrate Nitrite as N	19.4		4.99		mg/Kg	5		353.2	Total/NA
Nitrate as N	19.4	н	1.00		mg/Kg	1		Nitrate by calc	Total/NA
pHi	7.6	HF			S.U.	1		SM 4500 H+ B	Total/NA
Temperature	19.9	HF			Deg. C	1		SM 4500 H+ B	Total/NA
Nitrogen, Total	589	н	0.200		mg/Kg	1		Total Nitrogen	Total/NA
Specific Conductance	2450		10.0		umho/cm @ 25C	1		SM 2510B	Soluble

#### Client Sample ID: Irrigation Field 6"-18"

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Ргер Туре
Phosphorus	45.5		19.9		mg/Kg	50		6010C	Total/NA
Potassium	805		4.98		mg/Kg	1		6010C	Total/NA
Nitrogen, Kjeldahl	555		417		mg/Kg	50		351.2	Total/NA
Nitrate Nitrite as N	22.4		4.97		mg/Kg	5		353.2	Total/NA
Nitrate as N	22.4	н	1.00		mg/Kg	1		Nitrate by calc	Total/NA
рН	7.6	HF			S.U.	1		SM 4500 H+ B	Total/NA
Temperature	20.0	HF			Deg. C	1		SM 4500 H+ B	Total/NA
Nitrogen, Total	577	н	0.200		mg/Kg	1		Total Nitrogen	Total/NA
Specific Conductance	10900		10.0		umho/cm @ 25C	1		SM 2510B	Soluble

#### Client Sample ID: Irrigation Field 18"-30"

#### Lab Sample ID: 870-24999-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Me	thod	Prep Type
Phosphorus	39.9		19.8		mg/Kg	50	60	10C	Total/NA
Potassium	739		4.95		mg/Kg	1	60	10C	Total/NA
Nitrogen, Kjeldahl	704		426		mg/Kg	50	35	1.2	Total/NA
Nitrate Nitrite as N	20.9		4.98		mg/Kg	5	35	3.2	Total/NA
Nitrate as N	20.9	н	1.00		mg/Kg	1	Nit	rate by calc	Total/NA
pН	7.5	HF			S.U.	1	SN	1 4500 H+ B	Total/NA
Temperature	20.0	HF			Deg. C	1	SN	1 4500 H+ B	Total/NA
Nitrogen, Total	725	Н	0,200		mg/Kg	1	To	tal Nitrogen	Total/NA

#### **Client Sample Results**

Client: Environmental Monitoring Laboratory, LLC

5 6

Olivert Comple ID: Interation Field (	0" 6"						Lah Sam	nle ID: 870-2	4999-1
Client Sample ID: Irrigation Field	0-0							pie iD. 070-2	
Date Collected: 02/27/24 10:15								Matri	x: 2011a
Date Received: 03/05/24 12:30									
Method: SW846 6010C - Metals (ICP)	Result	Qualifier	RL	MDĹ	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	36.4		0.396		ma/Ka	_	03/14/24 16:52	03/14/24 17:38	1
Potassium	751		4.95		mg/Kg		03/14/24 16:52	03/14/24 17:38	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl (EPA 351.2)	570		408		mg/Kg		03/14/24 21:11	03/15/24 15:33	50
Nitrate Nitrite as N (EPA 353.2)	19.4		4.99		mg/Kg		03/25/24 10:41	03/25/24 19:38	5
Nitrite as N (EPA 353.2)	<0.998	U	0.998		mg/Kg		03/25/24 10:07	03/25/24 20:28	1
Nitrate as N (SM Nitrate by calc)	19.4	н	1.00		mg/Kg			03/27/24 12:21	1
pH (SM 4500 H+ B)	7.6	HF			s.U.			03/24/24 12:34	1
Temperature (SM 4500 H+ B)	19.9	HF			Deg. C			03/24/24 12:34	1
Nitrogen, Total (EPA Total	589	н	0.200		mg/Kg			03/28/24 14:13	1
Nitrogen)									
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	2450		10.0		umho/cm @ 25C			03/09/24 13:44	1
							Lab Oam		4000 0
Client Sample ID: Irrigation Field	6"-18"						Lap Sam		4999-2
Date Collected: 02/27/24 10:20								Matri	ix: Solid
Date Received: 03/05/24 12:30									
Method: SW846 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	45.5		19.9		mg/Kg	_	03/14/24 16:52	03/14/24 17:46	50
Potassium	805		4.98		mg/Kg		03/14/24 16:52	03/14/24 17:39	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Nitrogen, Kjeldahl (EPA 351.2)	555		417		mg/Kg		03/14/24 21:11	03/15/24 15:33	50
Nitrate Nitrite as N (EPA 353.2)	22,4		4.97		mg/Kg		03/25/24 10:41	03/25/24 19:38	5
Nitrite as N (EPA 353.2)	<0.996	U	0,996		mg/Kg		03/25/24 10:07	03/25/24 20:29	1
Nitrate as N (SM Nitrate by calc)	22.4	н	1.00		mg/Kg			03/27/24 12:21	1
pH (SM 4500 H+ B)	7.6	HF			S.U.			03/24/24 12:34	1
Temperature (SM 4500 H+ B)	20.0	HF			Deg. C			03/24/24 12:34	1
Nitrogen, Total (EPA Total	577	н	0.200		mg/Kg			03/28/24 14:13	1
Nitrogen)									
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	10900		10.0		umho/cm @ 25C			03/09/24 13:44	1
Client Sample ID: Irrigation Field	18"-30	11					Lab Sam	ple ID: 870-2	4999-3
Date Collected: 02/27/24 10:30								Matri	ix: Solid
Date Received: 03/05/24 12:30									
Method: SW846 6010C - Metals (ICP)									
Analyta	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

