Administrative Package Cover Page

This file contains the following documents:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS 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: 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

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

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

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

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

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

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

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

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

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

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

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105,

P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from 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

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	TX
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	TX
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?	Owner

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	TX
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	TX
ZIP	79052
Phone (###-###-####)	8066842525
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	office@cityofkress.com

Application Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	RSB Environmental
Prefix	
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	TX
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	TX
ZIP	77036
Phone (###-###-####)	8323849475
Extension	
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

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	TX
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
7) Suffix	
8) Credentials	
9) Title	Mayor
Mailing Address	
10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 236
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	KRESS

11.4) State	TX
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	TX
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	TX
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 that you are seeking?	Renewal without changes
5) Current Authorization type:	Public Domestic Wastewater
5.1) What is the proposed total flow in MGD discharged at the facility?	0.108
5.2) Select the applicable fee	>= .10 & < .25 MGD - Renewal - $815
6) What is the classification for your authorization?	TLAP
6.1) Is the location of the effluent disposal site in the existing permit accurate?	Yes
6.2) City nearest the disposal site:	Kress
6.3) County in which the disposal site is located:	SWISHER
6.4) Describe the routing of effluent from the treatment facility to the disposal site:	The treated effluent is directly discharged from the final oxidation pond directly onto the crop field via surface irrigation
6.5) Identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:	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.
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?	Not Applicable
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	TX
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

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	TX
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?	No

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	B4679B3F031003E320A79DB73CA556225CEB47031BD67E3EA65E024B27D1855B
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

Domestic Attachments

1) Attach an 8.5"x11", reproduced portion of the most current and original USGS Topographic Quadrangle Map(s) that meets the 1:24,000 scale.

[File Properties]

File Name	MAP_Attachment C - USGS topographic map.pdf
Hash	38639E22A45BE67C3DF4713369417036 90DD3405E0396ED59F9AAF98FDA508FC
MIME-Type	application/pdf

2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
2.1) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?	No
2.2) I confirm that Worksheet 3.0 (Land Disposal of Effluent) is complete and included in the Technical Attachment.	Yes
2.3) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?	No
2.4) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?	No
2.5) I confirm that Worksheet 6.0 (Industrial Waste Contribution) is complete and included in the Technical Attachment.	Yes
2.6) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment?	No

2.7) Technical Attachment

[File Properties]

File Name	TECH_Technical Report 1.0 - City of Kress.pdf
Hash	552F56A1793CD662556F268A547AC39F8B3574FDA5B19C2CBB1690E2390F3738
MIME-Type	application/pdf

3) Buffer Zone Map

[File Properties]

File Name	BUFF_ZM_Not Applicable.docx
Hash	9FE261E99A2E1BA7F801B3211428331 95ED7D35BA35FDF819E309D4344B99866
MIME-Type	application/vnd.openxmlformats-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

[File Properties]

File Name	SITEDR_Attachment C - USGS topographic map.pdf
Hash	38639E22A45BE67C3DF4713369417036 90DD3405E0396ED59F9AAF98FDA508FC
MIME-Type	application/pdf

6) Design Calculations

[File Properties]

File Name	DES_CAL_Not Applicable.docx
Hash	9FE261E99A2E1BA7F801B3211428331 95ED7D35BA35FDF819E309D4344B99866
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

7) Solids Management Plan

[File Properties]

File Name	SMP_Not Applicable.docx
Hash	9FE261E99A2E1BA7F801B3211428331 95ED7D35BA35FDF819E309D4344B99866
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

8) Water Balance

[File Properties]

File Name	WB_Not Applicable.docx
Hash	9FE261E99A2E1BA7F801B3211428331 95ED7D35BA35FDF819E309D4344B99866
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	285E918FBD084171B00B7513937554647976412 5AA0DCEC954C36AE2991EBEF4
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
Confirmation Number:	The confirmation number is 553247
Steers Version:	The STEERS version is 6.79
Permit Number:	The permit number is WQ0010409001

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 printed): Click to enter text. Johnny Taylor

Signatory title: Click to enter text. Mayor

Signature: _____ Date: 7/10/24

(Use blue ink)

Subscribed and Sworn to before me by the said Johnny Taylor

on this 10th day of July, 20 24.

My commission expires on the 08th day of April, 20 26.

_____

Notary Public

[SEAL]

Hale

County, Texas

DANIEL CABRAL
Notary Public, State of Texas
Notary ID #13371029-7
My Commission Expires 04-18-2026

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600337877		**RN 10191924**

SECTION II: Customer Information

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

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

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

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

City of Kress

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
			26590349

11. Type of Customer:

☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☒ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees

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

13. Independently Owned and Operated?

☐ **Yes** ☒ **No**

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

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

15. Mailing Address:

P.O. Box 236

City	Kress	**State**	TX	**ZIP**	79052	**ZIP + 4**	

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

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

City of Kress Wastewater Treatment Plant

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	1 mile Southeast of the intersection of state highway 87 and FM road 145							
	City	Kress	**State**	TX	**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**	**Nearest ZIP Code**	
Kress			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 coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	N/A		**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
4952		221320	

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

Wastewater Treatment Plant

34. Mailing Address:	**P.O. Box 236**							
	City	**Kress**	**State**	**TX**	**ZIP**	**79052**	**ZIP + 4**	
35. E-Mail Address:								

