

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

TCEQ

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

If you are subject to the alternative language notice requirements in 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.

The City of Newcastle (CN 600335020) operates Wastewater Treatment Plant (RN 101611770), a pond system with an Imhoff tank, one stabilization pond, four storage ponds, and sludge drying beds. The facility is located at Approximately 1.5 miles west of the intersection of State HWY 251 and FM 926, in Newcastle, Young County, Texas 76372. This application is for the renewal to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.06 million gallons per day (MGD) via surface irrigation of 20 acres of non-public access range land in the Interim phase and 83 acres of non-public access range land in the final phase. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package.

Domestic wastewater is treated by pond system with an Imhoff tank, one stabilization pond, four storage ponds, and sludge drying beds.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0010647003

APPLICATION. City of Newcastle, P.O. Box 66, Newcastle, Texas 76372, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0010647003 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 60,000 gallons per day via surface irrigation of 83 acres of rangeland. The facility and disposal area are located approximately 1.5 miles west of the intersection of State Highway 251 and Farm-to-Market Road 926, near the city of Newcastle, in Young County, Texas 76372. TCEQ received this application on September 20, 2024. The permit application will be available for viewing and copying at Newcastle City Hall, 608 Broadway Avenue, Newcastle, in Young 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=-98.758055,33.185833&level=18

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

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

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

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

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

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

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

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

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

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at 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 Newcastle at the address stated above or by calling Mr. Josh Bennett, Mayor, at 940-846-3547.

Issuance Date: October 7, 2024

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: 0	City of Newcastle
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PERMIT NUMBER (If new, leave blank): WQ00 10647-003

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

	Y	N		Y	Ν
Administrative Report 1.0	\boxtimes		Original USGS Map	\boxtimes	
Administrative Report 1.1		\boxtimes	Affected Landowners Map		\boxtimes
SPIF		\boxtimes	Landowner Disk or Labels		\boxtimes
Core Data Form	\boxtimes		Buffer Zone Map		\boxtimes
Public Involvement Plan Form		\boxtimes	Flow Diagram	\boxtimes	
Technical Report 1.0	\boxtimes		Site Drawing	\boxtimes	
Technical Report 1.1		\boxtimes	Original Photographs		\boxtimes
Worksheet 2.0		\boxtimes	Design Calculations		\boxtimes
Worksheet 2.1		\boxtimes	Solids Management Plan		\boxtimes
Worksheet 3.0	\boxtimes		Water Balance		\boxtimes
Worksheet 3.1		\boxtimes			
Worksheet 3.2		\boxtimes			
Worksheet 3.3		\boxtimes			
Worksheet 4.0		\boxtimes			
Worksheet 5.0		\boxtimes			
Worksheet 6.0	\boxtimes				
Worksheet 7.0		\boxtimes			

For TCEQ Use Only	
Segment NumberExpiration Date	County Region
Permit Number	

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION **ADMINISTRATIVE REPORT 1.0**

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

Section 1. Application Fees (Instructions Page 26)

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

Flow	New/Major Amendment	Renewal
< 0.05 MGD	\$350.00 □	\$315.00 □
≥0.05 but <0.10 MGD	\$550.00 □	\$515.00 ⊠
≥0.10 but <0.25 MGD	\$850.00 □	\$815.00 □
≥0.25 but <0.50 MGD	\$1,250.00 □	\$1,215.00
≥0.50 but <1.0 MGD	\$1,650.00 □	\$1,615.00 □
≥1.0 MGD	\$2,050.00 □	\$2,015.00

Minor Amendment (for any flow) $$150.00 \square$

Pavmer	t In	form	ation
Pavillei	n m	101111	auon

Check/Money Order Number: 14384 Mailed \$Check/Money Order Amount: \$515.00 Name Printed on Check: City of Newcastle **EPAY** Voucher Number: N/A

Copy of Payment Voucher enclosed? Yes □

Section 2. Type of Application (Instructions Page 26)

a.	Che	ck the box next to the appropriate authorization type.
	\boxtimes	Publicly-Owned Domestic Wastewater
		Privately-Owned Domestic Wastewater
		Conventional Wastewater Treatment
b.	Che	ck the box next to the appropriate facility status.
	\boxtimes	Active Inactive

c.	Che	eck the box next to the appropriate permit typ	e.	
		TPDES Permit		
	\boxtimes	TLAP		
		TPDES Permit with TLAP component		
		Subsurface Area Drip Dispersal System (SAD	DS)	
d.	Che	eck the box next to the appropriate application	ı typ	e
		New		
		Major Amendment <u>with</u> Renewal		Minor Amendment <u>with</u> Renewal
		Major Amendment <u>without</u> Renewal		Minor Amendment <u>without</u> Renewal
	\boxtimes	Renewal without changes		Minor Modification of permit
e.	For	amendments or modifications, describe the p	ropo	osed changes: Click to enter text.
f.	For	existing permits:		
	Per	mit Number: WQ00 <u>10647003</u>		
	EPA	A I.D. (TPDES only): TX <u>0117901</u>		
	Exp	oiration Date: <u>11/27/24</u>		
Se	ectio	on 3. Facility Owner (Applicant) a (Instructions Page 26)	nd	Co-Applicant Information
		(mstructions rage 20)		
Α.	The	e owner of the facility must apply for the per	mit.	
	Wh	at is the Legal Name of the entity (applicant) a	pply	ing for this permit?
	<u>City</u>	<u>v of Newcastle</u>		
		e legal name must be spelled exactly as filed w legal documents forming the entity.)	ith tì	he Texas Secretary of State, County, or in
		he applicant is currently a customer with the T a may search for your CN on the TCEQ website		
		CN: <u>600335020</u>		

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

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

Title: Mr. Credential: Mayor

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

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

N/A

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

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

CN: Click to enter text.

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

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

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

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

C. Core Data Form

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

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Click to enter text. Last Name, First Name: <u>Bennett, Josh</u>

Title: Mr. Credential: Mayor

Organization Name: City of Newcastle

Mailing Address: PO Box 66 City, State, Zip Code: Newcastle, TX 76372

Phone No.: 940-846-3547 E-mail Address: cityofnewcastle@brazosnet.com

Check one or both: oxdot Administrative Contact oxdot Technical Contact

B. Prefix: Click to enter text. Last Name, First Name: Parks, Jessica

Title: <u>Ms.</u> Credential: <u>Professional Engineer</u>

Organization Name: Corlett, Probst & Boyd, PLLC

Mailing Address: <u>4605 Old Jacksboro Hwy</u> City, State, Zip Code: <u>Wichita Falls, TX 76302</u>

Phone No.: <u>940-723-1455</u> E-mail Address: <u>jessica@cpbwf.com</u>

Check one or both: \square Administrative Contact \boxtimes Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Click to enter text. Last Name, First Name: <u>Bennett, Josh</u>

Title: Mr. Credential: Mayor

Organization Name: <u>City of Newcastle</u>

Mailing Address: PO Box 66 City, State, Zip Code: Newcastle, TX 76372

Phone No.: <u>940-846-3547</u> E-mail Address: <u>cityofnewcastle@brazosnet.com</u>

B. Prefix: Click to enter text. Last Name, First Name: <u>Parks</u>, <u>Jessica</u>

Title: Ms. Credential: Professional Engineer

Organization Name: Corlett, Probst & Boyd, PLLC

Mailing Address: 4605 Old Jacksboro Hwy City, State, Zip Code: Wichita Falls, TX 76302

Phone No.: <u>940-723-1455</u> E-mail Address: <u>jessica@cpbwf.com</u>

Section 6. Billing Contact Information (Instructions Page 27)

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

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

Title: Ms. Credential: City Secretary

Organization Name: City of Newcastle

Mailing Address: <u>PO Box 66</u> City, State, Zip Code: <u>Newcastle, TX 76372</u>

Phone No.: <u>940-846-3547</u> E-mail Address: <u>cityofnewcastle@brazosnet.com</u>

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

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

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

Title: Mr. Credential: Mayor

Organization Name: City of Newcastle

Mailing Address: PO Box 66 City, State, Zip Code: Newcastle, TX 76372

Phone No.: <u>940-846-3547</u> E-mail Address: <u>cityofnewcastle@brazosnet.com</u>

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

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

Title: Mr. Credential: Mayor

Organization Name: <u>City of Newcastle</u>

Mailing Address: PO Box 66 City, State, Zip Code: Newcastle, TX 76372

Phone No.: <u>940-846-3547</u> E-mail Address: <u>cityofnewcastle@brazosnet.com</u>

В.	Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package
	Indicate by a check mark the preferred method for receiving the first notice and instructions
	⊠ E-mail Address
	□ Fax
	⊠ Regular Mail
C.	Contact permit to be listed in the Notices
	Prefix: Click to enter text. Last Name, First Name: <u>Bennett, Josh</u>
	Title: Mr. Credential: Mayor
	Organization Name: <u>City of Newcastle</u>
	Mailing Address: PO Box 66 City, State, Zip Code: Newcastle, TX 76372
	Phone No.: <u>940-846-3547</u> E-mail Address: <u>cityofnewcastle@brazosnet.com</u>
D.	Public Viewing Information
	If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.
	Public building name: <u>City of Newcastle City Hall</u>
	Location within the building: <u>N/A</u>
	Physical Address of Building: <u>608 Broadway Ave</u>
	City: <u>Newcastle</u> County: <u>Young</u>
	Contact (Last Name, First Name): <u>Bennett, Josh</u>
	Phone No.: <u>940-846-3547</u> Ext.: Click to enter text.
Ε.	Bilingual Notice Requirements
	This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.
	This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.
	Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.
	1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?
	□ Yes ⊠ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9

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

No

below.

Yes

	3.	Do the location	students at n?	these	e schools a	ttend a	bilingua	l educa	tion prog	ram a	t another
			Yes	\boxtimes	No						
	4.		the school b							gram b	out the school has
			Yes		No						
	5.		nswer is yes ed. Which lar	_							tive language are
F.	Pla	in Lang	guage Summ	ary 7	Гemplate						
	Co	mplete	the Plain Laı	nguag	ge Summar	у (ТСЕ	Q Form 2	0972) a	and includ	de as a	n attachment.
	At	tachme	nt: <u>B</u>								
G.	Pu	blic Inv	olvement P	lan Fo	orm						
						Form	TCEQ Fo	rm 209	060) for ea	ach ap	plication for a
		-	it or major							_	-
	At	tachme	nt: <u>N/A</u>								
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Se	cti	on 9.	Regulat Page 29		entity ar	id Pei	mitted	Site	Inform	ation	(Instructions
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Α.			ls currently LN <u>101611770</u>	_	ateu by TC	.EQ, pro	Mue the	Reguia	iteu Entity	y Mulli	ber (RN) issued to
			TCEQ's Cencer				<u>/www15.t</u>	ceq.tex	as.gov/cr	<u>pub/</u> t	to determine if
B.	Na	me of p	roject or site	e (the	name kno	wn by	the comn	nunity	where loc	cated):	
	<u>Ne</u>	wcastle V	Wastewater T	reatm	ent Plant						
C.	Ov	vner of	treatment fa	cility	City of Nev	<u>wcastle</u>					
	Ov	vnership	of Facility:		Public		Private		Both		Federal
D.	Ov	vner of l	land where t	reatn	nent facilit	y is or	will be:				
	Pre	efix: Clic	ck to enter to	ext.	Last	Name,	First Nar	ne: Clic	ck to ente	r text.	
	Tit	le: Click	to enter tex	xt.	Cred	dential:	Click to	enter te	ext.		
	Or	ganizati	ion Name: <u>Ci</u>	ity of I	<u>Newcastle</u>						
	Ma	iling Ac	ldress: <u>PO B</u>	ox 66		(City, State	e, Zip C	ode: <u>New</u>	castle, '	<u> Fexas, 76372</u>
	Ph	one No.	: <u>940-846-35</u>	4 7	E-m	nail Ado	dress: <u>city</u>	<u>vofnewc</u>	astle@bra	zosnet.	<u>com</u>
			owner is not t or deed rec		_		-		or co-ap	plican	t, attach a lease
		Attach	ment: <u>N/A</u>								

F.

	Prefix: Click to enter text.	Last Name, First Name: Click to enter text.
	Title: Click to enter text.	Credential: Click to enter text.
	Organization Name: Click to ent	ter text.
	Mailing Address: Click to enter t	text. City, State, Zip Code: Click to enter text.
	Phone No.: Click to enter text.	E-mail Address: Click to enter text.
	If the landowner is not the same agreement or deed recorded eas	e person as the facility owner or co-applicant, attach a lease sement. See instructions.
	Attachment: Click to enter to	ext.
F.	Owner sewage sludge disposal s property owned or controlled by	site (if authorization is requested for sludge disposal on y the applicant)::
	Prefix: Click to enter text.	Last Name, First Name: Phillips, Neal and Weta
	Title: Click to enter text.	Credential: <u>N/A</u>
	Organization Name: <u>N/A</u>	
	Mailing Address: PO Box 276 and TX, 76372 and 76450, respectively	1311 Roanoke Dr, respectively City, State, Zip Code: TX and
	Phone No.: <u>N/A</u>	E-mail Address: <u>N/A</u>
	If the landowner is not the same agreement or deed recorded eas	e person as the facility owner or co-applicant, attach a lease sement. See instructions.
		sement. See instructions.
	agreement or deed recorded eas Attachment: C: 20 Acre Tract.	sement. See instructions. , 63 Acre Tract
Se	agreement or deed recorded eas Attachment: C: 20 Acre Tract.	sement. See instructions.
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	agreement or deed recorded ease Attachment: C: 20 Acre Tract. Action 10. TPDES Dischar Is the wastewater treatment facility. Yes No If no, or a new permit application.	sement. See instructions. , 63 Acre Tract rge Information (Instructions Page 31)
	agreement or deed recorded ease Attachment: C: 20 Acre Tract. Cction 10. TPDES Dischar Is the wastewater treatment facility Yes □ No	sement. See instructions. 63 Acre Tract Tge Information (Instructions Page 31) ility location in the existing permit accurate?
	agreement or deed recorded ease Attachment: C: 20 Acre Tract. Action 10. TPDES Dischar Is the wastewater treatment facility. Yes No If no, or a new permit application.	sement. See instructions. 63 Acre Tract Tge Information (Instructions Page 31) ility location in the existing permit accurate?
A.	agreement or deed recorded ease Attachment: C: 20 Acre Tract, ection 10. TPDES Dischar Is the wastewater treatment fact ✓ Yes □ No If no, or a new permit application N/A	sement. See instructions. 63 Acre Tract Tge Information (Instructions Page 31) ility location in the existing permit accurate?
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A.	agreement or deed recorded ease Attachment: C: 20 Acre Tract, ection 10. TPDES Dischar Is the wastewater treatment fact	sement. See instructions. George Information (Instructions Page 31) ility location in the existing permit accurate? ion, please give an accurate description:
A.	Attachment: C: 20 Acre Tract. Ction 10. TPDES Dischar Is the wastewater treatment fact Yes □ No If no, or a new permit applicati N/A Are the point(s) of discharge and Yes □ No If no, or a new or amendment point of discharge and the disch	ge Information (Instructions Page 31) ility location in the existing permit accurate? ion, please give an accurate description: d the discharge route(s) in the existing permit correct? permit application, provide an accurate description of the
A.	Attachment: C: 20 Acre Tract. Attachment: C: 20 Acre Tract. Cotion 10. TPDES Dischar Is the wastewater treatment fact. ✓ Yes □ No If no, or a new permit application. ✓ Yes □ No If no, or a new or amendment point of discharge and the disch	ge Information (Instructions Page 31) ility location in the existing permit accurate? ion, please give an accurate description: d the discharge route(s) in the existing permit correct? permit application, provide an accurate description of the
A.	Attachment: C: 20 Acre Tract. Ction 10. TPDES Dischar Is the wastewater treatment fact Yes □ No If no, or a new permit application N/A Are the point(s) of discharge and wastewater in the point of discharge and the discharge and the discharge and the discharge and the discharge in N/A	ge Information (Instructions Page 31) ility location in the existing permit accurate? ion, please give an accurate description: d the discharge route(s) in the existing permit correct? permit application, provide an accurate description of the narge route to the nearest classified segment as defined in 30

E. Owner of effluent disposal site:

	□ Yes ⊠ No
	If yes , indicate by a check mark if:
	\square Authorization granted \square Authorization pending
	For new and amendment applications, provide copies of letters that show proof of contact and the approval letter upon receipt.
	Attachment: <u>N/A</u>
D.	For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Click to enter text.
Se	ection 11. TLAP Disposal Information (Instructions Page 32)
Α.	For TLAPs, is the location of the effluent disposal site in the existing permit accurate? $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
	If no, or a new or amendment permit application , provide an accurate description of the disposal site location:
	The disposal site is located approximately 1.5 miles west of the intersection of State Highway 251 and Farm-to-Market road 926 in Young County, Texas, 76732 on the survey A-0222 by J M Peveler
B.	City nearest the disposal site: <u>Newcastle</u>
C.	County in which the disposal site is located: Young
D.	For TLAPs , describe the routing of effluent from the treatment facility to the disposal site:
	Routing of effluent from treatment plant; thence to disposal surface via surface irrigation
Е.	For TLAPs , please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: <u>Brazos River</u>
Se	ection 12. Miscellaneous Information (Instructions Page 32)
A.	Is the facility located on or does the treated effluent cross American Indian Land?
	□ Yes ⊠ No
В.	If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?
	□ Yes □ No ⊠ Not Applicable
	If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.
	N/A

C.	. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?				
	□ Yes ⊠ No				
	If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: $\underline{N/A}$				
D.	Do you owe any fees to the TCEQ?				
	□ Yes ⊠ No				
	If yes , provide the following information:				
	Account number: <u>N/A</u>				
	Amount past due: <u>N/A</u>				
E.	Do you owe any penalties to the TCEQ?				
	□ Yes ⊠ No				
	If yes , please provide the following information:				
	Enforcement order number: <u>N/A</u>				
	Amount past due: <u>N/A</u>				
	ection 13. Attachments (Instructions Page 33)				
Inc	dicate which attachments are included with the Administrative Report. Check all that apply:				
Inc	dicate which attachments are included with the Administrative Report. Check all that apply: Lease agreement or deed recorded easement, if the land where the treatment facility is				
Inc	dicate which attachments are included with the Administrative Report. Check all that apply: Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.				
Inc	Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant. Original full-size USGS Topographic Map with the following information: • Applicant's property boundary • Treatment facility boundary • Labeled point of discharge for each discharge point (TPDES only) • Highlighted discharge route for each discharge point (TPDES only) • Onsite sewage sludge disposal site (if applicable) • Effluent disposal site boundaries (TLAP only) • New and future construction (if applicable) • 1 mile radius information • 3 miles downstream information (TPDES only)				
Ind 🖂	Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant. Original full-size USGS Topographic Map with the following information: • Applicant's property boundary • Treatment facility boundary • Labeled point of discharge for each discharge point (TPDES only) • Highlighted discharge route for each discharge point (TPDES only) • Onsite sewage sludge disposal site (if applicable) • Effluent disposal site boundaries (TLAP only) • New and future construction (if applicable) • 1 mile radius information • 3 miles downstream information (TPDES only) • All ponds.				

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: <u>WQ0010647003</u>

Applicant: City of Newcastle

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): <u>Josh Bennett</u> Signatory title: <u>Mayor</u>	
Signature:Date:	29-24
Subscribed and Sworn to before me by the said Wash Ben on this day of	nett _, 20 <u>24</u> . _, 20 <u>26</u> .
Notary Public DEBORAH CASTEEL NOTARY PUBLIC STATE OF TEXAS MY COMM. EXP. 04/04/26 NOTARY ID 13148292-9 County, /Texas	[SEAL]

DOMESTIC WASTEWATER PERMIT APPLICATION SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: N/A

THE TONMENTAL OUR LAND TO THE TONE THE

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): o.o6

2-Hr Peak Flow (MGD): <u>0.12</u>

Estimated construction start date: <u>N/A</u>

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD): N/A

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): N/A

2-Hr Peak Flow (MGD): <u>N/A</u>

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

D. Current Operating Phase

Provide the startup date of the facility: <u>06/01/1993</u>

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

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

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

The city of Newcastle facilities consist of an existing pond system. Treatment units include an Imhoff tank, a stabilization pond, and four storage ponds, and sludge drying beds. The five ponds have a total surface area of approximately 2 acres and total storage design capacity of approximately 17.6 acre-feet for storage of treated effluent prior to irrigation

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)	
Imhoff Tank	1	10' x 18' x 20'	
Stabilization pond	1	9' x 130' x 165'	
Storage pond	4	9' x 130' x 165'	
Sludge Drying Beds		25' x 75'	

C. Process Flow Diagram

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

Attachment: **E**

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

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

• Latitude: <u>N/A</u>

• Longitude: <u>N/A</u>

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

• Latitude: <u>33° 11' 12" N</u>

• Longitude: <u>98 ° 45' 24"W</u>

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

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

Attachment: F

Provide the name and a des	cription of the area	served by the treatment	facility.
City of Newcastle			
Collection System Informati each uniquely owned collection		- ,	
satellite collection systems.			
examples.			
Collection System Informatio		10 T	D. Luis C.
Collection System Name	Owner Name	Owner Type	Population Served
		Choose an item.	
Coation 4 Inharit F	lbacas (Instruction	tions Dogs 45)	
Section 4. Unbuilt P	Phases (Instruc	dons Page 45)	
Is the application for a rene	wal of a permit tha	t contains an unbuilt pha	ase or phases?
□ Yes ⊠ No			
If yes, does the existing per years of being authorized b		e that has not been cons	tructed within five
□ Yes ⊠ No			
If yes, provide a detailed di Failure to provide sufficier recommending denial of th	nt justification may	result in the Executive	
N/A		-	
Section 5. Closure I	Plans (Instructi	ons Page 45)	
Have any treatment units be	een taken out of ser		l any units be taken
out of service in the next fiv	ve years?		
□ Yes ⊠ No			

If y	es, was a closure plan submitted to the TCEQ?
[□ Yes ⊠ No
If y	es, provide a brief description of the closure and the date of plan approval.
	ction 6. Permit Specific Requirements (Instructions Page 45)
Pro	applicants with an existing permit, check the Other Requirements or Special visions of the permit.
	Summary transmittal
	Have plans and specifications been approved for the existing facilities and each proposed phase?
	⊠ Yes □ No
]	If yes, provide the date(s) of approval for each phase: <u>Unknown</u>
Ì	Provide information, including dates, on any actions taken to meet a <i>requirement or provision</i> pertaining to the submission of a summary transmittal letter. Provide a copy of an approval letter from the TCEQ, if applicable.
	Not Available
B. 1	Buffer zones
]	Have the buffer zone requirements been met?
	⊠ Yes □ No
1	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.
	150 foot buffer zone surrounding the existing facilities has been met through land ownership

C.	Ot	her actions required by the current permit
	sul	es the <i>Other Requirements</i> or <i>Special Provisions</i> section in the existing permit require omission of any other information or other required actions? Examples include tification of Completion, progress reports, soil monitoring data, etc.
		□ Yes ⊠ No
		ves, provide information below on the status of any actions taken to meet the additions of an <i>Other Requirement</i> or <i>Special Provision</i> .
	N	/A
D.	Gr	it 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.
	<i>2.</i>	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?

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.