**Eurofins Dallas** 

03/14/24 17:48

03/14/24 17:41

03/14/24 16:52

03/14/24 16:52

19.8

4.95

39,9

739

Phosphorus

Potassium

mg/Kg

mg/Kg

50

1

٠

Job ID: 870-24999-1

5 6

Client Sample ID: Irrigation Fie Date Collected: 02/27/24 10:30 Date Received: 03/05/24 12:30	eld 18"-30'	7					Lab Sam	ple ID: 870-2 Matri	4999-3 x: Solid
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl (EPA 351.2)	704		426		mg/Kg		03/14/24 21:11	03/15/24 15:33	50
Nitrate Nitrite as N (EPA 353.2)	20.9		4.98		mg/Kg		03/25/24 10:41	03/25/24 19:39	5
Nitrite as N (EPA 353.2)	<0.996	U	0.996		mg/Kg		03/25/24 10:07	03/25/24 20:30	1
Nitrate as N (SM Nitrate by calc)	20.9	н	1.00		mg/Kg			03/27/24 12:21	1
pH (SM 4500 H+ B)	7.5	HE			\$.U.			03/24/24 12:34	1
Temperature (SM 4500 H+ B)	20.0	HF			Deg. C			03/24/24 12:34	1
Nitrogen, Total (EPA Total Nitrogen)	725	Н	0.200		mg/Kg			04/03/24 20:37	1
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	<10.0	U	10.0		umho/cm @ 25C			03/09/24 13:44	1

7 3 9

#### Method: 6010C - Metals (ICP)

Lab Sample ID: MB 860-149814/1-/	λ								Client Sa	ample ID: Method	Blank
Matrix: Solid										Prep Type: To	tal/NA
Analysis Batch: 149896										Prep Batch: 1	49814
		MB	MB								
Analyte	R	esult	Qualifier	RL		MDL	Unit		D Prepared	Analyzed	Dil Fac
Phosphorus	<(	,400	U	0.400			mg/Kg		03/14/24 16:52	03/14/24 17:36	1
Potassium	~	\$.00	U	5.00			mg/Kg		03/14/24 16:52	03/14/24 17:36	1
Lab Sample ID: 870-24999-1 DU									<b>Client Sample</b>	D: Irrigation Field	: 0 <b>"-6</b> "
Matrix: Solid										Prep Type: To	otal/NA
Analysis Batch: 149896										Prep Batch: 1	149814
	Sample	Sam	ple		DŲ	DU					RPD
Analyte	Result	Qua	lifier		Result	Qua	ifier	Unit	D	RPD	Limit
Potassium	751				751.2			mg/Kg		0	20
Lab Sample ID: 870-24999-1 DU									<b>Client Sample</b>	ID: Irrigation Field	d 0"-6"
Matrix: Solid										Prep Type: To	otal/NA
Analysis Batch: 149896										Prep Batch: 1	149814
-	Sample	Sam	ple		DU	DU					RPD
Analyte	Result	Qua	lifier		Result	Qua	llfier	Unit	D	RPD	Limit
Phosphorus	35.6				42.64			mg/Kg		18	25
Potassium	718				636,8			mg/Kg		12	20

#### Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 860-149847/4-A											Client Sa	ample ID:	Method	Blank
Matrix: Solid												Prep	Type: To	otal/NA
Analysis Batch: 150021												Prep	Batch:	149847
	MB	мв												
Analyte	Result	Qualifier		RL		MDL	Unit		D	Pr	repared	Analy	zed	Dil Fac
Nitrogen, Kjeldahl	<0.200	U		0.200			mg/Kg			03/14	4/24 21:11	03/15/24	15:23	1
Lab Sample ID: LCS 860-149847/6-A									CI	ient	Sample	ID: Lab C	ontrol	Sample
Matrix: Solid												Prep	Type: To	otal/NA
Analysis Batch: 150021												Prep	Batch:	149847
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Nitrogen, Kjeldahl			2.00		1.983			mg/Kg		_	99	90 - 110		
								Cli	ient :	Sam	ple ID: L	ab Contr	ol Samp	le Dup
Matrix: Solid												Prep	Type: T	otal/NA
Analysis Batch: 150021												Ргер	Batch:	149847
			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
Nitrogen, Kjeldahl			2.00		1.953			mg/Kg			98	90 - 110	2	20
									CI	ient	Sample	ID: Lab C	ontrol	Sample
												Drop	Type <sup>,</sup> T	ntal/NA
Matrix: Solid												riep	19001	JULUE I V
Matrix: Solid Analysis Batch: 150021												Prep	Batch:	149847
Matrix: Solid Analysis Batch: 150021			Spike		LLCS	LLC	s					Prep Prep %Rec	Batch:	149847
Matrix: Solid Analysis Batch: 150021 Analyte			Spike Added		LLCS Result	LLC Qua	S lifier	Unit		D	%Rec	Prep %Rec Limits	Batch:	149847