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(806) 684-2525		( ) -

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	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:	Johnny Taylor		Date:	7/24/2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

1. Introduzca el nombre del solicitante aquí (2. Introduzca el número de cliente aquí (es decir, CN6########).) 3. Elija del menú desplegable 4. Introduzca el nombre de la instalación aquí 5. Introduzca el número de entidad regulada aquí (es decir, RN1########), 6. Elija del menú desplegable 7. Introduzca la descripción de la instalación aquí. La instalación 8. Elija del menú desplegable. ubicada en 9. Introduzca la ubicación aquí, en 10. Introduzca el nombre de la ciudad aquí, Condado de 11. Introduzca el nombre del condado aquí, Texas 12. Introduzca el código postal aquí. 13. Introduzca el resumen de la petición de solicitud aquí. *<<Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:>>* Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan 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 WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

Example

Individual Industrial Wastewater Application

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

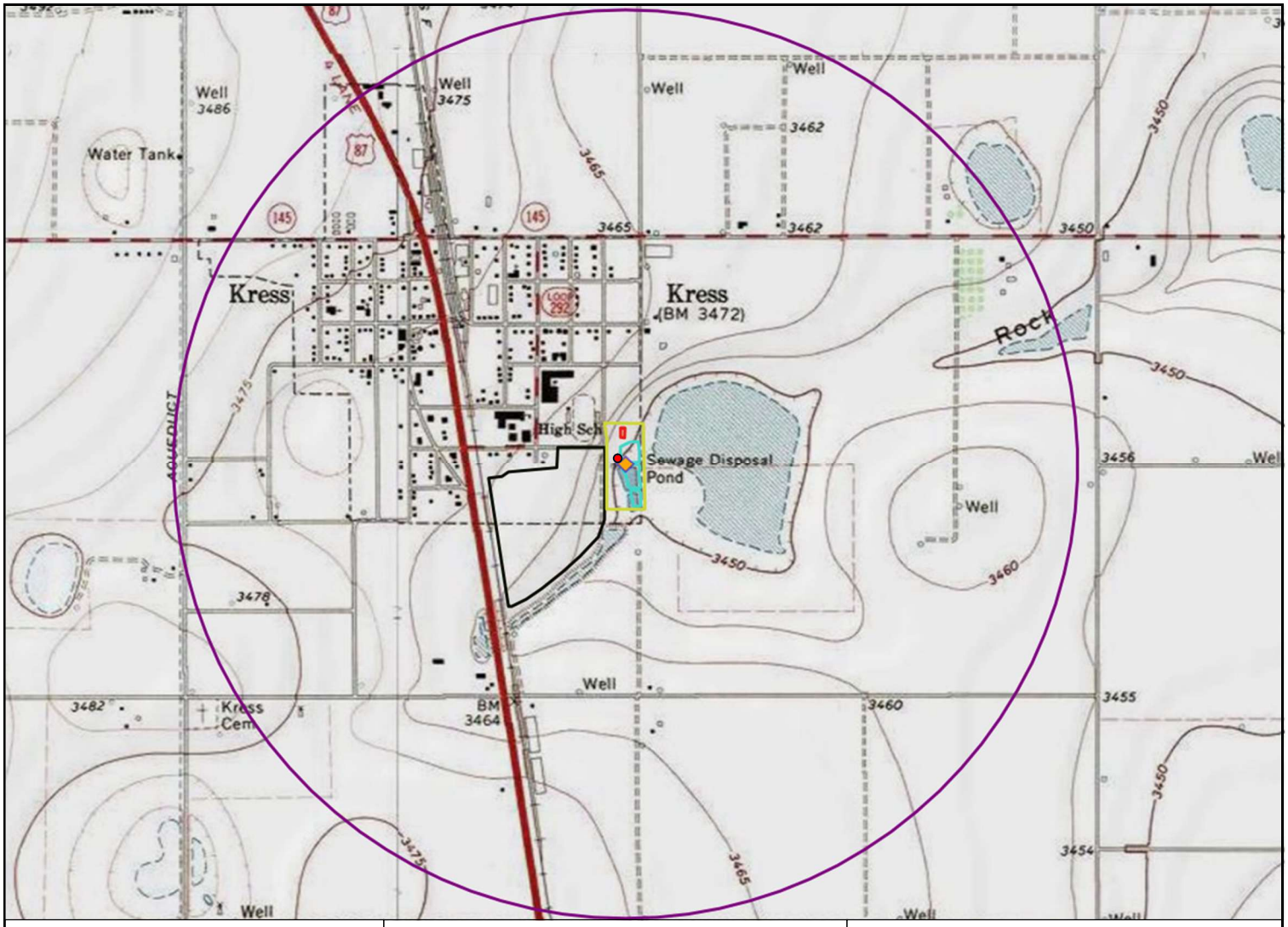
ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin,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

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

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

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

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



Legends

- Irrigation Field
- Treatment Plant Boundary
- Oxidization/Holding Ponds
- Imhoff Tank
- One Mile Radius

Source: USGS Topographic Quadrangles
7.5 Minute
Series: NW Kress East, TX
NE Kress West, TX
SW Claytonville NW, TX