If No, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A

Yes 🗵

No

		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.	Sto	ormwater management
	1.	Applicability
		Does the facility have a design flow of 1.0 MGD or greater in any phase?
		□ Yes ⊠ No
		Does the facility have an approved pretreatment program, under 40 CFR Part 403?
		□ Yes ⊠ No
		If no to both of the above, then skip to Subsection F, Other Wastes Received.
	2.	MSGP coverage
		Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?
		□ Yes □ No
		If yes , please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:
		TXR05 <u>N/A</u> or TXRNE <u>N/A</u>
		If no, do you intend to seek coverage under TXR050000?
		□ Yes □ No
	3.	Conditional exclusion
		Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?
		□ Yes □ No

	If yes , please explain below then proceed to Subsection F, Other Wastes Received:						
N/A							
4.	Existing coverage in individual permit						
	Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?						
	□ Yes □ No						
	If yes , provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.						
	Click to enter text.						
5.	Zero stormwater discharge						
	Do you intend to have no discharge of stormwater via use of evaporation or other means?						
	□ Yes □ No						
	If yes, explain below then skip to Subsection F. Other Wastes Received.						
	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.	Dis	scharges to the Lake Houston Watershed
	Do	es the facility discharge in the Lake Houston watershed?
		□ Yes ⊠ No
	If y <u>N/</u>	ves, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. $\underline{\mathbf{A}}$
G.	Ot	her 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

	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
Sect	ion 7. Pollutant Analysis of Treated Effluent (Instructions Page
	50)
s the	facility in operation?
\boxtimes	Yes □ No
f no ,	this section is not applicable. Proceed to Section 8.
f yes	s, provide effluent analysis data for the listed pollutants. <i>Wastewater treatment</i>

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

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

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

Table 1.0(2) - Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	9.76		1	Grab	9/5/24, 8:40AM
Total Suspended Solids, mg/l	108		1	Grab	9/5/24, 8:40AM
Ammonia Nitrogen, mg/l	0.499		1	Grab	9/5/24, 8:40AM
Nitrate Nitrogen, mg/l	<0.1		1	Grab	9/5/24, 8:40AM
Total Kjeldahl Nitrogen, mg/l	5.54		1	Grab	9/5/24, 8:40AM
Sulfate, mg/l	37.3		1	Grab	9/5/24, 8:40AM
Chloride, mg/l	205		1	Grab	9/5/24, 8:40AM
Total Phosphorus, mg/l	1.89		1	Grab	9/5/24, 8:40AM
pH, standard units	9.4		1	Grab	9/5/24, 8:40AM
Dissolved Oxygen*, mg/l	7.0		1	Grab	9/5/24, 8:40AM
Chlorine Residual, mg/l	0.0		1	Grab	9/5/24, 8:40AM
E.coli (CFU/100ml) freshwater	0.0		1	Grab	9/5/24, 8:40AM
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l	600		1	Grab	9/5/24, 8:40AM
Electrical Conductivity, µmohs/cm, †	1130		1	Grab	9/5/24, 8:40AM
Oil & Grease, mg/l	<4.40		1	Grab	9/5/24, 8:40AM
Alkalinity (CaCO ₃)*, mg/l	221		1	Grab	9/5/24, 8:40AM

^{*}TPDES permits only

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Stephen Brent Casteel

Facility Operator's License Classification and Level: Class D Wastewater Treatment Operator

Facility Operator's License Number: <u>2520002</u>

[†]TLAP permits only

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

Α.	VV VV	1 P S Biosonus Management Facility Type
	Che	ck 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.	ww	ΓP's Biosolids Treatment Process
	Che	ck all that apply. See instructions for guidance.
		Aerobic Digestion
	\boxtimes	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)
	\boxtimes	Sludge Lagoon
		Temporary Storage (< 2 years)
		Long Term Storage (>= 2 years)
		Methane or Biogas Recovery
		Other Treatment Process: Click to enter text.

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
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.	Choose an item.

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

D. Disposal site

Disposal site name: Iowa Park Landfill

TCEQ permit or registration number: <u>MWS 1571A</u> County where disposal site is located: <u>Wich</u>ita

E. Transportation method

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

Name of the hauler: Waste Connections Lone Star Inc.

Hauler registration number: RN100213214

Sludge is transported as a:

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

A. Beneficial use authorization

Does the existi	ng permit	include a	uthorization	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					
		he existing permit include authorization fo e or disposal options?	r an	y of the	follow	ring sludge processing,	
	Sluc	dge Composting		Yes	\boxtimes	No	
	Mar	keting and Distribution of sludge		Yes	\boxtimes	No	
	Sluc	dge Surface Disposal or Sludge Monofill		Yes	\boxtimes	No	
	Ten	nporary storage in sludge lagoons		Yes	\boxtimes	No	
	authori	to any of the above sludge options and the ization, is the completed Domestic Wastev ical Report (TCEQ Form No. 10056) attach	vate	r Permit	t Appl	ication: Sewage Sludge	
		Yes 🗵 No					
Se	ection	11. Sewage Sludge Lagoons (Ins	tru	ctions	Page	53)	
		facility include sewage sludge lagoons?					
	□ Ye	,					
If	yes, com	nplete the remainder of this section. If no, j	proc	eed to S	ection	12.	
A.	Locatio	on information					
		llowing maps are required to be submitted e the Attachment Number.	as p	art of th	ne app	lication. For each map,	
	•	Original General Highway (County) Map:					
		Attachment: <u>N/A</u>					
	•	USDA Natural Resources Conservation Serv	vice	Soil Map):		
		Attachment: <u>N/A</u>					
	•]	Federal Emergency Management Map:					
		Attachment: <u>N/A</u>					
		Site map:					
		Attachment: <u>N/A</u>					
	Discuss in a description if any of the following exist within the lagoon area. Check all that apply.						
		Overlap a designated 100-year frequency	floo	d plain			
		Soils with flooding classification					
		Overlap an unstable area					
		□ Wetlands					
		□ Located less than 60 meters from a fault					

 \square None of the above

Attachment: N/A

If a portion of the lagoon(s) is l	located within th	ne 100-year f	requency i	flood plain,	provide
the protective measures to be $\boldsymbol{\iota}$	utilized including	g type and s	ize of prot	ective struc	tures:

N/A		

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: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: N/A

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

Volume and frequency of sludge to the lagoon(s): N/A

Total dry tons stored in the lagoons(s) per 365-day period: N/A

Total dry tons stored in the lagoons(s) over the life of the unit: N/A

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.						
The liner is compacted clay. See Attachment G for liner certification.							
D.	Site development plan						
	Provide a detailed description of the methods used to deposit sludge in the lagoon(s):						
	N/A						
	Attach the following documents to the application.						
	 Plan view and cross-section of the sludge lagoon(s) 						
	Attachment: N/A						
	Copy of the closure plan						
	Attachment: N/A						
	 Copy of deed recordation for the site 						
	Attachment: N/A						
	• Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons						
	Attachment: N/A						
	 Description of the method of controlling infiltration of groundwater and surface water from entering the site 						
	Attachment: N/A						
	 Procedures to prevent the occurrence of nuisance conditions 						
	Attachment: N/A						
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						

Attachment: N/A

types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

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

Α.	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:
N,	/A
В.	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:
N,	/A

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	\boxtimes	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: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

- The laboratory is an in-house laboratory and is:
 - o periodically inspected by the TCEQ; or
 - o located in another state and is accredited or inspected by that state; or
 - o performing work for another company with a unit located in the same site; or
 - o 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: Click to enter text.

Title: Click to enter text.
Lity secretar

Signature:
Date: 09

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 dispos	al:	
Surface application		Subsurface application
		Subsurface soils absorption
☐ Drip irrigation system		Subsurface area drip dispersal system
□ Evaporation		Evapotranspiration beds
\square Other (describe in detail): N	<u> </u>	

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

For existing authorizations, provide Registration Number: N/A

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

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

Table 3.0(1) - Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
Native Grasses	83	<0.06 MGD	N
		<72,057 GPD	

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
1	.4924	4.43	130 x 165 x 9 ft	Compacted clay
2	.4924	4.43	130 x 165 x 9 ft	Compacted clay
3	.4924	4.43	130 x 165 x 9 ft	Compacted clay
4	.4924	4.43	130 x 165 x 9 ft	Compacted clay

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond. Attachment: G
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.
The site is protected from 100 year floodwaters due to site elevation and historical observations. Please see the Attachment H: FEMA Flood Area Discussion and map.
Provide the source used to determine the 100-year frequency flood level:
FEMA Flood Map 48503C0300E
Provide a description of tailwater controls and rainfall run-on controls used for the land application site.
None
FEMA Flood Map 48503C0300E Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

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**: <u>I</u>

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

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

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

- 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
See	Attachment K		Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	

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

Attachment: K

Section 7. Groundwater Quality (Instructions Page 69)

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

Attachment: <u>L</u>
Are groundwater monitoring wells available onsite? Yes No
Do you plan to install ground water monitoring wells or lysimeters around the land application site? \square Yes \boxtimes No
If \mathbf{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: M

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: N

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
Lincoln Sandy Loam	0	5.95 -19.98 in/hr	High-very high	(A) 68
Padgett Clay	0	0.00 - 0.06 in/hr	Very low to moderately low	(D) 89
Exray-Loving Complex	0	0.20 - 0.57 in/hr	Moderately low-high	(D) 89
Granfield Fine Sandy Loam	0	0.60 - 2.00 in/hr	Moderately high-high	(B) 79
Enterprise Very Fine Sandy Loam	0	1.98 - 5.67 in/hr	High	(A) 68

Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

⊠ Yes □ No

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

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

Table 3.0(5) - Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	рН	Chlorine Residual mg/l	Acres irrigated
June 2024	0.020	17	20	7.9	N/A	83
May 2024	0.032	28	55.5	8.9	N/A	83
April 2024	0.034	7	8	8.5	N/A	83
March 2024	0.032	26	44	8.7	N/A	83
February 2024	0.020	28	42.4	8.4	N/A	83
January 2024	0.029	45	46	8.4	N/A	83
December 2023	0.332	41	46.4	8.7	N/A	83
November 2023	0.269	31	36.8	8.8	N/A	83
October 2023	0.282	17	27.8	8.7	N/A	83
September 2023	0	28	30.5	8.9	N/A	83
August 2023	0	27	175	8.5	N/A	83
July 2023	0	28	80	8.9	N/A	83
June 2023	0	55	243	7.1	N/A	83
May 2023	0	44	87.3	8.4	N/A	83
April 2023	0.391	32	70.9	9.0	N/A	83
March 2023	0	32	90	8.7	N/A	83
February 2023	0.188	41	68	8.5	N/A	83
January 2023	0.201	39	64	8.5	N/A	83
December 2022	0.022	30	56	7.8	N/A	83
November 2022	0.015	44	-	8.5	N/A	83
October 2022	0.025	71	230	8.7	N/A	83
September 2022	0.015	59	240	8.9	N/A	83
August 2022	0.028	>351	240	7.4	N/A	83

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	рН	Chlorine Residual mg/l	Acres irrigated
July 2022	0	38	232	8.7	N/A	83
June 2022	0.045	18	178	9.0	N/A	83
May 2022	0.025	_	94	8.2	N/A	83
April 2022	0.029	_	105	8.7	N/A	83
March 2022	0.024	_	240	9.42	N/A	83
February 2022	0.024	_	102.7	9.47	N/A	83
January 2022	0.032	_	284	8.82	N/A	83

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: o

Average Daily Flows, in MGD: N/A

Significant IUs – non-categorical:

Number of IUs: o

Average Daily Flows, in MGD: N/A

Other IUs:

Number of IUs: o

Average Daily Flows, in MGD: N/A

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.

	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.
Se	ction 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

C. Treatment plant pass through

	ıbstantial modification	.3									
	here been any non-subs m that have not been su										
	□ Yes ⊠ No										
	identify all non-substaning the purpose of the n		nat have not been	submitted to TCEQ,							
N/A											
	nt parameters above th										
	le 6.0(1), list all parametring during the last thr										
		•	attacimient ii nece	:88a1 y .							
Pollutant	1) - Parameters Above the Concentra	T	Units	Date							
N/A											
N/A	N/A	N/A	N/A	N/A							
D. Indust	rial user interruptions										
Has an	rial user interruptions y SIU, CIU, or other IU or		, .								
Has an	y SIU, CIU, or other IU o		, .								
Has an interfe If yes,	y SIU, CIU, or other IU or rences or pass throughs	s) at your POTW in the	he past three years	s?							
Has an interfe If yes,	y SIU, CIU, or other IU or rences or pass throughs Yes ⊠ No identify the industry, d	s) at your POTW in the	he past three years	s?							
Has an interfe If yes, of the	y SIU, CIU, or other IU or rences or pass throughs Yes ⊠ No identify the industry, d	s) at your POTW in the	he past three years	s?							
Has an interfe If yes, of the	y SIU, CIU, or other IU or rences or pass throughs Yes ⊠ No identify the industry, d	s) at your POTW in the	he past three years	s?							
Has an interfe If yes, of the	y SIU, CIU, or other IU or rences or pass throughs Yes ⊠ No identify the industry, d	s) at your POTW in the	he past three years	s?							
Has an interfe If yes, of the	y SIU, CIU, or other IU or rences or pass throughs Yes ⊠ No identify the industry, d	s) at your POTW in the	he past three years	s?							

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
C.	Product and service information Provide a description of the principal product(s) or services performed.
C.	
C.	Provide a description of the principal product(s) or services performed.
C.	Provide a description of the principal product(s) or services performed.
C.	Provide a description of the principal product(s) or services performed.
C.	Provide a description of the principal product(s) or services performed.
C.	Provide a description of the principal product(s) or services performed.
	Provide a description of the principal product(s) or services performed. N/A
	Provide a description of the principal product(s) or services performed. N/A Flow rate information
	Provide a description of the principal product(s) or services performed. N/A Flow rate information See the Instructions for definitions of "process" and "non-process wastewater."
	Provide a description of the principal product(s) or services performed. N/A Flow rate information See the Instructions for definitions of "process" and "non-process wastewater." Process Wastewater:
	Provide a description of the principal product(s) or services performed. N/A Flow rate information See the Instructions for definitions of "process" and "non-process wastewater." Process Wastewater: Discharge, in gallons/day: N/A
	Provide a description of the principal product(s) or services performed. N/A Flow rate information See the Instructions for definitions of "process" and "non-process wastewater." Process Wastewater: Discharge, in gallons/day: N/A Discharge Type: Continuous Batch Intermittent
	Provide a description of the principal product(s) or services performed. N/A Flow rate information See the Instructions for definitions of "process" and "non-process wastewater." Process Wastewater: Discharge, in gallons/day: N/A Discharge Type: Continuous Batch Intermittent Non-Process Wastewater:
	Provide a description of the principal product(s) or services performed. N/A Flow rate information See the Instructions for definitions of "process" and "non-process wastewater." Process Wastewater: Discharge, in gallons/day: N/A Discharge Type: Continuous Batch Intermittent

E.	Pretreatment standards
	Is the SIU or CIU subject to technically based local limits as defined in the <i>i</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: N/A
	Click or tap here to enter text. N/A
	Category: N/A
	Subcategories: N/A
	Category: N/A
	Subcategories: N/A
	Category: N/A
	Subcategories: N/A
	Category: N/A
	Subcategories: N/A
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.
	N/A

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 Per	rmit, Regist	ration or Authorization	(Core Data	Form	should be	submit	ted wit	h the prog	gram a _l	oplication.)				
□ Renewa	l (Core Date	a Form should be subm	itted with th	ne ren	newal form)			Other					
2. Customer	Referenc	e Number (if issued)			Follow this									
CN 600335020				-	for CN or RN numbers in Central Registry** RN 101			10161	1770					
SECTIO	N II:	Customer	Info	<u>rm</u>	atior	<u>1</u>								
4. General C	ustomer I	nformation	5. Effect	ive D	Date for C	ustom	er Info	rmation	Updat	t es (mm/do	d/yyyy)			
☐ New Custo	□ New Customer □ Change in Regulated Entity Ownership													
☐Change in I	Legal Name	(Verifiable with the Te					nptrolle					cromp		
The Custome	or Namo s	uhmittad have men	ha undata	d	4	11 1								
		ubmitted here may coller of Public Accou			τοπατιται	iy bas	ea on	wnat is c	current	and activ	e with ti	ne Texas Sec	retary of State	
(505) 01 1010	us compti	oner of rubile Accor	ints (CPA).											
6. Customer	Legal Nar	ne (If an individual, pri	int last name	e first	t: eg: Doe, .	lohn)			<u>If ne</u>	w Customer	, enter pr	evious Custor	ner below:	
City of Newcas	stle													
7. TX SOS/CF	PA Filing N	lumber	8. TX Sta	te Ta	ax ID (11 d	igits)			9. Fe	deral Tax	ID	10. DUNS	Number (if	
N/A			17560006	225					(0 4:	-:4-1		applicable)		
			17300000	0235				(9 digits)		134921613	3			
									7560	00623				
11. Type of C	Customer:	Corpora	tion					Individ	dual	Partnership: General Limited			neral Limited	
Government:	City 🔲	County Federal	Local St	ate [Other			Sole P	roprieto	orship	Ot			
12. Number	of Employ	rees							13.1	ndepende	ntly Ow	ned and Op	erated?	
⋈ 0-20 □	21-100	□ 101-250 □ 251-	500 D.5	01										
□ 0-20 □	21-100 [300 <u> </u>	or ar	nd higher				Ye	es	⊠ No			
14. Custome	r Role (Pro	posed or Actual) – as i	t relates to t	the Re	egulated Er	ntity list	ted on t	his form.	Please	check one o	f the follo	wing		
Owner		Operator	\boxtimes	Own	er & Opera	tor				Other				
Occupation	al Licensee	Responsible Pa	rty [☐ vc	P/BSA App	licant				Other	•			
	PO Box 6	66												
15. Mailing														
Address:														
	City	Newcastle			State	TX		ZIP	7637	2		ZIP + 4		
16. Country N	Mailing In	formation (if outside	USA)		L.	l	17. E	-Mail Ac	ddress	(if applicab	le)			
N/A							cityo	fnewcastle	e@braz	osnet.com				
18. Telephon	18. Telephone Number 19. Extension or C				ode	ode 20. Fax Number (if applicable)								

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(940)846-354

0

(940) 846-3200

SECTION III: Regulated Entity Information

21. General Regulated E	ntity Inform	ation (If 'New Re	egulated Entity" is sei	lected, a new p	permit applica	ation is also r	eauired.)		
☐ 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 Newcastle									
23. Street Address of	City Office								
the Regulated Entity:	608 Broad	608 Broadway Ave							
(No PO Boxes)	City	Newcastle	State	TX	ZIP	76372		ZIP + 4	
24. County	Young		•			-			L.,
	·	If no Stre	et Address is prov	ided, fields 2	25-28 are re	quired.			
25. Description to			_						
Physical Location:	Plant Locat	ion: Approx 1.5 m	iles west of the inter	section of SH 2	251 and FM 9	26 in Young	County.		
26. Nearest City						State		Near	rest ZIP Code
Newcastle						TX		7637	2
Latitude/Longitude are re used to supply coordinate					ata Standa	rds. (Geoco	oding of the	Physical I	Address may be
27. Latitude (N) In Decima	al:			28. Le	ongitude (V	/) In Decim	al:	***************************************	***************************************
Degrees	Minutes		Seconds	Degre	es	Mir	nutes		Seconds
33		11	11		98		45		22
29. Primary SIC Code	30.	Secondary SIC	Code	31. Primary NAICS Code 32. Secondary NA					S Code
(4 digits)	(4 digits)			31. Primar	y NAICS Co	de	JE. Jecom	,	
	(10	igits)		(5 or 6 digit	-	de	(5 or 6 digit		
4952	(10	igits)			-	de			
4952 33. What is the Primary B			o not repeat the SIC o	(5 or 6 digit	- :s)	de			
			o not repeat the SIC o	(5 or 6 digit	- :s)	de			
33. What is the Primary B Municipal Operations			o not repeat the SIC o	(5 or 6 digit	- :s)	de			
33. What is the Primary B Municipal Operations 34. Mailing		his entity? (D	o not repeat the SIC o	(5 or 6 digit	- :s)	de			
33. What is the Primary B Municipal Operations	usiness of t	his entity? (D	o not repeat the SIC o	(5 or 6 digit	- :s)	76372			
33. What is the Primary B Municipal Operations 34. Mailing	PO Box 66	his entity? (D	State	(5 or 6 digit	iption.)			es)	
33. What is the Primary B Municipal Operations 34. Mailing Address:	PO Box 66	his entity? (D	State	(5 or 6 digit	iption.)	76372		ZIP + 4	
33. What is the Primary B Municipal Operations 34. Mailing Address: 35. E-Mail Address:	PO Box 66	his entity? (D	State nzosnet.com	(5 or 6 digit	zIP	76372	(5 or 6 digit	ZIP + 4	

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

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☐ Dam Safety		Districts	Edwards Aquifer		Emissions Inventory Air	☐ Industrial Hazardous Waste
Municipal Sol	id Waste	New Source Review Air	OSSF		Petroleum Storage Tank	☐ PWS
Sludge		Storm Water	☐ Title V Air	Е	Tires	Used Oil
☐ Voluntary Clea	anup	Wastewater	☐ Wastewater Agric	ulture	Water Rights	Other:
SECTION	IV: Pr	eparer Inf	<u>ormation</u>			
40. Name: C	orlett, Probst	& Boyd, PLLC		41. Title:	Engineer	
42. Telephone Nu	ımber	43. Ext./Code	44. Fax Number	45. E-Mail	Address	
(940) 723-1455			() -	jessica@cpl	pwf.com	
ECTION	V: Au	thorized S	ignature			
6. By my signature b	pelow, I certify	, to the best of my know	vledge, that the informat	ion provided in t equired for the u	his form is true and complet pdates to the ID numbers id	ee, and that I have signature authority entified in field 39.
submit this form o						
		robst & Boyd, PLLC		Job Title:	Professional Engineer	
Company: Name (In Print):					Professional Engineer Phone:	(940)723-1455

TCEQ-10400 (11/22)

TCEQ

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.

The City of Newcastle (CN 600335020) operates Wastewater Treatment Plant (RN 101611770), a pond system with an Imhoff tank, one stabilization pond, four storage ponds, and sludge drying beds. The facility is located at Approximately 1.5 miles west of the intersection of State HWY 251 and FM 926, in Newcastle, Young County, Texas 76372. This application is for the renewal to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.03 million gallons per day (MGD) via surface irrigation of 20 acres of non-public access range land in the Interim phase and 83 acres of non-public access range land in the final phase. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package.

Domestic wastewater is treated by pond system with an Imhoff tank, one stabilization pond, four storage ponds, and sludge drying beds.	

CONTRACT

STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF YOUNG

This contract is by and between the CITY OF NEWCASTLE and NEIL PHILLIPS and WETA PHILLIPS, of Young County, Texas. Came the parties to make the following agreement:

That the said **NEIL PHILLIPS** and **WETA PHILLIPS**, are the owners of a piece of property described as the South twenty (20) acres of the J.W. Peveler Survey, Abstract No. 222, Young County, Texas. That the **CITY OF NEWCASTLE** is the owner of a waste water treatment plant.

That this lease shall continue for a period of fifteen (15) years.

NEIL PHILLIPS and WETA PHILLIPS, hereby warrants that they are the owners of the above site.

Said NEIL PHILLIPS and WETA PHILLIPS, hereby agree to lease to the CITY OF NEWCASTLE the above described property solely for the purpose of the disposal of waste water. The CITY OF NEWCASTLE may dispose of the waste water on said land at their expense.