Job ID: 870-24999-1

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#### Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 860-151746/1-A											Client S	ample ID: I	Method	d Blank
Matrix: Solid												Prep T	ype: T	otal/NA
Analysis Batch: 151743												Prep E	Batch:	151746
Analysis	MB	MB				MD	11					A u ob u		Dil Fac
	Result	Qualmer	_	KL 1.00		MDL	Unit		<u> </u>	P	repared	Analyz	ed	Dil Fac
	<1.00	0		1.00			mg/r\g			03/2	5/24 10:07	03/25/24 2	20:15	1
Lab Sample ID: LCS 860-151746/2-A									CI	ient	Sample	ID: Lab Co	ontrol	Sample
Matrix: Solid												Prep T	ype: T	otal/NA
Analysis Batch: 151743												Prep B	Batch:	151746
			Spike		LCS	LCS	5					%Rec		
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Nitrite as N			10.0		9,574			mg/Kg		_	96	90 - 110		
Lab Sample ID: LCSD 860-151746/3-A								CI	ient	Sam	npie ID: L	.ab Contro	I Samp	ple Dup
Matrix: Solid												Prep T	ype: T	otal/NA
Analysis Batch: 151743												Prep E	Batch:	151746
			Spike		LCSD	LCS	6D					%Rec		RPD
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
Nitrite as N			10.0		10.10			mg/Kg			101	90 - 110	5	5 20
Method: 353.2 - Nitrogen, Nitrate-I	Vitrite													
Lab Sample ID: MB 860-151753/1-A											Client S	ample ID: I	Metho	d Blank
Matrix: Solid												Prep 1	ype: T	otal/NA
Analysis Batch: 151751												Prep I	Batch:	151753
	MB	MB												
Analyte	Result	Qualifier		RL	-	MDL	Unit		D	P	repared	Analyz	ed	Dil Fac
Nitrate Nitrite as N	<1.00	U		1.00			mg/Kg	J		03/2	5/24 10:41	03/25/24	18:25	1
									-					
Lab Sample ID: LCS 860-151753/2-A									C	lient	Sample	ID: Lab Co	ontrol	Sample
Matrix: Solid												Prep 1	Type: T	otal/NA
Analysis Batch: 151751												Prep I	Batch:	151753
			Spike		LCS	LCS	\$					%Rec		
Analyte			Added		Result	Qua	alifier	Unit		_ <b>D</b>	%Rec	Limits		
Nitrate Nitrite as N			10.0		9.814			mg/Kg			98	90 - 110		
Lab Sample ID: LCSD 860-151753/3-A								CI	ient	San	nole ID: I	ab Contro	l Samı	ole Dup
Matrix: Solid										-		Prep 1	Type: T	otal/NA
Analysis Batch: 151751												Prep	Batch:	151753
			Spike		LCSD	LCS	SD					%Rec		RPD
Analyte			Added		Result	Qua	alifier	Unit		D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N			10.0		9.631			mg/Kg	-	_	96	90 _ 110	2	20
Method: SM 2510B - Conductivity	Speci	ific Cond	ductanc	e										
Lab Sample ID: MR 860-148075/44-4	1			-							Client 9	ample ID:	Metho	d Blank
Matrix: Salid											Sherit G	Drop	Type	Soluble
Mauria Jonu Analysis Ratabi 149005												rrep	Type:	Soluple
Analysis batch: 146995		MD												
	мВ	MB												

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10.0	U	10.0		umho/cm @			03/09/24 13:44	1
					25C				

#### **QC Sample Results**

Client: Environmental Monitoring Laboratory, LLC Project/Site: City of Kress Job ID: 870-24999-1

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#### Method: SM 2510B - Conductivity, Specific Conductance (Continued)

Lab Sample ID: MB 860-148975/47 Matrix: Solid	<b>-</b> A								Client Sa	ample ID: Method Prep Type: \$	l Blank Soluble
Analysis Batch: 148995											
Analyte	Re	MB esult	MB Qualifier	RL		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<	10.0	U	10.0			umho/cm @ 25C	_		03/09/24 15:45	1
Method: SM 4500 H+ B - pH											
Lab Sample ID: 870-24999-1 DU Matrix: Solid Analysis Batch: 151342								Cli	ient Sample	ID: Irrigation Fiel Prep Type: T	d 0"-6" otal/NA
	Sample	Sam	ple		DU	DU					RPD
Analyte	Result	Qua	lifier		Result	Qua	lifier Unit		D	RPD	Limit
pH	7.6	HF			7.6		S.U.			0.8	
Temperature	19.9	HF			19.9		Deg. C			0	

Job ID: 870-24999-1

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#### Metals

#### Prep Batch: 149814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	MEHL Prep	
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	MEHL Prep	
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	MEHL Prep	
MB 860-149814/1-A	Method Blank	Total/NA	Solid	MEHL Prep	
870-24999-1 DU	Irrigation Field 0"-6"	Total/NA	Solid	MEHL Prep	
nalysis Batch: 149896	i -				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	6010C	149814
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	6010C	149814
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	6010C	149814
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	6010C	149814
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	6010C	149814
MB 860-149814/1-A	Method Blank	Total/NA	Solid	6010C	149814
870-24999-1 DU	Irrigation Field 0"-6"	Total/NA	Solid	6010C	149814
870-24999-1 DU	Irrigation Field 0"-6"	Total/NA	Solid	6010C	149814
eneral Chemistry					
each Batch: 148975					
Lab Sample iD	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Soluble	Solid	DI Leach	
870-24999-2	Irrigation Field 6"-18"	Soluble	Solid	DI Leach	
870-24999-3	Irrigation Field 18"-30"	Soluble	Solid	DI Leach	
MB 860-148975/44-A	Method Blank	Soluble	Solid	DI Leach	
MB 860-148975/47-A	Method Blank	Soluble	Solid	DI Leach	
LCS 860-148975/45-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 860-148975/46-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
nalysis Batch: 148995	1				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Soluble	Solid	SM 2510B	148975
870-24999-2	Irrigation Field 6"-18"	Soluble	Solid	SM 2510B	148975
870-24999-3	Irrigation Field 18"-30"	Soluble	Solid	SM 2510B	148975
MB 860-148975/44-A	Method Blank	Soluble	Solid	SM 2510B	148975
MB 860-148975/47-A	Method Blank	Soluble	Solid	SM 2510B	148975
LCS 860-148975/45-A	Lab Control Sample	Soluble	Solid	SM 2510B	148975
LCSD 860-148975/46-A	Lab Control Sample Dup	Soluble	Solid	SM 2510B	148975
each Batch: 149436					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	Dry and Grind	
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	Dry and Grind	
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	Dry and Grind	
rep Batch: 149847					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	351.2	149436
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	351.2	149436
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	351.2	149436
MB 860-149847/4-A	Method Blank	Total/NA	Solid	351.0	