Attachment C – USGS MAP

N

0 1,000 2,000 FEET

1" = 2000 FEET
1:24,000

RSB ENVIRONMENTAL
AN ALLIANCE TECHNICAL GROUP COMPANY

RSB Environmental
6001 Savoy Dr, Ste 110
Houston, TX

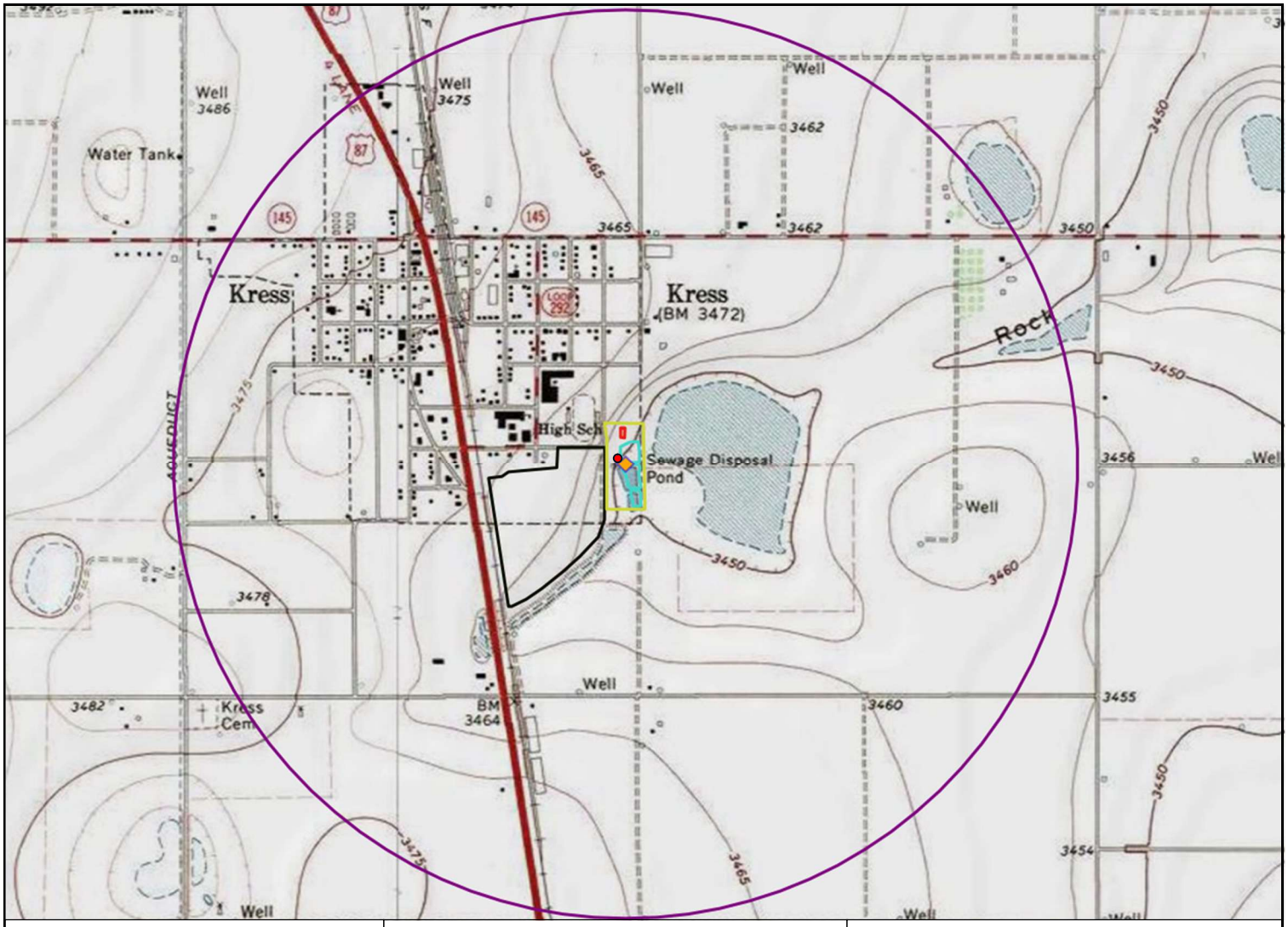
CITY OF KRESS

CITY OF KRESS WASTEWATER TREATMENT PLANT

WASTEWATER PERMIT RENEWAL FOR PERMIT NO. WQ0010409001

Drawn By:	Hani Said
Approved By:	Tanvi Desai
Project No.:	2305156
Date:	May 13th, 2024

Attachment C: USGS Map



Legends

- Irrigation Field
- Treatment Plant Boundary
- Oxidization/Holding Ponds
- Imhoff Tank
- One Mile Radius

Source: USGS Topographic Quadrangles
7.5 Minute
Series: NW Kress East, TX
NE Kress West, TX
SW Claytonville NW, TX