The CITY OF NEWCASTLE shall use the highest degree of care and all reasonable safeguards to prevent contamination or pollution of any environmental medium, including soil, surface waters, groundwater, and surface or subsurface strata, ambient air, or any other environmental medium in, on, or under the Premises, by any waste, pollutant, or contaminant. The CITY OF NEWCASTLE shall not bring or permit to remain on the Premises any asbestos containing materials, petroleum, explosives, toxic materials, or substances regulated as hazardous wastes, hazardous materials, hazardous substances, or toxic substances under any federal, state, or local law or regulation ("Hazardous Materials"), except ordinary products commonly used in connection with the Permitted Use and stored in the usual manner and quantities. The CITY OF NEWCASTLE'S violation of the foregoing prohibition shall constitute a material breach and default hereunder and the CITY OF NEWCASTLE shall indemnify, hold harmless and defend NEIL PHILLIPS and WETA PHILLIPS, from and against any claims, damages, penalties, liabilities, and costs (including reasonable attorney's fees and court costs) caused by or arising out of (i) a violation of the foregoing prohibition or (ii) the presence, release, or disposal of any Hazardous Materials on, under, or about the Premises during the CITY OF NEWCASTLE'S occupancy or control of the Premises. The CITY OF NEWCASTLE shall clean up, remove, remedy and repair any soil or ground water contamination and damage caused by the presence or release of any Hazardous Materials in, on, under or about the Premises during the CITY OF NEWCASTLE'S occupancy of the Premises in conformance with the requirements of applicable law. The CITY OF NEWCASTLE shall immediately give NEIL PHILLIPS and WETA PHILLIPS, written notice of any breach or suspected breach of this Paragraph, upon learning of the presence or any release of any Hazardous Materials, or upon receiving a notice from any governmental agency pertaining to Hazardous Materials which may affect the Premises. The obligations of the CITY OF NEWCASTLE shall survive the expiration or earlier termination, for any reason, of this Lease.

The **CITY OF NEWCASTLE** shall not be liable or responsible to **NEIL PHILLIPS** and **WETA PHILLIPS**, for any loss or damage to any property occasioned by theft, act of God,

P.003 PAGE 03/03

public enemy, injunction, riot, strike, insurrection, war, court order, requisition or order of any governmental body or authority or any similar matter. NEIL PHILLIPS and WETA PHILLIPS shall not be liable to the CITY OF NEWCASTLE, or to the CITY OF NEWCASTLE'S agents, servants, employees, customers, guests, or invitees and the CITY OF NEWCASTLE agrees to indemnify, defend and hold harmless NEIL PHILLIPS and WETA PHILLIPS from and against any and all fines, suits, claims, demands, losses, liabilities, actions, and costs, including, without limitation, court costs and attorneys' fees, arising any way, in whole or in part, from (i) any injury to person or damage to property caused by any act, omission, or neglect, or misconduct of the CITY OF NEWCASTLE'S agents, servants, employees, customers, guests, or invitees; (ii) any activity, work, or thing done, permitted or suffered by the CITY OF NEWCASTLE in or about the Premises; (iii) the CITY OF NEWCASTLE'S use of the Premises or the conduct of the CITY OF NEWCASTLE'S business; or (iv) any breach or default in the performance of any obligation on the CITY OF NEWCASTLE'S part to be performed under the terms of this Lease.

The following events shall be deemed to be events of default by the CITY OF NEWCASTLE under this Lease:

The CITY OF NEWCASTLE shall fail to comply with any other term, provision or covenant of this Lease within thirty (30) days after notice from NEIL PHILLIPS AND WETA PHILLIPS, to the CITY OF NEWCASTLE specifying wherein the CITY OF NEWCASTLE has failed to comply; provided, however, that if the nature of the CITY OF NEWCASTLE'S obligation is of such a nature that it cannot reasonably be cured within such 30-day period, the CITY OF NEWCASTLE commences curing such failure within such 30-day period and diligently prosecutes same to completion;

Upon occurrence of any event of default by the CITY OF NEWCASTLE, NEIL PHILLIPS and WETA PHILLIPS, may enforce the provisions of this Lease in any manner provided by law or in equity, including, without limitation, any one or more of the following, in each case, without further notice or demand whatsoever:

At NEIL PHILLIPS and WETA PHILLIPS', option, NEIL PHILLIPS and WETA PHILLIPS, may terminate this Lease and re-enter upon Premises and, in such event, the CITY OF NEWCASTLE shall immediately surrender the Premises to NEIL PHILLIPS and WETA PHILLIPS. If the CITY OF NEWCASTLE fails to immediately surrender the Premises, NEIL PHILLIPS and WETA PHILLIPS, may enter upon and take possession of the Premises by any lawful means, and lock out, expel, or remove the CITY OF NEWCASTLE without being guilty of nay manner or trespass, without liability for any damage or loss of occasioned thereby, and without prejudice to any remedies available to NEIL PHILLIPS and WETA PHILLIPS, for possession of the Premises, collection of amounts due, breach of contract, or otherwise.

Executed this the **10** of December, 2013

TEPHEN SOSINSKI

NEIL PHILLIPS

WETA PHILLIPS



CONTRACT

STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF YOUNG

This contract is by and between the CITY OF NEWCASTLE and NEIL PHILLIPS and WETA PHILLIPS, of Young County, Texas. Came the parties to make the following agreement:

That the said **Neil Phillips** and **Weta Phillips** are the owners of a piece of property described as a portion of the J M Peveler Survey, Abstract 222, and a portion of the W R Peveler Survey, Abstract 223, and containing 63 acres more or less, as noted on the attached exhibit. That the **City of Newcastle** is the owner of a waster water treatment plant.

That this lease shall continue for a period of six (6) years.

NEIL PHILLIPS and **WETA PHILLIPS**, hereby warrants that they are the owners of the above site.

Said **NEIL PHILLIPS** and **WETA PHILLIPS**, hereby agree to lease to the **CITY OF NEWCASTLE** the above described property solely for the purpose of the disposal of waste water.
The **CITY OF NEWCASTLE** may dispose of the waste water on said land at their expense.

The CITY OF NEWCASTLE shall use the highest degree of care and all reasonable safeguards to prevent contamination or pollution of any environmental medium, including soil, surface waters, groundwater, and surface or subsurface strata, ambient air, or any other environmental medium in, on, or under the Premises, by any waste, pollutant, or contaminant. The CITY OF NEWCASTLE shall not bring or permit to remain on the Premises any asbestos containing materials, petroleum, explosives, toxic materials, or substances regulated as hazardous wastes, hazardous materials, hazardous substances, or toxic substances under any federal, state, or local law or regulation ("Hazardous Materials"), except ordinary products commonly used in connection with the Permitted Use and stored in the usual manner and quantities. The CITY OF NEWCASTLE'S violation of the foregoing prohibition shall constitute a material breach and default hereunder and the CITY OF NEWCASTLE shall indemnify, hold harmless and defend NEIL PHILLIPS and WETA PHILLIPS, from and against any claims, damages, penalties, liabilities, and costs (including reasonable attorney's fees and court costs) caused by or arising out of (i) a violation of the foregoing prohibition or (ii) the presence, release. or disposal of any Hazardous Materials on, under, or about the Premises during the CITY OF NEWCASTLE'S occupancy or control of the Premises. The CITY OF NEWCASTLE shall clean up, remove, remedy and repair any soil or ground water contamination and damage caused by the presence or release of any Hazardous Materials in, on, under or about the Premises during the CITY OF NEWCASTLE'S occupancy of the Premises in conformance with the requirements of applicable law. The CITY OF NEWCASTLE shall immediately give NEIL PHILLIPS and WETA PHILLIPS, written notice of any breach or suspected breach of this Paragraph, upon learning of the presence or any release of any Hazardous Materials, or upon receiving a notice from any governmental agency pertaining to Hazardous Materials which may affect the Premises. The obligations of the CITY OF NEWCASTLE shall survive the expiration or earlier termination, for any reason, of this Lease.

The CITY OF NEWCASTLE shall not be liable or responsible to NEIL PHILLIPS and WETA PHILLIPS, for any loss or damage to any property occasioned by theft, act of God,

public enemy, injunction, riot, strike, insurrection, war, court order, requisition or order of any governmental body or authority or any similar matter. NEIL PHILLIPS and WETA PHILLIPS shall not be liable to the CITY OF NEWCASTLE, or to the CITY OF NEWCASTLE'S agents, servants, employees, customers, guests, or invitees and the CITY OF NEWCASTLE agrees to indemnify, defend and hold harmless NEIL PHILLIPS and WETA PHILLIPS from and against any and all fines, suits, claims, demands, losses, liabilities, actions, and costs, including, without limitation, court costs and attorneys' fees, arising any way, in whole or in part, from (i) any injury to person or damage to property caused by any act, omission, or neglect, or misconduct of the CITY OF NEWCASTLE'S agents, servants, employees, customers, guests, or invitees; (ii) any activity, work, or thing done, permitted or suffered by the CITY OF NEWCASTLE in or about the Premises; (iii) the CITY OF NEWCASTLE'S use of the Premises or the conduct of the CITY OF NEWCASTLE'S business; or (iv) any breach or default in the performance of any obligation on the CITY OF NEWCASTLE'S part to be performed under the terms of this Lease.

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Upon occurrence of any event of default by the CITY OF NEWCASTLE, NEIL PHILLIPS and WETA PHILLIPS, may enforce the provisions of this Lease in any manner provided by law or in equity, including, without limitation, any one or more of the following, in each case, without further notice or demand whatsoever:

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Executed this the Of December, 2018

Neil Phillips

Heta Phillips

Weta Phillips

City of Newcastle

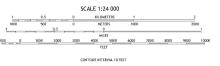
Gina Maxwell

new irrigation acreage 1" - 500'



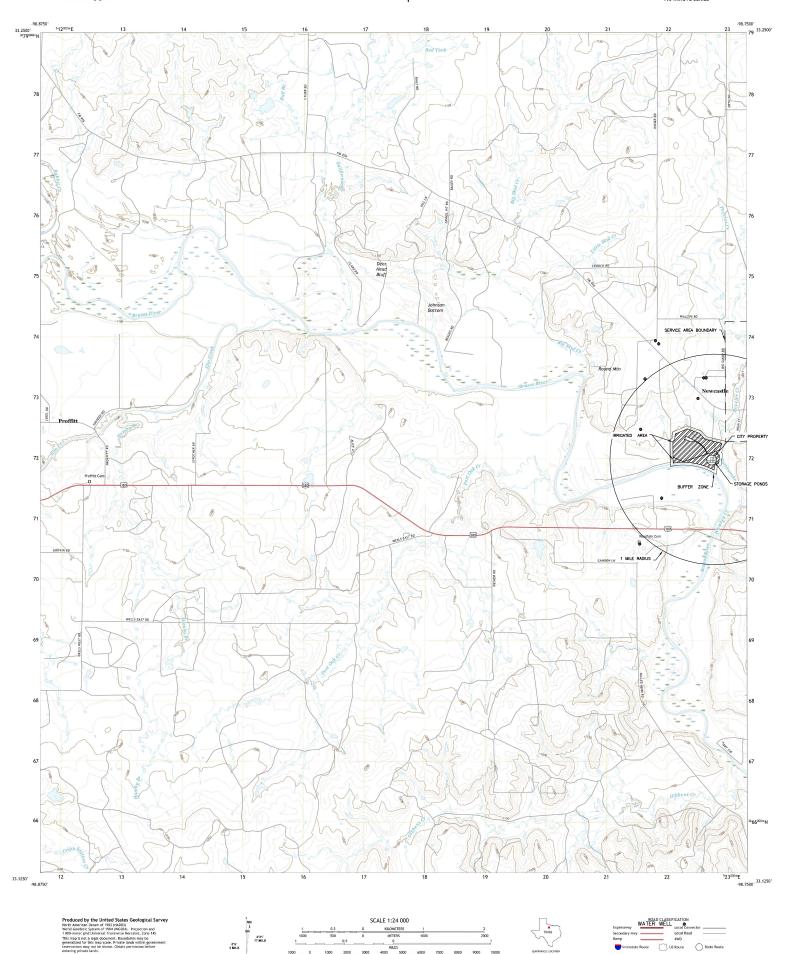












U.S. National Grid 100,000 - m Square D

5/25/2005

TEXOMA ENGINEERING SERVICES L.L.C.

P.O. Box 8512, Wichita Falls, TX, 76307 Voice (940)761-2284 Fax (940)761-5565

FAX Transmission

1 of Page

From: J. Don Johnston, PE

Date:

President

Corlett, Probst, & Boyd To: Company:

> Attention: Dean Hinton

FAX #: 397-0549

Message:

Confidentiality Note

The information contained in this fax message is legally privileged and confidential information intended for the use of the individual or entity named above. If the reader of this message is not the intended recipient you are hereby notified that any dissemination, distribution, or copying is strictly prohibited. If you have received this fax in error please notify us immediately at the phone number listed above and return the original message to us via U.S. postal service.



TEXOMA ENGINEERING SERVICES 2222 SHEPPARD ACCESS RD. WICHITA FALLS, TX 76306

May 12, 2005

Corlett, Probst, & Boyd 4605 Jacksboro Hwy. Wichita Falls, TX 76302

RE: Pond #3 S-1504

West Side of Pond #3 S-1505

Per your request, Texoma Engineering Services tested the soil samples delivered to our office. The samples were marked with our Lab numbers S-1404 and S-1505. The samples were visually classified and tested for Atterberg Limits, Liquid Limit, Plastic Limit and PI, in accordance with ASTM D-4318-98. Results of the tests are tabulated below.

Sample ID#	\$-1504	S-1505
Description	CL lean clay	CL lean clay
Liquid Limit - LL	41	44
Plastic Limit – PL	19	19
Plasticity Index - Pl	22	25
Passing #200	93%	97%

If you have any questions or need anything further, please call our office at 761-2284.

Respectfull

resident

NOTES TO USERS

use in administering the National Flood Insurance Program. It arily identify all areas subject to flooding, particularly from local i of small size. The community map repository should be sable updated or additional flood hazard information.

detailed information in areas where Base Flood Elevations sodways have been determined, users are encouraged to consult and Floodway Data and/or Summary of Sillwater Elevations within the Flood Insurance Study (PIS) report that accompanies within the Flood Insurance Study (PIS) report that accompanies within the Flood Insurance Study (PIS) report that accompanies within the Flood Insurance only and should not be used as the sole source of flood tool elevations. These BFEs are intended for flood insurance only and should not be used as the sole source of flood flood in Accordingly, flood elevation data presented in the FIS be utilized in conjunction with the FIFM for purposes of of floodplain management.

Flood Elevations shown on this map apply only landward American Vertical Datum of 1988 (NAVD 89). Users of this waver that coastal flood elevations are also provided in the literature literature is table in the Flood Insurance Study report in Elevations shown in the Summary of Sollwater Elevations used for construction and/or floodplain management purposes giper than the elevations shown on this FRM.

floodways were computed at cross sections and interpolated ections. The floodways were based on hydraulic considerations quirements of the National Flood Insurance Program. Floodway or pertinent Soodway data are provided in the Flood Insurance this jurisdiction.

t in Special Flood Hazard Areas may be protected by **flood** es. Refer to Section 2.4 "Flood Protection Measures" of unce Study report for information on flood control structures

used in the preparation of this map was Texas State rat zone (FIPSZONE 4202). The horizontal datum was NAD83, old. Differences in datum, spheroid, projection or State Plane re production of FIRMs for adjacent jurisdictions may result in differences in map features across jurisdiction boundaries, so not affect the accuracy of the FIRM.

on this map are referenced to the North American Vertical These flood elevations must be compared to structure and so referenced to the same vertical datum. For information not not between the National Geodetic Vertical Datum of 1929 American Vertical Datum of 1989, west the National Geodetic at http://www.nga.noaa.gov/ or contact the National Geodetic Conting address:

Survey

elevation, description, and/or location information for **bench marks** map, please contact the Information Services Branch of the tic Survey at (301) 713–3242, or visit its website at aa.gov/.

ation shown on this FIRM was derived from multiple sources in e US Geological Survey, National Geodetic Survey, Texas is Information System, the Federal Emergency Management Agency, egional Planning Commission.

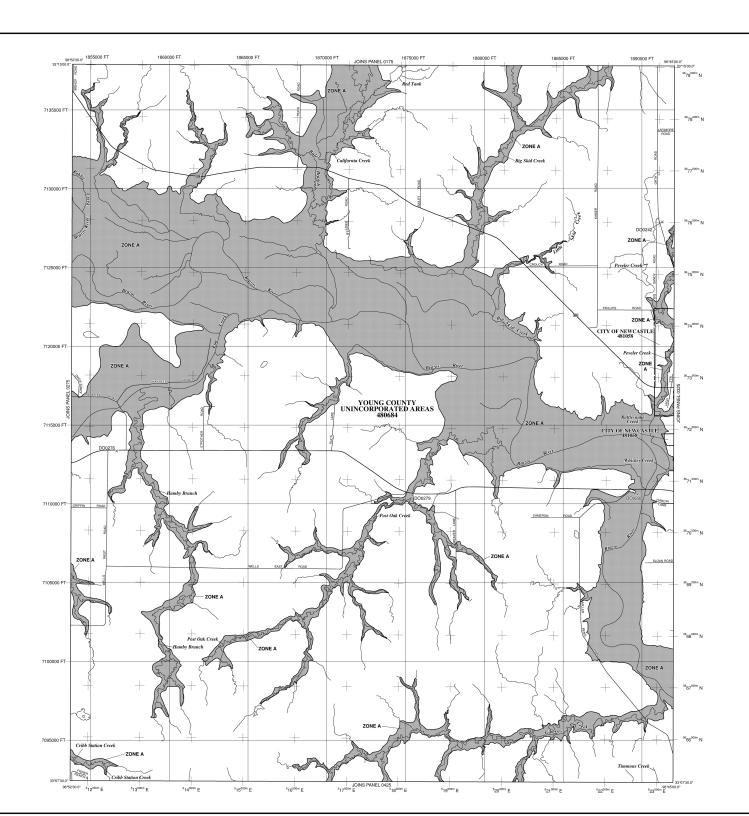
more detailed and up-to-date stream channel configurations on the previous FIRM for this jurisdiction. The floodplains that were transferred from the previous FIRM may have been form to these new stream channel configurations. As a 19 Profiles and Floodway Data tables in the Flood Insurance inch contains authoritative hydraulic data) may reflect stream that differ from what is shown on this map.

s shown on this map are based on the best data available blication. Because changes due to annexations or de-annexations rred after this map was published, map users should contact numity officials to verify current corporate limit locations.

he separately printed **Map Index** for an overview map of the fle layout of map panels; community map repository addresses. Communities table containing National Flood insurance Program community as well as a listing of the panels on which each ated.

AM Map Service Center at 1-800-358-9516 for information on ts associated with this FIRM. Available products may include of Letters of Map Change, a Flood insurance Study respect, sions of this map. The FEMA Map Service Center may also be at 1-800-358-9620 and its website at http://www.msc.fema.gov.

estions about this map or questions concerning the National Program in general, please call 1-877-FEMA MAP (1-877-336-2627 A website at http://www.fema.gov/.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD annual chance flood (100-year flood), also income as the base flood, is the flood is 1% chance of being equaled or exceeded in any given year. The Speakard Area is the area subject to flooding by the 1% annual chance flood. Areas slid Flood Hazard include Zones A, AE, AH, AO, AR, AS, V and VE. The Base readon is the water surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined

Base Flood Elevations determined.
Flood depths of 1 to 3 feet (usually areas of ponding); Base Floor determined.

ZONE AO

also determined. Special Flood Hazard Area formerly protected from the 1% annua chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or ZONE A99

ZONE VE

11/1/ FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS ZONE X

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain Areas in which flood hazards are undetermined, but possible.

777777 COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Are

CBRS and OPA boundary Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Base Flood Elevation line and value: elevation in feet* (EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

(A)-**A**

⁴²75^{000™}N

6000000 FT

23-----23 Transect line Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) 97'07'30", 32"22'30"

1000-meter Universal Transverse Mercator grid ticks, zone 14 5000-foot grid values: Texas State Plane coordinate system, north central zone (FIPSZONE 4202), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel) DX5510

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
July 18, 2011 – to update corporate limits, to advance suffix, to update map format, to add
mads and road names, and to incorporate previously issued Letters of Map Revision.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 2000'

4000 FEET

FIRM FLOOD INSURANCE RATE MAP YOUNG COUNTY.

PANEL 0300E

TEXAS AND INCORPORATED AREAS

PANEL 300 OF 625

CONTAINS: NUMBER PANEL SUFFIX

COMMUNITY 480684 0300 E 481058 0300 E



MAP REVISED JULY 18, 2011

MAP NUMBER

Federal Emergency Management Agency

National Flood Hazard Layer FIRMette

FEMA Legend SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD **HAZARD AREAS** Regulatory Floodway CITY OF NEWCASTLE 0.2% Annual Chance Flood Hazard, Areas 481058 of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLI Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** ₩ 513 W Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER Profile Baseline **FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available Unmapped

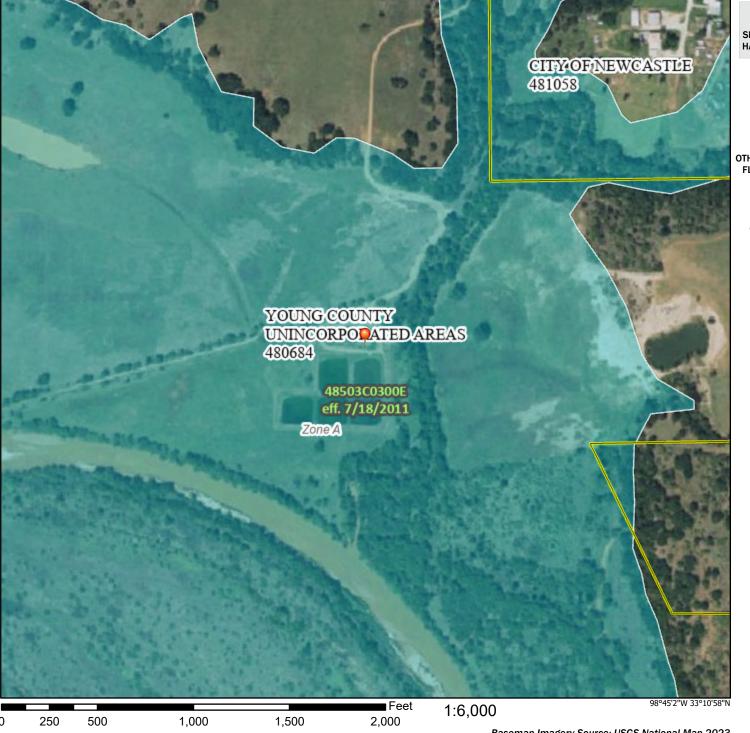
MAP PANELS

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/10/2024 at 1:55 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