#### **QC Association Summary**

#### **General Chemistry (Continued)**

#### Prep Batch: 149847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-149847/6-A	Lab Control Sample	Total/NA	Solid	351,2	
LCSD 860-149847/7-A	Lab Control Sample Dup	Total/NA	Solid	351.2	
LLCS 860-149847/5-A	Lab Control Sample	Total/NA	Solid	351.2	
Analysis Batch: 150021	I				
Lah Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	351.2	149847
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	351.2	149847
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	351.2	149847
MB 860-149847/4-A	Method Blank	Total/NA	Solid	351.2	149847
LCS 860-149847/6-A	Lab Control Sample	Total/NA	Solid	351.2	149847
LCSD 860-149847/7-A	Lab Control Sample Dup	Total/NA	Solid	351.2	149847
LLCS 860-149847/5-A	Lab Control Sample	Total/NA	Solid	351.2	149847
each Batch: 150487					
I ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	Dry and Grind	
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	Dry and Grind	
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	Dry and Grind	
870-24999-1 DU	Irrigation Field 0"-6"	Total/NA	Solid	Dry and Grind	
– Leach Batch: 151329					
I ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	DI Leach	150487
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	DI Leach	150487
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	DI Leach	150487
870-24999-1 DU	Irrigation Field 0"-6"	Total/NA	Solid	DI Leach	150487
– Analysis Batch: 151342	2				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	SM 4500 H+ B	151329
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	SM 4500 H+ B	151329
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	SM 4500 H+ B	151329
870-24999-1 DU	Irrigation Field 0"-6"	Total/NA	Solid	SM 4500 H+ B	151329
Analysis Batch: 151743	3				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	353.2	151746
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	353.2	151746
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	353.2	151746
MR 860-151746/1-4	Method Blank	Total/NA	Solid	353.2	151746
LCS 860-151746/2-4	Lab Control Sample	Total/NA	Solid	353.2	151746
LCSD 860-151746/3-A	Lab Control Sample Dup	Total/NA	Solid	353.2	151746
Leach Batch: 151744					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	Dry and Grind	
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	Dry and Grind	
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	Dry and Grind	

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#### **General Chemistry**

#### Prep Batch: 151746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	KCI Extract	151744
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	KCI Extract	151744
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	KCI Extract	151744
MB 860-151746/1-A	Method Blank	Total/NA	Solid	KCI Extract	
LCS 860-151746/2-A	Lab Control Sample	Total/NA	Solid	KCI Extract	
LCSD 860-151746/3-A	Lab Control Sample Dup	Total/NA	Solid	KCI Extract	
Analysis Batch: 15175 <sup>4</sup>	l				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	353.2	151753
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	353.2	151753
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	353.2	151753
MB 860-151753/1-A	Method Blank	Total/NA	Solid	353.2	151753
LCS 860-151753/2-A	Lab Control Sample	Total/NA	Solid	353.2	151753
LCSD 860-151753/3-A	Lab Control Sample Dup	Total/NA	Solid	353.2	151753
each Batch: 151752.					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	Dry and Grind	
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	Dry and Grind	
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	Dry and Grind	
Prep Batch: 151753					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	KCI Extract	151752
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	KCI Extract	151752
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	KCI Extract	151752
MB 860-151753/1-A	Method Blank	Total/NA	Solid	KCI Extract	
LCS 860-151753/2-A	Lab Control Sample	Total/NA	Solid	KCI Extract	
LCSD 860-151753/3-A	Lab Control Sample Dup	Total/NA	Solid	KCI Extract	
Analysis Batch: 15187	8				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	Nitrate by calc	
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	Nitrate by calc	
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	Nitrate by calc	
Analysis Batch: 15214	7				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	Total Nitrogen	
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	Total Nitrogen	
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	Total Nitrogen	

#### Client Sample ID: Irrigation Field 0"-6" Date Collected: 02/27/24 10:15 Date Received: 03/05/24 12:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	MEHL Prep			2.02 g	20 mL	149814	03/14/24 16:52	PB	EET HOU
Total/NA	Analysis	6010C		1			149896	03/14/24 17:38	JDM	EET HOU
Total/NA	Leach	Dry and Grind			150 g	150 g	149436	03/12/24 22:19	SA	EET HOU
Total/NA	Prep	351.2			0.49 mL	20 mL	149847	03/14/24 21:11	SA	EET HOU
Total/NA	Analysis	351.2		50			150021	03/15/24 15:33	LD	EET HOU
Total/NA	Leach	Dry and Grind			20 g	20 g	151744	03/24/24 18:56	LD	EET HOU
Total/NA	Prep	KCI Extract			5.01 g	50 mL	151746	03/25/24 10:07	LD	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	151743	03/25/24 20:28	LD	EET HOU
Total/NA	Leach	Dry and Grind			20 g	20 g	151752	03/24/24 10:38	LD	EET HOU
Total/NA	Prep	KCI Extract			5.01 g	50 mL	151753	03/25/24 10:41	LD	EET HOU
Total/NA	Analysis	353.2		5	10 mL	10 mL	151751	03/25/24 19:38	LD	EET HOU
Total/NA	Analysis	Nitrate by calc		1			151878	03/27/24 12:21	SC	EET HOU
Soluble	Leach	DI Leach			30 g	30 mL	148975	03/09/24 10:22	SCI	EET HOU
Soluble	Analysis	SM 2510B		1			148995	03/09/24 13:44	SCI	EET HOU
Total/NA	Leach	Dry and Grind			110 g	70 g	150487	03/19/24 10:19	BW	EET HOU
Total/NA	Leach	DI Leach			20 g	20 mL	151329	03/24/24 11:21	BW	EET HOU
Total/NA	Analysis	SM 4500 H+ B		1			151342	03/24/24 12:34	BW	EET HOU
Total/NA	Analysis	Total Nitrogen		1			152147	03/28/24 14:13	SC	EET HOU

