

# **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

# ENGLISH LANGUAGE TEMPLATE FOR CAFO PERMIT APPLICATIONS

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by the TCEQ Public Participation Plan and Language Access Plan. 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.

- 1) Applicant's Name: Oene Keuning
- 2) Enter Customer Number: CN602622854
- 3) Name of facility: Okee Dairy
- 4) Enter Regulated Entity Number: RN102004272
- 5) Provide your permit Number: WO0004108000
- 6) Facility Business: The facility confines 2,000 head of cattle in which 1,500 are milking. The facility has six (6) land management units (LMUs) with the following acreages: LMU #1 46, LMU #2 26, LMU#3 45, LMU #4 72, LMU #5 24 and LMU #6 100 acres. Two (2) retention control structures (RCSs), one (1) slurry pit and two (2) settling ponds. The required capacities are: RCS #1 9.19 ac-ft and RCS #2 26.46 ac-ft. There are nine (9) onsite wells of which three are plugged. The facility is located in the North Bosque River in Segment No. 1226 of the Brazos River Basin.
- 7) Facility Location: The facility is located at 4745 County Road 207, Hico, Hamilton County, Texas.
- 8) Application Type: Individual Permit Major Amendment
- 9) Description of your request: Reconfigure LMUs, addition of land, addition of new LMUs, reconfigure the drainage area, addition of a freestall barn, remove the slurry pit, expansion of the hospital barn, addition of a pen located to the East of the freestall barn and addition of Wells #10, #11 and #12.
- 10)Potential pollutant sources at the facility include (list the pollutant sources): Manure, manure stockpiles, wastewater, sludge, slurry, compost, feed & bedding, silage stockpiles, dead animals, dust, lubricants, parlor chemicals, pesticides and fuel storage tanks.
- 11) The following best management practices will be implemented at the site to manage pollutants from the listed pollutant sources (describe the best management practices that are used): stormwater is stored in the lagoon (RCS) until land applied through irrigation and manure and sludge are stockpiled in the drainage area of the RCS until land applied or hauled offsite for beneficial use. Manure and sludge generated by the CAFO will be retained and used in an appropriate and beneficial manner in accordance with a certified site-specific nutrient management plan. Wastewater will be contained in the RCS properly designed ((25-year frequency 10-day duration (25 year/10 day), constructed, operated and maintained according to the provision of the permit. Maintain 100-foot buffer for all irrigation wells or 150-foot for all supply wells. Dust control speed and regular pen maintenance. Fertilizers store under roof and handle according to specified label directions. Fuel Tanks provide secondary containment and prevent overfills/spills. Dead

- animals dispose by a third-party rendering service, buried on-site or compost onsite. Collected within 24 hours of death and disposed within three days.
- 12) Unless otherwise limited, manure, sludge, or wastewater will not be discharged from a land management unit (LMU) or a retention control structure (RCS) into or adjacent to water in the state from a CAFO except resulting from any of the following conditions:
- 1) a discharge of manure, sludge, or wastewater that the permittee cannot reasonably prevent or control resulting from a catastrophic condition other than a rainfall event;
- 2) overflow of manure, sludge, or wastewater from a RCS resulting from a chronic/catastrophic rainfall event; or
- 3) a chronic/catastrophic rainfall discharge from a LMU that occurs because the permittee takes measures to de-water the RCS if the RCS is in danger of imminent overflow.

# **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**



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

# PERMIT NO. WQ0004108000

APPLICATION. Oene Keuning, 4745 County Road 207, Hico, Texas 76457, who owns a dairy cattle facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Wastewater Permit No. WQ0004108000 (EPA I.D. No. TX0128619) for a Concentrated Animal Feeding Operation (CAFO) to authorize reconfiguring the LMUs, adding land, adding new LMUs, reconfiguring the drainage area, adding a freestall barn, removing the slurry pit, expansion of the hospital barn, adding a pen located to the East of the freestall barn and adding wells #10, #11, & #12. The facility is located at 4745 County Road 207, near the city of Hico, in Hamilton County, Texas 76457. TCEQ received this application on July 8, 2025. The permit application will be available for viewing and copying at Hamilton County Ag Extension Office, 101 East Henry Street, Hamilton, 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/cafo-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=-98.031944,31.881388&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.

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 <a href="https://www.tceq.texas.gov/goto/cid">www.tceq.texas.gov/goto/cid</a>. 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 <a href="https://www14.tceq.texas.gov/epic/eComment/">https://www14.tceq.texas.gov/epic/eComment/</a>, 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 <a href="https://www.tceq.texas.gov/goto/pep">www.tceq.texas.gov/goto/pep</a>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Oene Keuning at the address stated above or by calling Mr. Oene Keuning, Owner, at 254-796-4991.

Issuance Date: August 1, 2025

# **Abesha Michael**

From: Jourdan Mullin < jmullin@enviroag.com>

**Sent:** Monday, July 14, 2025 1:43 PM

To: Abesha Michael Cc: Corey Mullin

Subject: RE: Application to Amend Permit No. WQ0004108000 - Notice of Deficiency Letter

Follow Up Flag: Follow up Flag Status: Flagged

Good Afternoon Abesha.

I have reviewed the attached NORI and everything looks correct as shown.

# Respectfully,

# Jourdan Mullin

Enviro-Ag Engineering, Inc. 9855 FM 847 Dublin, TX 76446

254/965-3500 – Work 806/679-5570 - Mobile

From: Corey Mullin <cmullin@enviroag.com>

Sent: Friday, July 11, 2025 7:22 PM

To: Jourdan Mullin < jmullin@enviroag.com>

Subject: Fw: Application to Amend Permit No. WQ0004108000 - Notice of Deficiency Letter

Sent via the Samsung Galaxy S25+, an AT&T 5G smartphone Get Outlook for Android

From: Abesha Michael < Abesha. Michael@tceq.texas.gov >

**Sent:** Friday, July 11, 2025 6:39:26 PM **To:** Corey Mullin <cmullin@enviroag.com>

Subject: Application to Amend Permit No. WQ0004108000 - Notice of Deficiency Letter

CAUTION: This email originated from outside of Enviro-Ag Engineering. Do not click links or open attachments unless you have verified the sender and know the content is safe.

Dear Mr. Mullin:

The attached Notice of Deficiency letter sent on July 11, 2025, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by July 25, 2025.

Thank you,



Abesha H. Michael Applications Review & Processing Team Water Quality Division Support Section Water Quality Division, MC 148 PO Box 13087 Austin, Texas 78711

Phone: 0: 512-239-4912

Email: abesha.michael@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at <a href="https://www.tceq.texas.gov/customersurvey">www.tceq.texas.gov/customersurvey</a>

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Corporate Office: 3404 Airway Blvd. Amarillo TX 79118 Central Texos: 9855 FM 847 Dublin TX 76446 New Mexico: 203 East Main Street Artesia NM 88210

July 2, 2025

TCEQ

Registration, Review and Reporting Division Permits Administration Review Section Water Quality Applications Team, MC-148 12100 Park 35 Circle Austin, TX 78753

Re:

Okee Dairy - Permit No. WQ0004108000

Hamilton County, Texas.

Dear Administrative Review Section,

Enclosed please find the Major Amendment application for the above-mentioned facility. The \$350 application fee was paid electronically, and the voucher is attached. Should you have any questions please do not hesitate to contact me.

Respectfully Submitted,

Jourdan Mullin

Enviro-Ag Engineering, Inc.

Cc: TCEQ Region 4, Stephenville

Okee Dairy

EAE file

RECEIVED

JUL 08 2025

Water Quality Applications Team

# 30 TAC 321, SUBCHAPTER B APPLICATION, POLLUTION PREVENTION PLAN & CNMP

Okee Dairy Major Amendment

Prepared For:

Oene Keuning 4745 County Road 207 Hico, TX 76457

June 18, 2025

Prepared By:





# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# ELECTRONIC WAIVER REQUEST FOR A CONCENTRATED ANIMAL FEEDING OPERATION (CAFO)

A Large CAFO, as defined in the CAFO rules at 30 TAC 321.32(14)(A), must request a waiver from e-reporting requirements codified in 40 Code of Federal Regulations §127.15 OR be required to submit CAFO annual reports electronically.

Are you requesting a waiver from e-reporting requirements?

☑ Yes, Indicate the type of waiver below.

□ Temporary Waive	er
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□ Permanent Waiver (available to facilities and entities owned or operated by members of religious communities that choose not to use certain modern technologies (e.g., computers, electricity))

 $\square$  No, you must submit your application electronically through TCEQ ePermits system (STEERS) at <a href="https://www3.tceq.texas.gov/steers/index.cfm">https://www3.tceq.texas.gov/steers/index.cfm</a>. Check <a href="https://www3.tceq.texas.gov/steers/index.cfm">How to Apply through STEERS</a>.

If an electronic waiver request is granted, the Applicant(s) seeking authorization, or an authorized permittee(s) may continue to submit CAFO annual reports to TCEQ in a paper format.

# Note:

- An approved waiver is not transferrable.
- Each Owner or Operator must request his own waiver.
- Temporary waiver will not extend beyond five years. However, permittees may re-apply for a new temporary waiver, if needed.

State Only CAFOs are exempt from this requirement.



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# INDIVIDUAL PERMIT APPLICATION FOR A CONCENTRATED ANIMAL FEEDING OPERATION (CAFO)

If you have questions about completing this form, please contact the Applications Review and Processing Team at 512-239-4671.

# **SECTION 1. APPLICATION FEE**

Minor Amendment - \$150.00
Renewal - \$315.00
New or Major Amendment - \$350.00

Mailed Check/Money Order Number:

Check/Money Order Amount:

Name Printed on Check:

EPAY Voucher Number: <u>773604 & 773605</u>

Copy of Payment Voucher enclosed? Yes ⊠

# SECTION 2. TYPE OF APPLICATION

A.	Coverage:	State Only □	TPDES ⊠

B. Media Type: Water Quality □ Air and Water Quality ⊠

C. Application Type: New □ Major Amendment ⊠

Renewal 

Minor Amendment

- **D.** For amendments, describe the proposed changes: <u>Reconfigure LMUs</u>, <u>addition of land</u>, <u>addition of new LMUs</u>, <u>reconfigure the drainage area</u>, <u>addition of a freestall barn</u>, <u>remove the slurry pit</u>, <u>expansion of the hospital barn</u>, <u>addition of a pen located to the East of the freestall barn and addition of Wells #10, #11, & #12.</u>
- E. For existing permits:

What is the permit number? WQ0004108000

What is the EPA I.D. Number? TX <u>0128619</u>

# SECTION 3. FACILITY OWNER (APPLICANT) INFORMATION

**A.** What is the legal name of the facility owner?

Oene Keuning

Questions or Comments >>

Shopping Cart

Select Fee

Search Transactions

Sign Out

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

# Transaction Information

Voucher Number: 773604

Trace Number: 582EA000675011

Date: 07/03/2025 09:29 AM

Payment Method: CC - Authorization 000007993G

Voucher Amount: \$300.00

Fee Type: CAFO PERMIT - NEW OR MAJOR AMENDMENT

ePay Actor: JOURDAN MULLIN
Actor Email: jmullin@enviroag.com

IP: 156.146.244.233

#### Payment Contact Information

Name: JOURDAN MULLIN

Company: ENVIRO-AG ENGINEERING INC

Address: 3404 AIRWAY BLVD, AMARILLO, TX 79118

Phone: 806-679-5570

#### Site Information

Site Name: OKEE DAIRY

Site Location: 4745 CR 207 HICO TX 76457

# Customer Information

Customer Name: OENE KEUNING

Customer Address: 4745 CR 207, HICO, TX 76457

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Questions or Comments >>

Shopping Cart

Select Fee

Search Transactions

Sign Out

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

# Transaction Information

Voucher Number: 773605

Trace Number: 582EA000675011

Date: 07/03/2025 09:29 AM

Payment Method: CC - Authorization 000007993G

Voucher Amount: \$50.00

Fee Type: 30 TAC 305.53B WQ NOTIFICATION FEE

ePay Actor: JOURDAN MULLIN
Actor Email: jmullin@enviroag.com
IP: 156.146.244.233

Payment Contact Information-

Name: JOURDAN MULLIN

Company: ENVIRO-AG ENGINEERING INC

Address: 3404 AIRWAY BLVD, AMARILLO, TX 79118

Phone: 806-679-5570

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В	B. If the applicant is an existing TCEQ customer, provide the Customer Number (CN) issued to		
	this entity? CN <u>602622854</u>		
C	C. What is the contact information for the owner?		
	Mailing Address: 4745 CR 207		
	City, State and Zip Code: <u>Hico, TX 76457</u>		
	Phone Number: <u>254/796-4991</u> Fax Number: <u>n/a</u>		
	E-mail Address: <u>n/a</u>		
D	. Indicate the type of customer:		
$\boxtimes$	l Individual		Federal Government
	1		County Government
	T.		State Government
			City Government
			Other Government
	Estate		Other, specify: Click here to enter text.
E.	If the customer type is individual, complete Att	tachi	ment 1.
F.	Is this customer an independent entity?		
		ary,	or part of a larger corporation
G.	Number of employees:		
	□ 0-20 □ 21-100 □ 101-250		□ 251-500 □ 501 or higher
H.	For Corporations and Limited Partnerships:		
	What is the Tax Identification Number issued b	y the	State Comptroller: Click-here to enter
	text.		
	What is the Charter Filing Number issued by the	e Tez	kas Secretary of State: Click here to enter
	text.		
SE	CTION 4. CO-APPLICANT INFORMATION		
Со	mplete this section only if another person or en	tity i	s required to apply as a co-permittee.
A.	What is the legal name of the co-applicant?		
	Click here to enter text.		
B.	If the applicant is an existing TCEQ customer, p this entity? CN Click here to enter to t.	rovi	de the Customer Number (CN) issued to
C.	What is the contact information for the co-appli	cant	?
	Mailing Address: Click here to enter ext.		