Attachment C – USGS MAP

N

0 1,000 2,000 FEET

1" = 2000 FEET
1:24,000

RSB ENVIRONMENTAL
AN ALLIANCE TECHNICAL GROUP COMPANY

RSB Environmental
6001 Savoy Dr, Ste 110
Houston, TX

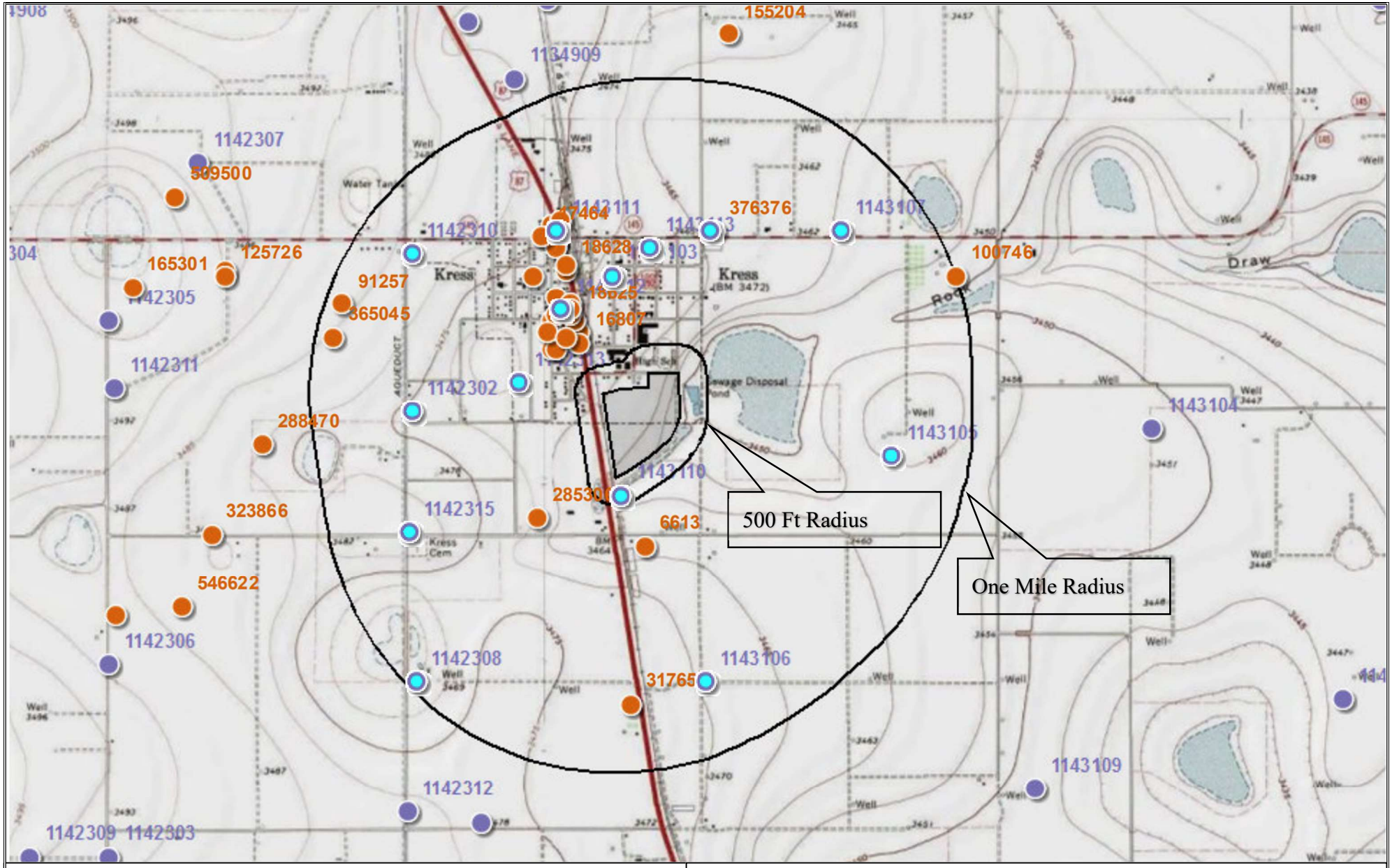
CITY OF KRESS

CITY OF KRESS WASTEWATER TREATMENT PLANT

WASTEWATER PERMIT RENEWAL FOR PERMIT NO. WQ0010409001

Drawn By:	Hani Said
Approved By:	Tanvi Desai
Project No.:	2305156
Date:	May 13th, 2024

Attachment C: USGS Map



Legends:
- TWDB Groundwater
- Well Reports
- Radius
- Boundary of Land Application

N

0 0.3 0.6 1.2 mi
0 0.5 1 2 km
1:36,112

Attachment E – Well Map

Drawn by: Hani Said
Date: 5/30/2024

CITY OF KRESS WWTP

Soil Map—Swisher County, Texas
(City of Kress WWTP Irrigation Land)

Map Scale: 1:6,000 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

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

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 31, 2021—Feb 1, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
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

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

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

Pep
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): 0.108

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

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

B. Interim II Phase

Design Flow (MGD): Click to enter text.

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

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

C. Final Phase

Design Flow (MGD): Click to enter text.

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

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

D. Current Operating Phase

Provide the startup date of the facility: 01/01/1958

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**.

The plant consists of an Imhoff tank, 3 oxidation storage ponds. 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.**

Table 1.0(1) - Treatment Units

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: B

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

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

- Latitude: Click to enter text.
- Longitude: Click to enter text.

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

- Latitude: 34.360799
- Longitude: -101.744517

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: C

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

City of Kress

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**.

N/A

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: Click to enter text.

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**.

Click to enter text.

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.

Describe the method of grit disposal.

N/A

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

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 N/A or TXRNE N/A

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.
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_5 concentration of the sludge, and the design BOD_5 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_5 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). **W*ater 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.