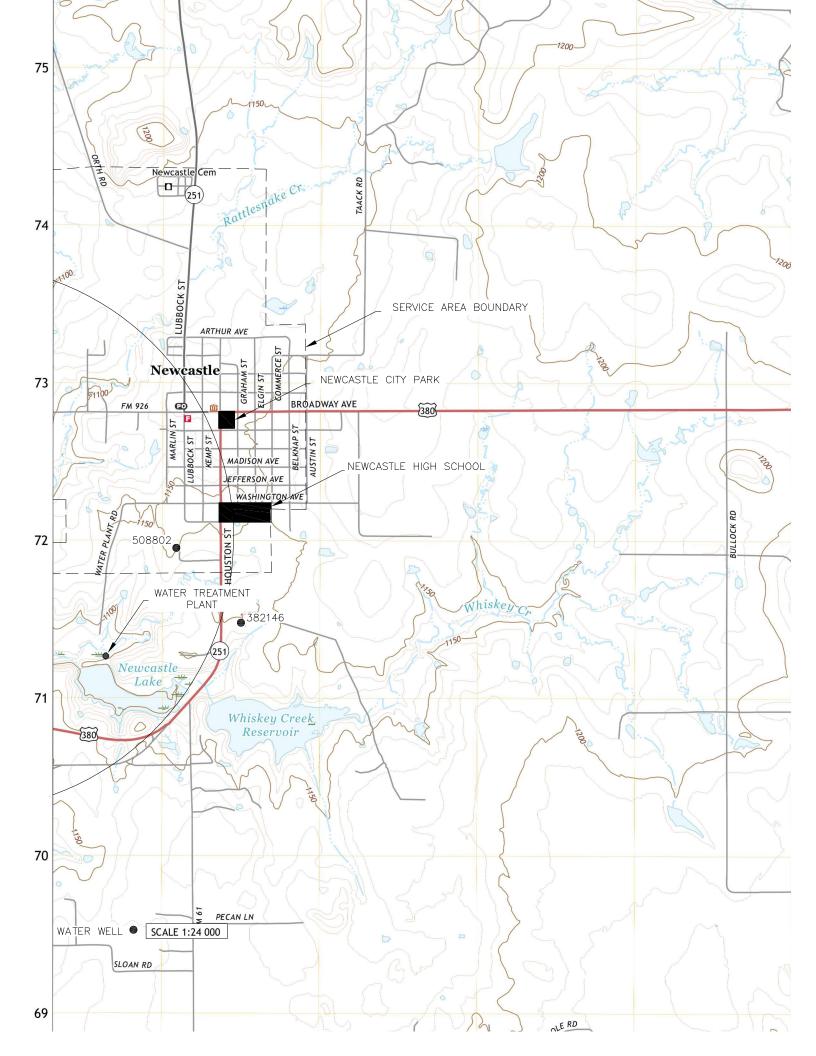


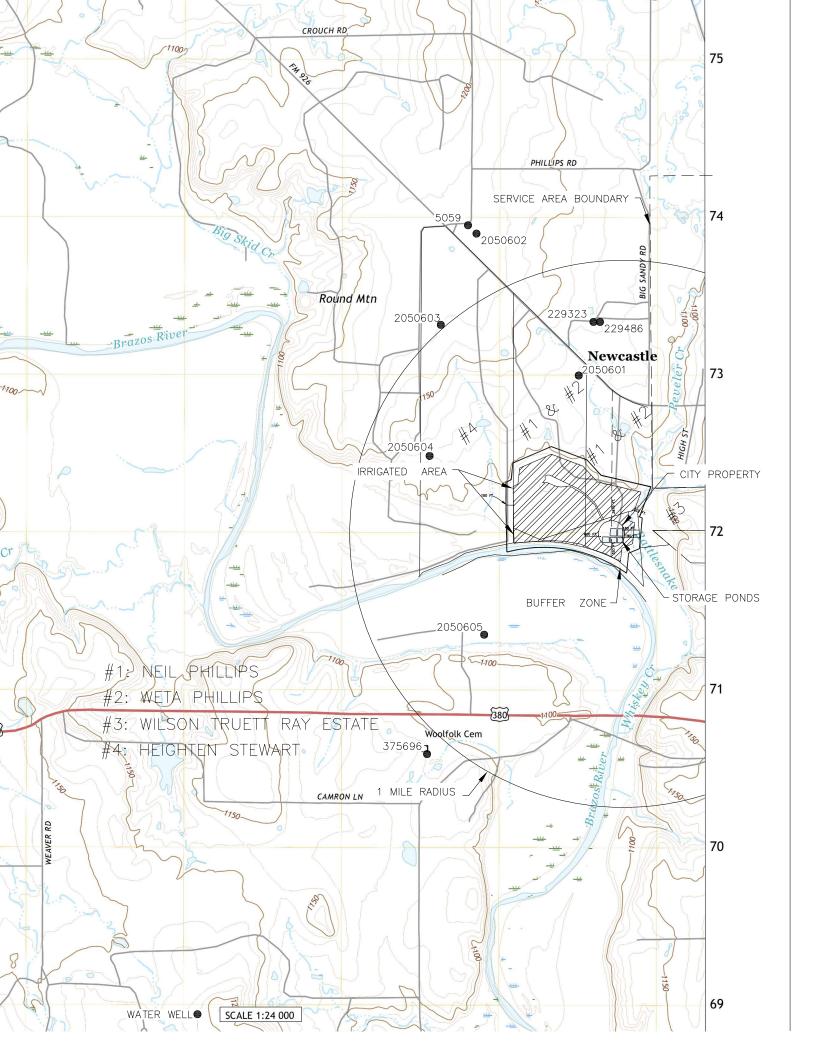
Cropping Plan

City of Newcastle- WQ0010647-003

- 1. Soils Map with Crops
 See Attachment M. Native grasses are growing in this location
- 2. Cool and warm season plant species Native vegetation
- 3. Crop yield goals None
- 4. Crop growing season Year round
- 5. Crop nutrient requirements
 None
- 6. Additional fertilizer requirements
 None
- 7. Min/Max harvest height None
- 8. Supplemental watering requirements None
- 9. Crop salt tolerances Native grass: 8-12 millimhos/cm
- 10. Harvesting method/number of harvests No harvests
- 11. Justification for not removing existing vegetation to be harvested

 Based on the on the average influent organic strength at 200 mg/L and the permitted flow rate of at .06 MGD, calculations in the water balance and nitrogen balance show that nutrient quantities are insufficient to cause buildup.





Attachment K

Table 3.0(3) - Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
2050605	Domestic	Y	open	Maintain a buffer distance of
				at least 150 feet from
				irrigation fields and
2050604	Stock	Y	open	Maintain a buffer distance of
				at least 150 feet from
				irrigation fields and
2050603	Unused	N	open	Maintain a buffer distance of
				at least 150 feet from
				irrigation fields and
2050601	Domestic	Y	open	Maintain a buffer distance of
				at least 150 feet from
205000	D	T 7		irrigation fields and
2050602	Domestic	Y	open	Maintain a buffer distance of
				at least 150 feet from
5050	Daniella	T 7		irrigation fields and
5059	Domestic	Y	open	Maintain a buffer distance of
				at least 150 feet from irrigation fields and
229323	Domestic	Y	onon	Maintain a buffer distance of
229323	Domestic	1	open	at least 150 feet from
				irrigation fields and
229486	Irrigation	Y	open	Maintain a buffer distance of
229460	IIIIgation	1	open	at least 150 feet from
				irrigation fields and
375696	Domestic	Y	open	Maintain a buffer distance of
37 3030	Domestic	1	орси	at least 150 feet from
				irrigation fields and
508802	Domestic	Y	open	Maintain a buffer distance of
			o p cm	at least 150 feet from
				irrigation fields and
382146	Stock	Y	open	Maintain a buffer distance of
	- 12 2-1		- T ₂	at least 150 feet from
				irrigation fields and



Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 20-50-601



GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	2050601
County	Young
•	
River Basin	Brazos
Groundwater Management Area	6
Regional Water Planning Area	G - Brazos G
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	33.195834
Latitude (degrees minutes seconds)	33° 11' 45" N
Longitude (decimal degrees)	-98.759723
Longitude (degrees minutes seconds)	098° 45' 35" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	319PUBL - Pueblo Formation
Aquifer	Cross Timbers
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1128
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	112
Well Depth Source	Memory of Owner
Drilling Start Date	
Drilling End Date	0/0/1940
Drilling Method	
Borehole Completion	

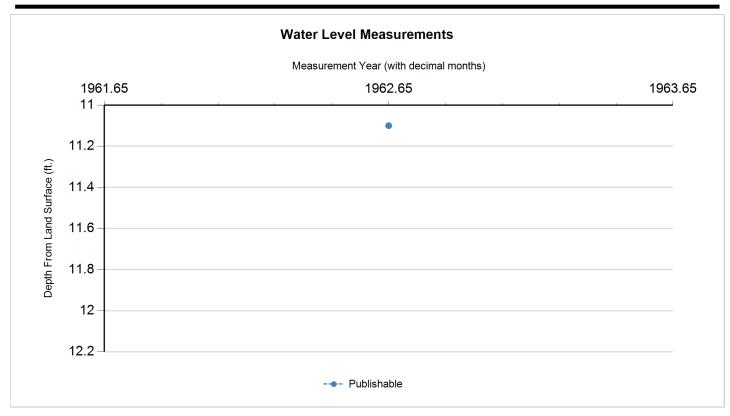
Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Piston
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Lola Remington
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	8/27/1962
Last Update Date	3/4/2020

Remarks Casing Diameter (in.) Casing Type **Casing Material** Schedule Gauge Top Depth (ft.) Bottom Depth (ft.) 5 Blank Other Metal 0 112 Well Tests - No Data Lithology - No Data Annular Seal Range - No Data Plugged Back - No Data Borehole - No Data Filter Pack - No Data Packers - No Data



Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 20-50-601





Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Р	8/27/1962		11.1		1116.9	1	Other or Source of Measurement Unknown	Unknown		

Code Descriptions

Status Code		Status Description		
Р		Publishable		



Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 20-50-601



Water Quality Analysis

Sample Date: 8/27/1962 Sample Time: 0000 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Pueblo Formation

Analyzed Lab: Texas Department of Health Reliability: From well not sufficiently pumped; not filtered or preserved

Collection Remarks: pressure tank

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		792	mg/L as CACO 3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		966.51	mg/L	
00910	CALCIUM (MG/L)		21	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		60	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		4.5	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		278	mg/L as CACO 3	
00920	MAGNESIUM (MG/L)		55	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		5.8	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		8	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		10.27		
00955	SILICA, DISSOLVED (MG/L AS SI02)		29	mg/L as SIO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		8.21		
00932	SODIUM, CALCULATED, PERCENT		71	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		315	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1800	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		95	mg/L as SO4	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		1060	mg/L	

^{*} Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

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GWDB Reports and Downloads

Well Basic Details

Scanned Documents

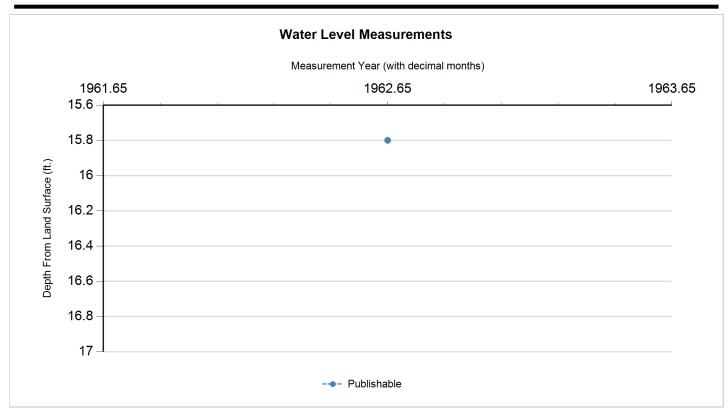
State Well Number	2050602
County	Young
River Basin	Brazos
Groundwater Management Area	6
Regional Water Planning Area	G - Brazos G
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	33.203334
Latitude (degrees minutes seconds)	33° 12' 12" N
Longitude (decimal degrees)	-98.765556
Longitude (degrees minutes seconds)	098° 45' 56" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	319PUBL - Pueblo Formation
Aquifer	Cross Timbers
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1174
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	52
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1900
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Mrs. Jeff Barnett
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	8/27/1962
Last Update Date	3/4/2020

Remarks Casing Diameter (in.) Casing Type **Casing Material** Schedule Gauge Top Depth (ft.) Bottom Depth (ft.) 5 Blank Other Metal 0 52 Well Tests - No Data Lithology - No Data Annular Seal Range - No Data Plugged Back - No Data Borehole - No Data Filter Pack - No Data Packers - No Data







Status Code	Date	Time	Water Level (ft. below land surface)	indicates vice	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Р	8/27/1962		15.8		1158.2	1	Other or Source of Measurement Unknown	Unknown		

Code Descriptions

Status Code	Status Description
Р	Publishable





Water Quality Analysis

Sample Date: 8/27/1962 Sample Time: 0000 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Pueblo Formation

Analyzed Lab: Texas Department of Health Reliability: Collected from pumped well, but not filtered or preserved

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		433	mg/L as CACO 3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		528.41	mg/L	
00910	CALCIUM (MG/L)		72	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.2	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		348	mg/L as CACO 3	
00920	MAGNESIUM (MG/L)		41	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		40	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		7.6	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.69		
00955	SILICA, DISSOLVED (MG/L AS SI02)		27	mg/L as SIO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.73		
00932	SODIUM, CALCULATED, PERCENT		42	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		117	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1188	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		61	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		23	С	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		669	mg/L	

^{*} Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

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Well Basic Details

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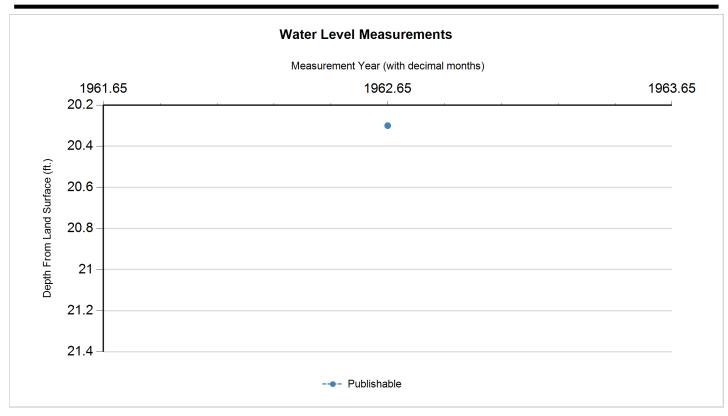
01-1-14/-11 November	0050000
State Well Number	2050603
County	Young
River Basin	Brazos
Groundwater Management Area	6
Regional Water Planning Area	G - Brazos G
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	33.197222
Latitude (degrees minutes seconds)	33° 11' 50" N
Longitude (decimal degrees)	-98.769722
Longitude (degrees minutes seconds)	098° 46' 11" W
Coordinate Source	+/- 1 Second
Aquifer Code	319PUBL - Pueblo Formation
Aquifer	Cross Timbers
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1171
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	110
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1900
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Piston
Pump Depth (feet below land surface)	
Power Type	Windmill
Annular Seal Method	
Surface Completion	
Owner	Mrs. Jeff Barnett
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	3/21/1991
Last Update Date	3/4/2020

Remarks Uni	used stock well.					
Casing						
Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
5	Blank	Other Metal				0 110
Well Tests -	No Data					
Lithology - I	No Data					
Annular Sea	l Range - No D)ata				
Borehole - No Data Plugged Back - No Data						
Filter Pack - No Data				Pack	ers - No Data	







Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Р	8/27/1962		20.3		1150.7	1	Other or Source of Measurement Unknown	Unknown		

Code Descriptions

Status Code	Status Description
Р	Publishable





Water Quality Analysis

Sample Date: 8/27/1962 Sample Time: 0000 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Pueblo Formation

Analyzed Lab: Texas Department of Health Reliability: Collected from pumped well, but not filtered or preserved

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		359	mg/L as CACO 3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		438.1	mg/L	
00910	CALCIUM (MG/L)		53	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		655	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		259	mg/L as CACO 3	
00920	MAGNESIUM (MG/L)		31	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		4.2	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		1.98		
00955	SILICA, DISSOLVED (MG/L AS SI02)		13	mg/L as SIO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		16.73		
00932	SODIUM, CALCULATED, PERCENT		83	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		620	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		3630	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		317	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		24	С	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		1909	mg/L	

^{*} Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

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GWDB Reports and Downloads

Well Basic Details

Scanned Documents

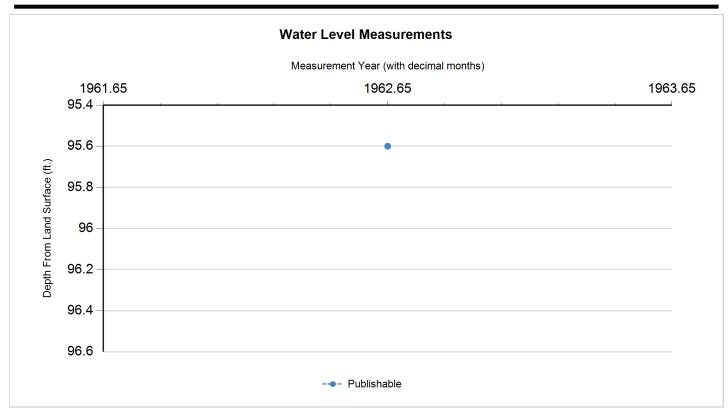
State Well Number	2050604
County	Young
River Basin	Brazos
Groundwater Management Area	6
Regional Water Planning Area	G - Brazos G
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	33.192222
Latitude (degrees minutes seconds)	33° 11' 32" N
Longitude (decimal degrees)	-98.769722
Longitude (degrees minutes seconds)	098° 46' 11" W
Coordinate Source	+/- 1 Second
Aquifer Code	321HPVL - Harpersville Formation
Aquifer	Cross Timbers
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1140
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	120
Well Depth Source	Memory of Owner
Drilling Start Date	
Drilling End Date	0/0/1950
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Stock
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	B-7 Ranch Foxworth Est.
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	3/21/1991
Last Update Date	3/4/2020

Remarks Well drilled to 120 ft. Reported sanded up to 95 ft. Casing Diameter (in.) Casing Type **Casing Material** Schedule Gauge Top Depth (ft.) Bottom Depth (ft.) Steel 5 Blank 0 95 Well Tests - No Data Lithology - No Data Annular Seal Range - No Data Borehole - No Data Plugged Back - No Data Filter Pack - No Data Packers - No Data







Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Р	8/27/1962		95.6		1044.4	1	Other or Source of Measurement Unknown	Unknown		

Code Descriptions

Status Code	Status Description
Р	Publishable





Water Quality Analysis

Sample Date: 8/27/1962 Sample Time: 0000 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Harpersville Formation

Analyzed Lab: Texas Department of Health Reliability: Collected from pumped well, but not filtered or preserved

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		363	mg/L as CACO 3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		442.99	mg/L	
00910	CALCIUM (MG/L)		46	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		64	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.7	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		209	mg/L as CACO 3	
00920	MAGNESIUM (MG/L)		23	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		37	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		7.8	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		3.07		
00955	SILICA, DISSOLVED (MG/L AS SI02)		17	mg/L as SIO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		5.02		
00932	SODIUM, CALCULATED, PERCENT		63	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		167	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1140	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		69	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		22	С	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		642	mg/L	





Water Quality Analysis

Sample Date: 3/21/1991 Sample Time: 1002 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Harpersville Formation

Analyzed Lab: Texas Department of Health Reliability: Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code			Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		330	mg/L as CACO 3	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	336	mg/L as CACO 3		
01503	ALPHA, DISSOLVED (PC/L)		7.9	PC/L	1.3
01005	BARIUM, DISSOLVED (UG/L AS BA)		21	ug/L	
03503	BETA, DISSOLVED (PC/L)		11	PC/L	8
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		410.04	mg/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		2.91	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	10	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		56	mg/L	
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	<	1	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)	0	mg/L		
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		712	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.66	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		236	mg/L as CACO 3	
01046	IRON, DISSOLVED (UG/L AS FE)		2710	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		23	mg/L	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		0.05	mg/L as N	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0.22	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		7.46	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		9.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		2.03		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		17.42		
00932	SODIUM, CALCULATED, PERCENT		85	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		613	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		2740	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		1610	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		290	mg/L as SO4	





Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00010	TEMPERATURE, WATER (CELSIUS)		22	С	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		1908	mg/L	

^{*} Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

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GWDB Reports and Downloads

Well Basic Details

Scanned Documents

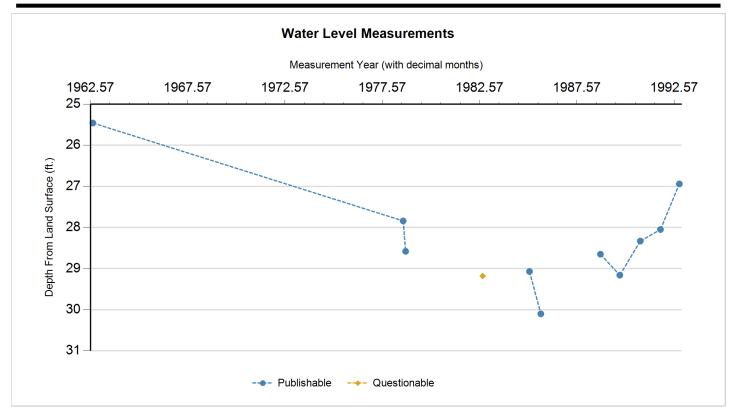
	1
State Well Number	2050605
County	Young
River Basin	Brazos
Groundwater Management Area	6
Regional Water Planning Area	G - Brazos G
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	33.179167
Latitude (degrees minutes seconds)	33° 10' 45" N
Longitude (decimal degrees)	-98.765834
Longitude (degrees minutes seconds)	098° 45' 57" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	100ALVM - Alluvium
Aquifer	Other
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1100
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	35
Well Depth Source	Person Other than Owner
Drilling Start Date	
Drilling End Date	0/0/1900
Drilling Method	Dug
Borehole Completion	Straight Wall

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Historical
Water Quality Available	Yes
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	M. J. Phillips
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	10/4/1993
Last Update Date	3/4/2020

Remarks His	torical observation	well.				
Casing						
Diameter (in.)	Casing Type	Casing Material	Sched	ıle Gauge	Top Depth (ft.)	Bottom Depth (ft.)
36	Blank	Rock or Stone				
Well Tests -	No Data					
Lithology - N	lo Data					
Annular Sea	I Range - No D	Pata				
Borehole - N	lo Data			Plugged Back - No	Data	
Filter Pack -	No Data			Pac	kers - No Data	







Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
Р	9/13/1962		25.46		1074.54	1	Texas Water Development Board	Steel Tape		
Р	8/23/1978		27.84	2.38	1072.16	1	Texas Water Development Board	Steel Tape		
Р	10/9/1978		28.58	0.74	1071.42	1	Texas Water Development Board	Steel Tape		
Χ	11/18/1981					1	Texas Water Development Board		31	
Q	9/24/1982		29.18		1070.82	1	Texas Water Development Board	Steel Tape	12	
Χ	10/20/1983					1	Texas Water Development Board		30	
Р	2/17/1985		29.07		1070.93	1	Texas Water Development Board	Steel Tape		
Р	9/20/1985		30.1	1.03	1069.9	1	Texas Water Development Board	Steel Tape		
Χ	10/21/1987					1	Texas Water Development Board		37	
Р	10/13/1988		28.65		1071.35	1	Texas Water Development Board	Steel Tape		
Р	10/11/1989		29.16	0.51	1070.84	1	Texas Water Development Board	Steel Tape		
Р	10/31/1990		28.33	(0.83)	1071.67	1	Texas Water Development Board	Steel Tape		
Р	11/14/1991		28.05	(0.28)	1071.95	1	Texas Water Development Board	Steel Tape		
Р	11/3/1992		26.94	(1.11)	1073.06	1	Texas Water Development Board	Steel Tape		





Code Descriptions

Status Code	Status Description
P	Publishable
Q	Questionable
Χ	No Measurement

Remark ID	Remark Description
12	Uncertain of reason for questionable measurement
30	Well temporarily inaccessible due to impassable roads, locked gate, etc.
31	Well temporarily inaccessible due to vicious animals
37	No measurement due to admin decision





Water Quality Analysis

Sample Date: 9/13/1962 Sample Time: 0000 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Alluvium

Analyzed Lab: Texas Department of Health Reliability: Collected from pumped well, but not filtered or preserved

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		358	mg/L as CACO 3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		436.88	mg/L	
00910	CALCIUM (MG/L)		26	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		7	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.7	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		365	mg/L as CACO 3	
00920	MAGNESIUM (MG/L)		73	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		33	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		13	mg/L as SIO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.73		
00932	SODIUM, CALCULATED, PERCENT		16	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		32	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		808	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		42	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		27	С	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		442	mg/L	





Water Quality Analysis

Sample Date: 8/23/1978 Sample Time: 0000 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Alluvium

Analyzed Lab: Texas Department of Health Reliability: From well not sufficiently pumped; not filtered or preserved

Collection Remarks: No Data

Parameter Code	Parameter Description		Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		443	mg/L as CACO 3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		540.61	mg/L	
00910	CALCIUM (MG/L)		98	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		149	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.1	mg/L	
00900			586	mg/L as CACO 3	
00920	MAGNESIUM (MG/L)		83	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		19	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		7.7	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		14	mg/L as SIO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.35		
00932	SODIUM, CALCULATED, PERCENT		32	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		131	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1856	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		201	mg/L as SO4	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		961	mg/L	





Water Quality Analysis

Sample Date: 8/10/1982 Sample Time: 0000 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Alluvium

Analyzed Lab: Texas Department of Health Reliability: Not indicative of aquifer quality.