	City, State and Zip Code: Click here to enter text.		
	Phone Number: Fax Number: Click hare to en er fext.		
	E-mail Address: Click here to enter text.		
D.	Indicate the type of customer:		
	<ul> <li>□ Inividual</li> <li>□ Limited Partnership</li> <li>□ General Partnership</li> <li>□ State Government</li> <li>□ Trust</li> <li>□ City Government</li> <li>□ Sole Proprietorship (D.B.A.)</li> <li>□ Other Government</li> <li>□ Corporation</li> <li>□ Other, specify: Click here to enter text.</li> <li>□ Estate</li> </ul>		
E.	If the customer type is individual, complete Attachment 1.		
F.	Is this customer an independent entity?		
	$\square$ Yes $\square$ No government, subsidiary, or part of a larger corporation		
G.	Number of employees:  □ 0-20 □ 21-100 □ 101-250 □ 251-500 □ 501 or higher		
H.	H. For Corporations and Limited Partnerships:		
	What is the Tax Identification Number issued by the State Comptroller: Click here to enter		
	text.		
	What is the Charter Filing Number issued by the Texas Secretary of State: Click here to enter		
	text.		
SE	CTION 5. APPLICATION CONTACT INFORMATION		
	is is the person TCEQ will contact if additional information is needed about this plication.		
	Prefix (Mr., Ms., Miss): Mr.		
	Application Contact First and Last Name: Corey Mullin		
	Title: Consultant Credentials: lick here to enter fext		
	Company Name: Enviro-Ag Engineering, Inc.		

Phone Number: <u>254/965-3500</u> Fax Number: <u>254/965-8000</u>

City, State and Zip Code: <u>Dublin, TX 76446</u>

E-mail Address: <a href="mailto:cmullin@enviroag.com">cmullin@enviroag.com</a>

Mailing Address: 9855 FM 847

# **SECTION 6. PERMIT CONTACT INFORMATION**

Provide two names of individuals that TCEQ can contact during the term of the permit.

A. Prefix (Mr., Ms., Miss): Mr.

Permit Contact First and Last Name: Corey Mullin

Title: Consultant Credentials: Tick here to enter text.

Company Name: Enviro-Ag Engineering, Inc.

Mailing Address: 9855 FM 847

City, State and Zip Code: Dublin, TX 76446

Phone Number: <u>254/965-3500</u> Fax Number: <u>254/965-8000</u> E-mail Address:

cmullin@enviroag.com

B. Prefix (Mr., Ms., Miss): Mr.

Permit Contact First and Last Name: Oene Keuning

Title: <u>Owner</u>

Credentials: Lick here to enfer text

Company Name: Okee Dairy

Mailing Address: 4745 CR 207

City, State and Zip Code: Hico, TX 76457

Phone Number: <u>254/796-4991</u> Fax Number: <u>n/a</u> E-mail Address: <u>n/a</u>

# SECTION 7. ANNUAL BILLING CONTACT INFORMATION

Please identify the individual for receiving the annual fee invoices.

Is the billing contact and contact information the same as the Owner or the Co-Applicant identified in Section 3) or Section 4) above?

☑ Yes, specify which applicant on the line below and go to Section 8)

Owner, Oene Keuning

☐ No, complete this section

Prefix (Mr., Ms., Miss): Click here to enter text

First and Last Name: Click here to en er text.

Title: Click here to enter text. Credentials: Click here to enter text.

Company Name: Click here to enter ext.

Mailing Address: Click here to enter ext.

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

Phone Number: Click here to enter text. Fax Number: Click here to enter text. E-mail

Address: Click here to enter text.

# SECTION 8. LANDOWNER INFORMATION

# A. Landowner where the production area is or will be located

Landowner Name: Oene Keuning

# B. Landowner of the land management units (LMUs)

Landowner Name: Oene Keuning

# SECTION 9. PUBLIC NOTICE INFORMATION

# A. Individual responsible for publishing the notices in the newspaper

Prefix (Mr., Ms., Miss): Mrs. First and Last Name: Jourdan Mullin

Title: Consultant Credentials: Lick here to enter text.

Company Name: Enviro-Ag Engineering, Inc.

Mailing Address: 9855 FM 847

City, State and Zip Code: Dublin, TX 76446

Phone Number: 254/965-3500 Fax Number: 254/965-8000 E-mail Address:

jmullin@enviroag.com

# B. Method for receiving the notice package for the Notice of Receipt and Intent

⊠ E-mail: jmullin@enviroag.com

Fax Number: Click here to enter text.

⊠ Regular Mail:

Mailing Address: 9855 FM 847

City, State and Zip Code: <u>Dublin, TX 76446</u>

# C. Contact person to be listed in the notice

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Oene Keuning

Title: Owner Credentials: (lick here to enter tex).

Company Name: <u>Okee Dairy</u> Phone Number: 254/796-4991

# D. Public viewing location

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

Public Building Name: <u>Hamilton County Ag Extension Office</u>

Physical Address of Building: <u>101 E Henry St.</u>

City: Hamilton County: Hamilton County

Phone Number: <u>254/386-3919</u>

# E. Bilingual Notice Requirement

For new, major amendment, and renewal applications. This information can be obtained by contacting the bilingual/ESL coordinator at the nearest elementary or middle school.

1. Is a bilingual education program required by the Texas Education Code at the nearest elementary or middle school to the facility or proposed facility?

Yes □ No ☒

(**If No**, alternative language notice publication is not required; skip to Section 10. Regulated Entity (Site) Information.)

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

Yes □ No □

**3.** Do the students at these schools attend a bilingual education program at another location?

Yes □ No □

- **4.** Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)? Yes  $\Box$  No  $\Box$
- **5.** If the answer is yes to 1, 2, 3, or 4, public notice in an alternative language is required. Which language is required by the bilingual program?
- **6.** Complete the <u>CAFO Plain Language Summary Template</u> (English) for CAFO Permit Applications for a new, renewal, major or minor amendment and submit with this application.

If a bilingual education program is required by the Texas Education Code at the nearest elementary or middle school to the facility or proposed facility, also complete the <u>CAFO Plain Language Summary Template</u> (Spanish) or provide a translated copy of the completed English plain language summary in the appropriate alternative language if different from Spanish.

# F. Public Involvement Plan Form

Complete and attach one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment to a permit.

# SECTION 10. REGULATED ENTITY (SITE) INFORMATION

- A. Site Name as known by the local community: Okee Dairy
- **B.** If this is an existing permitted site, provide the Regulated Entity Number (RN) issued to this site? RN <u>102004272</u>
- C. Site Address/Location:

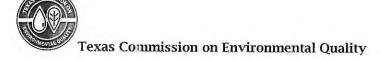
If the site has a physical address such as 12100 Park 35 Circle, Austin, TX 78753, complete Item 1.

# ENGLISH LANGUAGE TEMPLATE FOR CAFO PERMIT APPLICATIONS

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by the TCEQ Public Participation Plan and Language Access Plan. 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.

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- 4) Enter Regulated Entity Number: RN102004272
- 5) Provide your permit Number: WO0004108000
- 6) Facility Business: The facility confines 2,000 head of cattle in which 1,500 are milking. The facility has six (6) land management units (LMUs) with the following acreages: LMU #1 46, LMU #2 26, LMU#3 45, LMU #4 72, LMU #5 24 and LMU #6 100 acres. Two (2) retention control structures (RCSs), one (1) slurry pit and two (2) settling ponds. The required capacities are: RCS #1 9.19 ac-ft and RCS #2 26.46 ac-ft. There are nine (9) onsite wells of which three are plugged. The facility is located in the North Bosque River in Segment No. 1226 of the Brazos River Basin.
- 7) Facility Location: The facility is located at 4745 County Road 207, Hico, Hamilton County, Texas.
- 8) Application Type: Individual Permit Major Amendment
- 9) Description of your request: Reconfigure LMUs, addition of land, addition of new LMUs, reconfigure the drainage area, addition of a freestall barn, remove the slurry pit, expansion of the hospital barn, addition of a pen located to the East of the freestall barn and addition of Wells #10, #11 and #12.
- 10)Potential pollutant sources at the facility include (list the pollutant sources): Manure, manure stockpiles, wastewater, sludge, slurry, compost, feed & bedding, silage stockpiles, dead animals, dust, lubricants, parlor chemicals, pesticides and fuel storage tanks.
- 11)The following best management practices will be implemented at the site to manage pollutants from the listed pollutant sources (describe the best management practices that are used): stormwater is stored in the lagoon (RCS) until land applied through irrigation and manure and sludge are stockpiled in the drainage area of the RCS until land applied or hauled offsite for beneficial use. Manure and sludge generated by the CAFO will be retained and used in an appropriate and beneficial manner in accordance with a certified site-specific nutrient management plan. Wastewater will be contained in the RCS properly designed ((25-year frequency 10-day duration (25 year/10 day), constructed, operated and maintained according to the provision of the permit. Maintain 100-foot buffer for all irrigation wells or 150-foot for all supply wells. Dust control speed and regular pen maintenance. Fertilizers store under roof and handle according to specified label directions. Fuel Tanks provide secondary containment and prevent overfills/spills. Dead

- animals dispose by a third-party rendering service, buried on-site or compost onsite. Collected within 24 hours of death and disposed within three days.
- 12) Unless otherwise limited, manure, sludge, or wastewater will not be discharged from a land management unit (LMU) or a retention control structure (RCS) into or adjacent to water in the state from a CAFO except resulting from any of the following conditions:
- 1) a discharge of manure, sludge, or wastewater that the permittee cannot reasonably prevent or control resulting from a catastrophic condition other than a rainfall event;
- 2) overflow of manure, sludge, or wastewater from a RCS resulting from a chronic/catastrophic rainfall event; or
- 3) a chronic/catastrophic rainfall discharge from a LMU that occurs because the permittee takes measures to de-water the RCS if the RCS is in danger of imminent overflow.



# Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening
New Permit or Registration Application  X New Activity - modification, registration, amendment, facility, etc. (see instructions)
If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.
Section 2. Secondary Screening
X Requires public notice,
Considered to have significant public interest, and
Located within any of the following geographical locations:
<ul> <li>Austin</li> <li>Dallas</li> <li>Fort Worth</li> <li>Houston</li> <li>San Antonio</li> <li>West Texas</li> <li>Texas Panhandle</li> <li>Along the Texas/Mexico Border</li> <li>Other geographical locations should be decided on a case-by-case basis</li> </ul>
If all the above boxes are not checked, a Public Involvement Plan is not necessary.  Stop after Section 2 and submit the form.
Public Involvement Plan not applicable to this application. Provide <b>brief</b> explanation.

Section 3. Application Information
Type of Application (check all that apply):
Air Initial Federal Amendment Standard Permit Title V
Waste Municipal Solid Waste Industrial and Hazardous Waste Scrap Tire Radioactive Material Licensing Underground Injection Control
Water Quality
X Texas Pollutant Discharge Elimination System (TPDES)
Texas Land Application Permit (TLAP)
XState Only Concentrated Animal Feeding Operation (CAFO)
Water Treatment Plant Residuals Disposal Permit
Class B Biosolids Land Application Permit
Domestic Septage Land Application Registration
Water Rights New Permit
New Appropriation of Water
New or existing reservoir
Amendment to an Existing Water Right
Add a New Appropriation of Water
Add a New or Existing Reservoir
Major Amendment that could affect other water rights or the environment
Section 4. Plain Language Summary
Okee Dairy is a dairy milking facility.
ORCE Daily is a daily innking facility.

Section 5. Community and Demographic Information
Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.
Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.
Hico (City)
Hamilton
(County)
(Census Tract) Please indicate which of these three is the level used for gathering the following information.
City County X Census Tract
(a) Percent of people over 25 years of age who at least graduated from high school
88.9%
(b) Per capita income for population near the specified location
\$24,810
(c) Percent of minority population and percent of population by race within the specified location
White - 75.6%. Black or African American - 3.29%. Hispanic - 12.7%. Two or More Races - 2.11%. Other - 2.68%. Asian - 1.3%. Indian - 1.6%. Multiracial - 0.72%
(d) Percent of Linguistically Isolated Households by language within the specified location 0%
(e) Languages commonly spoken in area by percentage
English - 89.4%
Spanish -
10.6% f) Community and/or Stakeholder Groups
N/A
g) Historic public interest or involvement
N/A

Section 6. Planned Public Outreach Activities
(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?  X Yes No
(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?  Yes No
If Yes, please describe.
it ites, piedec describe.
If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.  (c) Will you provide notice of this application in alternative languages?
Yes No
Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.
If yes, how will you provide notice in alternative languages?
Publish in alternative language newspaper
Posted on Commissioner's Integrated Database Website
Mailed by TCEQ's Office of the Chief Clerk
Other (specify)
(d) Is there an opportunity for some type of public meeting, including after notice?
Yes No
(e) If a public meeting is held, will a translator be provided if requested?
Yes No
(f) Hard copies of the application will be available at the following (check all that apply):
TCEQ Regional Office TCEQ Central Office
Public Place (specify)
Section 7. Voluntary Submittal
For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.
Will you provide notice of this application, including notice in alternative languages?  Yes No
What types of notice will be provided?
X Publish in alternative language newspaper
Posted on Commissioner's Integrated Database Website
Mailed by TCEQ's Office of the Chief Clerk
Other (specify)

If the site does not have a physical address, provide a location description in Item 2. Example: located on the north side of FM 123, 2 miles west of the intersection of FM 123 and Highway 1. Item 1: Physical Address of Project or Site: Street Number and Name: 4745 CR 207 City, State and Zip Code: <u>Hico, TX 76457</u> **Item 2: Site Location Description:** Location description: Click here to enter text. City where the site is located or, if not in a city, what is the nearest city: Click here to enter text. Zip Code where the site is located: Click here to enter text. **D.** County or counties if more than 1: Hamilton E. Latitude: 31 52' 52.81" N Longitude: 98 01' 55.18"W **F.** Animal Type:  $\boxtimes$ Dairy-0241 Sheep/Goats-0214 Beef Cattle- 0211 Auction-5154 Swine-0213 Other, specify: Click here to enter Broiler-0251 text. Laying Hens-0252 G. Existing Maximum Number of Animals: 2,000 Total; 1,500 Milking Proposed Maximum Number of Animals: 2,000 Total; 1,500 Milking H. What is the total LMU acreage? 463 SECTION 11. MISCELLANEOUS INFORMATION A. Did any person who was formerly employed by the TCEQ represent your company and get paid for service regarding this application? Yes  $\square$ No 🗵 If yes, provide the name(s) of the former TCEQ employee(s): Click here to enter text. **B.** Is the facility located on Indian Country Lands? Yes □ No 🗵 If yes, do not submit this application. You must obtain authorization through EPA Region 6. **C.** Is the production area located within the protection zone of a sole source drinking water supply? Yes 🗆 No 🗵

E. Delinquent Fees and Penalties:

land(s). Click here to enter text.