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, 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
E.coli (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 ($CaCO_3$)*, mg/l	N/A	N/A	N/A	N/A	N/A

*TPDES permits only
†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Aluminum, mg/l					
Alkalinity ($CaCO_3$), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Michael Gonzalez

Facility Operator's License Classification and Level: Class D

Facility Operator's License Number: WW0053260

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☐ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)

☐ Sludge Lagoon

☐ Temporary Storage (< 2 years)

☐ Long Term Storage (>= 2 years)

☐ Methane or Biogas Recovery

☐ Other Treatment Process: Transported to another WWTP

C. Biosolids Management

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

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Other	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): Transported to another WWTP

D. Disposal site

Disposal site name: The wastewater treatment plant has not had sludge hauled off for the past 3 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: Click to enter text.

E. Transportation method

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

Name of the hauler: BFI

Hauler registration number: 40074

Sludge is transported as a:

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

Section 10. Permit Authorization for Sewage Sludge Disposal

(Instructions Page 53)

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

Sludge Composting	☐ Yes	☒ No
Marketing and Distribution of sludge	☐ Yes	☒ No
Sludge Surface Disposal or Sludge Monofill	☐ Yes	☒ No
Temporary storage in sludge lagoons	☐ Yes	☒ No

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: Click to enter text.
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click to enter text.
- Federal Emergency Management Map:

  Attachment: Click to enter text.

- Site map:

  Attachment: Click to enter text.

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

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

Attachment: Click to enter text.

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

Click to enter text.

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: Click to enter text.

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

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

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

  Attachment: Click to enter text.
- Copy of the closure plan

  Attachment: Click to enter text.
- Copy of deed recordation for the site

  Attachment: Click to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click to enter text.
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: Click to enter text.
- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: Click to enter text.

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

A. Additional authorizations

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

☐ Yes ☐ No

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

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Click to enter text.

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

A. RCRA hazardous wastes

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

☐ Yes ☐ No

B. Remediation activity wastewater

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

☐ Yes ☐ No

C. Details about wastes received

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

Attachment: Click to enter text.

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:

- ☐ Surface application
- ☐ Subsurface application
- ☒ Irrigation
- ☐ Subsurface soils absorption
- ☐ Drip irrigation system
- ☐ Subsurface area drip dispersal system
- ☐ Evaporation
- ☐ Evapotranspiration beds
- ☐ Other (describe in detail): Click to enter text.

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

For existing authorizations, provide Registration Number: WQ0010409001

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)

Table 3.0(2) – Storage and Evaporation Ponds

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

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

Attachment: N/A

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:

FEMA Flood Map # 4841012

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**: 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.

Table 3.0(3) – Water Well Data

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

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: F

Are groundwater monitoring wells available onsite? ☐ Yes ☒ No

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

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

Attachment: N/A

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: H

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	pH	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: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

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/A

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/A

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/A

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/A

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: N/A

SIC Code: N/A

Contact name: N/A

Address: N/A

City, State, and Zip Code: N/A

Telephone number: N/A

Email address: N/A

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/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: 0

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 0

Discharge Type: ☐ Continuous ☐ 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: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