Collection Remarks: Cooke samples questionable

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		392	mg/L as CACO 3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		478.38	mg/L	
00910	CALCIUM (MG/L)		117	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		312	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.9	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		744	mg/L as CACO 3	
00920	MAGNESIUM (MG/L)		110	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		50.8	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		8	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		13	mg/L as SIO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.51		
00932	SODIUM, CALCULATED, PERCENT		39	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		220	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		2688	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		330	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		24	С	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		1388	mg/L	

^{*} Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (https://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

STATE OF TEXAS WELL REPORT for Tracking #5059

Owner: Foxworth B7 Ranch Owner Well #:

Address: **P.O. Box 460** Grid #: **20-50-6**

Newcastle, TX 76372

Well Location: Weston FM 926

Latitude: 33° 12' 14" N

Newcastle, TX 76372 Longitude: 098° 45' 58" W

Well County: Young Elevation: No Data

Type of Work: New Well Proposed Use: Domestic

Drilling Start Date: 12/12/2001 Drilling End Date: 12/12/2001

 Diameter (in.)
 Top Depth (ft.)
 Bottom Depth (ft.)

 Borehole:
 7.875
 0
 100

Drilling Method: Air Rotary

Borehole Completion: Filter Packed

Top Depth (ft.) Bottom Depth (ft.) Filter Material Size

Filter Pack Intervals: 15 100 Gravel

Annular Seal Data:

Top Depth (ft.)

Bottom Depth (ft.)

Description (number of sacks & material)

4

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

Sealed By: **Erwin**Distance to Septic Field or other concentrated contamination (ft.): **n/a**

Distance to Septic Tank (ft.): No Data

Method of Verification: n/a

Surface Completion: Surface Sleeve Installed

Water Level: 20 ft. below land surface on 2001-12-12 Measurement Method: Unknown

Packers: No Data

Type of Pump: No Data

Well Tests: Bailer Yield: 50 GPM with 25 ft. drawdown after 1 hours

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: No

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

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: Erwin Water Well Drilling

6991 FM 4

Jacksboro, TX 76458

Driller Name: Henry Erwin License Number: 2555

Comments: No Data

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing: BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	5	Topsoil
5	15	Gravel
15	18	Sand & gravel
18	30	Gray clay
30	33	Red clay
33	42	Sandy gray clay
42	50	Sand
50	53	Coal
53	100	Gray clay

Dia. (in.) New/Used	Dia. (in.) New/Used Type Setting From/To (ft.)					
4 1/2 New Sch 40 PVC 0-100						
4 1/2 New Slotted 40-60 .020						

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

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

STATE OF TEXAS WELL REPORT for Tracking #229323

Owner: Bill Duckworth Owner Well #: 1

Address: 197 Big Sandy Rd Grid #: 20-50-6

Newcastle, TX 76372

Well Location: 197 Big Sandy Rd Latitude: 33° 11' 59" N

Newcastle, TX 76372 Longitude: 098° 45' 30" W

Well County: Young Elevation: No Data

Type of Work: New Well Proposed Use: Domestic

Drilling Start Date: 6/25/2007 Drilling End Date: 6/25/2007

 Diameter (in.)
 Top Depth (ft.)
 Bottom Depth (ft.)

 Borehole:
 7
 0
 180

Drilling Method: Air Rotary

Borehole Completion: Filter Packed

Annular Seal Data: No Data

Seal Method: Not Applicable Distance to Property Line (ft.): No Data

Sealed By: **Unknown** Distance to Septic Field or other

concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Method of Verification: No Data

Surface Completion: Unknown

Water Level: No Data

Packers: No Data

Type of Pump: No Data

Well Tests: No Test Data Specified

Description (number of sacks & material)

Top Depth (ft.)

Bottom Depth (ft.)

Plug Information:

Dry Hole

Water Type
Water Quality:

No Data

No Data

Chemical Analysis Made: Unknown

Did the driller knowingly penetrate any strata which

contained injurious constituents?: Unknown

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: Thorp Springs Well Svc Inc

P.O. Box 786

Mineral Wells, TX 76068

Driller Name: Diego Chavira License Number: 54510

Apprentice Name: Daniel Ewing Apprentice Number: 55084

Comments: \$mew

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing: BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	20	Top Soil
20	60	Top Soil / Shale [Shell]
60	70	Sandstone
70	75	Gray Shale
75	80	Lignite
80	110	Gray Shale
110	115	Sandstone
115	120	Lignite
120	180	Gray Shale

None	Dia. (in.)	New/Used	Type	Setting From/To (ft.)

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

STATE OF TEXAS WELL REPORT for Tracking #229486

Owner: W.L. Duckworth Owner Well #:

Address: 197 Big Sandy Rd Grid #: 20-50-6

Newcastle, TX 76372

Well Location: 197 Big Sandy Rd

Newcastle, TX 76372 Longitude: 098° 45' 29" W

Well County: Young Elevation: No Data

Type of Work: New Well Proposed Use: Irrigation

Drilling Start Date: 7/11/2007 Drilling End Date: 7/11/2007

 Diameter (in.)
 Top Depth (ft.)
 Bottom Depth (ft.)

 Borehole:
 8
 0
 100

Drilling Method: Air Rotary

Borehole Completion: Filter Packed

Top Depth (ft.) Bottom Depth (ft.) Filter Material Size

Filter Pack Intervals: 10 100 Gravel 1/4

Annular Seal Data:

Top Depth (ft.)

Bottom Depth (ft.)

Description (number of sacks & material)

5

Seal Method: **Conv** Distance to Property Line (ft.): **150**

Sealed By: **Company**Distance to Septic Field or other concentrated contamination (ft.): **300**

Distance to Septic Tank (ft.): No Data

2

Method of Verification: Land owner

Surface Completion: Surface Sleeve Installed

Water Level: 60 ft. below land surface on No Data Measurement Method: Unknown

Packers: No Data

Type of Pump: No Data

Well Tests: Estimated Yield: 142 GPM

Water Quality:

Strata Depth (ft.)

Water Type

Fresh

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which

contained injurious constituents?: Unknown

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: Thorp Springs Well Svc Inc

P.O. Box 786

Mineral Wells, TX 76068

Driller Name: Diego Chavira License Number: 54510

Apprentice Name: Daniel Ewing Apprentice Number: 55084

Comments: \$mew

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing: BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	20	Top Soil
20	60	Yellow Clay
60	70	Sandstone
70	100	Gray Shale

Dia. (in.) New/Used	Type	Setting From/To (ft.)			
4 New PVC Scree	n 100	- 80 0.20			
4 New PVC 80 - 0					

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

STATE OF TEXAS WELL REPORT for Tracking #375696

Owner: Gary Chilcult Owner Well #: No Data

Address: P.O. Box 215 Grid #: 20-50-6

Newcastle, TX 76372

Well Location: Highway 380 Latitude: 33° 10' 26" N

Newcastle, TX 76372 Longitude: 098° 46' 09" W

Well County: Young Elevation: No Data

Type of Work: New Well Proposed Use: Domestic

Drilling Start Date: 8/22/2014 Drilling End Date: 8/22/2014

 Diameter (in.)
 Top Depth (ft.)
 Bottom Depth (ft.)

 Borehole:
 7.875
 0
 100

Drilling Method: Air Rotary

Borehole Completion: Filter Packed

Filter Pack Intervals:

Top Depth (ft.)

Bottom Depth (ft.)

Filter Material

Size

10

100

Gravel

.25

Annular Seal Data:

Top Depth (ft.)

Bottom Depth (ft.)

Description (number of sacks & material)

2 Portland

Seal Method: Grout Distance to Property Line (ft.): No Data

Sealed By: **Lyons** Distance to Septic Field or other

concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Method of Verification: No Data

Surface Completion: Surface Sleeve Installed

Water Level: No Data

Packers: No Data

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

Well Tests: Estimated Yield: 1.5 GPM after 1 hours, no drawdown specified

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which

contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: Erwin Water Well Drilling

6991 FM 4

Jacksboro, TX 76458

Driller Name: Burke Lyons License Number: 55001

Comments: No Data

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing: BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	8	Sandy topsoil
8	34	Brown clay
34	39	Moist sand
39	76	Gray clay
76	87	Sand
87	100	Gray clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)	
4 N SCH 40 PVC 0-80				
4 N SLOTTED 80-100 .020				

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

STATE OF TEXAS WELL REPORT for Tracking #382146

Owner: Randy Saylor Owner Well #: #1

Address: **Po Box 2169** Grid #: **20-51-4**

Graham, TX 76450 Latitude: 33° 10' 55" N

Well Location: US 380

Newcastle, TX 76372 Longitude: 098° 44' 13" W

Well County: Young Elevation: No Data

Type of Work: New Well Proposed Use: Stock

Drilling Start Date: 11/24/2014 Drilling End Date: 11/24/2014

 Diameter (in.)
 Top Depth (ft.)
 Bottom Depth (ft.)

 Borehole:
 7.875
 0
 70

Drilling Method: Air Rotary

Borehole Completion: Filter Packed

Filter Pack Intervals:

Top Depth (ft.)

Bottom Depth (ft.)

Filter Material

Size

70

Gravel

3/8

Annular Seal Data:

Top Depth (ft.)

Bottom Depth (ft.)

Description (number of sacks & material)

8 bag cement

Seal Method: Unknown Distance to Property Line (ft.): 100+

Sealed By: **Driller**Distance to Septic Field or other concentrated contamination (ft.): **50+**

Distance to Septic Tank (ft.): No Data

Method of Verification: No Data

Surface Completion: Surface Sleeve Installed

Water Level: No Data

Packers: No Data

Type of Pump: No Data

Well Tests: Estimated Yield: 17 GPM

Water Quality:

Strata Depth (ft.)

Water Type

Fresh

Chemical Analysis Made: No

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

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: Water Well Drilling & Service

Po box 40

Graham, TX 76450

Driller Name: Jeffery L. Lowery License Number: 59357

Apprentice Name: Chris Jennings

Comments: No Data

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing: BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	topsoil
2	27	clay
27	64	sand
64	70	shale

Dia. (in.) New/Used	Type	Setting From/To (ft.)	
4.5 in. New Pvc Screen 70-50			
4.5 in. New Pvc Blank 50-0			

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

STATE OF TEXAS WELL REPORT for Tracking #508802

Owner Well #: Owner: No Data Jesse & Lana Edwards

Address: 6850 Hwy.380 W Grid #: 20-51-4

Newcastle, TX 76372

Latitude: 33° 11' 08.88" N Well Location: Hwy. 380 across from Newcastle

> **Schools** Newcastle, TX

Longitude: 098° 44' 30.48" W

Proposed Use:

Domestic

Elevation: No Data Well County: Young

Type of Work: New Well

Drilling Start Date: 3/29/2019 Drilling End Date: 3/29/2019

Top Depth (ft.) Bottom Depth (ft.) Diameter (in.) Borehole: 7.875 0 80

Drilling Method: Air Rotary

Filter Packed Borehole Completion:

Top Depth (ft.) Bottom Depth (ft.) Filter Material Size Filter Pack Intervals: 10 80 Gravel 3/8

Top Depth (ft.) Bottom Depth (ft.) Description (number of sacks & material) Annular Seal Data: 0 2 Concrete 1 Bags/Sacks 2 10 **Bentonite 2 Bags/Sacks**

Seal Method: Hand Mixed Distance to Property Line (ft.): No Data

Sealed By: Driller Distance to Septic Field or other

concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Method of Verification: No Data

Surface Completion: **Surface Sleeve Installed Surface Completion by Driller**

Water Level: No Data

Packers: No Data

Submersible Type of Pump:

Yield: 6 GPM Well Tests: **Estimated**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: No

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

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: Erwin Drilling

6991 FM 4

Jacksboro, TX 76458

Driller Name: Brandon Erwin License Number: 59667

Comments: No Data

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.) Bottom (ft.) Description 0 2 Top Soil 2 Sand Rock 13 13 18 **Yellow Clay** 18 26 **Gray Clay** 26 32 Sand 32 34 Sandy Gray Clay 34 44 Conglomerate 44 46 **Gray Clay** 46 51 Sand & Shale 51 73 Sand 73 80 **Gray Shale**

Casing: BLANK PIPE & WELL SCREEN DATA

Dla (in.)	Туре	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	40	0	60
4.5	Perforated or Slotted	New Plastic (PVC)	40 0.020	60	80

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GROUNDWATER QUALITY TECHNICAL REPORT

IN PARTIAL FULFILLMENT OF

2024 TCEQ DOMESTIC WASTEWATER PERMIT RENEWAL APPLICATION

FOR

THE CITY OF NEWCASTLE, TEXAS

PREPARED BY

CORLETT, PROBST & BOYD PLLC ENGINEERS AND SURVEYORS

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Impact of Waste Disposal Operation on the Uses of Local Groundwater Resources

All wells within a 1 mile radius of the disposal site boundaries have been located and mapped. There are currently no known wells within a .5 mile boundary and six wells within a mile radius. There are no known local groundwater resources below the wastewater disposal site, and thus monitoring is not required. Impact to local groundwater resource use is minimal to absent.

Description of Local Groundwater

The outfall of the water treatment plant is located at 33d 11' 09" N and 98d 45' 29" W in the Cross Timbers Aquifer. According to Texas Water Database, the most current depth measurement of water in wells within a mile radius measured at:

Well 20-50-603 was 20.3 ft below land surface level on 1962-8-27

Well 20-50-601 was 11.1 ft below land surface level on 1962-8-27

Well 20-50-605 was 26.94 ft below the surface level in 1992-11-3

Well 20-50-604 was 95.6 ft below the surface level on 1962-8-27

Well 20-50-602 was 15.8 ft below land surface on 1962-8-27

Well 5059 was 20 ft below land surface on 2001-12-12

Well 229323 water depth is not available

Well 229486 water depth was 60 ft below land surface level, date is unavailable

Well 375696 water depth is not available

Well 508802 water depth is not available

Well 382146 water depth is not available

Well information Reports are attached with this Report

Groundwater Protection

Currently, the City of Newcastle disposes of treated effluent via surface application (sprinkler) on 83 acres of private grassland. Effluent received for application or storage is expected to be .80 inches over the entire irrigation area per month, and the amount of effluent will be distributed across a greater area. This greater distribution of wastewater will reduce the depth of effluent infiltration into the soil, further protecting groundwater from pollution.

Wastewater application rates are determined in order to prevent inundation and uncontrolled effluent distribution. According to the previous permit, effluent application shall not exceed .06 MGD, and no more than 3.36 acre-feet per year per acre.

The pond liners were constructed with a highly plastic lean clay. See attachment G for liner certification.

Groundwater Monitoring Wells and/or Lysimeters

There are no current or planned monitoring wells or lysimeters in the system. Therefore, no further information regarding these can be provided.

Design of Wastewater Disposal System

The wastewater disposal system is existing, therefore preliminary design calculations for the system have been completed and approved. A diagram of the current flow diagram and proposed irrigation area is included in the permit application.

Water Quality Monitoring

Water quality monitoring requirements for this permit are flow at a rate of five/week, BOD at a rate of once per month, and pH at a rate of once per month. pH must be greater than 6 and less than 9. Five-day Biochemical Oxygen Demand must not exceed 100 mg/L per single grab.

Water quality testing was conducted in July 2024 of the effluent applied to the grassland. All pollutant levels were below the permitted concentration. Pollutant Analysis of Treated Effluent from July 2024 is contained on page 10 of document 10054. Monthly effluent testing data is contained on page 35 of TCEQ for document 10054.

References

Water Data Interactive. Texas Water Development Board, www2.twdb.texas.gov/apps/waterdatainteractive/groundwaterdataviewer.



NRCS

Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Young County, Texas



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2 053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

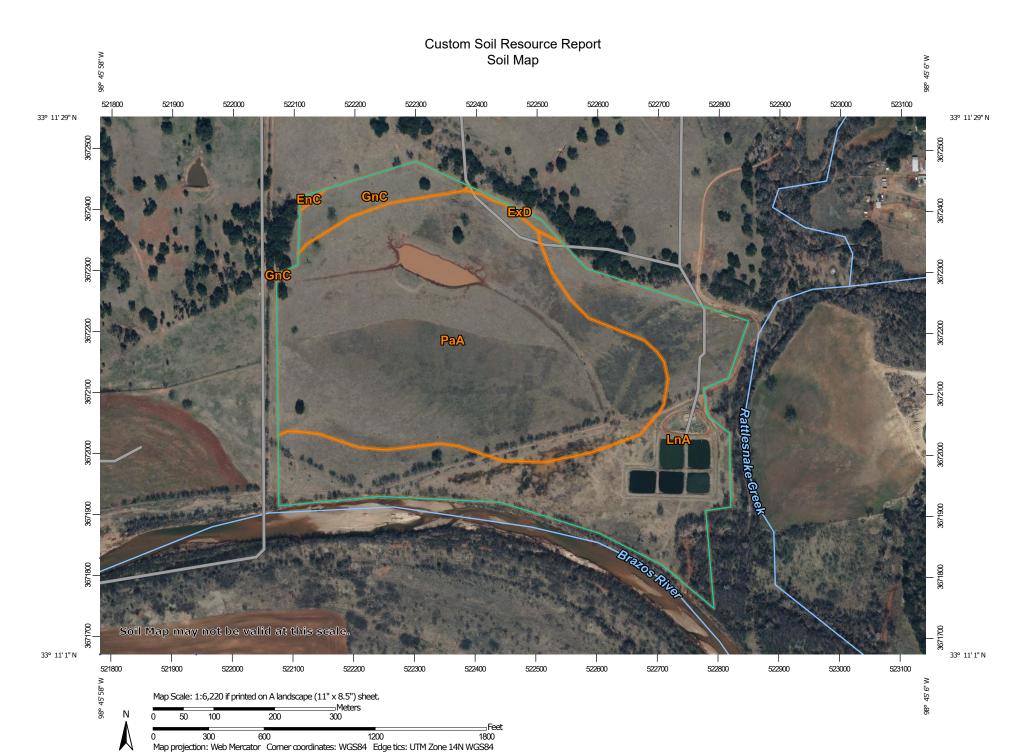
Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.



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

(o)

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

Sodic Spot

Slide or Slip

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

00

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24.000.

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Young County, Texas Survey Area Data: Version 20, 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 26, 2021—Jan 29. 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
EnC	Enterprise very fine sandy loam, 3 to 5 percent slopes	0.1	0.1%
ExD	Exray-Loving complex, 1 to 8 percent slopes, extremely stony	0.4	0.4%
GnC	Grandfield fine sandy loam, 3 to 5 percent slopes	3.6	4.1%
LnA	Lincoln sandy loam, 0 to 1 percent slopes, occasionally flooded	32.2	36.6%
PaA	Padgett clay, 0 to 1 percent slopes, occasionally flooded	51.6	58.7%
Totals for Area of Interest	,	88.0	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it

was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Young County, Texas

EnC—Enterprise very fine sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2t6qv Elevation: 1,000 to 2,100 feet

Mean annual precipitation: 20 to 28 inches Mean annual air temperature: 57 to 64 degrees F

Frost-free period: 180 to 230 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Enterprise and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Enterprise

Setting

Landform: Terraces

Landform position (two-dimensional): Footslope Landform position (three-dimensional): Tread

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Loamy eolian deposits

Typical profile

Ap - 0 to 8 inches: very fine sandy loam
Bk - 8 to 30 inches: very fine sandy loam
BC - 30 to 80 inches: very fine sandy loam

Properties and qualities

Slope: 3 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.67

in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 20 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm) Available water supply, 0 to 60 inches: Moderate (about 9.0 inches)

Interpretive groups

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

Hydrologic Soil Group: A

Ecological site: R078CY110TX - Sandy Loam 23-31" PZ Forage suitability group: Unnamed (G078CY020OK) Other vegetative classification: Unnamed (G078CY020OK)

Hydric soil rating: No

Minor Components

Eda

Percent of map unit: 5 percent

Landform: Dunes

Landform position (two-dimensional): Footslope Landform position (three-dimensional): Side slope

Down-slope shape: Convex Across-slope shape: Convex

Ecological site: R078CY014OK - Rolling Sands

Other vegetative classification: Unnamed (G078CY028OK)

Hydric soil rating: No

Tivoli

Percent of map unit: 3 percent

Landform: Dunes

Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Tread

Down-slope shape: Convex Across-slope shape: Convex

Ecological site: R078CY107TX - Sand Hills 23-31" PZ Other vegetative classification: Unnamed (G078CY013OK)

Hydric soil rating: No

Springer

Percent of map unit: 2 percent

Landform: Sand sheets

Landform position (two-dimensional): Backslope Landform position (three-dimensional): Tread

Down-slope shape: Convex Across-slope shape: Convex

Ecological site: R078BY088TX - Sandy Loam 19-26" PZ

Hydric soil rating: No

ExD—Exray-Loving complex, 1 to 8 percent slopes, extremely stony

Map Unit Setting

National map unit symbol: djxg Elevation: 1,000 to 1,600 feet

Mean annual precipitation: 26 to 32 inches
Mean annual air temperature: 63 to 66 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Exray and similar soils: 43 percent Loving and similar soils: 33 percent Minor components: 24 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Exray

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder

Down-slope shape: Convex Across-slope shape: Convex Parent material: Loamy residuum

Typical profile

A - 0 to 5 inches: very stony fine sandy loam

B - 5 to 12 inches: clay loam Cr - 12 to 60 inches: bedrock

Properties and qualities

Slope: 1 to 8 percent

Surface area covered with cobbles, stones or boulders: 7.0 percent Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20

to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Available water supply, 0 to 60 inches: Very low (about 1.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: D

Ecological site: R080BY157TX - Sandstone Hill 26-33" PZ

Hydric soil rating: No

Description of Loving

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder

Down-slope shape: Convex Across-slope shape: Convex Parent material: Loamy residuum

Typical profile

A - 0 to 6 inches: very stony fine sandy loam

B - 6 to 16 inches: fine sandy loam Cr - 16 to 60 inches: bedrock

Properties and qualities

Slope: 1 to 8 percent

Surface area covered with cobbles, stones or boulders: 7.0 percent Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to

moderately high (0.06 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Available water supply, 0 to 60 inches: Very low (about 2.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R080BY157TX - Sandstone Hill 26-33" PZ

Hydric soil rating: No

Minor Components

Truce

Percent of map unit: 6 percent

Landform: Hills

Landform position (two-dimensional): Footslope

Ecological site: R080BY164TX - Tight Sandy Loam 26-33" PZ

Hydric soil rating: No

Bluegrove

Percent of map unit: 6 percent

Landform: Hills

Landform position (two-dimensional): Summit

Ecological site: R080BY164TX - Tight Sandy Loam 26-33" PZ

Hydric soil rating: No

Gowen

Percent of map unit: 3 percent

Landform: Flood plains

Ecological site: R080BY151TX - Loamy Bottomland 26-33" PZ

Hydric soil rating: No

Rock outcrop

Percent of map unit: 3 percent

Landform: Hills

Landform position (two-dimensional): Shoulder

Hydric soil rating: No

Callahan

Percent of map unit: 3 percent

Landform: Hills

Landform position (two-dimensional): Backslope Ecological site: R080BY147TX - Claypan 26-33" PZ

Hydric soil rating: No

Unnamed

Percent of map unit: 3 percent

Hydric soil rating: No

GnC—Grandfield fine sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 2txyb Elevation: 1,000 to 2,200 feet

Mean annual precipitation: 21 to 28 inches Mean annual air temperature: 57 to 64 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Grandfield and similar soils: 95 percent

Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Grandfield

Setting

Landform: Sand sheets on paleoterraces Landform position (three-dimensional): Tread

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Loamy alluvium and/or eolian deposits

Typical profile

Ap - 0 to 6 inches: fine sandy loam
Bt1 - 6 to 22 inches: fine sandy loam
Bt2 - 22 to 43 inches: sandy clay loam
BC - 43 to 80 inches: fine sandy loam