If yes, provide the location and foreseeable impacts and effects this application has on the

No ⊠

**D.** Is any permanent school fund land affected by this application? Yes  $\Box$ 

Do you owe fees to the TCEQ? Yes  $\square$  No  $\boxtimes$  Do you owe any penalties to the TCEQ? Yes  $\square$  No  $\boxtimes$ 

If you answered yes to either of the above questions, provide the amount owed, the type of fee or penalty, and an identifying number.

Click here to enter text.

# SECTION 12. AFFECTED LANDOWNER INFORMATION

This section must be completed if the application type is new or major amendment. If the application type is renewal or minor amendment, skip to Section 13.

- A. Landowner map. Attach a landowner map or drawing, with scale, that includes the following. Each landowner should be designated by a letter or number on both the list and the map.
  - · The applicant's property boundaries, including onsite and offsite LMUs; and
  - The property boundaries of all landowners within 500 feet of the applicant's property.
- **B.** Landowner list. Attach a separate list of the landowners' names and mailing addresses. The list must be cross-referenced to the landowners map.
- C. Landowner list media. Indicate the format of the landowners list.
  - ☑ Read/Writeable CD
  - ☐ 4 sets of mailing labels
- **D.** Landowner data source. Provide the source of the landowners' names and mailing addresses.

Hamilton County Appraisal District

# **SECTION 13. ATTACHMENTS**

# A. All applications

- Supplemental Permit Information Form, if required by instructions on that form
- Current copy of tax records or deed showing ownership of the land
- Lease agreement, if LMUs are not owned by the applicant or co-applicant

# B. New, Major amendment, or Renewal

Completed Technical Information Packet (TCEQ-00760).

# C. New and Major amendment

• Public Involvement Plan Form (TCEQ-20960)

# D. Minor Amendment

Attach the following items if applicable:

Current vicinity map, site map, runoff control map, and LMU map

- RCS design calculations
- Nutrient Management Plan or Land application rate calculations
- Other technical documents affected by the proposed amendment

# SIGNATURE PAGE

If co-applicants are required, each co-applicant must submit an original, separate signature page.

Permit Number: WQ0004108000

Applicant: Oene Keuning

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: <u>Oene Keuning</u>	
Title: <u>Owner</u>	
Signature:	Date:
SUBSCRIBED AND SWORN to before me by	
this 2 nd day of July	, 20 🗦
My commission expires on the $25^{+6}$	day of Febra, 20 28
THINK AD LYN GROWN	Jan 1900 - Section of the section of
THE OF TH	Notary Public
10 F OF TET	County, Texas
11/11/102-25-20 MINING	County, Texas

# Attachment 1 Individual Information

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

Prefix (Mr., Ms., Miss): Mr.

Full Legal Name, including middle name: Oene Keuning

Driver's License or State Identification Number: XXXXXXXX

State that Issued the License or Identification Number: <u>Texas</u>

Date of Birth: XX/XX/XXXX

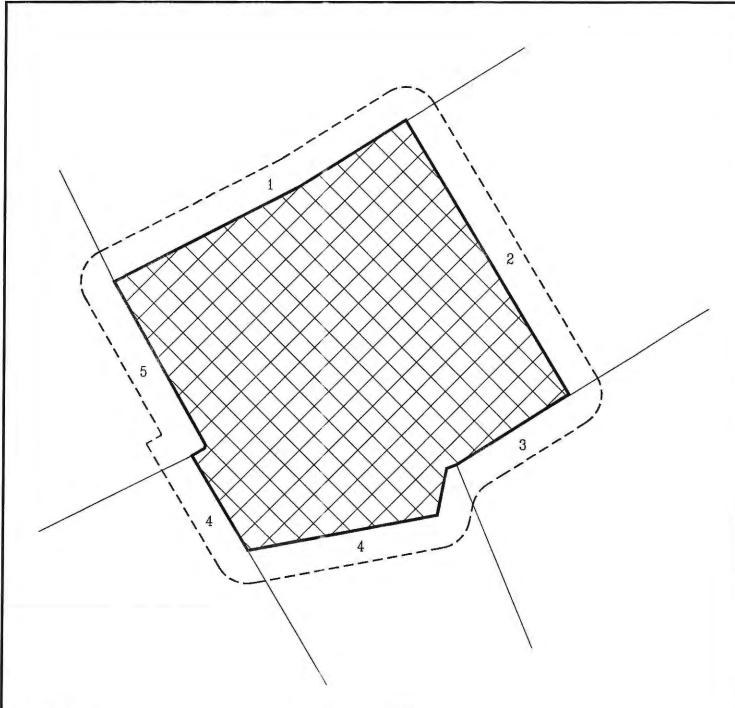
Mailing Address: 4745 CR 207

City, State and Zip Code: Hico, TX 76457

Phone Number: 254/796-4991 Fax Number: n/a

E-mail Address: n/a

For TCEQ Use Only	
Customer Number Regulated Entity Number Permit Number	



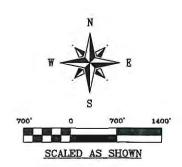
LEGEND:

Denotes Okee Dairy Property

— — Denotes 500' Radius

— Denotes Adjacent Landowner Tract

Map Generated 6/16/2025



Source: Hamilton County Appraisal District

Okee Dairy Hico, Texas Hamilton County Adjacent Landowner Map



Enviro-Ag Engineering, Inc.
ENGINEERING CONSULTANTS
3404 Airway Bhd.
AMARILLO, TEXAS 79118
TEL (806) 353-6123 FAX (806) 353-4132

# ADJACENT LANDOWNERS LIST

Name Lake M. Davis	Name David & Leslie DeJong
Number on Map <u>1</u>	Number on Map 5
Address P.O. Box 466	Address 4483 E FM 219
Address <u>Hico, TX 76457</u>	Address Hico, TX 76457
Name Joseph Hennessy	
Number on Map 2	
Address 6135 CR 207	
Address <u>Hico, TX 76457</u>	
Name Gary & Jana Crabtree	
Number on Map 3	
Address P.O. Box 690	
Address Glen Rose, TX 76043	
Name 4P Pastures, LLC	
Number on Map 4	
Address 4483 E. FM 219	
Address Hico, TX 76457	

Please identify where you obtained the landowner information.

Hamilton County Appraisal District; June 2025

Facility Name Okee Dairy

# Hamilton CAD Property Search

■ Property De	etails
Account	
Property ID:	19945
Туре:	R
Property Use:	
Location	

Geographic ID: 26000000000790001

Zoning:

Location Situs Address:

4745 CR 207 FAIRY, TX

Map ID: HI5 Legal Description: 468

468 R KENNEDY, ACRES: 176.5

Abstract/Subdivision: A00468

Neighborhood: (HICO) HICO STUDY

Owner

 Owner ID:
 20609

 Name:
 KEUNING OENE

Agent:

Mailing Address:

4745 CR 207 HICO, TX 76457 100.0%

% Ownership: Exemptions:

AB -

For privacy reasons not all exemptions are shown online.

	Property Value	S
A.	LI ODELTA ASIGE	3

Improvement Homesite Value:	\$141,700 (+)
Improvement Non-Homesite Value:	50 (+)
Land Homesite Value:	\$0 (+)
Land Non-Homesite Value:	55,000 (+)
Agricultural Market Valuation:	\$877,500 (+)
Market Value:	\$1,024,200 (=)
Agricultural Value Loss: 0	\$358,980 (-)
Appraised Value:0	\$165,220 (=)
HS Cap Loss: 0	50 (-)

https://esearch.hamiltonced.org/property/view/19945?psintView=detail

1/10

https://esearch.hamiltoncad.org/property/viow/199457printViow=detail

2/10

### 6/16/25, 3:37 PM

F	lamilto	n CAF	Prop	new Sa	mreh

■ Property	Improvement - Building	
------------	------------------------	--

Type: Mobile Home Living Area: 2324.0 sqft Value: \$141,70	0
--	---

Туре	Description	Class CD	Year Built	SQFT
мн	мн	MH2	2019	728
мн	МН	MH2	2019	866
ИН	мн	MH2	2022	728
CPT	CARPORT	CPT1	2022	480
CPT	CARPORT	CPT1	2022	600
CPT	CARPORT	CPT1	2022	576

# ■ Property Land

Туре	Description	Acreage	Sqft	Eff Front	Eff Depth	Market Value	Prod. Value
NP	NATIVE PASTURE	175.50	7,644,780.00	0.00	0.00	\$877,500	\$18,520
RES	RESIDENTIAL LAND	1.00	43,560.00	0.00	0.00	\$5,000	50

/16/25, 3:37 PM	Hamilton CAD Property Search	
Circuit Breaker: @		SD (-)
Assessed Value:		\$165,220
Ag Use Value:		\$18.520

The 2025 appraisal roll values are subject to change and are not certified. Information provided for research purposes only. Legal descriptions and acreage amounts are for appraisal District use only and should be verified prior to using for legal purpose and or documents. Please contact the Appraisal District to verify all information for accuracy.

# Property Taxing Jurisdiction

Owner: KEUNING OENE %Ownership: 100.0%

Entity	Description	Tax Rate	Market Value	Taxable Value	Estimated Tax	Freeze
EHI	HICO EMERGENCY SERVICE DISTRICT	0.085295	\$1,024,200	\$165,220	\$140.92	
GHA	HAMILTON COUNTY	0.430000	\$1,024,200	\$164,811	\$708.69	
SHI	HICO ISD	0.855200	\$1,024,200	\$165,220	\$1,412.95	
CAD	County Appraisal District	0.000000	\$1.024.200	\$165,220	\$0.00	

Total Tax Rate: 1.370495

Estimated Taxes With Exemptions: \$2,262.57

Estimated Taxes Without Exemptions: \$14,036.61

8/16/25, 3:37 PM

Hamilton CAD Property Search

						,
Prop	perty Roll Value	History				
Year	Improvements	Land Market	Ag Valuation	Appraised	HS Cap Loss	Assessed
2025	\$141,700	\$882,500	\$18,520	\$165,220	50	\$165,220
2024	\$145,870	\$885,800	\$13,730	\$167,900	\$0	\$167,900
2023	\$109,260	\$706,000	\$12,890	\$122,150	50	\$122,150
2022	\$109,260	\$811,900	\$12,890	\$122,150	\$0	\$122,150
2021	\$90,410	\$529,500	\$12,890	\$103,300	\$0	\$103,300
2020	SO	\$423,600	\$12,890	\$12,890	50	\$12,890
2019	50	\$529,500	\$12.890	\$12,890	50	\$12,890
2018	\$0	\$441,250	\$12,890	\$12,890	so	\$12,890
2017	so	\$441,250	\$12,890	\$12,890	50	\$12,890

# ■ Property Deed History

Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Number	
3/20/2008	or	OWNER TRANSFER	ALT JEWEL	KEUNING OENE	423	836	0	
2/8/2002	WD	WARRANTY DEED	MULDER BAUKE	ALT JEWEL	346	19	0	
2/23/1994	OT	OWNER TRANSFER	ALT RUSSELL	MULDER BAUKE			0	