#### Client Sample ID: Irrigation Field 6"-18" Date Collected: 02/27/24 10:20

Date Received: 03/05/24 12:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	MEHL Prep			2.01 g	20 mL	149814	03/14/24 16:52	PB	EET HOU
Total/NA	Analysis	6010C		1			149896	03/14/24 17:39	JDM	EET HOU
Total/NA	Prep	MEHL Prep			2.01 g	20 mL	149814	03/14/24 16:52	PB	EET HOU
Total/NA	Analysis	6010C		50			149896	03/14/24 17:46	JDM	EET HOU
Total/NA	Leach	Dry and Grind			150 g	150 g	149436	03/12/24 22:19	SA	EET HOU
Total/NA	Prep	351.2			0.48 mL	20 mL	149847	03/14/24 21:11	SĄ	EET HOU
Total/NA	Analysis	351.2		50			150021	03/15/24 15:33	LD	EET HOU
Total/NA	Leach	Dry and Grind			20 g	20 g	151744	03/24/24 18:56	LD	EET HOU
Total/NA	Prep	KCI Extract			5.02 g	50 mL	151746	03/25/24 10:07	LD	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	151743	03/25/24 20:29	LD	EET HOU
Total/NA	Leach	Dry and Grind			20 g	20 g	151752	03/24/24 10:38	LD	EET HOU
Total/NA	Prep	KCI Extract			5.03 g	50 mL	151753	03/25/24 10:41	LD	EET HOU
Total/NA	Analysis	353.2		5	10 mL	10 mL	151751	03/25/24 19:38	LD	EET HOU
Total/NA	Analysis	Nitrate by calc		1			151878	03/27/24 12:21	SC	EET HOU
Soluble	Leach	DI Leach			30 g	30 mL	148975	03/09/24 10:22	SCI	EET HOU
Soluble	Analysis	SM 2510B		1			148995	03/09/24 13:44	SCI	EET HOU
Total/NA	Leach	Dry and Grind			110 g	70 g	150487	03/19/24 10:19	BW	EET HOU
Total/NA	Leach	DI Leach			20 g	20 mL	151329	03/24/24 11:21	BW	EET HOU
Total/NA	Analysis	SM 4500 H+ B		1			151342	03/24/24 12:34	BW	EET HOU
Total/NA	Analysis	Total Nitrogen		1			152147	03/28/24 14:13	SC	EET HOU

Job ID: 870-24999-1

#### Lab Sample ID: 870-24999-1 Matrix: Solid

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Lab Sample ID: 870-24999-2 Matrix: Solid

**Eurofins Dallas** 

#### Client Sample ID: Irrigation Field 18"-30"

Date Collected: 02/27/24 10:30

Date Received:	03/05/24 12:30	
	Datab	Datab

	Batch	Batch		Dii	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	MEHL Prep			2.02 g	20 mL	149814	03/14/24 16:52	PB	EET HOU
Total/NA	Analysis	6010C		1			149896	03/14/24 17:41	JDM	EET HOU
Total/NA	Prep	MEHL Prep			2.02 g	20 mL	149814	03/14/24 16:52	PB	EET HOU
Total/NA	Analysis	6010C		50			149896	03/14/24 17:48	JDM	EET HOU
Total/NA	Leach	Dry and Grind			150 g	150 g	149436	03/12/24 22:19	SA	EET HOU
Total/NA	Ргер	351.2			0.47 mL	20 mL	149847	03/14/24 21:11	SA	EET HOU
Total/NA	Analysis	351.2		50			150021	03/15/24 15:33	LD	EET HOU
Total/NA	Leach	Dry and Grind			20 g	20 g	151744	03/24/24 18:56	LD	EET HOU
Total/NA	Prep	KCI Extract			5.02 g	50 mL	151746	03/25/24 10:07	LD	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	151743	03/25/24 20:30	LD	EET HOU
Total/NA	Leach	Dry and Grind			20 g	20 g	151752	03/24/24 10:38	LD	EET HOU
Total/NA	Prep	KCI Extract			5.02 g	50 mL	151753	03/25/24 10:41	LD	EET HOU
Total/NA	Analysis	353.2		5	10 mL	10 mL	151751	03/25/24 19:39	LD	EET HOU
Total/NA	Analysis	Nitrate by calc		1			151878	03/27/24 12:21	SC	EET HOU
Soluble	Leach	DI Leach			30 g	30 mL	148975	03/09/24 10:22	SCI	EET HOU
Soluble	Analysis	SM 2510B		1			148995	03/09/24 13:44	SCI	EET HOU
Total/NA	Leach	Dry and Grind			110 g	70 g	150487	03/19/24 10:19	BW	EET HOU
Total/NA	Leach	DI Leach			20 g	20 mL	151329	03/24/24 11:21	ВŴ	EET HOU
Total/NA	Analysis	SM 4500 H+ B		1			151342	03/24/24 12:34	BW	EET HOU
Total/NA	Analysis	Total Nitrogen		1			152147	04/03/24 20:37	sc	EET HOU

#### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Job ID: 870-24999-1

#### Lab Sample ID: 870-24999-3

Matrix: Solid

9

**Eurofins Dallas** 

#### **Accreditation/Certification Summary**

Client: Environmental Monitoring Laboratory, LLC Project/Site: City of Kress

8 9 10

#### Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
Texas	NELA	P	T104704215	06-30-24
The following analytes	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority, This lis	t may include analytes
for which the agency of	Prep Method	Matrix	Analyte	
351.2	351.2	Solid	Nitrogen, Kjeldahl	
Nitrate by calc		Solid	Nitrate as N	
SM 4500 H+ B		Solid	pН	
SM 4500 H+ B		Solid	Temperature	
T I I NY		Colid	Nitrogen Total	

Job ID: 870-24999-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET HOU
353,2	Nitrogen, Nitrite	EPA	EET HOU
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET HOU
SM 2510B	Conductivity, Specific Conductance	SM	EET HOU
SM 4500 H+ B	pН	SM	EET HOU
Total Nitrogen	Nitrogen, Total	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
DI Leach	Deionized Water Leaching Procedure	ASTM	EET HOU
Dry and Grind	Preparation, Dry and Grind	None	EET HOU
KCI Extract	Potassium chloride Extraction	EPA	EET HOU
KCL Extraction	Potassium chloride Extraction - Auto Complete	EPA	EET HOU
MEHL Prep	Preparation, MEHL	None	EET HOU