Properties and qualities

Slope: 3 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high

(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

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

Hydrologic Soil Group: B

Ecological site: R078CY110TX - Sandy Loam 23-31" PZ

Hydric soil rating: No

Minor Components

Delwin

Percent of map unit: 2 percent

Landform: Sand sheets

Landform position (three-dimensional): Tread

Down-slope shape: Convex Across-slope shape: Convex

Ecological site: R078CY017OK - Deep Sand Shrubland

Hydric soil rating: No

Grandmore

Percent of map unit: 1 percent

Landform: Sand sheets on paleoterraces
Landform position (three-dimensional): Tread

Down-slope shape: Concave Across-slope shape: Concave

Ecological site: R078CY110TX - Sandy Loam 23-31" PZ

Hydric soil rating: No

Devol

Percent of map unit: 1 percent

Landform: Dunes on sand sheets on stream terraces Landform position (two-dimensional): Backslope Landform position (three-dimensional): Side slope

Down-slope shape: Convex Across-slope shape: Convex

Ecological site: R078CY110TX - Sandy Loam 23-31" PZ

Hydric soil rating: No

Carwile

Percent of map unit: 1 percent

Landform: Depressions

Landform position (three-dimensional): Tread

Down-slope shape: Concave Across-slope shape: Concave

Ecological site: R078CY025OK - Depressional Upland

Hydric soil rating: Yes

LnA—Lincoln sandy loam, 0 to 1 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: djxw Elevation: 900 to 2,000 feet

Mean annual precipitation: 22 to 28 inches Mean annual air temperature: 57 to 64 degrees F

Frost-free period: 185 to 225 days

Farmland classification: Not prime farmland

Map Unit Composition

Lincoln and similar soils: 90 percent Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lincoln

Setting

Landform: Natural levees
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Sandy alluvium

Typical profile

A - 0 to 6 inches: sandy loam C - 6 to 80 inches: fine sand

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches Drainage class: Somewhat excessively drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95

to 19.98 in/hr)

Depth to water table: About 60 to 96 inches

Frequency of flooding: Occasional Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Available water supply, 0 to 60 inches: Low (about 3.5 inches)

Interpretive groups

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

Hydrologic Soil Group: A

Ecological site: R078CY068OK - Sandy Bottomland

Hydric soil rating: No

Minor Components

Unnamed

Percent of map unit: 9 percent Landform: Flood plains Hydric soil rating: No

Unnamed, hydric

Percent of map unit: 1 percent Landform: Depressions Hydric soil rating: Yes

PaA—Padgett clay, 0 to 1 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: djxy Elevation: 850 to 1,150 feet

Mean annual precipitation: 27 to 30 inches Mean annual air temperature: 60 to 65 degrees F

Frost-free period: 210 to 230 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Padgett and similar soils: 90 percent Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Padgett

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Concave
Parent material: Clayey alluvium

Typical profile

A - 0 to 9 inches: clay
B - 9 to 66 inches: clay
BC - 66 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: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Occasional Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 12.0

Available water supply, 0 to 60 inches: Moderate (about 8.1 inches)

Interpretive groups

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

Hydrologic Soil Group: D

Ecological site: R080BY144TX - Clayey Bottomland 26-33" PZ

Hydric soil rating: No

Minor Components

Unnamed

Percent of map unit: 9 percent Landform: Flood plains Hydric soil rating: No

Unnamed, hydric

Percent of map unit: 1 percent Landform: Depressions Hydric soil rating: Yes

References

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Address: 2478 TAMU

College Station, Texas 77843-2478

Phone: (979) 845-4816

Email: soiltesting@tamu.edu

Web: soiltesting.tamu.edu

STATEMENT #411123

Account #: 21571 Statement Date: 5/6/2024 Statement By: TP PO #:

City of Newcastle

PO Box 66 NEWCASTLE, TX 76372

Lab(s) submitted for: City of Newcastle

Samples collected in Young County

Quantity:	Test Code:	Lab Numbers:	Test Performed:	Test Price:	Total Price:
3	S1	660356 - 660358	Routine	\$12.00	\$36.00
3	M10	660356 - 660358	Total Nitrogen	\$20.00	\$60.00
3	M11	660356 - 660358	TKN	\$30.00	\$90.00
1	M221	660356	Mail Hard Copy Fee	\$2.00	\$2.00
				TOTAL	\$188.00

Payment Date:	Payment Details:	A	Amount:
5/6/2024	Check - Reference #14240	•	\$188.00
		TOTAL	\$188.00

PAID IN FULL

Statement Total:

\$188.00

- Payments:

\$188.00

+ Refunds:

Balance Due:

\$0.00



5 attachments

Zimbra

Soil reports

From: Jeffery S. Waskom < Jeffery. Waskom@ag.tamu.edu > Thu, May 16, 2024 08:29 AM

Subject: Soil reports

To: city of <newcastle@brazosnet.com>

Howdy,

Your results are attached.

Soil Report terminology

The results, which is the amount of each nutrient we found in your soil.

Fertilizer recommendation: The way our reports are set up is that the fertilizer recommendation to the right of the results is the current need. The current need will include the first nitrogen application and all the phosphorus, potassium and other nutrients you may need.

Then, if needed, addition nitrogen recommendation at the bottom is for future applications of nitrogen. This is to be applied in four to six weeks and repeated as long as you need continued growth. In other words, if you are not growing anything in your garden there will not be a need for additional nitrogen. Or for hay crops the additional nitrogen is to be applied for each hay cutting or grazing.

All our fertilizer recommendations are in pounds of actual nutrient. So, when we call for one pound of nitrogen this is not one pound of fertilizer. The fertilizer you apply will contain a certain percent nitrogen, usually 20 or 30 percent. Based on this percentage you will need to calculate how much fertilizer you need. If you know what sources are available, you can use our fertilizer calculator on our website:

https://soiltesting.tamu.edu/ag-calculator/ or https://soiltesting.tamu.edu/calculators/

It is not always possible to use a single fertilizer to meet all of your nutrient requirements. Applying a mixed fertilizer and a supplement fertilizer of nitrogen, phosphorus and/or potassium is common. In some cases, applying each nutrient as a standalone fertilizer may be best to meet your needs. In the end choose a fertilizer plan that best meets your needs and has the best cost to you in money, time and effort.

CL value is the critical limit for the indicated crop grown. The critical limit is the minimum desired value for that crop. If the reported value is lower than the critical limit, application of additional nutrient will be recommended under the fertilizer recommended section of the report. The critical limit is a minimum desired value for the nutrient; it is not a target level and says nothing about nutrient levels above the critical limit.

Soil pH is on a scale of 0 to 14, with values less than seven being acidic, above seven being alkaline and seven being neutral. Typical soil values range from 5.5 to 8.3. If the soil pH is below the indicated critical limit, the application of limestone will be recommended. Refer to: https://soiltesting.tamu.edu/soiltesting/wp-content/uploads/sites/13/2023/05/SCS-2001-06.pdf

Conductivity is a measure of total soluble salts. Typical values will be less than 1000 umhos/cm. Levels approaching and above 2000 umhos/cm may adversely affect plant growth. Low conductivity is desirable, so no

5/16/24, 9:19 AM Zimbra

critical limit is set. Refer to: https://soiltesting.tamu.edu/soiltesting/wp-content/uploads/sites/13/2023/05/E-60.pdf

Nitrate-N indicates the amount of available nitrogen in the soil. Since nitrogen will usually be applied multiple times in a given season, there is no critical limit set for this value. Nitrogen values are often low due to the multiple loss mechanisms for nitrogen. Thus fertilizer recommendations for nitrogen are common.

Phosphorus – This element is often thought of as important for root development and/or flower development. In truth phosphorus is used throughout the plant, in cell wall structure and plays an important role in photosynthesis. Low Phosphorus as a thinning of the grasses, delayed fruiting, slow growth, limited rooting development and more susceptible to drought and stress conditions.

Excessive phosphorus may contribute to the environmental problem of nutrient runoff into waterways. Excessive phosphorus has also been shown to induce iron deficiencies in some plants, refer to: https://soiltesting.tamu.edu/soiltesting/wp-content/uploads/sites/13/2023/05/E-465.pdf

Potassium – This element is used to facilitate enzyme transformations and water usage in plants. Available potassium levels may be well above the critical limit without any concern, especially in clay soils.

Calcium — This element is used for plant structure and nutrient movement. Available calcium levels may be well above the critical limit without any concern, especially in calcareous soils.

Magnesium — This element is important in photosynthesis in addition to other functions in the plant. Available magnesium levels may be well above the critical limit without any concern, especially in clay soils.

Sulfur — This element is used throughout the plant in chemical and enzyme reactions. Available sulfur levels may be well above the critical limit without any concern.

Sodium — Low sodium is desirable, so no critical limit is set for this element. Sodium in the plant serves many of the same functions as potassium, however excessive sodium in soils will inhibit water uptake by plants. Refer to: https://soiltesting.tamu.edu/soiltesting/wp-content/uploads/sites/13/2023/05/E-60.pdf

Micronutrients — Zinc, Iron, Copper and Manganese — These elements have important roles in photosynthesis and enzyme reactions. Micronutrients are required by plants; however excessive levels of copper or zinc can inhibit plant growth.

Boron — This element is required for germination and maturity of plants; however excessive levels of boron can inhibit plant growth.

Limestone Requirement – Applications of limestone will be recommended to raise the soil pH to a level above the indicated critical limit. More information can be found in our Soil Acidity and Liming publication: https://soiltesting.tamu.edu/soiltesting/wp-content/uploads/sites/13/2023/05/SCS-2001-06.pdf

Other Soil tests:

Texture - Gives the percent sand, silt and clay of your soil. This will also give a textural class name based on the USDA soil texture triangle.

Organic Matter -Will measure the percent organic carbon in the soil and give a percent organic matter level of the soil. Organic matter helps with water and nutrient holding capacity of the soil.

Detailed Salinity Test - Will include a deferent set of values based on a saturated paste water extract. pH, conductivity, sodium, potassium, calcium, and magnesium. Along with calculated values:

SAR - Sodium Adsorption Ratio

SSP - Sodium Saturation Percentage

This test is used to evaluate sodium salts and how much it will dominate the soil chemistry. Soil SAR values of less than 2.0 should not have any sodium issues.

Alternate fertilizer recommendations: You can view our entire crop list and obtain new recommendations from fertilizer calculator section of our website: https://ssccust1.spreadsheethosting.com/1/04/5f7e723c5f4ea9/recscalc2023a/recscalc2023a.htm



Report generated for: City of Newcastle PO Box 66 NEWCASTLE, TX 76372

Young County

Laboratory Number: 660357 Customer Sample ID: 2 of 3 6-18"

NEWCASTLE, TX 76372

Soil Analysis Report

Soil, Water and Forage Testing Laboratory Department of Soil and Crop Sciences 2478 TAMU College Station, TX 77843-2478

Visit our website: http://soiltesting.tamu.edu

Sample received on: 5/2/2024 Printed on: 5/15/2024 Area Represented: 20 acres

Crop Grown: II	MPROVED	AND H	YBRID BEI	RMUDA	GRAS	S, GR/	AZING			
Analysis	Results	CL*	Units	ExLow	VLow	Low	Mod	High	VHigh	Excess.
рН	7.9	(5.8)	-	Mod. Al	kaline				CONTENT OF	
Conductivity	282	(-)	umho/cm	None			CL	•		Fertilizer Recommended
Nitrate-N	1	(-)	ppm**							55 lbs N/acre
Phosphorus	8	(50)	ppm	1111111111	1111111		i i			55 lbs P2O5/acre
Potassium	478	(125)	ppm	1111111111	111111111111		human			0 lbs K20/acre
Calcium	5,476	(180)	ppm				100000			0 lbs Ca/acre
Magnesium	453	(50)	ppm	111111111	111111111111		111111111111111111111111111111111111111	mminini (0 lbs Mg/acre
Sulfur	63	(13)	ppm	1111111111			munic			0 lbs S/acre
Sodium	174	(-)	ppm	1111111111	111111111111	III				
Iron										
Zinc										
Manganese							i		į	
Copper				i de la composition della comp						
Boron							!			
Limestone Requirement										0.00 tons 100ECCE/acre
				440000000000000000000000000000000000000						
TKN	1004	ı	pm							
TN	1698	F	opm							

*CL=Critical level is the point which no additional nutrient (excluding nitrate-N, sodium and conductivity) is recommended. **ppm=mg/kg

Nitrogen: Apply an additional 70 lbs/A of nitrogen for each subsequent heavy graze down.

Online fertilizer calculators to determine appropriate fertilizers and application rates. http://soiltesting.tamu.edu

Methods: pH and conductivity/ 2:1; nitrate-N/Cd-red.; P, K, Ca, Mg, Na, and S/Mehlich 3 by ICP; Fe, Zn, Mn, and Cu/DTPA by ICP; and B/hot water by ICP.

ProAnalysisVer. 2.1



Page 1 of 1



CONE-W

City of Newcastle Alice Winder PO Box 66 Newcastle, TX 76372 Printed

09/19/2024 14:43

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1117041_r10_05_ProjectQC	SPL Kilgore Project P:1117041 C:CONE Project Quality Control Groups	7
1117041_r99_09_CoC1_of_1	SPL Kilgore CoC CONE 1117041_1_of_1	6
	Total Pages:	19

Email: Kilgore.ProjectManagement@spllabs.com



Report Page 1 of 20



SAMPLE CROSS REFERENCE



Printed

9/19/2024

Page 1 of 1

City of Newcastle Alice Winder PO Box 66 Newcastle, TX 76372

Sample	Sample ID	Taken	Time	Received
2331920	EFFLUENT WW Permit	09/05/2024	08:40:00	09/06/2024

Bottle 01 Polyethylene 1/2 gal (White)

Bottle 02 Bottle, QEC, 32oz/1000ml Water Quality Bottle

Bottle 03 H2SO4 to pH <2 Glass Qt w/Teflon lined lid

Bottle 04 H2SO4 to pH <2 Glass Qt w/Teflon lined lid

Bottle 05 16 oz HNO3 Metals Plastic

Bottle 06 8 oz Plastic H2SO4 pH < 2

Bottle 07 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1137032) Volume: 6.00000 mL <== Derived from 06 (6 ml)

Bottle 08 BOD Titration Beaker A (Batch 1137100) Volume: 100.00000 mL <= Derived from 01 (100 ml)

Bottle 09 BOD Analytical Beaker B (Batch 1137100) Volume: 100.00000 mL <= Derived from 01 (100 ml)

Bottle 10 Prepared Bottle: ICP Preparation for Metals (Batch 1137261) Volume: 50.00000 mL <== Derived from 05 (50 ml) Bottle 11 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1137329) Volume: 20.00000 mL <== Derived from 06 (20 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical	
EPA 300.0 2.1	01	1137252	09/06/2024	1137252	09/06/2024	
EPA 200.7 4.4	10	1137261	09/09/2024	1137375	09/10/2024	
SM 2320 B-2011	02	1137293	09/09/2024	1137293	09/09/2024	
SM 5210 B-2016 (TCMP Inhibitor)	01	1137100	09/12/2024	1137100	09/12/2024	
SM 2510 B-2011	01	1137425	09/10/2024	1137425	09/10/2024	
SM 4500-C1 G-2011		1136983	09/05/2024	1136983	09/05/2024	
SM 4500-O G-2016		1136924	09/05/2024	1136924	09/05/2024	
Subcontract			09/05/2024		09/05/2024	
EPA 1664B (HEM)	04	1137803	09/11/2024	1137803	09/11/2024	
EPA 350.1 2	07	1137032	09/06/2024	1137691	09/10/2024	
SM 2540 C-2015	02	1137776	09/10/2024	1137776	09/10/2024	
EPA 351.2 2	11	1137329	09/10/2024	1137747	09/10/2024	
SM 2540 D-2015	01	1137617	09/10/2024	1137617	09/10/2024	
SM 4500-H+ B-2011		1136928	09/05/2024	1136928	09/05/2024	

Email: Kilgore.ProjectManagement@spllabs.com

Office: 903-984-0551 * Fax: 903-984-5914



CONE-W

City of Newcastle **Alice Winder** PO Box 66 Newcastle, TX 76372



Printed: 09/19/2024

RESULTS

					Sample F	≀esul	ts						
	2331920	EFFLUENT W	VW Permit								Received:	09/06	5/2024
N	on-Potable Wat	er	Collecte	ed by: Client	City of Ne					PO:			
			Taken:	09/05/2024	08	3:40:00							
E	FPA 1664B (HE	<i>M</i>)		Prepared:	1137803	09/11/.	2024	13:35:00	Analyzed	1137803	09/11/2024	13:35:00	MAX
	Parameter			Results	Uni	ts	RL		Flag.	S	CAS		Bottle
VELAC	Oil and Grea	se (HEM)		<4.40	mg/	L	4.40						04
E	TPA 200.7 4.4			Prepared:	1137261	09/09/.	2024	13:00:00	Analyzed	1137375	09/10/2024	09:20:00	CAS
	Parameter			Results	Uni	ts	RL		Flag.	S	CAS		Bottle
VELAC	Phosphorus			1.89	mg/	L	0.040				7723-14-0		10
E	TPA 300.0 2.1			Prepared:	1137252	09/06/.	2024	15:33:00	Analyzed	1137252	09/06/2024	15:33:00	TTC
	Parameter			Results	Uni	ts	RL		Flag.	S	CAS		Bottle
VELAC	Chloride			205	mg/	L	3.00						01
VELAC	Nitrate-Nitro	gen Total		<0.1	mg/		0.1				14797-55-8		01
VELAC ——	Sulfate			37.3	mg/	L 	3.00						01
E	TPA 350.1 2			Prepared:	1137032	09/06/.	2024	11:54:46	Analyzed	1137691	09/10/2024	16:12:00	AME
	Parameter			Results	Uni	ts	RL		Flag.	S	CAS		Bottle
VELAC	Ammonia Ni	trogen		0.499	mg/	L	0.020						07
E	TPA 351.2 2			Prepared:	1137329	09/10/.	2024	07:46:46	Analyzed	1137747	09/10/2024	12:25:00	AME
	Parameter			Results	Uni	ts	RL		Flag.	S	CAS		Bottle
VELAC	Total Kjeldal	nl Nitrogen		5.54	mg/	L	0.050		_		7727-37-9		11
S	M 2320 B-2011	,		Prepared:	1137293	09/09/.	2024	08:54:00	Analyzed	1137293	09/09/2024	08:54:00	KN1
	Parameter			Results	Uni	ts	RL		Flag	S	CAS		Bottle
VELAC	Total Alkalin	ity (as CaCO3)		221	mg/	L	1.00						02



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24 Waterway Avenue, Suite 375 The Woodlands, TX 77380

Office: 903-984-0551 * Fax: 903-984-5914



CONE-W

City of Newcastle Alice Winder PO Box 66 Newcastle, TX 76372



Printed: 09/19/2024

2331920 **EFFLUENT WW Permit** 09/06/2024 Received: Non-Potable Water Collected by: Client PO: City of Newcastle Taken: 09/05/2024 08:40:00 SM 2510 B-2011 Prepared: 1137425 09/10/2024 12:24:00 Analyzed 1137425 09/10/2024 12:24:00 AMSParameter Results Units RLFlags CASBottle 1130 01 Lab Spec. Conductance at 25 C umhos/c m SM 2540 C-2015 Prepared: 1137776 09/10/2024 08:40:00 Analyzed 1137776 09/10/2024 08:40:00 *JMB* CAS Parameter Results RLFlags Bottle Units mg/L 600 **Total Dissolved Solids** 50.0 02 NELAC SM 2540 D-2015 Prepared: 1137617 09/10/2024 09:15:00 Analyzed 1137617 09/10/2024 09:15:00 ADRFlags Parameter Results Units RLCAS Bottle **Total Suspended Solids** 108 40.0 NELAC mg/L 01 08:46:00 SM 4500-Cl G-2011 Prepared: 1136983 09/05/2024 Analyzed 1136983 09/05/2024 08:46:00 BADParameter Results Units RLFlags CAS **Bottle** Cl2 Res., Total (Onsite) Spec Mid 0.0 mg/L 0.05 NELAC SM 4500-H+ B-2011 Prepared: 1136928 09/05/2024 08:55:00 Analyzed 1136928 09/05/2024 08:55:00 CLIFlags Parameter Results Units RLCAS Bottle pH (Onsite) 9.4 SU NELAC SM 4500-O G-2016 Prepared: 1136924 09/05/2024 08:50:00 Analyzed 1136924 09/05/2024 08:50:00 ABWRLCAS Bottle Parameter Results Units Flags 7.0 1.0 Dissolved Oxygen Onsite mg/L NELAC Analyzed 1137100 10:43:23 JW1 SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1137100 09/07/2024 09/12/2024 Parameter Results Units RLFlags CASBottle **BOD Carbonaceous** 9.76 3.00 01 NELAC mg/L



Report Page 4 of 20

24 Waterway Avenue, Suite 375 The Woodlands, TX 77380

Office: 903-984-0551 * Fax: 903-984-5914



CONE-W

City of Newcastle Alice Winder PO Box 66 Newcastle, TX 76372



				Printed:	09/	19/2024	
2331920 EFFLUENT WW Permit	:				Received:	09/06/	/2024
Non-Potable Water Collect Taken:	09/05/2024	City of Newcastle 08:40:00		PO:			
Subcontract	Prepared:	09/05/20	24 16:01:00	Analyzed	09/05/2024	16:01:00	SUE
Parameter	Results	Units 1	RL	Flags	CAS		Bottle
MPN, E.coli Abilene	See Attached	mple Preparati	on		ABI1		
2331918 Sampling/Transport					Received:	09/06/	/2024
	09/05/2024						
	Prepared:	09/06/20	24 10:07:35	Calculated	09/06/2024	10:07:35	CAI
Sampling/Transport	Verified						
2331920 EFFLUENT WW Permit	i.				Received:	09/06/	/2024
	09/05/2024						
	Prepared:	09/06/20	24 10:07:36	Calculated	09/06/2024	10:07:36	CAL
Environmental Fee (per Project) SUB Shipped	Verified Verified						
EPA 1664B (HEM)	Prepared:	1137702 09/11/20	24 13:35:00	Analyzed 1137702	09/11/2024	13:35:00	MA.
O&G HEM Started	Started						
EPA 200.2 2.8	Prepared:	1137261 09/09/20	13:00:00	Analyzed 1137261	09/09/2024	13:00:00	JDK



Report Page 5 of 20

24 Waterway Avenue, Suite 375 The Woodlands, TX 77380

Office: 903-984-0551 * Fax: 903-984-5914



CONE-W

City of Newcastle Alice Winder PO Box 66 Newcastle, TX 76372 Page 4 of 5

Project

1117041

Printed: 09/19/2024

2331920 EFFLUENT WW Permit Received: 09/06/2024

09/05/2024

Е	SPA 200.2 2.8	Prepared:	1137261	09/09/2024	13:00:00	Analyzed	1137261	09/09/2024	13:00:00	JDK
Z	Liquid Metals Digestion	50/50	ml							05
Е	SPA 350.2, Rev. 2.0	Prepared:	1137032	09/06/2024	11:54:46	Analyzed	1137032	09/06/2024	11:54:46	AMB
NELAC	Ammonia Distillation	6/6	ml							06
Е	EPA 351.2, Rev 2.0	Prepared:	1137329	09/10/2024	07:46:46	Analyzed	1137329	09/10/2024	07:46:46	AMB
NELAC	TKN Block Digestion	20/20	ml							06
S	M 2540 C-2015	Prepared:	1137362	09/10/2024	08:40:00	Analyzed	1137362	09/10/2024	08:40:00	JMB
NELAC	Total Dissolved Solids Started	Started								
S	M 2540 D-2011	Prepared:	1137240	09/10/2024	09:15:00	Analyzed	1137240	09/10/2024	09:15:00	ADR
NELAC	TSS Set Started	Started								
S	M 5210 B-2016 (TCMP Inhibitor)	Prepared:	1137100	09/07/2024		Analyzed	1137100	09/07/2024	06:50:44	JW1
NELAC	BODc Set Started	Started								