-	37 PM	- 0		-	Hamilton CAD			-	-	2020	HICO	0.098100	\$423 600	\$12.890	Hamilton GAD \$12.65		\$0.00	\$0.00	
	stimated T	ax Due								2020	EMERGENC		3423,600	512,890	\$12.65	\$12,6	50,00	\$0.00	
ff P	ild:	9									SERVICE DISTRICT								
Year	Taxing Jurisdiction	Tax Rate	Marke Value		Base Tax	Base Taxes	Base Tax	Discount/Penalty & Interest	Attorney	2020	HAMILTON	0.532300	5423,600	\$12,481	566.44	\$66.4	\$0.00	\$0.00	
024	HICO	0.085295	\$1,031,670	3167 900	5143.21	Paid \$143.21	Due so oo	\$0.00	\$0.00	2020	HICO ISD	1,194700	\$423,600	\$12,890	\$153,99	\$153.99	\$0.00	\$0,00	
	EMERGENCY SERVICE						00.00	00.0	00.00	7010	2020 Total HICO	1.825100	\$529,500	\$12,890	\$233.08 \$12,65	\$233.06	\$0.00	\$0.00 \$0.00	
24	DISTRICT	0.430000	\$1,031.670	\$167,491	\$720.21	\$720.21	\$0.00	50.00	\$0.00	2018	EMERGENCY SERVICE		3325,300	312,030	312,00	\$12,00	\$0.00	50.00	
124	COUNTY HICO ISD	n 955200	\$1.031.670	5167 000	\$1,435.88	E4 425 90	50.00	\$0.00	\$0.00	2019	DISTRICT	0.560500	\$529,500	512,481	\$69.96	\$69.96	\$0,00	\$0.00	
2.4	2024 Total	1.370495	31,031,010	3107,500		\$2,299.30		\$0.00	\$0.00		COUNTY								
23	HICO		\$815,260	5122,150	\$76.20	\$76.20	\$0.00	\$0.00	\$0.00	2019	HICO ISD	1.258300	\$529,500	\$12,890		3162.19		\$0.00	
	EMERGENCY SERVICE DISTRICT									2018	2019 Total: HICO EMERGENCY	1.916900 0.098100	\$441,250	\$12,890	\$244.80 \$12,65	\$12.65	50.00	\$0.00	
23	HAMILTON COUNTY	0.400500	\$815,260	5121,741	\$487.57	\$487.57	\$0.00	\$0.00	\$0.00		SERVICE DISTRICT								
23	HICO ISD	0.902300	\$815.260	5122,150	\$1,102.16	\$1,102.16	\$0.00	\$0.00	\$0.00	2018	HAMILTON	0.560500	5441,250	512,481	\$69.96	\$69.96	50.00	\$0.00	
	2023 Total	1,365179			\$1,665.93	\$1,655,93	\$0.00	50,00	\$0.00	2018	HICO ISD	1.350000	\$441,250	\$12,890	\$175,30	\$175.30	\$0.00	\$0.00	
	HICO	0.068878	\$921,160	\$122,150	\$139.16	\$139,16	\$0.00	\$0,00	\$0.00		2018 Total	2.018600	- : ///		\$257.91	\$257,91		\$0.00	1
	EMERGENCY SERVICE DISTRICT									2017	HICO EMERGENCY	0.098100	\$441,250	\$12,890	\$12.65	\$12.65		\$0.00	
	HAMILTON COUNTY	0.378300	5921 160	\$121,741	\$762.82	5762.82	\$0.00	\$0.00	\$0.00		DISTRICT								
	HICO ISD	1.042900	\$921,160	\$122,150	\$2,107.20			\$0.00	\$0.00	2017	HAMILTON COUNTY	0,560500	\$441,250	\$12,481	\$69,96	\$69.96	\$0,00	\$0,00	
	2022 Total	1.490078				\$3,009.18		\$0.00	\$0.00	2017	HICO ISD	1.360000	\$441,250	\$12,890	\$175,30	\$175,30	\$0.00	\$0.00	
	HICO EMERGENCY	0.084900	\$619,910	\$103,300	\$87,70	\$87.70	\$0.00	\$0.00	\$0,00		2017 Total	2.018600			\$257.91	5257.91		\$0.00	
	SERVICE DISTRICT									2016	HICO EMERGENCY SERVICE	0.098100	\$441,250	\$12,890	\$12.65	\$12.65	\$0,00	\$0.00	
	HAMILTON	0.455400	\$619,910			\$468.57		\$0,00	\$0.00		DISTRICT	0.560500	\$441,250	642 401	\$69.96	850.00	****	***	
	HICO ISD	1.110300	\$619,910	5103,300	\$1,146,94	\$1,146.94	\$0.00	\$0.00	\$0.00	2016	COUNTY	0.000000	3441,250	\$12,461	369.96	\$69.96	50.00	\$0.00	
	2021 Total	1.650600			\$1,703.21	\$1,703.21	\$0.00	\$0.00	\$0.00	2016	HICO ISD	1.360000	\$441,250	\$12,890	\$175,30	\$175,30	\$0.00	\$0.00	
65031	h hamikurcad org	property/view/ F	9945?prontVice	edetail					5/10	Htps://esea	tch.hamiltoncad.org	property/view/ I	99457pmtView	•detail					
5, 3:37	PΜ		9945?printNew		familion CAD Pa			50.00		6/16/25, 3/3	7 PM			,	familton CAD P			-	
3:37	PM 2016 Total:	2.018600			\$257.91	\$257.91		\$0.00	\$0.00	8/16/25, 3/3 2011	7 PM HICO ISD	1.240000	99457pmnf/iew 99457pmnf/iew 99457pmnf/iew 99457pmnf/iew	,	\$157.72	\$157,72	50 00	\$0.00	
15	PΜ	2.018600	9945?printMcwi					\$0.00 \$0.00		9/16/25, 3/3 2011 2010	7 PM HICO ISD 2011 Total HICO		\$441,250	,			50.00 50.00	\$0.00 \$0.00 \$0.00	
15	PM 2016 Tatal: HICO MERGENCY SERVICE DISTRICT	2.018600 0.098100	\$441,250	512,890	\$257.91	\$257.91 \$12.65	50.00	\$0.00	\$0.00 \$0.00	9/16/25, 3/3 2011 2010	7 PM HICO ISD 2011 Total. HICO EMERGENCY SERVICE	1.240000 1.896400	\$441,250	\$12,720	\$157,72 \$238,92	\$157,72 5238.92	50.00 50.00	\$0.00	
115	PM 2016 Tatal: HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY	2.018600 0.098100 0.540500	\$441,250 \$441,250	\$12,890 \$12,481	\$257.91 \$12.65 \$67.46	\$257.91 \$12.65 \$67.46	50.00	\$0.00 \$0.00	\$0.00 \$0.00	6/16/25, 3.3 2011 2010	7 PM HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON	1.240000 1.896400	\$441,250	\$12,720 \$12,720	\$157,72 \$238,92	\$157,72 5238.92	50 00 \$0.00 \$0.00	\$0.00	
337	PM 2016 Tatal: HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY	2.018600 0.098100 0.540500	\$441,250 \$441,250	\$12,890 \$12,481	\$257.91 \$12.65	\$257.91 \$12.65 \$67.46	50.00	\$0.00	\$0.00 \$0.00	6/16/25, 3.3 2011 2010 2010	7 PM HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY	1.240000 1.896400 0.088600 0.561600	\$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,311	\$157,72 \$238,92 \$11,27 \$69,14	\$157.72 \$238.92 \$11.27 \$69.14	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	
15 115 1	PM 2016 Total: HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISO	2.018600 0.098100 0.540500 1.360000	\$441,250 \$441,250	\$12,890 \$12,481 \$12,890	\$257.91 \$12.65 \$67.46 \$175.30	\$257.91 : \$12.65 : \$67.46 : \$175.30 :	50.00 50.00 50.00	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00	2010 2010 2010 2010	7 PM HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON	1.240000 1.896400 0.088600	\$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,311	\$157.72 \$238,92 \$11.27 \$69.14 \$157.72	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	
115	PM 2016 Total: HICO EMERGENCY SERVICE DISTRICT HAMILTON JOUNTY HICO ISD	2.018600 0.096100 0.540500 1.36000 1.998600	\$441,250 \$441,250 \$441,250	\$12,890 \$12,481 \$12,890	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41	\$257.91 3 \$12.65 3 \$67.46 3 \$175.30 3 \$255.41 3	50.00 50.00 50.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009	7 PM HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY	1.240000 1.896400 0.088600 0.561600 1.240000	\$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,311 \$12,720	\$157,72 \$238,92 \$11,27 \$69,14	\$157.72 \$238.92 \$11.27 \$69.14	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	
115 II	PM 1016 Total: 1ICO EMERGENCY SERVICE SISTRICT 1AMILTON COUNTY 1ICO ISD 015 Total IICO MERGENCY ERVICE ERVICE EISTRICT	2.018600 0.096100 0.540500 1.36000 1.998600	\$441,250 \$441,250 \$441,250	512,890 512,481 512,890 512,890	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41	\$257.91 3 \$12.65 3 \$67.46 3 \$175.30 3 \$255.41 3	50.00 50.00 60.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2010 2009	HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT	1.240000 1.896400 0.088600 0.561600 1.240000 1.890200 0.088300	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,311 \$12,720	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PM HIGO MERGENCY SERVICE SISTRICT HAMILTON OUNTY HIGO ISD MERGENCY ERVICE SISTRICT HAMILTON OUNTY HIGO ISD MERGENCY ERVICE LISTRICT HAMILTON OUNTY HIGO ISD	2.018600 0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000	\$441,250 \$441,250 \$441,250 \$441,250	512,890 512,481 512,890 512,890 512,481	\$257.91 \$12.05 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44	\$257.91	50.00 50.00 50.00 50.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009	PM HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY	1.240000 1.896400 0.088600 0.561600 1.240000 1.890200 0.088300	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,311 \$12,720 \$12,311	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
15   15   16   17   17   17   17   17   17   17	PM IIICO MMERGENCY SERVICE SISTRICT IAMILTON OUNTY IICO ISD OTS Total IICO MERGENCY ERVICE SISTRICT AMILTON OUNTY IICO ISD	2.018600 0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,890 \$12,481 \$12,890 \$12,890 \$12,481 \$12,890	\$257.91 \$12.05 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$175.30 \$259.39	\$257.91	50.00 50.00 50.00 50.00 50.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009	TPM HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD DISTRICT HAMILTON COUNTY HICO ISD	1,240000 1,896400 0,088600 0,561600 1,240000 1,890200 0,088300 0,55550D	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,311 \$12,720 \$12,311	\$157,72 \$238,92 \$11,27 \$69,14 \$157,72 \$238,13 \$11,23 \$69,62 \$151,37	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
115 II	PM 1016 Total 1ICO MMERGENCY SERVICE SISTRICT 1AMILTON OUNTY IICO ISD OUNTY AMILTON OUNTY IICO ISD OUNTY IICO IICO MERGENCY ERVICE	2.018600 0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500	\$441,250 \$441,250 \$441,250 \$441,250	\$12,890 \$12,481 \$12,890 \$12,890 \$12,481 \$12,890	\$257.91 \$12.05 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44	\$257.91	50.00 50.00 50.00 50.00 50.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009	7 PM HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total	1.240000 1.896400 0.088600 0.561600 1.240000 1.890200 0.088300	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
15   15   15   16   16   16   16   16	PM 1016 Total: 1ICO MERGENCY SERVICE SISTRICT HAMILTON OUNTY 1ICO ISD 015 Total IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY IICO ISD 014 Total: IICO MERGENCY ERVICE STRICT AMILTON OUNTY IICO ISD 014 Total: IICO MERGENCY ERVICE STRICT AMILTON AMILTON OUNTY IICO ISD 014 Total: IICO MERGENCY ERVICE STRICT AMILTON	2.018600 0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.098100	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,890 \$12,481 \$12,890 \$12,890 \$12,890 \$12,890	\$257.91 \$12.05 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$175.30 \$259.39	\$257.91	50.00 50.00 50.00 50.00 50.00 60.00 60.00 60.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009	TPM HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO COUNTY HICO ISD 2000 Total HICO ISD 2000 Total	1,240000 1,896400 0,088600 0,561600 1,240000 1,890200 0,088300 0,55550D 1,210000 1,863800	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157,72 \$238,92 \$11,27 \$69,14 \$157,72 \$238,13 \$11,23 \$69,62 \$151,37 \$232,22	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
115 II	PM 1016 Total: 11CO MERGENCY SERVICE SISTRICT HAMILTON COUNTY 11CO ISD 1015 Total 11CO MERGENCY ERVICE ISTRICT LAMILTON COUNTY 11CO ISD 1014 Total: 11CO MERGENCY ERVICE ISTRICT LAMILTON COUNTY LICO ISD 1014 Total: 11CO MERGENCY ERVICE LISTRICT AMILTON COUNTY AMILTON COUNTY AMILTON COUNTY AMILTON COUNTY AMILTON COUNTY AMILTON COUNTY	2.018600 0.096100 0.540500 1.360000 1.998600 0.098100 1.360000 2.030500 0.098100	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,890 \$12,481 \$12,890 \$12,890 \$12,890 \$12,890 \$12,890	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$175.30 \$259.39 \$12.65	\$257.91	50.00 50.00 60.00 60.00 60.00 60.00 60.00 60.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008	TPM HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON	1,240000 1,896400 0,088600 0,561600 1,240000 1,890200 0,088300 0,55550D 1,210000 1,863800	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157,72 \$238,92 \$11,27 \$69,14 \$157,72 \$238,13 \$11,23 \$69,62 \$151,37 \$232,22	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
3 3 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	PM 2016 Total: IICO EMERGENCY SERVICE SISTRICT HAMILTON COUNTY IICO ISD 015 Total IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY IICO ISD 014 Total: IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY IICO ISD 014 Total: IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY IICO ISD	2.018600 0.096100 0.540500 1.360000 1.998600 0.098100 1.360000 2.030500 0.098100	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,890 \$12,481 \$12,890 \$12,890 \$12,890 \$12,890 \$12,890	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$175.30 \$259.39 \$12.65	\$257.91 (5) (5) (5) (5) (5) (5) (5) (5) (5) (5)	50.00 50.00 50.00 50.00 60.00 60.00 60.00 60.00 60.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008	HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD COUNTY HICO ISD COUNTY HICO ISD COUNTY HICO ISD COUNTY	1,240000 1,896400 0,088600 0,561600 1,240000 1,890200 0,088300 0,56550D 1,210000 1,863800 0,090000	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
15 1 15 1 15 1 15 1 15 1 15 1 15 1 15	PM  1016 Total  HICO MERGENCY ERVICE SISTRICT  HAMILTON OUNTY HICO ISD OUNTY HICO	2.018600 0.096100 0.540500 1.360000 1.98600 0.098100 0.572400 1.360000 2.030500 0.098100	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,481 \$12,890 \$12,481 \$12,890 \$12,890 \$12,890 \$12,890	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$175.30 \$259.39 \$12.65	\$257.91	50.00 50.00 50.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008 I	TPM HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total. HICO COUNTY HICO ISD 2010 Total. HICO COUNTY HICO ISD 2010 Total. HICO COUNTY HICO ISD 2010 Total.	1.240000 1.896400 0.086600 0.561600 1.240000 1.890200 0.088300 0.555500 1.210000 1.863800 0.090000	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157,72 \$238,92 \$11,27 \$69,14 \$157,72 \$238,13 \$11,23 \$69,62 \$151,37 \$232,22 \$11,45	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
15   15   15   16   16   16   16   16	PM 1016 Total: 11CO EMERGENCY ERVICE SISTRICT 14MILTON COUNTY 11CO ISD 1015 Total 11CO MERGENCY ERVICE ISTRICT 14MILTON COUNTY 11CO ISD 1014 Total 11CO MERGENCY ERVICE	2.018600 0.098100 0.540500 1.360000 1.998600 0.098100 1.360000 2.030500 0.098100 0.522000 1.320000 1.320000 1.940100 0.096500	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,890 \$12,481 \$12,890 \$12,890 \$12,890 \$12,890 \$12,890 \$12,890	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$175.30 \$259.39 \$12.65 \$65.15	\$257.91	50.00 50.00 60	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008 2008 2008 2008	HICO ISD 2011 Total. HICO SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total	1.240000 1.896400 0.086600 0.561600 1.240000 1.890200 0.088300 0.555500 1.210000 1.863800 0.090000	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157,72 \$238,92 \$11,27 \$69,14 \$157,72 \$238,13 \$11,23 \$69,62 \$151,37 \$232,22 \$11,45	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
55.3 33 15 15 115 115 114 114 114 114 114 115 115	PM  1016 Total: 11CO EMERGENCY ERVICE SISTRICT  14MILTON 1015 Total 11CO MERGENCY ERVICE 11STRICT  14MILTON 1015 Total 11CO MERGENCY ERVICE 11STRICT 14MILTON 1014 Total 11CO MERGENCY 11CO ISD 1013 Total 11CO MERGENCY	2.018600 0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.380000 0.098100 0.522000 1.320000 1.320000 1.940100 0.096500	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,481 \$12,890 \$12,481 \$12,890 \$12,890 \$12,690 \$12,690 \$12,690 \$12,690	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$176.30 \$259.39 \$12.65 \$65.15 \$170.15 \$247.95 \$12.44	\$257.91 : \$12.65 : \$17.30 : \$255.41 : \$12.65 : \$175.30 : \$255.41 : \$175.30 : \$259.39 : \$12.65 : \$176.35 : \$12.65 : \$170.15 : \$247.95 : \$12.44 : \$170.15 : \$1	50.00 50.00 50.00 50.00 60	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008 2008 2008 2008 200	HICO ISD 2011 Total HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE EMERGENCY SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE HICO EMERGENCY SERVICE SE	1.240000 1.896400 0.086600 0.561600 1.240000 1.890200 0.088300 0.59550D 1.210000 1.863800 0.090000 1.190000 1.190000 1.835500 0.093200	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,720 \$12,311 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157,72 \$238,92 \$11,27 \$69,14 \$157,72 \$238,13 \$11,23 \$69,62 \$151,37 \$232,22 \$11,45	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
55,300 115   115	PM 1016 Total 11CO MERGENCY ERVICE 1STRICT 1AMILTON 0015 Total 11CO MERGENCY ERVICE 1STRICT 1AMILTON 0017 11CO MERGENCY ERVICE 1STRICT 1AMILTON 0017 11CO MERGENCY ERVICE 1STRICT 1AMILTON 0017 11CO 15D 113 Total 11CO MERGENCY ERVICE 1STRICT 1AMILTON 0017 11CO 15D 113 Total 11CO MERGENCY 11CO 11STRICT 1AMILTON 10CO 11STRICT 1AMILTON 10UNTY 1CO 1SD	2.018600 0.096100 0.540500 1.360000 1.998600 0.098100 0.572400 1.380000 0.098100 0.522000 1.320000 1.320000 1.940100 0.096500	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,481 \$12,890 \$12,481 \$12,890 \$12,890 \$12,690 \$12,690 \$12,690 \$12,690	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$175.30 \$259.39 \$12.65 \$65.15 \$170.15 \$247.95 \$12.44	\$257.91 : \$12.65 : \$17.30 : \$255.41 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$12.65 : \$175.30 : \$18.30 : \$1	50.00 50.00 50.00 50.00 60	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008 2008 2008 2008 200	TPM HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE	1.240000 1.896400 0.088600 0.561600 1.240000 1.890200 0.088300 0.56550D 1.210000 1.863800 0.090000 0.555500 1.190000 1.835500 0.093200	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$317,700	\$12,720 \$12,720 \$12,311 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45 \$68.39 \$151.37 \$232.21 \$11.86	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45 \$568.39 \$151.37 \$232.22 \$11.45	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
15 15 1 15 1 15 1 15 1 15 1 15 1 15 1	PM 1016 Total 11CO MERGENCY ERVICE SISTRICT 1AMILTON 0015 Total 11CO MERGENCY ERVICE 1STRICT 1AMILTON 0017 11CO MERGENCY ICO MERGENCY ERVICE ISTRICT 1AMILTON 0017 11CO MERGENCY ERVICE STRICT 1AMILTON 0017 11CO MERGENCY ERVICE 1STRICT 1AMILTON 0017 11CO MERGENCY ERVICE 1STRICT 1AMILTON 0017 11CO 11CO 11CO 11CO 11CO 11CO 11CO 11	2.018600 0.096100 0.540500 1.360000 1.998600 0.098100 0.572400 1.380000 2.030500 0.098100 0.522000 1.320000 1.940100 0.096500	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,890 \$12,481 \$12,890 \$12,481 \$12,890 \$12,481 \$12,890 \$12,481 \$12,890 \$12,481 \$12,890	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$175.30 \$259.39 \$12.65 \$65.15 \$170.15 \$247.95 \$12.44	\$257.91 : \$12.65 : \$17.30 : \$255.41 : \$12.65 : \$175.30 : \$255.41 : \$175.30 : \$259.39 : \$12.65 : \$176.35 : \$12.65 : \$170.15 : \$247.95 : \$12.44 : \$170.15 : \$1	50.00 50.00 60	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008 2008 2008 2007 2007	TPM HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY E	1.240000 1.896400 0.088600 0.561600 1.240000 1.890200 0.088300 0.56550D 1.210000 1.863800 0.090000 0.555500 1.190000 1.835500 0.093200	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,720 \$12,720 \$12,311 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45 \$68.39 \$151.37 \$232.21 \$11.86	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45 \$568.39 \$151.37 \$231.21 \$11.86 \$151.37	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
15   15   15   16   16   16   16   16	PM 1016 Total: HICO MERGENCY ERVICE JISTRICT HAMILTON OUNTY HICO ISD OTHER TOTAL HICO MERGENCY ERVICE HAMILTON OUNTY HICO ISD OTHER TOTAL HICO MERGENCY ERVICE JISTRICT HAMILTON OUNTY HICO ISD OUNTY HICO HICO HICO HICO HICO HICO HICO HICO	2.018600 0.096100 0.540500 1.360000 1.998600 0.098100 0.572400 1.380000 2.030500 0.098100 0.522000 1.320000 1.940100 0.096500	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250	\$12,890 \$12,481 \$12,890 \$12,481 \$12,890 \$12,481 \$12,890 \$12,481 \$12,890 \$12,481 \$12,890	\$257.91 \$12.65 \$67.46 \$175.30 \$255.41 \$12.65 \$71.44 \$175.30 \$259.39 \$12.65 \$65.15 \$170.15 \$247.95 \$12.44	\$257.91 : \$12.65 : \$17.30 : \$255.41 : \$17.30 : \$255.41 : \$17.30 : \$255.41 : \$17.530 : \$259.39 : \$12.65 : \$170.15 : \$247.95 : \$170.15 : \$	50.00 50.00 60	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008 2008 2008 2007 2007 2007 2007 2007	TPM HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY E	1.240000 1.896400 0.088600 0.561600 1.240000 1.890200 0.56550D 1.210000 1.863800 0.090000 0.555500 1.190000 0.093200 0.516800 0.1800000	\$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$441,250 \$317,700	\$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720 \$12,720	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45 \$68.39 \$151.37 \$231.21 \$11.86	\$157.72 \$238.92 \$11.27 \$69.14 \$157.72 \$238.13 \$11.23 \$69.62 \$151.37 \$232.22 \$11.45 \$568.39 \$151.37 \$232.22 \$11.45	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	