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

#### **Sample Summary**

Client: Environmental Monitoring Laboratory, LLC Project/Site: City of Kress

Job ID: 870-24999-1

5

12

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-24999-1	Irrigation Field 0"-6"	Solid	02/27/24 10:15	03/05/24 12:30
870-24999-2	Irrigation Field 6"-18"	Solid	02/27/24 10:20	03/05/24 12:30
870-24999-3	Irrigation Field 18"-30"	Solid	02/27/24 10:30	03/05/24 12:30

13

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Environment Testing Xenco

Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (422) 704-5440, San Antonio, TX (210) 509-3334

Midliand, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carisbad, NM (575) 988-3199

Work Order No:

						Hobbs,	NM (571	5) 392-75	50, Carlst	oad, NM (	675) 988-31(	*			NWW.XBL	Ico.com	Page	of	
Project Manager:	SERISSA BI	ECK			Bill to: (if (	different)									Wor	k Order Co	omments		
Company Name:	Environmen	tal Monitol	ring Laborato	2	Company	Name:							Program	I: UST/PST	□ ₽	Brownfield	s	Derfund	
Address:	PO BOX 47	7			Address:								State of	Project:					l
City. State ZIP:	HILLSBORC	) TX 7664	2		City, State	s ZIP:							Reportin	g: Level II	]evel III		r 🗍 TRRP	Devel IV	
Phone:	254-582-262	52		Émail:	HOMEO	FFICE	ayour	<b>WATE</b>	RLAB.(	MOC			Delivera	oles: EDD		ADaPT [	Other:		
Project Name:		Zity of Kres	52	Tum	Around	-	-				ANA	TYSIS I	REQUEST				Preser	vative Codes	
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Samples Received Ir	itact: Ye	on se	Thermomet	ar ID:	Fre	203	us ne	vin	L 'ua	em) ;						Na	HSO4: NABIS	~	
Cooler Custody Seal	s: Yes	No N/A	Correction F	actor:	5.1		d	-H-M	601	ъ, к					-	Na	2S2O3: NaSO	5	
Sample Custody Sea	ils: Yes	No N/A	Temperature	s Reading:	14				lin-4	eldi						rz Z	Acetate+Na(	NH: Zn	
Total Containers:			Corrected T	emperature:	15 ck	Т		(A/A	ded	eliev					-	Na	OH+Ascorbic	c Acid: SAPC	
Sample Iden	itification	Matrix	Campled	Time Sampled	Depth	Grab/ Comp	# of	r:S) Hq	in 'nui	A taslq				.,-			Sampl	e Comments	
Irrigation Fi	eld 0"-6"	S	HALIT	1015	0	Grab	-	×	×	×		×				Sa	imple made	up of 10 corr	posite
Irrigation Fie	ald 6"-18"	S	2/27/24	1020	6"-18"	Grab	-	×	×	×		×				Sa	mples for ea	ach depth. Ple	ase
Irrigation Fle	ld 18"-30"	S	2/27/24	1030	18"-30"	Grab	-	×	×	×		×				le	oort on a dr	/ weight basis	as
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Circle Method(s) at	nd Metal(s) to	o be analy	zed	TCLP / S	3PLP 601	10: BRC	RA S	b As E	a Be	Cd Cr	Co Cu P	n n d	to Ni Se A	υпе	Т	lg: 1631 / 2	45.1/7470	17471	
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Revised Date: 08/25/2020 Rev. 2020.2

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# 🐝 eurofins

Environment Testing Xenco

# Houston, TX (281) 240-4200, Dailas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 609-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1298 **Chain of Custody**

Work Order No:

						Hobbs, I	4M (575)	392-7550	, Carisba	d, NM (57	5) 988-31	88			C.WWW	enco.con	Page_	of	
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City. State ZIP:	HILLSBORO 1	TX 76645			City, State	ZIP:							Repc	rting: Level			NUST LJRRP		כ
Phone:	254-582-2622			Email:	HOMEOI	FFICE@	YOUR	WATER	LAB.C(	MO				erables: ED		ADaP	ч С Ф	12	
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Eurofins Dallas		,								2	<b>#</b>					
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Company: Eurofins Environment Testing South Centr					Accreditatio NELAP	ns Raqui Texas	red (See	note):			ł			1ob #: 870-24999-1		
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Email:	₩0¢;				N.301	ntin ta			meT b	onoð :			Steeler.	I Ice		/ Acetone / MCAA
Project Name: City, of Krees	Project # 87000101				10 (0) 10 (1) 9 (T9)	k jelda			off an AC	pecific			2000/2019	EDA L EDA	> ,- N	v pri 4-s Trizma other (specify)
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Sample roenuncation - Client (J (Lab (J))	aunoie Date	X	Briaserya	tion Code.	X	C 22.5	с с —	N	S A	2				- opeci		Incdons/Note:
Irrigation Field 0' -6' (870-24999-1)	2/27/24	10:15 Central		Solid	×	×	××	×	××	×	-			1.914		
Irrigation Field 6' 18' (870-24999-2)	2/27/24	10:20 Central		Solid	×	×	××	×	×	×	-			2011 2011		
Irrigation Field 18' -30" (870-24999-3)	2/27/24	10:30 Central		Solid	×	×	××	×	×	×	-		HERTOP.	1 Temp	2	CIRID HOU-36
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Note: Since laboratory accreditations are subject to change, Eurofins Envirorm laboratory does not currently maintain accreditation in the State of Origin isteed accreditation stalus should be brought to Eurofins Environment Testing South of	nent Testing South Cent above for analysis/tests Central, LLC attention in	rai, LLC place Ametrix being Amediately If	s the ownershi analyzed, the r ali requested s	p of method, ar samples must t accreditations a	alyte & sccr e shipped by fe current to	editation Ack to the date, ret	complian Eurofins um the si	ce upon Envirar gned Cr	our sub ment Te ain of C	ontract sting So istedy a	aboratorie uth Centra ttesting to	s. This s LLLC lab said com	ample shif oratory or bliance to	ament is forwarded other instructions v Eurofins Environme	under ch vill be pr ent Testi	tain-of-custody. If the ovided, Any changes to ng South Central, LLC.
Possible Hazard Identification Linnontinued	8				Samo Samo	la Disp Return	to Clie	A fee n	ay be	asses	sed if sa	mples	an eta C	ined longer tha	e la	onth) Mothe
Deliverable Requested I, II, III, IV Other (specify)	Primary Delivera	ble Rank: 2	~		Specia	al Instru	ctions/(	DC Re	Julrem	inter .	1		č	INA LOI		NO1012
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13