Report Page 6 of 20



Page 5 of 5



Printed: 09/19/2024

CONE-W

City of Newcastle Alice Winder PO Box 66 Newcastle, TX 76372

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

 $RL\ is\ the\ Reporting\ Limit\ (sample\ specific\ quantitation\ limit)\ and\ is\ at\ or\ above\ the\ Method\ Detection\ Limit\ (MDL).\ CAS\ is\ Chemical\ CAS\ is\$ Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



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Project
1117041

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CONE-W

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							Timed	05/15/202	•
Analytical Set	1137100						SM 5210	В-2016 (Т	TCMP Inhibitor)
				E	Blank				
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units		File		
BOD Carbonaceous	1137100	0.2	0.200	0.500	mg/L		126742441		
				Du	plicate				
Parameter	Sample		Result	Unknow	n	Unit		RPD	Limit%
BOD Carbonaceous	2331912		21.6	22.5		mg/L	,	4.08	30.0
BOD Carbonaceous	2332117		2.75	2.75		mg/L		0	30.0
				See	ed Drop				
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units		File		
BOD Carbonaceous	1137100	1.23	0.200	0.500	mg/L		126742443		
				Sta	andard				
Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File		
BOD Carbonaceous	Î	225	198	mg/L	114	83.7 - 116	126742444		
Analytical Set	1137691								EPA 350.1 2
Analytical Set	1137051			Е	Blank				2111 330.11 2
Parameter	PrepSet	Reading	MDL	MQL	Units		File		
Ammonia Nitrogen	1137032	ND	0.00336	0.020	mg/L		126757952		
rinnoma rinogen	113,032	112	0.00550		CCV		120,07,522		
Parameter		Reading	Known	Units	Recover%	Limits%	File		
Ammonia Nitrogen		2.18	2.00	mg/L	109	90.0 - 110	126757951		
Ammonia Nitrogen		2.16	2.00	mg/L	108	90.0 - 110	126757960		
Ammonia Nitrogen		2.15	2.00	mg/L	108	90.0 - 110	126757968		
Ammonia Nitrogen		2.15	2.00	mg/L	108	90.0 - 110	126757976		
Ammonia Nitrogen		2.20	2.00	mg/L	110	90.0 - 110	126757987		
Ammonia Nitrogen		2.18	2.00	mg/L	109	90.0 - 110	126757997		
Ammonia Nitrogen		2.17	2.00	mg/L	108	90.0 - 110	126758006		
Ammonia Nitrogen		2.14	2.00	mg/L	107	90.0 - 110	126758015		
Ammonia Nitrogen		2.09	2.00	mg/L	104	90.0 - 110	126758023		
Ammonia Nitrogen		2.11	2.00	mg/L	106	90.0 - 110	126758032		
Ammonia Nitrogen		2.08	2.00	mg/L	104	90.0 - 110	126758040		
Ammonia Nitrogen		2.09	2.00	mg/L	104	90.0 - 110	126758051		
Ammonia Nitrogen		2.06	2.00	mg/L mg/L	103	90.0 - 110	126758061		
Ammonia Nitrogen		2.05	2.00	mg/L mg/L	102	90.0 - 110	126758069		
•									
Ammonia Nitrogen Ammonia Nitrogen		2.02 2.01	2.00 2.00	mg/L mg/L	101 100	90.0 - 110 90.0 - 110	126758079 126758081		
Ammonia Nitrogen		2.01	2.00		100	90.0 - 110	126758081		
· ·				mg/L					
Ammonia Nitrogen		2.00	2.00	mg/L Du	100 plicate	90.0 - 110	126758091		
Damana atau	G1		Dag to			rr to		nnn	T 5 5.0 /
<u>Parameter</u>	Sample		Result	Unknow	TI .	Unit		RPD	Limit%
Ammonia Nitrogen	2331915		ND	ND		mg/L			20.0
Ammonia Nitrogen	2331937		ND	ND		mg/L	·		20.0

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ICV Recover% Limits% File Parameter Reading Known Units 2.16 2.00 mg/L 108 90.0 - 110 126757950 Ammonia Nitrogen LCS Dup Parameter PrepSet LCS LCSD Known Limits% LCS% LCSD% Units RPD Limit% 1137032 2.10 90.0 - 110 105 20.0 Ammonia Nitrogen 2.14 2.00 107 mg/L 1.89 Mat. Spike Spike Parameter 1 4 1 Sample Unknown Known Units Recovery % Limits % File Ammonia Nitrogen 2331915 2.18 ND 2.00 mg/L 109 80.0 - 120 126757957 Ammonia Nitrogen 2331937 2.20 ND 2.00 mg/L 110 80.0 - 120 126757961 EPA 351.2 2 1137747 **Analytical Set** AWRL/LOQ C

<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File				
Total Kjeldahl Nitrogen		0.054	0.050	mg/L	108	75.0 - 125		126759510				
Blank												
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File				
Total Kjeldahl Nitrogen	1137329	ND	0.00712	0.050	mg/L			126759507				
CCV												
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File				
Total Kjeldahl Nitrogen		5.40	5.00	mg/L	108	90.0 - 110		126759506				
Total Kjeldahl Nitrogen		5.35	5.00	mg/L	107	90.0 - 110		126759515				
Total Kjeldahl Nitrogen		5.40	5.00	mg/L	108	90.0 - 110		126759524				
Total Kjeldahl Nitrogen		5.41	5.00	mg/L	108	90.0 - 110		126759534				
Duplicate												
<u>Parameter</u>	Sample		Result	Unknown			Unit		RPD		Limit%	
Total Kjeldahl Nitrogen	2332029		1.25	1.30			mg/L		3.92		20.0	
Total Kjeldahl Nitrogen	2332433		0.150	0.162			mg/L		7.69		20.0	
ICV												
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File				
Total Kjeldahl Nitrogen		5.43	5.00	mg/L	109	90.0 - 110		126759505				
LCS Dup												
Parameter_	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%	
Total Kjeldahl Nitrogen	1137329	5.12	5.15		5.00	90.0 - 110	102	103	mg/L	0.584	20.0	
Mat. Spike												
Parameter_	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File				
Total Kjeldahl Nitrogen	2332029	6.22	1.30	5.00	mg/L	98.4	80.0 - 120	126759513				
Total Kjeldahl Nitrogen	2332433	5.36	0.162	5.00	mg/L	104	80.0 - 120	126759517				

SM 4500-O G-2016 1136924 Analytical Set

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				Duj	plicate					
Parameter	Sample		Result	Unknow	n		Unit		RPD	Limit%
Dissolved Oxygen Onsite	2331840		7.2	7.2			mg/L			20
Dissolved Oxygen Onsite	2331920		7.0	7.0			mg/L			20
Analytical Set	1136928								SM 450	0-H+ B-2011
,				(ccv					
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File		
pH (Onsite)		6.1	6.0	SU	100	90 - 110				
pH (Onsite)		6.0	6.0	SU	100	90 - 110				
				Duj	plicate					
<u>Parameter</u>	Sample		Result	Unknow	n		Unit		RPD	Limit%
pH (Onsite)	2331920		9.4	9.4			SU			20
				Sta	indard					
<u>Parameter</u>	Sample	Reading	Known	Units	Recover%	Limits%		File		
pH (Onsite)	1136928	8.0	8.0	SU	100	90 - 110				
pH (Onsite)	1136928	8.0	8.0	SU	100	90 - 110				
Analytical Set	1136983								SM 450	00-Cl G-2011
				Duj	plicate					
Parameter Parame	Sample		Result	Unknow	n		Unit		RPD	Limit%
Cl2 Res., Total (Onsite) Spec Mid	2331920		0.0	0.0			mg/L			20
				Sta	indard					
<u>Parameter</u>	Sample	Reading	Known	Units	Recover%	Limits%		File		
Cl2 Res., Total (Onsite) Spec Mid	1136983	0.250	0.230	mg/L	108.7	90 - 110				
Cl2 Res., Total (Onsite) Spec Mid	1136983	0.860	0.860	mg/L	100	90 - 110				
Cl2 Res.,Total(Onsite)Spec Mid	1136983	1.61	1.61	mg/L	100	90 - 110				
Analytical Set	1137617								SM	2540 D-2015
				В	lank					
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File		
Total Suspended Solids	1137617	ND	2	2	mg/L			126756578		
				Con	trolBlk					
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File		
Total Suspended Solids	1137617	0.0002			grams			126756577		
				Duj	plicate					
<u>Parameter</u>	Sample		Result	Unknow	n		Unit		RPD	Limit%
Total Suspended Solids	2331700		33.7	33.7			mg/L		0	20.0
Total Suspended Solids	2331738		9000	9100			mg/L		1.10	20.0
Total Suspended Solids	2331921		7060	7160			mg/L		1.41	20.0
				I	LCS					
Daramatar	Dron Cat	Dondin -		Vnorr	Linita	Dagarram0/	Limita	Eilo		

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PrepSet

Reading



Units

Known

Recover% Limits

File

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Parameter

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				L	.cs						
<u>Parameter</u>	PrepSet	Reading		Known	Units	Recover%	Limits	File			
Total Suspended Solids	1137617	47.0		50.0	mg/L	94.0	90.0 - 110	126756611			
				Sta	ndard						
<u>Parameter</u> Total Suspended Solids	Sample	Reading 96.0	Known 100	Units mg/L	Recover%	<i>Limits%</i> 90.0 - 110		<i>File</i> 126756610			
	440	70.0	100	шул	70.0	70.0 110		120/30010			0.0001
Analytical Set	1137776			-					S.	M 254	0 C-2015
					lank						
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File			
Total Dissolved Solids	1137776	ND	5.00	5.00	mg/L			126759872			
				Con	trolBlk						
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File			
Total Dissolved Solids	1137776	-0.0002			grams			126759859			
				Dup	olicate						
<u>Parameter</u>	Sample		Result	Unknown	1		Unit		RPD		Limit%
Total Dissolved Solids	2331525		720	760			mg/L		5.41		20.0
				L	.CS						
<u>Parameter</u>	PrepSet	Reading		Known	Units	Recover%	Limits	File			
Total Dissolved Solids	1137776	196		200	mg/L	98.0	85.0 - 115	126759873			
				Sta	ndard						
<u>Parameter</u>	Sample	Reading	Known	Units	Recover%	Limits%		File			
Total Dissolved Solids		106	100	mg/L	106	90.0 - 110		126759860			
Analytical Set	1137803								EP#	1664	B (HEM)
				В	lank						
Parameter	PrepSet	Reading	MDL	MQL	Units			File			
Oil and Grease (HEM)	1137803	ND	0.804	4.00	mg/L			126761067			
				Con	trolBlk						
Parameter	PrepSet	Reading	MDL	MQL	Units			File			
Oil and Grease (HEM)	1137803	0.0002			grams			126761066			
Oil and Grease (HEM)	1137803	0.0002			grams			126761091			
				L	.cs						
Parameter	PrepSet	Reading		Known	Units	Recover%	Limits	File			
Oil and Grease (HEM)	1137803	34.3		40.0	mg/L	85.8	78.0 - 114	126761068			
. ,				ı	MS						
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Oil and Grease (HEM)	2331545	38.6	0	4.16	40.0	78.0 - 114	86.1		mg/L		20.0

Analytical Set 1137252 EPA 300.0 2.1

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AWRL/LOQ C

Parameter		Reading	Known	Units	Recover%	Limits%		File			
Nitrate-Nitrogen Total		0.0288	0.0226	mg/L	127	70.0 - 130		126746704			
-					lank						
Parameter	PrepSet	Reading	MDL	MQL	Units			File			
Chloride	1137252	0.0433	0.0298	0.300	mg/L			126746705			
Nitrate-Nitrogen Total	1137252	ND	0.00464	0.0226	−g− mg/L			126746705			
Sulfate	1137252	ND	0.160	0.300	mg/L			126746705			
				c	СВ						
Parameter	PrepSet	Reading	MDL	MQL	Units			File			
Chloride	1137252	0.0439	0.0298	0.300	mg/L			126746702			
Chloride	1137252	0.0801	0.0298	0.300	mg/L			126746721			
Chloride	1137252	0.0509	0.0298	0.300	mg/L			126746733			
Nitrate-Nitrogen Total	1137252	0	0.00464	0.0226	mg/L			126746702			
Nitrate-Nitrogen Total	1137252	0	0.00464	0.0226	mg/L			126746721			
Nitrate-Nitrogen Total	1137252	0	0.00464	0.0226	mg/L			126746733			
Sulfate	1137252	0	0.160	0.300	mg/L			126746702			
Sulfate	1137252	0	0.160	0.300	mg/L			126746721			
Sulfate	1137252	0	0.160	0.300	mg/L			126746733			
				C	CCV						
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Chloride		10.2	10.0	mg/L	102	90.0 - 110		126746701			
Chloride		10.4	10.0	mg/L	104	90.0 - 110		126746720			
Chloride		10.3	10.0	mg/L	103	90.0 - 110		126746732			
Fluoride		10.2	10.0	mg/L	102	90.0 - 110		126746732			
Nitrate-Nitrogen Total		2.28	2.26	mg/L	101	90.0 - 110		126746701			
Nitrate-Nitrogen Total		2.28	2.26	mg/L	101	90.0 - 110		126746720			
Nitrate-Nitrogen Total		2.28	2.26	mg/L	101	90.0 - 110		126746732			
Sulfate		9.44	10.0	mg/L	94.4	90.0 - 110		126746701			
Sulfate		9.42	10.0	mg/L	94.2	90.0 - 110		126746720			
Sulfate		9.48	10.0	mg/L	94.8	90.0 - 110		126746732			
				LCS	5 Dup						
<u>Parameter</u>	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride	1137252	4.99	5.11		5.00	85.0 - 115	99.8	102	mg/L	2.38	20.0
Nitrate-Nitrogen Total	1137252	1.16	1.16		1.13	88.0 - 116	103	103	mg/L	0	20.0
Sulfate	1137252	4.37	4.39		5.00	85.0 - 115	87.4	87.8	mg/L	0.457	20.0
				M	ISD						
<u>Parameter</u>	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chloride	2330860	1490	1470	1310	200	80.0 - 120	90.0	80.0	mg/L	11.8	20.0
Nitrate-Nitrogen Total	2330860	43.1	43.3	ND	45.2	80.0 - 120	95.4	95.8	mg/L	0.463	20.0
Sulfate	2330860	1460	1430	1270	200	80.0 - 120	95.0	80.0	mg/L	17.1	20.0
Chloride	2330993	107	106	88.1	20.0	80.0 - 120	94.5	89.5	mg/L	5.43	20.0
Nitrate-Nitrogen Total	2330993	12.3	12.2	8.11	4.52	80.0 - 120	92.7	90.5	mg/L	2.42	20.0
Sulfate	2330993	114	114	95.3	20.0	80.0 - 120	93.5	93.5	mg/L	0	20.0

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Analytical Set	1137375									EPA	200.7 4.4
				В	lank						
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File			
Phosphorus	1137261	ND	0.0353	0.040	mg/L			126751154			
				C	CCV						
Parameter		Reading	Known	Units	Recover%	Limits%		File			
Phosphorus		1.03	1.00	mg/L	103	90.0 - 110		126751153			
Phosphorus		1.03	1.00	mg/L	103	90.0 - 110		126751162			
•				_	CL						
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Phosphorus		24.9	25.0	mg/L	99.6	95.0 - 105		126751151			
				ı	cv						
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Phosphorus		1.03	1.00	mg/L	103	90.0 - 110		126751152			
				LCS	5 Dup						
Parameter Parame	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phosphorus	1137261	3.70	3.62		4.00	85.0 - 115	92.5	90.5	mg/L	2.19	25.0
				M	1SD						
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Phosphorus	2331471	3.72	3.79	ND	4.00	75.0 - 125	93.0	94.8	mg/L	1.86	25.0
Analytical Set	1137293									SM 232	0 B-2011
,				В	lank						
Parameter	PrepSet	Reading	MDL	MQL	Units			File			
Total Alkalinity (as CaCO3)	1137293	ND	1.00	1.00	mg/L			126747344			
• • • • • • • • • • • • • • • • • • • •				(:cv						
Parameter		Reading	Known	Units	Recover%	Limits%		File			
Total Alkalinity (as CaCO3)		26.9	25.0	mg/L	108	90.0 - 110		126747343			
Total Alkalinity (as CaCO3)		26.9	25.0	mg/L	108	90.0 - 110		126747357			
Total Alkalinity (as CaCO3)		26.9	25.0	mg/L	108	90.0 - 110		126747370			
				Dup	olicate						
<u>Parameter</u>	Sample		Result	Unknown	1		Unit		RPD		Limit%
Total Alkalinity (as CaCO3)	2331400		292	296			mg/L		1.36		20.0
Total Alkalinity (as CaCO3)	2331901		693	695			mg/L		0.288		20.0
				ı	CV						
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Total Alkalinity (as CaCO3)		24.9	25.0	mg/L	99.6	90.0 - 110		126747342			
				Mat	. Spike						
<u>Parameter</u>	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File			
Total Alkalinity (as CaCO3)	2331400	316	296	25.0	mg/L	80.0	70.0 - 130	126747347			

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Mat. Spike

Parameter Total Alkalinity (as CaCO3)	Sample 2331901	Spike 718	Unknown 695	Known 25.0	Units mg/L	Recovery %	<i>Limits</i> % 70.0 - 130	<i>File</i> 126747360		
Analytical Set	1137425								SI	M 2510 B-2011
				Bla	ank					
<u>Parameter</u>	PrepSet	Reading	MDL	MQL	Units			File		
Lab Spec. Conductance at 25 C	1137425	0.438			umhos/cm			126751815		
				Dupl	icate					
<u>Parameter</u>	Sample		Result	Unknown			Unit		RPD	Limit%
Lab Spec. Conductance at 25 C	2331920		1130	1130			umhos/cm		0	20.0
Lab Spec. Conductance at 25 C	2332671		0.764	0.763			umhos/cm		0.131	20.0
				IC	CV .					
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File		
Lab Spec. Conductance at 25 C		12900	12900	umhos/cm	100	90.0 - 110		126751818		
				Stan	dard					
<u>Parameter</u>	Sample	Reading	Known	Units	Recover%	Limits%		File		
Lab Spec. Conductance at 25 C	1137425	1410	1410	umhos/cm	100	90.0 - 110		126751816		
Lab Spec. Conductance at 25 C	1137425	96.4	100	umhos/cm	96.4	90.0 - 110		126751817		
Lab Spec. Conductance at 25 C	1137425	1400	1410	umhos/cm	99.3	90.0 - 110		126752923		
Lab Spec. Conductance at 25 C	1137425	1390	1410	umhos/cm	98.6	90.0 - 110		126754804		

^{*} Out RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100%

Recover% is Recovery Percent: result / known * 100%

CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCB - Continuing Calibration Blank; MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; ICV - Initial Calibration Verification; LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.); MS -Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.)

Email: Kilgore.ProjectManagement@spllabs.com



Report Page 14 of 20

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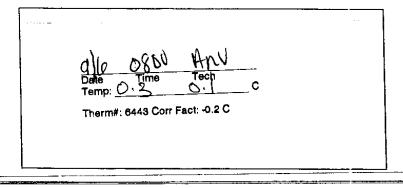
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COOLER CHECKIN

Region/Driver/Client	ABliene
Date / Time:	SEP 0 6 2024 / 0745
Cooler:	of
Shipping Company:	475

Temp Label:





City of Abilene **Environmental Laboratory Report**



4209 East Lake Road Phone: (325) 676-6043 Abilene, TX 79601 Fax: (325) 676-6044

Report To

Attn: Tayna Chitwood

SPL

P.O. Box 3275

Kilgore, TX 75663-3275

Sample Information

Project: CONE

Project Number: [none]

Collector:

Collector Phone: (903) 984-0551 Date Received: 09/05/24 14:08

Received By:

Report Date: 09/09/2024

Effluent WW Permit

C4I0511-01

Date Sample: 05-Sep-2024 8:40

Sample Type:

Analyte

Minimum

Result Units

Reporting Method Limit

Batch

Analyst Analysis Date

Notes

E. coli

65.7 MPN/100 ml 1.1

SM 9223

CI40611

KLG

9/5/24 16:01

Microbiological Parameters by Standard Methods - Quality Control

City of Abilene

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

Batch CI40611 - Gen Prep-Bacteria

Blank (CI40611-BLK1)

Prepared & Analyzed: 09/05/24

E. coli

ND

I.1 MPN/100 ml

Page 1 of 2

Notes and Definitions

Calculate Control C

ND Analyte NOT DETECTED at or below the reporting limit

NR Not Reported

RPD Relative Percent Difference

We are an Approved Public Water System Laboratory (AL2210001) for: Alkalinity, Chlorine Dioxide (2 methods), Free and Total Chlorine (2 methods), pH, POE Chlorite, Temperature, Turbidity (2 methods).

We are an Approved Drinking Water Laboratory (T104704320) for: Alkalinity, Calcium, Chlorine Dioxide (2 methods), Chlorite, Conductivity, Hardness, pH, Phosphate, Silica, Temperature, TOC, Total Chlorine, Turbidity, UV254.

We are not NELAP accredited in the DW matrix for: Alkalinity, Ammonia, Beryllium, Bromide, Chlorine Dioxide, COD, Customer Defined Methods, Color, DOC, Free Chlorine, Legionella, Molybdenum, pH, Phosphate, Silver, TTHM, TOC, UV25, TKN EPA 200.5 Cu, EPA200.7 Sb, As.

We are not NELAP accredited in the NPW matrix for: Customer Defined Methods, Color, COD, DOC, Free Chlorine, Legionella, TKN, EPA 2005 Ag, Mg, Mo, Se, EPA 200.7 Ag, Mn, MO, Se, Tl.. We are not a certified calibration laboratory.

Michael Michaud Laboratory Manager

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This message is intended exclusively for the individual or entity to which it is addressed. This communication may contain information that is proprietary, privileged or confidential or otherwise legally exempt from disclosure. If you are not the named addressee, you are not authorized to read, print, retain, copy, or disseminate this message or any part of it. If you have received this message in error, please notify the sender immediately by e-mail or telephone and delete all copies of the message.

CITY OF ABILENE ENVIRONMENTAL

4209 East Lake Road (325) 676-6041

NOF CUSTODY	PROJECT
LABORATORY CHAIN OF CUSTODY	Abilene, TX 79601

Fax: (325) 676-6044 Abilene, TX 79601

Weekly Monitoring

Monthly Monitoring

Monthly TOC

NAP

Well

Phone: Email:

Client Name:

Address:

Invoice # Invoice Paid

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Correction Factor: Password:

Temperatures circled do not conform to federal regulations.

___(__Total ___Dissolved)

^{*} On ice, but inadequate time to reach ≤6° C (10°C for bacteria samples).

^{**} Circle the metals to be analyzed Ag Al As Ba Be Ca Cd Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Se Si Sr Zn Revised 3/21/2023

CITY OF ABILENE ENVIRONMENTAL

4209 East Lake Road

N OF CUSTODY	PROJECT
LABORATORY CHAIN OF CUSTODY	Abilene, TX 79601

Abilene, TX 79601

Monthly Monitoring Weekly Monitoring Monthly TOC Invoice # Well NAP Fax: (325) 676-6044 Invoice Paid Phone: Email: Sampler Signature / Name: PONCULLACE / Prix WOLLCE (325) 676-6041 PONE Client Name:

Address:

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Temperatures circled do not conform to federal regulations.

Received By:

^{*} On ice, but inadequate time to reach ≤6° C (10°C for bacteria samples).