6/16/25, 3	1:37 PM				Hamilton CAD I	Property Sea	ch			6/16/25, 3	37 PM				familion CAD F	roporty Searc	h		
2006	HAMILTON COUNTY	0,530000	\$167,680	\$12,880	\$68.26	\$68.2	5 SO,00	\$0.00	50.00	2001	HICO EMERGENCY	0.100000	50	\$11.930	511.93	\$11.93		\$0.00	50.00
2005	HICO ISD	1.420000	\$167,680	\$12.880	5182.90	\$182.96	50.00	\$0.00	\$0.00		SERVICE								
	2006 Total	2.043200			\$263.16	\$263,16	5 50 00	\$0.00	50.00	2001	HAMILTON	0.567800	\$n	\$11,930	\$67.74	\$67.74	50.00	\$0.00	\$0.00
2005	HICO EMERGENCY SERVICE	0.100000	\$97,575	\$12,880	\$12,88	\$12.68	8 \$0.00	\$0.00	50.00		COUNTY HICO ISD	1,470000		\$11.930	\$175.37	\$175,37		\$0.00	\$0.00
	DISTRICT										2001 Total	2.137800			\$255.04	\$255.04	50.00	\$0.00	\$0.00
2005	COUNTY	0.530000	597 575	\$12,880	\$68.26	\$68,26	\$0.00	\$0.00	50,00										
2005	HICO ISD	1,540000	\$97,575	\$12,880	\$198.35	\$198.35	50.00	50.00	\$0.00										
	2005 Total	2.170000			\$279.49	\$279,49	\$0.00	\$0.00	\$0.00										
2004	HICO EMERGENCY SERVICE DISTRICT	0,100000	50	512,880	\$12.88	\$12,88	\$0.00	\$0.00	\$0.00										
2004	HAMILTON COUNTY	0.544800	\$0	\$12,880	\$70,17	\$70.17	50 00	\$0.00	\$0.00										
2004	HICO ISD	1.540000	50	\$12,880	\$198.35	\$198.35	\$0.00	50.00	\$0.00										
	2004 Total	2.184800			\$281.40	\$281,40	\$0.00	50,00	\$0.00										
2003	HICO EMERGENCY SERVICE DISTRICT	0,100000	50	\$12,680	\$12.88	\$12.68	\$0.00	\$0.00	\$0.00										
	HAMILTON COUNTY	0.538900	\$0	\$12,880	569.41	\$69.41	30.00	\$0.00	\$0.00										
2003	HICO ISD	1.540000	50	\$12,880	\$198.35	\$198.35	\$0.00	50.00	\$0.00										
	2003 Total	2.178900			\$280.64	\$280.64	\$0.00	\$0,00	\$0.00										
	HICO EMERGENCY SERVICE DISTRICT	0.100000	\$0	\$12.880	\$12.88	\$12.88	\$0.00	\$0.00	\$0.00										
	HAMILTON COUNTY	0.543000	\$0	\$12,880	\$69.94	\$69.94	\$0.00	\$0.00	\$0.00										
2002	HICO ISD	1.540000	\$0	\$12,880	\$198.35	\$198,35	\$0.00	\$0.00	\$0,00										
	2002 Total:	2.183000			\$281.17	\$281.17	\$0.00	\$0.00	\$0.00										

Zoning:

# Hamilton CAD Property Search

# ■ Property Details

Account Property ID:

Location

21721

Geographic ID: 26000810010132001

Type: Property Use:

4745 CR 207 FAIRY, TX Situs Address: Map ID:

HIS Mapsco:

468 R KENNEDY, ACRES: 129.95

Legal Description: Abstract/Subdivision:

A00468

(HICO) HICO STUDY

Owner ID: 20609 KEUNING OENE Name:

Agent:

Mailing Address:

4745 CR 207 HICO, TX 76457 100.0%

% Ownership: Exemptions:

6/16/25, 3:37 PM

For privacy reasons not all exemptions are shown online.

# ■ Property Values

Improvement Homesite Value:	S0 (+)
Improvement Non-Homesite Value:	SD (+)
Land Homesite Value:	50(+)
Land Non-Homesite Value:	50 (+)
Agricultural Market Valuation:	\$649,750 (+)
Market Value:	\$649,750 (=)
Agricultural Value Loss:0	\$636,030 (-)
Appraised Value: <b>⊙</b>	513,720 (=)
HS Cap Loss: €	SO (-)

https://esearch.hamiltonead.org/property.view/21721?printView=detail

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<b>■</b> P	roperty Land						
Туре	Description	Acreage	Sqft	Eff Front	Eff Depth	Market Value	Prod. Value
NP	NATIVE PASTURE	129.95	5,660,622.00	0.00	0.00	\$649,750	\$13,720

n CAD Prop

8/16/25, 3:37 PM	Hamilton CAD Property Search
Circuit Breaker: 0	50 (-)
Assessed Value:	\$13,720
Ag Use Value:	\$13,720

The 2025 appraisal roll values are subject to change and are not certified. Information provided for research purposes only. Legal descriptions and acreage amounts are for Appraisal District use only and should be verified prior to using for legal purpose and or documents. Please contact the Appraisal District to verify all information for accuracy.