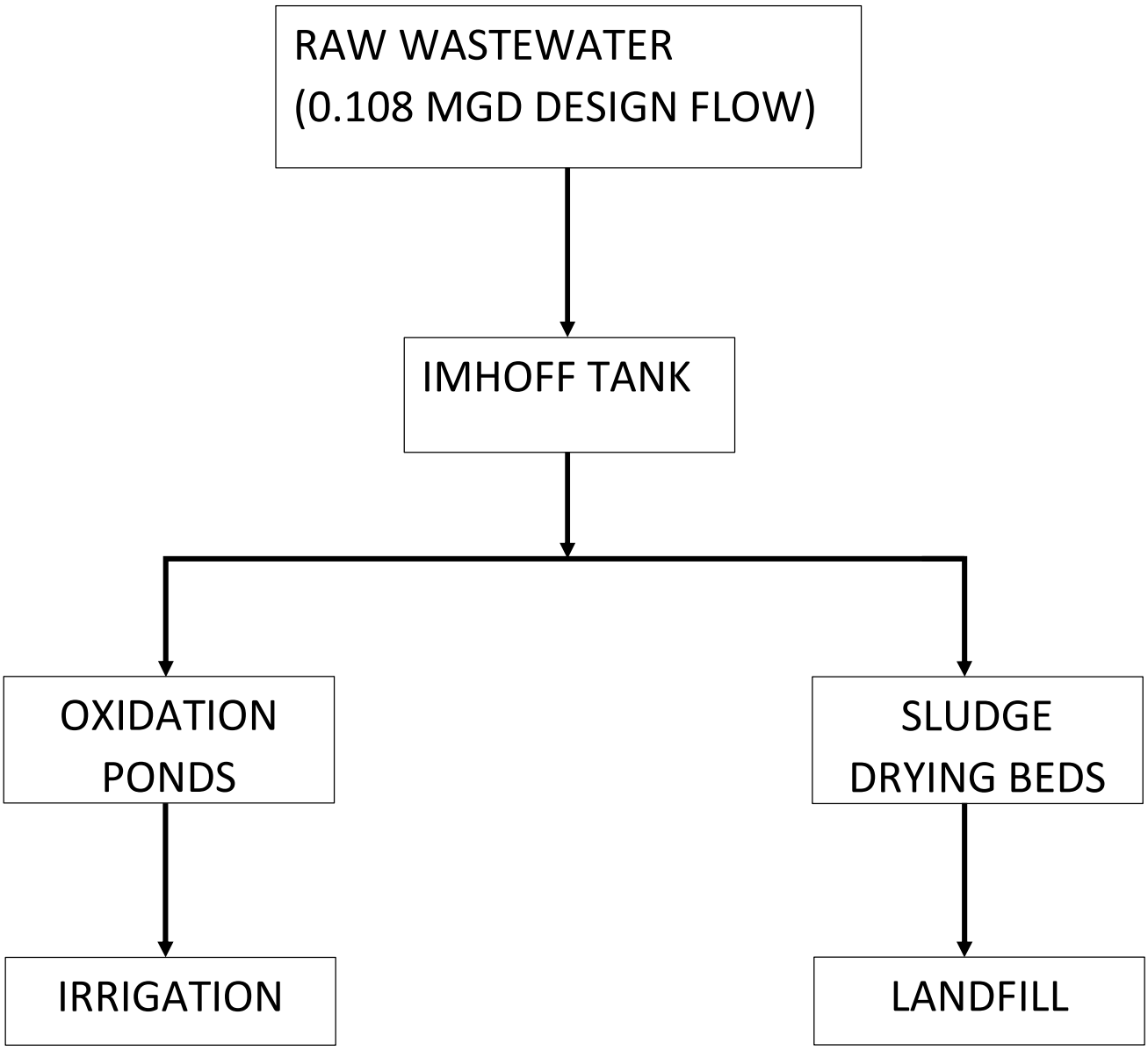
F. Industrial user interruptions

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.



City of Kress Wastewater Treatment Plant	RSB ENVIRONMENTAL AN ALLIANCE TECHNICAL GROUP COMPANY	ATTACHEMENT B FLOW DIAGRAM (SCHEMATIC) (NOT TO SCALE)

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

T104704247-23-25

February 2024

Irrigation Field: 0" - 6"

SUBCONTRACTED

Date	Plant Available Phosphorus	Plant Available Potassium	Total Nitrogen	Total Kjeldahl Nitrogen	Nitrate as N	pH	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	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	pH	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	pH	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:	---	---	---	---	---	---	---

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

T104704247-22-23

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

Lisa Soward

Lisa Soward B.A
Data Manager

ENVIRONMENTAL SCIENTIST
President
C.C. "Chuck" Blair, M.S. P.G. - B/B

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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.

my EOL

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

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

Table of Contents

Definitions/Glossary

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

Job ID: 870-24999-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
H	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
%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 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.

Detection Summary

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

Job ID: 870-24999-1

Client Sample ID: Irrigation Field 0"-6"

Lab Sample ID: 870-24999-1

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	H	1.00		mg/Kg	1		Nitrate by calc	Total/NA
pH	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	H	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"

Lab Sample ID: 870-24999-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
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	H	1.00		mg/Kg	1		Nitrate by calc	Total/NA
pH	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	H	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	Method	Prep Type
Phosphorus	39.9		19.8		mg/Kg	50		6010C	Total/NA
Potassium	739		4.95		mg/Kg	1		6010C	Total/NA
Nitrogen, Kjeldahl	704		426		mg/Kg	50		351.2	Total/NA
Nitrate Nitrite as N	20.9		4.98		mg/Kg	5		353.2	Total/NA
Nitrate as N	20.9	H	1.00		mg/Kg	1		Nitrate by calc	Total/NA
pH	7.5	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	725	H	0.200		mg/Kg	1		Total Nitrogen	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Irrigation Field 0"-6"

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

Date Collected: 02/27/24 10:15
Date Received: 03/05/24 12:30

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	36.4		0.396		mg/Kg		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	H	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 Nitrogen)	589	H	0.200		mg/Kg			03/28/24 14:13	1

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

Client Sample ID: Irrigation Field 6"-18"

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

Date Collected: 02/27/24 10:20
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	Dil 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	H	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 Nitrogen)	577	H	0.200		mg/Kg			03/28/24 14:13	1

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"

Lab Sample ID: 870-24999-3
Matrix: Solid

Date Collected: 02/27/24 10:30
Date Received: 03/05/24 12:30

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	39.9		19.8		mg/Kg		03/14/24 16:52	03/14/24 17:48	50
Potassium	739		4.95		mg/Kg		03/14/24 16:52	03/14/24 17:41	1

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

Job ID: 870-24999-1

Client Sample ID: Irrigation Field 18"-30"
Date Collected: 02/27/24 10:30
Date Received: 03/05/24 12:30

Lab Sample ID: 870-24999-3
Matrix: 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	H	1.00		mg/Kg			03/27/24 12:21	1
pH (SM 4500 H+ B)	7.5	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 Nitrogen)	725	H	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

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 860-149814/1-A
Matrix: Solid
Analysis Batch: 149896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 149814

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	<0.400	U	0.400		mg/Kg		03/14/24 16:52	03/14/24 17:36	1
Potassium	<5.00	U	5.00		mg/Kg		03/14/24 16:52	03/14/24 17:36	1

Lab Sample ID: 870-24999-1 DU
Matrix: Solid
Analysis Batch: 149896

Client Sample ID: Irrigation Field 0"-6"
Prep Type: Total/NA
Prep Batch: 149814

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Potassium	751		751.2		mg/Kg		0	20