__ (__ Total __ Dissolved) ** Circle the metals to be analyzed Ag Al As Ba Be Ca Cd Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Se Si Sr Zn Revised 3/21/2023

Candice Calhoun

From: Jessica Parks <jessica@cpbwf.com>
Sent: Monday, October 7, 2024 11:32 AM

To: Candice Calhoun

Cc: cityofnewcastle@brazosnet.com

Subject: RE: Application to Renew Permit No. WQ0010647003 - Notice of Deficiency

Attachments: Resonse to TCEQ Administrative Review 09_24_24.pdf

Follow Up Flag: Follow up Flag Status: Flagged

Candice,

Attached is a response to your comments from 09/24/24.

Regards,

Jessica Parks, P.E. Corlett, Probst & Boyd, PLLC 4605 Jacksboro Highway Wichita Falls, Texas 76302 (940) 723-1455

From: Candice Calhoun < Candice. Calhoun@tceq.texas.gov>

Sent: Tuesday, September 24, 2024 3:58 PM **To:** Jessica Parks <jessica@cpbwf.com> **Cc:** cityofnewcastle@brazosnet.com

Subject: RE: Application to Renew Permit No. WQ0010647003 - Notice of Deficiency

Jessica,

That works, thank you! For 2, I think I just originally overlooked the information I said was missing. It seems like the area labeled "city property" is for the treatment facility and applicant property boundary, is this correct?

Thanks,



Candice Calhoun

Texas Commission on Environmental Quality Water Quality Division 512-239-4312 candice.calhoun@tceq.texas.gov How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Jessica Parks < jessica@cpbwf.com > Sent: Tuesday, September 24, 2024 1:16 PM

To: Candice Calhoun < Candice.Calhoun@tceq.texas.gov >

Cc: cityofnewcastle@brazosnet.com

Subject: RE: Application to Renew Permit No. WQ0010647003 - Notice of Deficiency

Candice,

So it looks like for 1 I will remove the information in box 23 because there is not physical address for the wastewater plant and resubmit the core data form with just the description in box 25. For 2, do you need more zoomed in maps? The maps on pages 52 and 53 show the treatment ponds, city property, buffer zone, and irrigated area. There are two additional USGS maps on pdf pages 61 and 62 that also contain property owner boundaries and are zoomed in. Does this satisfy the issue or are we needing to provide more in-depth property boundary information?

Thanks,

Jessica Parks, P.E. Corlett, Probst & Boyd, PLLC 4605 Jacksboro Highway Wichita Falls, Texas 76302 (940) 723-1455

From: Candice Calhoun < Candice.Calhoun@tceq.texas.gov>

Sent: Tuesday, September 24, 2024 12:00 PM

To: Jessica Parks < jessica@cpbwf.com > **Cc:** cityofnewcastle@brazosnet.com

Subject: RE: Application to Renew Permit No. WQ0010647003 - Notice of Deficiency

Jessica,

Please see my response below:

- 1. So, item 25 is a description to the physical address and item 23 is a physical address. If the physical address listed does not match semi-closely to the location of the site or is not the 911 address assigned to the facility, the physical address cannot be used and therefor we would need a different physical address or to use the description.
- 2. I do see the map provided, however I cannot clearly tell if the applicant property boundary or treatment facility boundaries were shown and labeled.

Candice Calhoun



Texas Commission on Environmental Quality Water Quality Division 512-239-4312

candice.calhoun@tceq.texas.gov

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

From: Jessica Parks < jessica@cpbwf.com > Sent: Tuesday, September 24, 2024 11:48 AM

To: Candice Calhoun < Candice.Calhoun@tceq.texas.gov >

Cc: cityofnewcastle@brazosnet.com

Subject: RE: Application to Renew Permit No. WQ0010647003 - Notice of Deficiency

Candice,

After reviewing the comments I have a few questions I was hoping you could answer before making our official response.

- 1. In reference to item 1, the core data form, there is some confusion about the addresses. The regulated entity for the WWTP is the City of Newcastle and their city office is at 608 Broadway Ave (Boxes 23 &24), but the actual physical location of the wastewater plant is what is listed in boxes 25- 27 (box 25 contains the description used in the previous permit and on TCEQs central registry). Since the description listed in item 25 is for the actual wastewater plant location I think that's what needs to be used for the NORI. Please let me know if I am not understanding this correctly and I will make sure this is corrected in our response if need be.
- 2. In reference to item 3, USGS Maps, two 8.5x11USGS maps were provided on pdf pages 52 and 53 of the electronic submission and were electronically book marked as Attachment D. I just wanted to clarify whether these weren't received or are you not accepting the 8.5x11 size for this permit application?

Thanks for your help.

Regards,

Jessica Parks, P.E. Corlett, Probst & Boyd, PLLC 4605 Jacksboro Highway Wichita Falls, Texas 76302 (940) 723-1455

From: Candice Calhoun < Candice. Calhoun@tceq.texas.gov>

Sent: Tuesday, September 24, 2024 9:21 AM

To: <u>cityofnewcastle@brazosnet.com</u> **Cc:** Jessica Parks < jessica@cpbwf.com>

Subject: Application to Renew Permit No. WQ0010647003 - Notice of Deficiency

Importance: High

Dear Mr. Bennett,

The attached Notice of Deficiency (NOD) letter dated <u>September 24, 2024,</u> requests additional information needed to declare the application administratively complete. Please send complete response by <u>October 8, 2024.</u>

Please let me know if you have any questions.

Regards,



Candice Calhoun

Texas Commission on Environmental Quality Water Quality Division 512-239-4312 candice.calhoun@tceq.texas.gov

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



Texas Registered Engineering Firm F-279 Texas Licensed Surveying Firm 100541-00

October 7, 2024

Texas Commission on Environmental Quality Applications Review and Processing Team MC148 Candice Calhoun Building F, Room 2101 12100 Park 35 Circle Austin, Texas 78753

RE: Application to Renew Permit No.: WQ0010647003

> Applicant Name: City of Newcastle (CN600335020) Site Name: City of Newcastle WWTP (RN101611770)

Type of Application: Renewal

Ms.Calhoun:

Below are the responses to your comments from September 24, 2024.

1. Core Data Form (CDF)

The core data form has been revised to remove the information in box 23 since there is no street address for the wastewater treatment plant. The information listed in boxes 25-28 is the correct description of the physical location. See the attached revised core data form.

2. Administrative Report 1.0

Section 9.0 has been revised to move the information that was inadvertently placed in section F to section E, which is the correct location. See the attached revised sheet (page 8 of 17).

3. USGS Topographic Map

The correct topographic maps were provided in the original submission and were inadvertently overlooked. However, a technical review from Hannah Zellner on 9/24/24 has highlighted an issue with these maps that needed addressed. I have included the revised USGS that were submitted with the response to this technical review in this email for your reference. The USGS Maps on PDF page 62 has been revised to accurately show the irrigation and buffer zone. The USGS maps provided on pages 52 and 55 have also been revised for continuity. See the attached USGS Map.

4. Plain Language Summary (PLS)
The plain language summary was revised to include the correct flow. See the attached revised plain language summary.

5. NORI Review

- The PENDING APPLICANT RESPONSE portion should read "approximately 1.5 miles west of the intersection of SH 251 and FM 926"
- Also, City needs to be capitalized in "City of Newcastle" six lines down from the top.

If you have any questions, please feel free to contact me by telephone at (940) 723-1455, or by email at jessica@cpbwf.com.

Respectfully, Corlett, Probst & Boyd, PLLC

Justice J. Parker P.E.

Jessica L. Parks, P.E.

Encl.



18. Telephone Number

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 pro	ovided.)						
☐ New Pern	nit, Registratio	n or Authorization (Core Data Form	should be s	ubmitte	d with the	e progi	ram application.)			
Renewal (Core Data Form should be submitted with the renewal form)						Other					
2. Customer	2. Customer Reference Number (if issued) Follow this link to					arcii	3. Reg	gulated Entity Ref	erence	Number (if i	issued)
CN 600335020 for CN or RN numl Central Registre						RN 1	.01611770				
SECTION	N II: C	ustomer	Inform	<u>ation</u>							
4. General Cu	ıstomer Infor	rmation	nation 5. Effective Date for Customer Inform				ation	Updates (mm/dd/	уууу)		
New Customer											
		nitted here may b er of Public Accou	-	tomaticall	y based	d on wha	at is c	urrent and active	with th	ne Texas Seci	retary of State
6. Customer	Legal Name (If an individual, prii	nt last name firs	t: eg: Doe, Jo	ohn)			If new Customer,	enter pre	vious Custom	er below:
City of Newcas	tle										
7. TX SOS/CP	A Filing Num	ber	8. TX State Ta	ax ID (11 di	gits)			9. Federal Tax II)	10. DUNS	Number (if
N/A			17560006235				(9 digits) 134921613				
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11. Type of C	ustomer:	☐ Corporat	ion			i	Individ	idual Partnership: ☐ General ☐ Limi			eral 🗌 Limited
Government:	☑ City ☐ Cou	nty 🗌 Federal 🔲	_ocal	Other			Sole Pi	Proprietorship			
12. Number o	of Employees	3				•		13. Independently Owned and Operated?			
⊠ 0-20 □ 2	21-100 🔲 1	101-250	500 🔲 501 a	nd higher				☐ Yes [⊠ No		
14. Customer	Role (Propos	ed or Actual) – as it	relates to the R	egulated En	tity liste	ed on this	form.	Please check one of	the follo	wing	
Owner Occupation	_	Operator Responsible Par		ner & Operat CP/BSA Appl				Other:			
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Address:	City N	lewcastle		State	TX	7	IP	76372		ZIP + 4	<u> </u>
					.,,						
16. Country N	Mailing Infori	mation (if outside	USA)			17. E-Mail Address (if applicable)					
N/A					cityofnewcastle@brazosnet.com						

TCEQ-10400 (11/22) Page 1 of 3

20. Fax Number (if applicable)

19. Extension or Code

(940) 846-3547	0	(940) 846-3200
(540) 640 5547	o .	(540) 640 3200

SECTION III: Regulated Entity Information

21. General Regulated En	tity Informa	tion (If 'New Rec	gulated Entity" is selei	ted a new nern	nit annlication	on is also r	equired)			
21. General Regulated Entity Information (If 'New Regulated Entity" is selected, a new permit application is also required.)										
☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information										
The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).										
22. Regulated Entity Nam	ne (Enter nam	e of the site wher	re the regulated action	n is taking place.	.)					
City of Newcastle										
23. Street Address of the Regulated Entity:										
(No PO Boxes)	City		State		ZIP			ZIP + 4		
24. County		1	1		.		•		1	
		If no Stree	et Address is provi	led, fields 25-	28 are requ	uired.				
25. Description to										
Physical Location:	Plant Location	on: Approximatel	y 1.5 miles west of the	e intersection of	SH 251 and	l FM 926 ir	Young Count	ty.		
26. Nearest City				State				Nearest ZIP Code		
Newcastle				TX			76372			
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).										
used to supply coordinate	es where no	ne have been p	provided or to gain	accuracy).				·	,	
27. Latitude (N) In Decim		ne have been p	rovided or to gain		gitude (W)	In Decim	nal:	·		
		ne have been p	Provided or to gain Seconds			-	nal:		Seconds	
27. Latitude (N) In Decim	al: Minutes	ne have been p		28. Lon		-				
27. Latitude (N) In Decim	al: Minutes		Seconds 11	28. Lon	98	Mi	nutes	-	Seconds 22	
27. Latitude (N) In Decim Degrees 33	Minutes	11	Seconds 11	28. Lon	98	Mi	nutes 45	dary NAIC	Seconds 22	
27. Latitude (N) In Decim Degrees 33 29. Primary SIC Code	Minutes	11 Secondary SIC	Seconds 11	28. Lon Degrees	98	Mi	nutes 45 32. Secon	dary NAIC	Seconds 22	
27. Latitude (N) In Decim Degrees 33 29. Primary SIC Code (4 digits)	Minutes 30. (4 di	11 Secondary SIC (igits)	Seconds 11 Code	28. Lon Degrees 31. Primary (5 or 6 digits)	98 NAICS Code	Mi	nutes 45 32. Secon	dary NAIC	Seconds 22	
27. Latitude (N) In Decim Degrees 33 29. Primary SIC Code (4 digits) 4952	Minutes 30. (4 di	11 Secondary SIC (igits)	Seconds 11 Code	28. Lon Degrees 31. Primary (5 or 6 digits)	98 NAICS Code	Mi	nutes 45 32. Secon	dary NAIC	Seconds 22	
27. Latitude (N) In Decim Degrees 33 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Municipal Operations	Minutes 30. (4 di	11 Secondary SIC (igits)	Seconds 11 Code	28. Lon Degrees 31. Primary (5 or 6 digits)	98 NAICS Code	Mi	nutes 45 32. Secon	dary NAIC	Seconds 22	
27. Latitude (N) In Decim Degrees 33 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E	Minutes 30. (4 di	Secondary SIC digits) his entity? (Do	Seconds 11 Code	28. Lon Degrees 31. Primary (5 or 6 digits)	98 NAICS Code	Mi	nutes 45 32. Secon	dary NAIC	Seconds 22	
27. Latitude (N) In Decim Degrees 33 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Municipal Operations	Minutes 30. (4 di	Secondary SIC (igits) his entity? (Do	Seconds 11 Code o not repeat the SIC o	28. Lon Degrees 31. Primary (5 or 6 digits) 221320 r NAICS descript	98 NAICS Code	e e	nutes 45 32. Secon	dary NAIC	Seconds 22	
27. Latitude (N) In Decim Degrees 33 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Municipal Operations 34. Mailing Address:	Al: Minutes 30. (4 di Business of t PO Box 66 City	Secondary SIC digits) his entity? (Do	Seconds 11 Code o not repeat the SIC o	28. Lon Degrees 31. Primary (5 or 6 digits)	98 NAICS Code	Mi	nutes 45 32. Secon	dary NAIC	Seconds 22	
27. Latitude (N) In Decim Degrees 33 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Municipal Operations 34. Mailing	Al: Minutes 30. (4 di Business of t PO Box 66 City	Secondary SIC (igits) his entity? (Do	Seconds 11 Code o not repeat the SIC o	28. Lon Degrees 31. Primary (5 or 6 digits) 221320 r NAICS descript	98 NAICS Code	e e	nutes 45 32. Secon	dary NAIC	Seconds 22	
27. Latitude (N) In Decim Degrees 33 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Municipal Operations 34. Mailing Address:	Al: Minutes 30. (4 di Business of t PO Box 66 City	Secondary SIC digits) his entity? (Do	Seconds 11 Code o not repeat the SIC o	28. Lon Degrees 31. Primary (5 or 6 digits) 221320 Tr NAICS descript	98 NAICS Code ion.)	76372	nutes 45 32. Secon	dary NAIC ts)	Seconds 22	

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

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☐ Dam Safety	,	Districts	Edwards Aquifer		Emissions Inventory Air	Industrial Hazardous Waste
Municipal S	Solid Waste	New Source Review Air	OSSF	С	Petroleum Storage Tank	□ PWS
Sludge		Storm Water	☐ Title V Air		Tires	Used Oil
☐ Voluntary (Cleanup	☐ Wastewater	☐ Wastewater Agricul	ture	Water Rights	Other:
SECTION IV: Preparer Information						
40. Name:	Corlett, Probst & Boyd, PLLC		41. Title: Engineer			
42. Telephone	Number	43. Ext./Code	44. Fax Number	45. E-Mail	l Address	
(940) 723-1455			() -	jessica@cp	bwf.com	

SECTION V: Authorized Signature

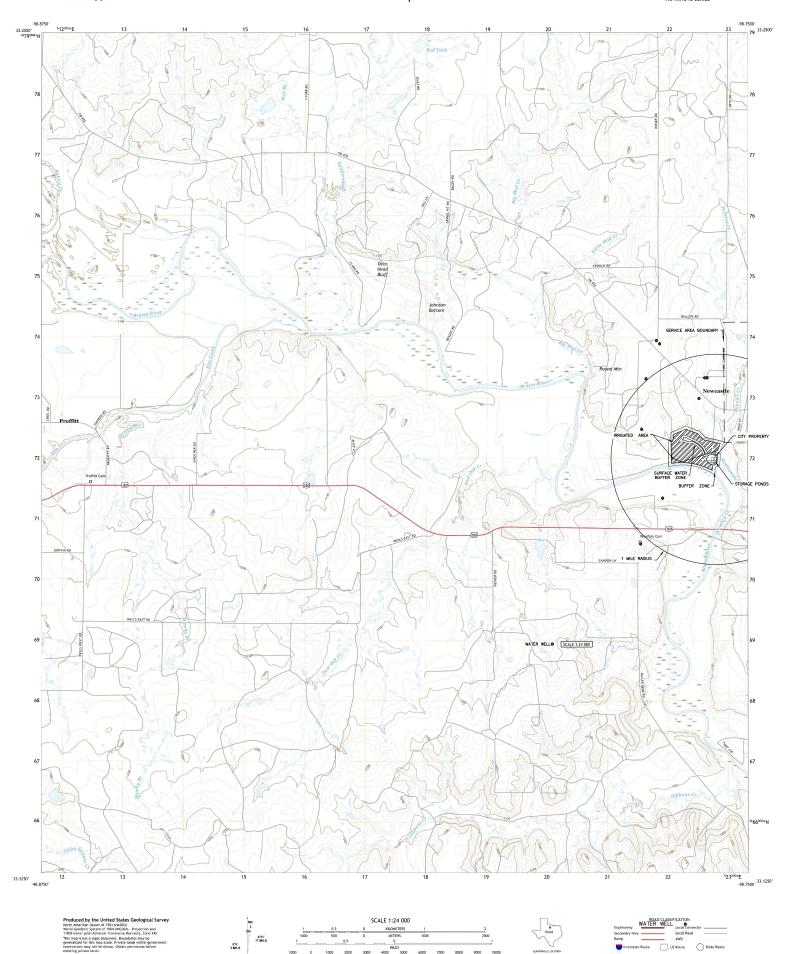
46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified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

Company:	Corlett, Probst & Boyd, PLLC	Job Title:	Profession	al Engineer	
Name (In Print):	Jessica L. Parks			Phone:	(940) 723- 1455
Signature:	Justice J. Party P.E.		Date:	09/26/24	

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	Prefix: Click to enter text. Las	Name, First Name: Phillips, Neal and Weta
	Title: Click to enter text. Cre	dential: <u>N/A</u>
	Organization Name: <u>N/A</u>	
	Mailing Address: <u>PO Box 276 and 1311 l</u> TX, 76372 and 76450, respectively	Roanoke Dr, respectively City, State, Zip Code: <u>TX and</u>
	Phone No.: <u>N/A</u> E-r	nail Address: <u>N/A</u>
	If the landowner is not the same persagreement or deed recorded easemer	on as the facility owner or co-applicant, attach a lease t. See instructions.
	Attachment: C: 20 Acre Tract, 63 Ac	<u>re Tract</u>
F.	F. Owner sewage sludge disposal site (if property owned or controlled by the	authorization is requested for sludge disposal on applicant)::
	Prefix: Click to enter text. Las	Name, First Name: Click to enter text.
	Title: Click to enter text. Cre	dential:
	Organization Name:	
	Mailing Address: Click to enter text.	City, State, Zip Code: Click to enter text.
	Phone No.: E-r	nail Address:
	If the landowner is not the same persagreement or deed recorded easemen	on as the facility owner or co-applicant, attach a lease t. See instructions.
	Attachment: Click to enter text.	
Se	Section 10. TPDES Discharge I	nformation (Instructions Page 31)
A.	A. Is the wastewater treatment facility lo	ocation in the existing permit accurate?
	⊠ Yes □ No	
	If no, or a new permit application, p	ease give an accurate description:
	N/A	
B.	B. Are the point(s) of discharge and the	discharge route(s) in the existing permit correct?
	⊠ Yes □ No	
		t application, provide an accurate description of the
	TAC Chapter 307:	route to the nearest classified segment as defined in 30
	N/A	
	City nearest the outfall(s): N/A	
	County in which the outfalls(s) is/are	located: <u>N/A</u>
C.	C. Is or will the treated wastewater disclarated a flood control district drainage ditch	narge to a city, county, or state highway right-of-way, or

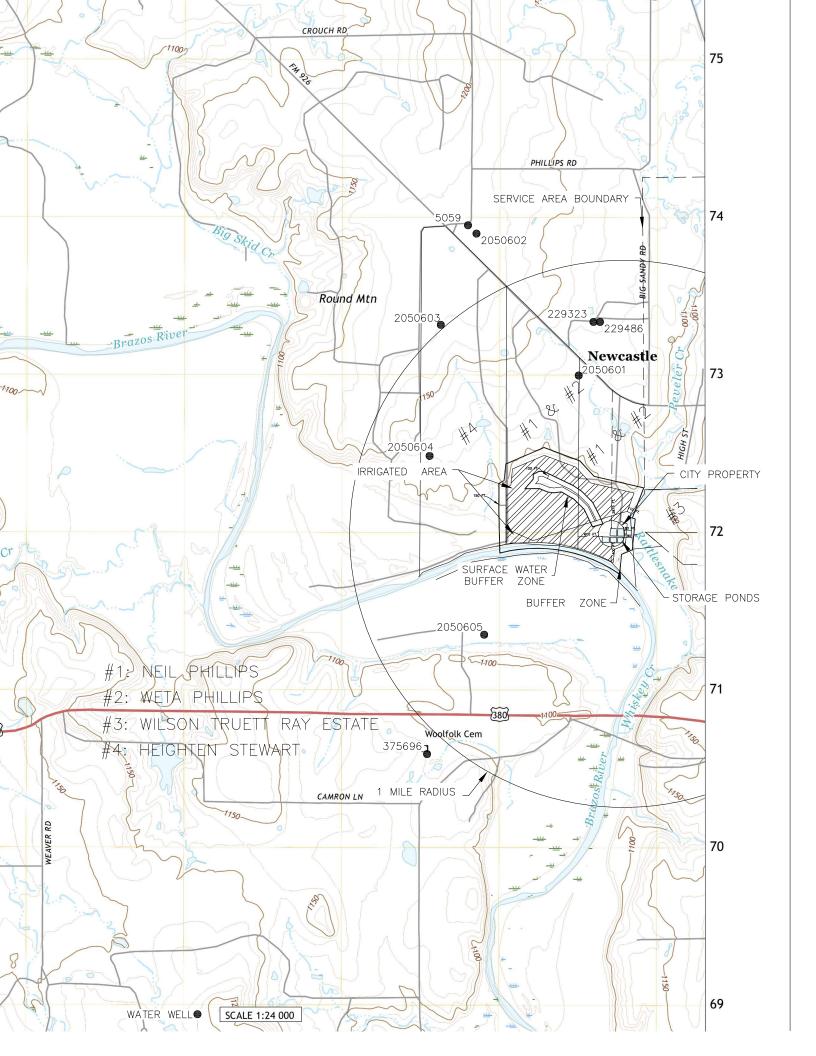
E. Owner of effluent disposal site:



U.S. National Grid 100,000 - m Square D

DWG P-10/3/2024 10:08 SITE WW PERMIT RENEWAL REVISED.DWG WWTP\2024 NEWCASTLE S:\ULP\2024 PROJECTS\24-0419 NEWCASTLE 2024 S-10/3/2024 9:58 AM JESSICA PARKS

 $\stackrel{\mathsf{AM}}{\sim}$



TCEQ

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.

The City of Newcastle (CN 600335020) operates Wastewater Treatment Plant (RN 101611770), a pond system with an Imhoff tank, one stabilization pond, four storage ponds, and sludge drying beds. The facility is located at Approximately 1.5 miles west of the intersection of State HWY 251 and FM 926, in Newcastle, Young County, Texas 76372. This application is for the renewal to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.06 million gallons per day (MGD) via surface irrigation of 20 acres of non-public access range land in the Interim phase and 83 acres of non-public access range land in the final phase. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package.

Domestic wastewater is treated by pond system with an Imhoff tank, one stabilization pond, four storage ponds, and sludge drying beds.	