# ■ Property Taxing Jurisdiction

Owner: KEUNING OENE %Ownership: 100.0%

Entity	Description	Tax Rate	Market Value	Taxable Value	Estimated Tax	Freeze Ceiling
EHI	HICO EMERGENCY SERVICE DISTRICT	0.085295	\$649,750	\$13,720	\$11.70	
GHA	HAMILTON COUNTY	0.430000	\$649,750	\$13,583	\$58.41	
SHI	HICO ISD	0,855200	\$649,750	\$13,720	\$117.33	
CAD	County Appraisal District	0.000000	\$649,750	\$13,720	\$0.00	

Total Tax Rate: 1.370495

Estimated Taxes With Exemptions: \$187.44

Estimated Taxes Without Exemptions: 58,904.78

2/10

#### Hamilton CAD Property Search

Year	Improvements	Land Market	Ag Valuation	Appraised	HS Cap Loss	Assessed
2025	50	\$649,750	\$13,720	\$13,720	\$0	\$13,726
2024	50	\$974,630	\$10,160	\$10,160	so	\$10,160
2023	50	\$649,750	\$9,490	\$9,490	so	\$9,490
2022	so	\$604,270	\$9,490	\$9,490	50	\$9,490
2021	\$0	\$369,850	\$9,490	\$9,490	\$0	\$9,490
2020	\$0	\$311,880	\$9,490	\$9,490	\$0	59,490
2019	50	\$389,850	\$9,490	\$9,490	50	\$9,490
2018	SO	\$324,880	\$9,490	\$9,490	\$0	\$9,490
2017	\$0	\$324,880	59,490	\$9,490	\$0	\$9,490

■ Prop	erty l	Deed History	1				
Deed Date	Туре	Description	Grantor	Grantee	Volume	Page	Number
3/20/2008	ОТ	OWNER TRANSFER	ALT JEWEL	KEUNING OENE	423	835	0
3/26/2004	WD	WARRANTY DEED	PRUITT JOHN W TRUSTEE	ALT JEWEL	370	298	0