Lab Sample ID: 870-24999-1 DU
Matrix: Solid
Analysis Batch: 149896

Client Sample ID: Irrigation Field 0"-6"
Prep Type: Total/NA
Prep Batch: 149814

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	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
Matrix: Solid
Analysis Batch: 150021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 149847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.200	U	0.200		mg/Kg		03/14/24 21:11	03/15/24 15:23	1

Lab Sample ID: LCS 860-149847/6-A
Matrix: Solid
Analysis Batch: 150021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 149847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	2.00	1.983		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 860-149847/7-A
Matrix: Solid
Analysis Batch: 150021

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 149847

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	2.00	1.953		mg/Kg		98	90 - 110	2	20

Lab Sample ID: LLCS 860-149847/5-A
Matrix: Solid
Analysis Batch: 150021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 149847

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	0.200	0.2506		mg/Kg		125	50 - 150

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 860-151746/1-A
Matrix: Solid
Analysis Batch: 151743

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 151746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	<1.00	U	1.00		mg/Kg		03/25/24 10:07	03/25/24 20:15	1

Lab Sample ID: LCS 860-151746/2-A
Matrix: Solid
Analysis Batch: 151743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 151746

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	10.0	9.574		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 860-151746/3-A
Matrix: Solid
Analysis Batch: 151743

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 151746

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	10.0	10.10		mg/Kg		101	90 - 110	5	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 860-151753/1-A
Matrix: Solid
Analysis Batch: 151751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 151753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<1.00	U	1.00		mg/Kg		03/25/24 10:41	03/25/24 18:25	1

Lab Sample ID: LCS 860-151753/2-A
Matrix: Solid
Analysis Batch: 151751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 151753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	10.0	9.814		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 860-151753/3-A
Matrix: Solid
Analysis Batch: 151751

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 151753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	10.0	9.631		mg/Kg		96	90 - 110	2	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 860-148975/44-A
Matrix: Solid
Analysis Batch: 148995

Client Sample ID: Method Blank
Prep Type: Soluble

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

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

Lab Sample ID: MB 860-148975/47-A
Matrix: Solid
Analysis Batch: 148995

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	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

Client Sample ID: Irrigation Field 0"-6"
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.6	HF	7.6		S.U.		0.8	
Temperature	19.9	HF	19.9		Deg. C		0	

QC Association Summary

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

Job ID: 870-24999-1

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	

Analysis Batch: 149896

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

General Chemistry

Leach 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	

Analysis Batch: 148995

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

Leach Batch: 149436

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: 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	351.2	

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

Lab 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

Leach Batch: 150487

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	
870-24999-1 DU	Irrigation Field 0"-6"	Total/NA	Solid	Dry and Grind	

Leach Batch: 151329

Lab 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

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

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
MB 860-151746/1-A	Method Blank	Total/NA	Solid	353.2	151746
LCS 860-151746/2-A	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	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	

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	KCl Extract	151744
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	KCl Extract	151744
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	KCl Extract	151744
MB 860-151746/1-A	Method Blank	Total/NA	Solid	KCl Extract	
LCS 860-151746/2-A	Lab Control Sample	Total/NA	Solid	KCl Extract	
LCSD 860-151746/3-A	Lab Control Sample Dup	Total/NA	Solid	KCl Extract	

Analysis Batch: 151751

Lab Sample ID	Client Sample ID	Prep Type	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

Leach 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	Prep Type	Matrix	Method	Prep Batch
870-24999-1	Irrigation Field 0"-6"	Total/NA	Solid	KCl Extract	151752
870-24999-2	Irrigation Field 6"-18"	Total/NA	Solid	KCl Extract	151752
870-24999-3	Irrigation Field 18"-30"	Total/NA	Solid	KCl Extract	151752
MB 860-151753/1-A	Method Blank	Total/NA	Solid	KCl Extract	
LCS 860-151753/2-A	Lab Control Sample	Total/NA	Solid	KCl Extract	
LCSD 860-151753/3-A	Lab Control Sample Dup	Total/NA	Solid	KCl Extract	

Analysis Batch: 151878

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: 152147

Lab Sample ID	Client Sample ID	Prep Type	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	

Lab Chronicle

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

Job ID: 870-24999-1

Client Sample ID: Irrigation Field 0"-6"

Date Collected: 02/27/24 10:15
Date Received: 03/05/24 12:30

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	KCl 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	KCl 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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	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	KCl 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	KCl 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

Lab Chronicle

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

Job ID: 870-24999-1

Client Sample ID: Irrigation Field 18"-30"

Date Collected: 02/27/24 10:30
Date Received: 03/05/24 12:30

Lab Sample ID: 870-24999-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	Prep	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	KCl 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	KCl 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	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	04/03/24 20:37	SC	EET HOU

Laboratory References:

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

Accreditation/Certification Summary

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

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
351.2	351.2	Solid	Nitrogen, Kjeldahl
Nitrate by calc		Solid	Nitrate as N
SM 4500 H+ B		Solid	pH
SM 4500 H+ B		Solid	Temperature
Total Nitrogen		Solid	Nitrogen, Total

Method Summary

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

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	pH	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
KCl 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

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

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, 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, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page _____ of _____