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#### Login Sample Receipt Checklist

Client: Environmental Monitoring Laboratory, LLC

#### Login Number: 24999 List Number: 1 Creator: Sharp, Michael

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Job Number: 870-24999-1

List Source: Eurofins Dallas

#### Login Sample Receipt Checklist

Client: Environmental Monitoring Laboratory, LLC

Login Number: 24999 List Number: 2			List Source: Eurofins Houston List Creation: 03/06/24 09:36 AM
Creator: Baker, Jeremlah			
Question	Answer	Comment	
The cooler's custody seal, if present, is intact.	True		
Sample custody seals, if present, are intact.	True		

The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	False
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	True
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time (excluding tests with immediate HTs)	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	True
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True

Job Number: 870-24999-1

# Annual Cropping Plan 2024

The soil map depicts 1 irrigation tract consisting of approximately 40 acres of nonpublic access agricultural land. The fields will be overseeded with Winter Wheat during the winter season (September to May) to ensure year-round uptake of water and nutrients. The Summer Cotton and Summer Hay Grazer will grow from June to November (Summer Cotton) and June to September (Summer Haygrazer) in Swisher County. The Winter Wheat, considered to be moderately salt tolerant, will maintain a height of approximately 10 - 24 inches and will be swathered once to produce approximately 2 bales per acre.

As for the Haygrazer, which is moderately salt tolerant, will maintain a height of approximately 10 - 60 inches and will be swathered once to produce approximately 3 bales per acre.

The Summer Cotton crops, considered as moderately salt tolerant, will be harvested once via stripper harvest to produce approximately 650 pounds.

No additional fertilizer or crop nutrients are used for the growth of the crop.

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

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

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

#### CERTIFICATION:

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

Printed Name: Serissa Beck, EML

Title: General Manager

Signature: Date: 6

This attachment is not applicable for this wastewater renewal application.

This attachment is not applicable for this wastewater renewal application.
This attachment is not applicable for this wastewater renewal application.

This attachment is not applicable for this wastewater renewal application.

### **Candice Calhoun**

From:	Hani Said <hani.said@alliancetg.com></hani.said@alliancetg.com>
Sent:	Friday, August 2, 2024 10:10 AM
То:	Candice Calhoun
Cc:	City Of Kress
Subject:	Re: Application to Renew Permit No. WQ0010409001; City of Kress
Attachments:	wq0010409001-nod1.pdf
Follow Up Flag:	Follow up
Flag Status:	Completed

Good morning Ms. Calhoun,

I hope you are doing well.

Kindly find below the response to your Notice of Deficiency (NOD)

- 1. Billing contact: Mr. Johnny Taylor, Mayor
- 2. In the snip below, I have highlighted the points that need to be altered:
  - a. .... a daily average flow of 108,000 gallons per day via <u>non-public access irrigation system with a</u> <u>minimum area of 40 acres.</u>
    - b. .... Kress City Office, main entrance, 308 Skipworth Avenue, Kress, Swisher County, Texas...

APPLICATION. City of Kress, P.O. Box 236, Kress, Texas 79052, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0010409001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 108,000 gallons per day via: enter disposal method and acreage. The domestic wastewater treatment facility and disposal area are located approximately 1 mile Southeast of the intersection of Farm-to-Market Road 145 and State Highway 87, near the city of Kress, in Swisher County, Texas 79052. TCEQ received this application on July 25, 2024. The permit application will be available for viewing and copying at Kress City Office, main entrance, 308 Skipworth Street, Kress, in Swisher 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=-101.741111.34.362222&level=18

Further information may also be obtained from City of Kress at the address stated above or

by calling Mr. Johnny Taylor, Mayor, at 832-684-2525.

Your help is greatly appreciated.

\*\*PLEASE NOTE: MY EMAIL HAS RECENTLY CHANGED TO HANI.SAID@ALLIANCETG.COM\*\*\*

Thank you, **Hani Said** Environmental Scientist



From:	Hani Said
То:	Garrison Layne
Subject:	Re: Notice of deficiency for the draft permit WQ0010409001
Date:	Thursday, April 10, 2025 2:21:19 PM
Attachments:	Outlook-35shuttx.jpg

Good afternoon Mr. Layne,

Apologies for the delayed response.

Kindly find below the 30 day average flow rate for the months of October 2023 through June 2024:

October 2023 - 21,067 GPD or 0.021 MGD November 2023 - 41410 GPD or 0.041 MGD December 2023 - 56103.23 GPD 0.056 MGD January 2024 - 40529.03 GPD or 0.040 MGD February 2024 - 39122.22 GPD 0.039 MGD March 2024 - 50435.48 GPD or 0.050 MGD April 2024 - 40176 GPD or 0.040 MGD May 2024 - 38061 GPD or 0.038 MGD June 2024 - 37566.67 GPD or 0.037 MGD

Please let me know if anything else is needed

Thank you, Hani Said Environmental Scientist II

?

Corporate Office: 6001 Savoy Dr., Ste. 110 Houston, Texas 77036 Office: 832.384.9475 Cell: 832.374.6758

From: Garrison Layne <Garrison.Layne@tceq.texas.gov>
Sent: Monday, March 24, 2025 4:15 PM
To: Hani Said <hani.said@alliancetg.com>
Subject: Notice of deficiency for the draft permit WQ0010409001

This is the first time you received an email from this sender (Garrison.Layne@tceq.texas.gov). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Dear Mr. Said,

After reviewing the draft permit application for the draft permit WQ0010409001 the flow data appears to be missing in the application even though the other effluent parameters have been tested for. Could you please send me the flow effluent monitoring data that should be included in Worksheet 3.0 Section 9 of the permit application for the time frame of October 2023 through June 2024.