PRUITT JOHN W

TRUSTEE

368 33

ANTHONY ALFRED E &

SHIRLEYA

1/30/2004 OT OWNER

TRANSFER

7	Estimated	Tax Due								202	MCO	0.09810	0 5311,88	0 \$9.490		CAD Property 1 S9.	31 \$0.0	00 \$0.0	00
		TUX DUC									EMERGENO			W 382,151	5 \$5.5	. 45.	31 30.0	30.	JU
If P	ald:		PACE I							_	SERVICE DISTRICT								
Year	Taxing Jurisdiction	Tax Ra	Marke Valu		e Base Tax e	Taxe	s Tax	Discount/Penalty & Interest	Attorney Fees	Aı 202	O HAMILTON COUNTY	0.53230	0 \$311,88	0 \$9,353	3 \$49.79	\$49,	79 50.0	00 \$0.0	00
024	HICO	0.0852	95 \$974,63	0 510 16	0 \$8.67	Pair	d Due 7 S0.00	\$0.00	50.00	202	0 HICO ISD	1,19470	0 5311,88	0 \$9,490	\$113.36	\$ \$113,3	38 50.0	50.0	00
	EMERGENC				00.4	40.4	30.00	30.00	\$0.00		2020 Total	1,82510	0		\$172.46	\$ \$172.4	48 \$0.0	90 <b>\$0</b> .0	0
	DISTRICT									201	9 HICO EMERGENO		0 \$389,85	0 \$9,490	\$9.31	\$9.3	31 \$0.0	50.0	10
024	HAMILTON	0.4300	00 \$974,63	0 \$10,02	3 \$43.10	\$43,16	\$0.00	\$0.00	\$0.00		DISTRICT								
024	HICO ISD 2024 Total	1,3704	00 \$974,63	0 \$10,16	\$86.89 \$138.66		50.00 5 50.00	\$0.00	50.00	2019	9 HAMILTON COUNTY	0.56050	0 \$389,85	\$9,353	\$52.42	\$52.4	\$0.0	0 50.0	0
023	HICO		9 5649,75	0 59496			\$0.00	\$0.00	50,00 \$0.00	2019	HICO ISD	1,25830	0 \$389,850	\$9,490	\$119.41	\$119.4	11 50.0	0 \$0.0	0
	EMERGENC SERVICE			60,1131	00.02	33.32	30.00	30.00	30.00	2018	2019 Total:	1.91690 0.09810	D \$324,880	\$9,490	\$181,14 \$9.31		4 50.0 31 \$0.0		
	DISTRICT HAMILTON	0.40050	0 \$649,750	39,353	\$37.46	\$37.46	\$0,00	\$0.00	\$0.00		EMERGENC SERVICE				-		. • • • • • • • • • • • • • • • • • • •	30.0	
	HICO ISD	0.90230	0 5649.750	59,490	\$85.63	\$85.63	\$0.00	\$0.00	\$0.00	2018	DISTRICT HAMILTON	0.560500	5324,880	\$9,353	552.42	\$52.4	2 \$0.00	50.00	0 5
	2023 Total	1,36517	9		\$129.01	\$129.01	\$0,00	\$0.00	50,00	5-11	COUNTY								
	нісо		B \$604,276	59,490	\$47.51	\$47.51	\$0.00	\$0.00	\$0,00	2018	HICO ISD		\$324,880	\$9,490			6 50.00		5
	EMERGENC' SERVICE DISTRICT	Y								2017	2016 Total		5324,880	\$9,490	\$190.79 \$9.31		9 \$0.00 1 \$0.00		1
22	HAMILTON COUNTY	0,37830	0 \$604,270	\$9,353	\$260.39	\$260.39	\$0.00	\$0.00	\$0.00		SERVICE DISTRICT	Y							
	HICO ISD	1,04290	0 \$604,270	\$9,490	5719.27	\$719.27	SD,00	50.00	\$0,00	2017	HAMILTON	0.560500	\$324,880	\$9,353	\$52.42	\$52,4	2 \$0,00	\$0.00	) s
Ĵ	2022 Total	1.49007			\$1,027.17	\$1,027.17	\$0.00	50.00	\$0.00	2017	HICO ISD	1.360000	\$324,880	\$0.400	\$129.06	\$129.00	e en	***	ş
	HICO EMERGENCY		389,850	\$9,490	\$8.06	\$8.06	\$0,00	\$0.00	\$0.00	2317	2017 Total	2.018600		55.48U	\$129.06		5 SO.00		1
33	SERVICE DISTRICT	Τ-								2016	нісо	0.098100	\$324,880	59,490	\$9,31		1 \$0.00		
1 1	HAMILTON	0,455401	\$389,850	\$9,353	\$42.59	\$42,59	\$0.00	\$0.00	\$0.00		EMERGENCY SERVICE DISTRICT	,							
	HICO ISD	1,110300	\$389,850	59,490	\$105.37	\$105.37	\$0.00	\$0,00	\$0.00	2016	HAMILTON	0,560500	\$324,880	\$9,353	\$52.42	\$52,42	\$0.00	\$0.00	s
:	2021 Total.	1.650600	)		\$156.02	\$156.02	\$0.00	\$0.00	\$0.00	20.0	HICO ISD		\$324,880		\$129.05	\$129.06			
	PM 016 Total	2.018500			Hamilton CA(	3 Property Sea \$190.79		\$0.00	\$0.00	8/16/25. 3.3 2011	57 PM HICO ISD	1.240000	\$324,880	\$9,360	Hamilton CA \$116,06			so on	ę
2 5 F	016 Total:	0.098100	\$324,880	39,490			\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	2011		1.240000 1.896400	\$324,880	\$9,360			\$0.00	\$0.00	
5 H	016 Total:	0.098100		39,490	\$190.79	\$190.79	\$0.00			2011	HICO ISD	1.896400	\$324,880 \$324,880		\$116,06	\$116.06 \$176.73	\$0.00	\$0.00 \$0.00	5
2 H	016 Total: IICO MERGENCY ERVICE	0.098100		59,490 59,353	\$190.79	\$190.79	\$0.00 \$0.00			2011 2010	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT	1.896400			\$116,06 \$176.73	\$116.06 \$176.73	\$0.00 \$0.00	\$0.00	5
5 H	016 Total: IICO MERGENCY ERVICE ISTRICT AMILTON	0.098100	\$324,880		\$190.79 \$9.31	\$190.79 \$9.31	\$0.00 \$0.00	\$0.00	\$0.00	2010 2010	HICO ISD 2011 Total HICO EMERGENCY SERVICE	1.896400	\$324,880	\$9,360	\$116,06 \$176.73	\$116.06 \$176.73	\$0.00 \$0.00 \$0.00	\$0.00	\$1 \$1
5 H S H	016 Total: IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY	0.098100	\$324,880 \$324,860	39,353	\$190.79 \$9.31 \$50.55 \$129.06	\$9.31 \$9.35 \$50.55	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00	2010 2010	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON	1.896400 0.688600 0.561600	\$324,880	\$9,360 \$9,223	\$116,06 \$176,73 \$8,29	\$116.06 \$176.73 \$8.29	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0 \$0 \$0
2 S H S S C C C C C C C C C C C C C C C C	016 Total: IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD 015 Total	0.098100 0.540500 1.360000 1.998600	\$324,880 \$324,860	59,353 59,490	\$190.79 \$9.31 \$50.55 \$129.06	\$9.31 \$9.31 \$50.55 \$129.06	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	2010 2010 2010 2010	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY	1.896400 0.688600 0.561600	\$324,880 \$324,880	\$9,360 \$9,223	\$116,06 \$176,73 \$8,29 \$51,79	\$116.06 \$176.73 \$8.29 \$51.79	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$6 \$6
ZZ HESS CHESS	016 Total IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD	0.098100 0.540500 1.360000 1.998600	\$324,880 \$324,880	59,353 59,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188,92	\$9.31 \$9.31 \$50.55 \$129.06 \$188.92	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009	HICO ISD 2011 Total. HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY	1.896400 0.688600 0.561600 1.240000 1.890200	\$324,880 \$324,880	\$9,360 \$9,223 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06	\$116.06 \$176.73 \$8.29 \$51,79 \$116.06 \$176.14	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$6 \$6 \$6 \$6
E S C H C H E S C H	016 Total: IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD 015 Total ICO MERGENCY ERVICE	0.540500 1,360000 1,98600 0.098100	\$324,880 \$324,880 \$324,880 \$324,880	59,353 59,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188,92	\$9.31 \$9.31 \$50.55 \$129.06 \$188.92	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2010	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT	1.895400 0.885600 0.561600 1.240000 1.890200 0.086300	\$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
H E S D H C H	016 Total:  IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD 015 Total ICO MERGENCY ERVICE ISTRICT AMILTON OUNTY CO ISD	0.540500 1.360000 1.98600 0.098100 0.572400	\$324,880 \$324,880 \$324,880 \$324,880	59,353 59,490 59,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.895400 0.085600 0.561600 1.240000 1.890200 0.065300	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$6 \$6 \$6 \$6
2 H E S D H C H C H 20	016 Total:  IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD 015 Total ICO MERGENCY ERVICE ISTRICT AMILTON OUNTY CO ISD 015 Total ICO MERGENCY CO ISD 016 Total ICO MERGENCY	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,353 \$9,490 \$9,490 \$9,353 \$9,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.895400 0.085600 0.561600 1.240000 1.890200 0.085300	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26 \$52,16	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$6 \$6 \$6 \$6 \$6 \$6
D H E S D H C HI E S E S E	O16 Total:  IICO MERGENCY ERVICE ISTRICT  AMILTON OUNTY  ICO ISD  IOS MERGENCY ERVICE ISTRICT  AMILTON OUNTY  ICO ISD  IOS  IOS  IOS  IOS  IOS  IOS  IOS	0.540500 1.360000 1.98600 0.098100 0.572400	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880	59,353 59,490 59,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE HICO ISD 2010 Total HICO EMERGENCY EM	1.895400 0.085600 0.561600 1.240000 1.890200 0.065300	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
DHE SE DI HA	O16 Total:  IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD D15 Total ICO MERGENCY ERVICE STRICT AMILTON OUNTY CO ISD 114 Total CO MERGENCY ERVICE STRICT AMILTON OUNTY AMILTON OUNTY AMILTON MERGENCY ERVICE ERVICE ERVICE MILITON	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,353 \$9,490 \$9,490 \$9,353 \$9,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total	1.895400 0.088600 0.561600 1.240000 1.890200 0.068300 0.565500 1.210000 1.853800	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26 \$52,16 \$111,38 \$171,80	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
ZZ HE SS HA ZZ HI E SS DI HA CC CC	O16 Total:  IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD D15 Total ICO MERGENCY ERVICE STRICT AMILTON OUNTY CO ISD 114 Total CO MERGENCY ERVICE STRICT AMILTON OUNTY AMILTON OUNTY AMILTON OUNTY AMILTON OUNTY AMILTON OUNTY AMILTON OUNTY	0.540500 1.360000 1.98600 0.098100 0.572400 1.360000 2.030500 0.098100	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,353 \$9,490 \$9,353 \$9,490 \$9,353	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.05 \$191.90 \$9.31	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY HICO EMERGENCY EMERGENCY HICO EMERGENCY EMERGENCY EMERGENCY HICO	1.895400 0.088600 0.561600 1.240000 1.890200 0.068300 0.565500 1.210000 1.853800	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26 \$52,16 \$111,38 \$171,80	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$6 \$6 \$6 \$6 \$6 \$6 \$6
FE SE DI HACCE HILL	O16 Total:  IICO MERGENCY ERVICE ISTRICT  AMILTON OUNTY ICO ISD D15 Total ICO ICO MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD 114 Total CO MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD MERGENCY ERVICE STRICT  MILTON OUNTY  CO ISD  MILTON OUNTY  CO ISD	0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.098100	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,353 \$9,490 \$9,353 \$9,490 \$9,353	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.05 \$191.90 \$9.31	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.895400 0.088600 0.561600 1.240000 1.890200 0.068300 0.565500 1.210000 1.653800 0.090000	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,360 \$9,223	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26 \$52,16 \$111,38 \$171,80 \$8,42	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$6.26 \$52.16 \$111.38 \$171.80 \$8.42	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$
ZZ HE SS D HI CO HI EN SE DI HUCCO HI CO H	O16 Total:  IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD D15 Total: ICO MERGENCY ERVICE ISTRICT AMILTON DUNTY ICO ISD D14 Total: ICO MERGENCY RIVICE OCO MERGENCY RIVICE ISTRICT MILTON DUNTY ICO ISD D15 TOTAL ICO MERGENCY RIVICE ISTRICT MILTON DUNTY ICO ISD D15 TOTAL ICO IND D17 TOTAL ICO IND D	0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.098100	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,353 \$9,490 \$9,353 \$9,490 \$9,353	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.05 \$191.90 \$9.31	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$46.82 \$346.82	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008 2008 2008	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY EMERGENCY EMERGENCY EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.896400 0.088600 1.240000 1.890200 0.088300 0.565500 1.210000 1.853800 0.090000	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,223 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26 \$52,16 \$111,38 \$171,80 \$8,42 \$51,23 \$111,38	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80 \$8.42	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00
ZZ F F F S F F F F F F F F F F F F F F F	O16 Total:  IICO MERGENCY ERVICE ISTRICT  AMILTON OUNTY ICO ISD D15 Total ICO MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD 114 Total CO MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD D15 Total ICO MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD D15 Total ICO MERGENCY ERVICE STRICT  MILTON OUNTY  CO ISD D15 Total ICO MILTON OUNTY  CO ISD D15 Total ICO	0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.098100 0.522000 1.320000 1.940100	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	59,353 59,490 59,490 59,353 59,490 59,353 59,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$48.82 \$125.27 \$183.40	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$46.82 \$125.27 \$125.27	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2010 2009 2009 2008 2008 2008 2008 2008 200	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY EMERGENCY EMERGENCY LICO EMERGENCY EMERG	1.896400 0.088600 1.240000 1.890200 0.088300 0.565500 1.210000 1.853800 0.090000	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,223 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26 \$52,16 \$111,38 \$171,80 \$8,42 \$51,23 \$111,38	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$5.26 \$52.16 \$111.38 \$171.80 \$8.42	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00 \$00
S H E S D H C HI E S D H C HI E S E D H C HI E S E D H C H E S E D H C H E S E D H C C H E S E D D H C C H E S E D D H C C C H E S E D D H C C C H E S E D D H C C C C H E S E D D H C C C C C C C C C C C C C C C C C	O16 Total:  IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD D15 Total ICO MERGENCY ERVICE ISTRICT AMILTON DUNTY CO ISD D14 Total CO MERGENCY ERVICE ESTRICT AMILTON DUNTY CO ISD D15 Total CO MERGENCY ESTRICT AMILTON DUNTY CO ISD D15 Total CO MERGENCY ESTRICT AMILTON DUNTY CO ISD D15 Total CO MERGENCY ESTRICT AMILTON DUNTY CO ISD D15 Total CO MERGENCY ERVICE ESTRICT MILTON DUNTY CO ISD D15 Total CO MERGENCY ERVICE ESTRICT CO MERGENCY ERVICE ESTRICT	0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.098100 0.522000 1.320000 1.940100	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	59,353 59,490 59,490 59,353 59,490 59,353 59,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$48.82 \$125.27 \$183.40	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$46.82 \$125.27 \$125.27	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2009 2009 2009 2008 2008 2008 2008	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 1000 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.895400 0.085600 1.240000 1.890200 0.085300 0.565500 1.210000 1.853800 0.090000 1.190000 1.835500 0.093200 5	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,260	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26 \$52,16 \$111,38 \$171,80 \$8,42 \$51,23 \$111,38 \$171,03 \$8,72	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80 \$8.42 \$511.23 \$111.38 \$171.03 \$8.72	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$
S H E S D H H E S D D H H C C C HILL E M S E C D H C C C C C C C C C C C C C C C C C	O16 Total:  IICO MERGENCY ERVICE ISTRICT  AMILTON OUNTY  ICO ISD IO MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD IO MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD IO MERGENCY ERVICE STRICT  MILTON OUNTY  CO ISD IO MERGENCY IO MERGENCY IO MERGENCY IO MERGENCY IO MILTON OUNTY  CO ISD III MILTON OUNTY  III MILTON III MIL	0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.522000 1.320000 1.940100 0.098500	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,353 \$9,490 \$9,353 \$9,490 \$9,353 \$9,490 \$9,490 \$9,490 \$9,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$181.90 \$9.31 \$48.82 \$125.27 \$183.40 \$9.16	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$319.90 \$9.31 \$48.82 \$125.27 \$183.40 \$125.27 \$183.40 \$125.27 \$183.40 \$125.27	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2010 2009 2009 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 1000 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.896400 0.088600 1.240000 1.890200 0.088300 0.565500 1.210000 1.853800 0.090000 1.190000 3	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,223 \$9,360	\$116,06 \$176,73 \$8,29 \$51,79 \$116,06 \$176,14 \$8,26 \$52,16 \$111,38 \$171,80 \$8,42 \$51,23 \$111,38 \$171,03	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80 \$51.23	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$
2	O16 Total:  IICO MERGENCY ERVICE ISTRICT  AMILTON OUNTY  ICO ISD IIST Total: ICO MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD IIT Total: CO MERGENCY ERVICE STRICT  MILTON OUNTY  CO ISD IIT Total: CO MERGENCY RIVICE STRICT  MILTON OUNTY  CO ISD IIT Total: CO MERGENCY RIVICE STRICT  MILTON OUNTY  CO ISD IIT TOTAL  CO MERGENCY RIVICE STRICT  MILTON OUNTY  CO ISD IIT TOTAL  CO MERGENCY RIVICE  MILTON OUNTY  CO ISD IIT TOTAL  CO MERGENCY RIVICE  MILTON OUNTY  CO ISD IIT TOTAL  CO MERGENCY RIVICE  MILTON OUNTY  CO ISD IIT TOTAL  CO MERGENCY RIVICE  MILTON OUNTY  CO ISD IIT TOTAL  CO MERGENCY RIVICE  MILTON OUNTY  CO ISD IIT TOTAL  CO MERGENCY RIVICE  MILTON OUNTY  CO ISD IIT TOTAL  CO MERGENCY  RIVICE  MILTON OUNTY  CO ISD IIT TOTAL  CO MERGENCY  RIVICE  MILTON OUNTY  CO ISD  IIT TOTAL  CO MERGENCY  RIVICE  MILTON OUNTY  CO ISD  IIT TOTAL  CO MERGENCY  RIVICE  MILTON OUNTY  CO ISD  IIT TOTAL  CO MERGENCY  RIVICE  MILTON OUNTY  CO MERCE  MILTON OUNTY  CO MERCE  MILTON OUNTY  MILTO	0.540500 1.360000 1.360000 0.572400 1.360000 2.030500 0.098100 0.522000 1.320000 1.320000 1.940100 0.096500	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,353 \$9,490 \$9,353 \$9,490 \$9,353 \$9,490 \$9,490 \$9,490 \$9,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$48.82 \$125.27 \$183.40 \$9.16	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$48.82 \$125.27 \$183.40 \$9.16 \$59.16 \$59.16	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2010 2009 2009 2008 2008 2008 2008 2008 200	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY	1.895400 0.085600 1.240000 1.890200 0.085300 0.565500 1.210000 1.853800 0.090000 1.190000 1.835500 0.093200 5	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,360 \$9,360 \$9,360	\$116.06 \$176.73 \$8,29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80 \$8.42 \$51.23 \$111.38 \$171.03 \$8.72	\$116.06 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80 \$8.42 \$511.23 \$111.38 \$171.03 \$8.72	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0 \$0
S H E S D D S H H C C C C C C C C C C C C C C C C C	O16 Total:  IICO MERGENCY ERVICE ISTRICT  AMILTON OUNTY  ICO ISD ICO MERGENCY ERVICE STRICT  ICO MERGENCY ERVICE STRICT  AMILTON OUNTY  CO ISD IT Total  CO MERGENCY ERVICE STRICT  MILTON OUNTY  CO ISD IT Total  CO MERGENCY ERVICE STRICT  MILTON OUNTY  CO ISD IT TOTAL  CO MERGENCY ERVICE STRICT  MILTON OUNTY  CO ISD IT TOTAL  CO MERGENCY RIVICE  TRICT  MILTON OUNTY  CO ISD IT TOTAL  CO MERGENCY RIVICE  TRICT  MILTON OUNTY  OO ISD IT TOTAL  MILTON OUNTY  OO ISD IT TOTAL  MILTON OUNTY  OO ISD IT TOTAL  MILTON OUNTY  OO ISD	0.540500 1.360000 1.360000 1.360000 0.572400 1.360000 0.098100 0.522000 1.320000 1.940100 0.096500 0.557900 1.300000 1.954400	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,353 \$9,490 \$9,353 \$9,490 \$9,353 \$9,490 \$9,490 \$9,490 \$9,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$48.82 \$125.27 \$183.40 \$9.16	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$48.82 \$125.27 \$125.27 \$5125.27	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2010 2009 2009 2008 2008 2008 2008 2007 6 200	HICO ISD 2011 Total HICO EMERGENCY SERVICE HAMILTON COUNTY HIGO ISD 2010 Total HICO EMERGENCY SERVICE EMERGENCY SERVICE EMERGENCY SERVICE SERV	1.895400 0.088600 1.240000 1.890200 0.068300 0.565500 1.210000 1.653800 0.090000 0.555500 1.190000 1.835500 0.093200 5	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,360 \$9,360	\$116.06 \$176.73 \$8,29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80 \$8.42 \$51.23 \$171.03 \$8.72 \$47.66 \$111.38	\$116.05 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80 \$8.42 \$51.23 \$111.38 \$171.03 \$8.72	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$
S H H C C C C C C C C C C C C C C C C C	O16 Total:  IICO MERGENCY ERVICE ISTRICT AMILTON OUNTY ICO ISD D15 Total ICO MERGENCY ERVICE STRICT AMILTON OUNTY CO ISD D14 Total CO MERGENCY ERVICE STRICT AMILTON OUNTY CO ISD D15 Total ICO MERGENCY ERVICE STRICT AMILTON OUNTY CO ISD D15 Total CO MERGENCY ERVICE STRICT MILTON OUNTY CO ISD D15 Total CO MERGENCY RVICE STRICT MILTON OUNTY CO ISD D15 Total CO MERGENCY RVICE MILTON OUNTY CO ISD D16 TOTAL MILTON OUNTY CO ISD D17 TOTAL MILTON OUNTY CO ISD D18 TOTAL MILTON OUNTY CO ISD D18 TOTAL MILTON OUNTY CO ISD D18 TOTAL MILTON OUNTY CO ISD D19 TOTAL MILTON OUNTY OUNTY CO ISD D19 TOTAL MILTON OUNTY OU	0.540500 1.360000 1.360000 1.360000 0.572400 1.360000 0.098100 0.522000 1.320000 1.940100 0.096500 0.557900 1.300000 1.954400	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,353 \$9,490 \$9,353 \$9,490 \$9,353 \$9,490 \$9,490 \$9,490 \$9,490	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$48.82 \$125.27 \$183.40 \$9.16	\$190.79 \$9.31 \$50.55 \$129.06 \$188.92 \$9.31 \$53.53 \$129.06 \$191.90 \$9.31 \$48.82 \$9.31 \$125.27 \$5183.40 \$59.16 \$550.55	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	2010 2010 2010 2010 2010 2009 2009 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE IDISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SERVICE SOUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE SISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE SISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE SISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY	1.895400 0.088600 1.240000 1.890200 0.068300 0.565500 1.210000 1.653800 0.090000 0.555500 1.190000 0.093200 5 1.190000 5 1.190000 5	\$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880 \$324,880	\$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,223 \$9,360 \$9,223 \$9,360	\$116.06 \$176.73 \$8,29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80 \$8.42 \$51.23 \$171.03 \$8.72 \$47.66 \$111.38	\$116.05 \$176.73 \$8.29 \$51.79 \$116.06 \$176.14 \$8.26 \$52.16 \$111.38 \$171.80 \$8.42 \$51.23 \$111.38 \$171.03 \$8.72	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$