Project Manager:	SERISSA BECK	Bill to: (if different)	
Company Name:	Environmental Monitoring Laboratory	Company Name:	
Address:	PO BOX 477	Address:	
City, State ZIP:	HILLSBORO TX 76645	City, State ZIP:	
Phone:	254-582-2622	Email:	HOMEOFFICE@YOURWATERLAB.COM

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	City of Kress	Turn Around	
Project Number:		☐ Routine ☐ Rush	
Project Location:	WWTP	Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:	240320DB-01.02D2		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TH#602	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.4	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.6	
Total Containers:		Corrected Temperature:	1.2	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: pH (2:1 v/v) NO	Electrical Conductivity (mmhos/cm) NO	TKN, Nitrate-Nitrogen, Total Nitrogen NO	Plant Available P, K (Mehlich III) NO																Sample Comments
Irrigation Field 0"-6"	S	2/27/24	1015	0"-6"	Grab	1		x	x	x	x				x												Sample made up of 10 composite
Irrigation Field 6"-18"	S	2/27/24	1020	6"-18"	Grab	1		x	x	x	x				x												samples for each depth. Please
Irrigation Field 18"-30"	S	2/27/24	1030	18"-30"	Grab	1		x	x	x	x				x												report on a dry weight basis as
																											mg/kg.

870-24999 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2/28/24 1045	2			2/28/24 1646
3			2/28/24 2007	4			2/29/24 0800
5			3/5/24 1230	6			

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, 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, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page _____ of _____

Project Manager:	SERISSA BECK	Bill to: (if different)	
Company Name:	Environmental Monitoring Laboratory	Company Name:	
Address:	PO BOX 477	Address:	
City, State ZIP:	HILLSBORO TX 76645	City, State ZIP:	
Phone:	254-582-2622	Email:	HOMEOFFICE@YOURWATERLAB.COM

Work Order Comments

Program: UST/PST ☐RP ☐Brownfields ☐RRC ☐Superfund ☐
State of Project:
Reporting: Level II ☐Level III ☐PST/UST ☐TRRP ☐Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	City of Kress	Turn Around	
Project Number:		☐Routine ☐Rush	
Project Location:	WWTP	Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:	240226108-01,02,03		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	T#MW04	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.4	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	16	
Total Containers:		Corrected Temperature:	15.6	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: pH (2:1 v/v)	Electrical Conductivity (mmhos/cm)	TKN, Nitrate-Nitrogen, Total Nitrogen	Plant Available P, K (Mehlich III)	Sample Comments
Irrigation Field 0"-6"	S	2/27/24	1015	0"-6"	Grab	1	x	x	x	x	Sample made up of 10 composite
Irrigation Field 6"-18"	S	2/27/24	1020	6"-18"	Grab	1	x	x	x	x	samples for each depth. Please
Irrigation Field 18"-30"	S	2/27/24	1030	18"-30"	Grab	1	x	x	x	x	report on a dry weight basis as
											mg/kg.

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2/28/24 1045	2			2/28/24 1640
3		PEP	2/28/24 2007	4			3-5-24 800
5			3/5/24 1230	6			

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Dallas
9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Patel Anita	Carrier Tracking No(s):	COC No: 870-5753.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Anita Patel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 870-24999-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/14/2024			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: City of Kress	Project #: 87000101			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8010C/MEHL_Prep (MOD) Custom List	351.2/Dry_Grind Total Kjeldahl Nitrogen (TKN)	353.2/Dry_Grind	353.2_Nitrite/Dry_Grind	Nitrogen, Total	Nitrate_Calc/KCL_Ext_AC	SM4500_H+/Dry_Grind pH and Temperature	2510B/DI_Leach_WC Specific Conductance					Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
Irrigation Field 0' -6' (870-24999-1)	2/27/24	10:15 Central		Solid			X	X	X	X	X	X	X	X					1	
Irrigation Field 6' 18' (870-24999-2)	2/27/24	10:20 Central		Solid			X	X	X	X	X	X	X	X					1	
Irrigation Field 18' -30" (870-24999-3)	2/27/24	10:30 Central		Solid			X	X	X	X	X	X	X	X					1	

Temp: 24 IR ID HOU-368
C/F: +0.2 24
Corrected Temp:

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements: TPX

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		03/05/24-1700		MAR 05 2024		
	Relinquished by:	Date/Time:	Company	Received by: SB	Date/Time: 3/6/24 6:40	Company TPX
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Environmental Monitoring Laboratory, LLC

Job Number: 870-24999-1

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

List Source: Eurofins Dallas

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	

Login Sample Receipt Checklist

Client: Environmental Monitoring Laboratory, LLC

Job Number: 870-24999-1

Login Number: 24999
List Number: 2
Creator: Baker, Jeremiah

List Source: Eurofins Houston
List Creation: 03/06/24 09:36 AM

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	

Annual Cropping Plan 2024

The soil map depicts 1 irrigation tract consisting of approximately 40 acres of non-public 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:
  - periodically inspected by the TCEQ; or
  - located in another state and is accredited or inspected by that state; or
  - performing work for another company with a unit located in the same site; or
  - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

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

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

CERTIFICATION:

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

Printed Name: Serissa Beck, EML

Title: General Manager

Signature: _____

Date: 6/24/24

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>
Sent: Friday, August 2, 2024 10:10 AM
To: 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 non-public access irrigation system with a minimum area of 40 acres.
    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

RSB ENVIRONMENTAL
AN ALLIANCE TECHNICAL GROUP COMPANY