Thank you, Garrison Layne The TCEQ is committed to accessibility.

To request a more accessible version of this report, please contact the TCEQ Help Desk at (512) 239-4357.



## **Compliance History Report**

Compliance History Report for CN600337877, RN101919124, Rating Year 2023 which includes Compliance History (CH) components from September 1, 2018, through August 31, 2023.

Customer, or Owner/(	Respondent, Dperator:	CN600337877, City Of Kress	Classification: HIGH	<b>Rating:</b> 0.00
Regulated I	Entity:	RN101919124, CITY OF KRESS WWTP	Classification: HIGH	<b>Rating:</b> 0.00
Complexity	Points:	6	Repeat Violator: NO	
CH Group:		08 - Sewage Treatment Facilities		
Location:		LOCATED APPROX 1 MILE SE OF THE IN COUNTY	TERX OF STATE HWY 87 & FM 14	5 SWISHER, TX, SWISHER
TCEQ Regio	on:	REGION 01 - AMARILLO		
ID Number WASTEWATI	(s): ER PERMIT WQO	010409001		
Compliance	History Peri	iod: September 01, 2018 to August 31,	2023 Rating Year: 2023	Rating Date: 09/01/2023
Date Comp	liance Histor	y Report Prepared: August 12, 202		
Agency Dec	cision Requir	ing Compliance History: Permit - suspension	Issuance, renewal, amendment, r on, or revocation of a permit.	nodification, denial,
Component	Period Seleo	cted: July 25, 2019 to August 12, 2024	4	
TCEQ Staff	Member to C	ontact for Additional Information	Regarding This Complianc	e History.
Name:	PT		<b>Phone:</b> (512) 239-	3581
<ol> <li>Has the site</li> <li>Has there t</li> </ol>	e been in existen been a (known) <b>hts (Multime</b>	nce and/or operation for the full five year change in ownership/operator of the site o edia) for the Site Are Listed in	compliance period? during the compliance period? <b>Sections A - J</b>	YES NO
A. Final Or N/A	ders, court j	udgments, and consent decrees:		
<b>B. Crimina</b> N/A	l convictions	:		
C. Chronic	excessive er	missions events:		
D. The app N/A	oroval dates o	of investigations (CCEDS Inv. Trac	ck. No.):	
E. Written A notice of a regulate N/A	notices of vi of violation repre- ed entity. A not	olations (NOV) (CCEDS Inv. Track esents a written allegation of a violation of ice of violation is not a final enforcement a	k. No.): f a specific regulatory requiremen action, nor proof that a violation l	t from the commission to nas actually occurred.
F. Environ	mental audit	S:		

- 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.

City of Kress, P.O. Box 236, Kress, Texas 79052, has applied to the TCEQ to renew Texas Land Application Permit No. WQ0010409001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 108,000 gallons per day via surface irrigation of 40 acres of non-public access agricultural land. The domestic wastewater treatment facility and disposal area are located approximately 1 mile Southeast of the intersection of Farm-to-Market Road 145 and State Highway 87, near the city of Kress, in Swisher County, Texas 79052. TCEQ received this application on July 25, 2024. The permit application will be available for viewing and copying at Kress City Office, 308 Skipworth Avenue, Kress, in Swisher County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage: <u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications</u>.

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. <u>https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.741111,34.362222&level=18</u>

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

Subject:	Geology Compliance Review of Groundwater-Related Special Provisions, City of Kress WWTF, Renewal, Permit WQ0010409-001, Swisher County
Date:	August 12, 2024
From:	Andrew Gorton, P.G., Geologist, Water Quality Assessment Team
То:	Deba Dutta, P.E., Team Leader, Municipal Permits Team

Based upon review of the existing permit language and an evaluation of the permit application, the WQA Team reviewing geologist recommends the following to the renewed permit:

*Regarding wastewater pond liners, include the following as new Requirements immediately following Special Provision 13:* 

- 1. 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. 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 Amarillo Regional Office (MC-Region 1), 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) since the facility is located on the recharge zone of an aquifer.
- 2. The existing oxidation/holding/storage ponds shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.
- 3. 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 oxidation pond 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.
- 4. 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.

## **TCEQ Interoffice Memorandum**

To:	Deba Dutta, Team Leader
	Municipal Permits Team
From:	Alan Barraza, Agronomist
	Water Quality Assessment Team
Date:	August 12, 2024
Subject:	Agronomy Recommendations, City of Kress, City of Kress Treatment Facility,
0	Renewal, Permit WQ0010409001, Swisher 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 10 to the following:

The permittee shall obtain representative soil samples from the root zones of the land application area. Composite sampling techniques shall be used. Each composite sample shall represent no more than 40 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.

Parameter	Method	Minimum Analytical Level (MAL)	Reporting units
рН	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)

Samples shall be analyzed annually according to the following table:

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</i> <i>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 1) and the Compliance Monitoring Team (MC 224) of the Enforcement Division, 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.

2. Add the following Special Provision:

The physical condition of the spray irrigation fields will be monitored on a weekly basis when the fields are being utilized for the purpose of wastewater irrigation. Any areas with problems such as surface runoff, surficial erosion, stressed or damaged vegetation will be recorded in the field log kept onsite and corrective measures will be initiated within 24 hours of discovery.

3. Add the following Special Provision:

The permittee shall use cultural practices to promote and maintain the health and propagation of the wheat, haygrazer, cotton, and grain sorghum crops and avoid plant lodging. The permittee shall harvest the crops (cut and remove it from the field) at least twice time during the year. Harvesting and mowing dates shall be recorded in a log book kept on site to be made available to TCEQ personnel upon request.