6/16/25, 2	1:37 PM				Hamilton C	AD Property S	earch			6/16/25, 3:	37 PM				Hamilton Ca	D Property S	earch		
2006	HAMILTON	0,530000	\$123,450	59,490	\$50.30	\$50,30	\$0.00	\$0.00	\$0.00	2001	HICO EMERGENCY	0.100600	\$0	\$8,840	\$8.84	\$8,84	\$0.00	\$0.00	50 00
2006	HICO ISD	1.420000	\$123,450	39,490	\$134.76	5134,76	\$0.00	\$0.00	\$0.00		DISTRICT								
	2006 Total	2.043200			\$193.90	\$193.90	\$0.00	\$0.00	\$0.00	2001	HAMILTON	0.567800	so	\$8,840	\$50.19	\$50,19	50.00	\$0.00	\$0,00
2005	HICO EMERGENCY SERVICE		\$123,450	59,490	\$9.49	\$9,49	\$0.00	\$0.00	\$0.00	2001	COUNTY HICO ISD	1.470000	\$0	\$8.840	\$129.95	\$129.95	\$0.00	\$0.00	\$0.00
	DISTRICT										2001 Total	2.137800			\$168.98	\$188,98	\$0.00	\$0.00	\$0.00
2005	COUNTY	0,530000	\$123,450	39,490	\$50.30	\$50.30	\$0.00	\$0.00	\$0,00										
2005	HICO ISD	1,540000	5123,450	39,490	\$146.15	\$146,15	\$0.00	\$0,00	50.00										
	2005 Total	2.170000			\$205.94	\$205.94	\$0.00	\$0.00	50.00										
2004	HICO EMERGENCY SERVICE DISTRICT	0.100000	30	59,490	\$9.49	\$9.49	\$0.00	\$0.00	\$0.00										
2004	HAMILTON COUNTY	0.544800	50	59,490	\$51.70	\$51.70	S0.00	\$0.00	\$0.00										
2004	HICO ISD	1.540000	30	39,490	\$146.15	\$146.15	\$0.00	50.00	50.00										
	2004 Total	2.184800			\$207.34	\$207.34	\$0.00	\$0,00	\$0.00										
2003	HICO EMERGENCY SERVICE DISTRICT	0.100000	50	39,490	\$9.49	\$9.49	50.00	\$0.00	\$0.00										
2003	HAMILTON COUNTY	0.538900	50	39,490	\$51.14	\$51.14	\$0.00	\$0.00	\$0.00										
2003	HICO ISD	1.540000	30	\$9,490	5146.15	\$146.15	\$0.00	\$0.00	\$0.00										
	2003 Total:	2.178900			\$206.78	\$206.78	\$0.00	50,00	\$0.00										
2002	HICO EMERGENCY SERVICE DISTRICT	0.100000	50	\$9,490	\$9.49	\$9.49	\$0.00	\$0.00	\$0.00										
2002	HAMILTON COUNTY	0.543000	30	59,490	551.53	\$51.53	\$0.00	\$0.00	\$0.00										
2002	HICO ISD	1,540000	\$0	59,490	\$146.15	\$146,15	\$0.00	\$0.00	\$0.00										
	2002 Total:	2.183000			\$207.17	\$207.17	\$0.00	\$0.00	\$0.00										

Zoning:

Ag Use Value: 58,340

Hamilton CAD Property Search

The 2025 appraisal roll values are subject to change and are not certified, information provided for research purposes only. Legal descriptions and acreage amounts are for Appraisal District use only and should be verified prior to using for legal purpose and or documents. Please contact the Appraisal District to verify all information for accuracy.

#### ■ Property Taxing Jurisdiction

Owner: KEUNING OENE %Ownership: 100.0%

Entity	Description	Tax Rate	Market Value	Taxable Value	Estimated Tax	Freeze Celling
EHI	HICO EMERGENCY SERVICE DISTRICT	0.085295	\$395,200	\$8,340	\$7.11	
GHA	HAMILTON COUNTY	0,430000	\$395,200	\$8,340	\$35.86	
SHI	HICO ISD	0.855200	\$395,200	58,340	\$71.32	
CAD	County Appraisal District	0.000000	\$395,200	\$8,340	\$0.00	

Total Tax Rate: 1.370495

Estimated Taxes With Exemptions: \$114.29

Estimated Taxes Without Exemptions: \$5,416,20

Hamilton CAD Property Search

Property Details

Account Property ID:

21722

Geographic ID: 26000810010134001

Type: Property Use:

Location

4745 CR 207 FAIRY, TX

Map ID: Legal Description:

HIS

20609 KEUNING DENE

918 JOHN WATSON, Acres 79.04

Abstract/Subdivision: A00918

(HICO) HICO STUDY Neighborhood:

Owner

Owner ID:

Mailing Address:

HICO, TX 76457 % Ownership: 100.0%

4745 CR 207

For privacy reasons not all exemptions are shown online

■ Property Value	es
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Improvement Homesite Value:	\$0 (+)
Improvement Non-Homesite Value:	SO (+)
Land Homesite Value:	SD (+)
Land Non-Homesite Value:	\$0 (+)
Agricultural Market Valuation:	\$395,200 (+)
Market Value:	\$395,200 (=)
Agricultural Value Loss:0	\$386,860 (-)
Appraised Value: 0	38,340 (=)
HS Cap Loss: 0	SO (-)
Circuit Breaker: 0	50 (-)

ttps://esearch.hamiltoncad.org/proporty/view/21722?printView=dotail

NATIVE PASTURE

https://esearch.hamikorcad.org/property/verv/Z17227printVlow=detail

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#### Property Land Type Description Sqft Eff Front Eff Depth Market Value Prod. Value

0.00

0.00

\$395,200

\$8,340

79.04 3.442.982.40

25, 3:37 P	M.		Hamilton CAD F	Property Search		
₽ Pro	perty Roll Value	History				
Year	Improvements	Land Market	Ag Valuation	Appraised	HS Cap Loss	Assesse
2025	50	\$395,200	\$8,340	\$8,340	\$0	\$8,34
2024	\$0	\$395,200	\$5,180	\$6,180	\$0	\$6,18
2023	\$0	\$316,160	\$5,770	\$5,770	\$0	\$5,77
2022	so	\$276,640	\$5,770	\$5,770	50	\$5,77
2021	\$6	\$237,120	\$5,770	\$5,770	50	\$5,77
2020	\$0	\$189,700	\$5,770	\$5,770	50	\$5,77
2019	so	\$237,120	\$5,770	\$5,770	\$0	\$5,77
2018	SG	\$197,600	\$5,770	\$5,770	30	\$5,77
2017	50	\$197,500	\$5,770	\$5,770	\$0	\$5,77

<b>■</b> Prop	erty i	Deed History	•				
Oeed Date	Туре	Description	Grantor	Grantee	Volume	Page	Number
3/20/2008	от	OWNER TRANSFER	ALT JEWEL	KEUNING OENE	423	836	0
3/26/2004	WD	WARRANTY DEED	PRUITT JOHN W TRUSTEE	ALT JEWEL	370	298	0
1/30/2004	от	OWNER TRANSFER	ANTHONY ALFRED E & SHIRLEY A	PRUITT JOHN W TRUSTEE	368	33	0

F E	37 PM		-		Hamilton	- S Flep			-	**********	6/16/25,		0.00-				n CAD Prop			2	
	stimated Ta	ax Due									2026	EMERGENC		0 \$189,700	\$5,77	0 \$5.66	\$5.6	5 50.00	\$0.00	\$0.0	)
If Pa	Taxing	Tax Rate		Taxable	Base			01		Total Control		DISTRICT	1					t			
ear	Jurisdiction	iax Rate	Value				Tax	Discount/Penalty & Interest	Fees	D	2020	COUNTY	0.53230	5189,700	\$5.770	0 \$30.71	\$30.7	1 \$0.00	\$0.00	\$0.00	)
024	HICO		\$395,200	36,180	\$5.27		50.00	\$0.00	50,00	SO.	2020	HICO ISD 2020 Total	1,19470	5189,700	\$5,770		\$68.9		\$0.00 \$0.00	\$0.00	
	EMERGENCY SERVICE DISTRICT										2019	HICO	0.09810	5237,120	\$5.770			5 \$0.00	\$0.00	\$0.00	-
024	HAMILTON COUNTY	0.430000	\$395,200	\$6,180	\$26.57	\$26.57	\$0.00	\$0.00	50,00	so		EMERGENC' SERVICE DISTRICT									
024	HICO ISD	0.855200	\$395,200	36,180	\$52.85	\$52.85	\$0.00	\$0.00	50.00	\$0.	2019	HAMILTON	0.55050	\$237,120	\$5,770	\$32,34	532.34	50.00	\$0,00	\$0.00	F
	2024 Total	1,370495			\$84.69	584.69	\$0,00	\$0,00	50.00	50	2019	HICO ISD	1.25830	5237,120	\$5,770	\$72,60	\$72.60	\$0.00	\$0.00	\$0.00	,
	HICO EMERGENCY SERVICE		\$316,150	\$5,770	\$3.60	\$3.60	\$0.00	\$0.00	50,00	50.		2019 Total	1,91690				\$110,60		\$0.00	\$0,00	
	DISTRICT	0.400500	\$316,160	\$5,770	\$23.11	\$23,11	50.00	\$0.00	\$0,00	50	2018	HICO EMERGENCY SERVICE		\$197,600	\$5,770	\$5,66	\$5.66	\$ \$0.00	50.00	\$0.00	ĺ
	COUNTY										2018	DISTRICT	0.560500	\$197,600	\$5,770	53234	532.34	SO DO	\$0.00	\$0.00	
	HICO ISD 2023 Total:	1,365179	\$316,160	55.170	\$78.77			\$0.00	30.00	50.	2010	COUNTY	5.00000		00.770	002.04	552.01	70.00	00.00	30.00	
	HICO		\$276,640	\$5,770		\$22.63		\$0.00	30,00	50.	2018	HICO ISD		\$197,600	\$5,770	578.47	578.47	\$0.00	\$0.00	\$0.00	
	EMERGENCY SERVICE		14/0/5/6								2017	2018 Total: HICO	2,018600	\$197,600	\$5,770		\$116.47	\$0.00 \$0.00	\$0.00	\$0.00 \$0.00	
2	DISTRICT HAMILTON COUNTY	0,378300	\$276,640	55,770	\$124,30	5124,30	\$0,00	\$0.00	30,00	\$0.	2017	EMERGENCY SERVICE DISTRICT	0.000100	3137,000	\$3,770	33.00	\$5.00	30.00	30.00	30.00	
	HICO ISD	1.042900	\$276,640	\$5,770	\$342.67	\$342.67	\$0.00	\$0.00	50.00	50	2017	HAMILTON	0,560500	\$197,600	\$5,770	\$32.34	\$32.34	\$0.00	\$0.00	\$0.00	
	2022 Total:	1.49007B			\$489.60	\$489.60	50.00	\$0.00	\$0.00	\$0	2017	HICO ISD	1.369000	\$197,600	\$5,770	\$78.47	S78.47	\$0,00	\$0.00	\$0.00	
	HICO EMERGENCY	0,084900	\$237,120	\$5,770	\$4.90	\$4.90	\$0.00	\$0.DQ	\$0.00	50		2017 Total	2.018600				5116,47		50.00	\$0.00	
1	SERVICE DISTRICT	0.455400	\$237,120	35.770	\$26.28	\$26.28	50.00	\$0.00	30,00	\$0	2016	HICO EMERGENCY SERVICE	0.098100	\$197,600	\$5,770	\$5,66	\$5.66	\$0.00	\$0.00	50,00	
4	COUNTY										2016	DISTRICT	0.560500	\$197,600	\$5,770	\$32,34	532.34	\$0.00	\$0.00	\$0.00	
		1,650600	\$237,120	35,770		\$95.25		\$0.00	\$6.00 \$6.00	50 S0		COUNTY									
									-7(02	20,	2016	HICO ISD	1.360000	\$197,500	\$5,770	\$78.47	\$78.47	00.02	\$0,00	\$0,00	
:37	PM				Hamilton (	CAD Proper	y Search				6/15/25, 3:	17 PM				Hamilton	CAD Proper	ny Search			
		2.018600			\$116,47			\$0.00	\$0.00	\$0		HICO ISD		\$197,600	\$5,700				50.00	50.00	
E	HICO EMERGENCY SERVICE DISTRICT	0.098100	\$197,600	35,770	\$5.66	\$5,66	\$0.00	\$0.00	\$0.00	\$0	2010	EMERGENCY	1.896400 0.088600	\$197,600	\$5,700	\$108.09	\$5,05		\$0.00 \$0,00	\$0.00 \$0.00	
	HAMILTON	0.540500	\$197,600	\$5,770	\$31.19	\$31.19	\$0.00	\$0.00	50.00	\$0.		DISTRICT									
		1.360000	5197,600	35,770	\$78.47	\$78.47	\$0.00	\$0.00	50.00	50.		COUNTY	0.561600	\$197,600	\$5,700	\$32.01	532,01	\$0,00	\$0.00	\$0.00	
		1.998600			\$115,32	\$115,32	\$0.00	\$0.00	50,00	50.		HICO ISD	1.240000	\$197,600	\$5,700	\$70.68	\$70.68	\$0.00	\$0.00	\$0.00	
	HICO MERGENCY	0.098100	\$197,600	\$5,770	\$5.66	\$5.66	\$0.00	\$0.00	\$0.00	\$0		2010 Total	1.890200			\$107.74			\$0.00	\$0.00	
0	SERVICE DISTRICT HAMILTON	D 579400	\$ 107 COA	56 770	633.03	£32.02	50.00	50.00	50.00	*0		EMERGENCY SERVICE	0.088300	\$142,270	\$5,700	\$5.03	\$5.03	\$0.00	\$0.00	\$0.00	
	COUNTY	2.012700	\$197,600	24/170	200,03	200,03	Ju. UU	\$0.00	50.00	\$0		DISTRICT HAMILTON	0.565500	\$142,270	\$5,700	\$32.23	\$32.23	\$0.00	\$0.00	\$0.00	
			\$197,600		\$78.47 \$117.16			\$0.00 \$0.00	\$0.00	50		COUNTY	1 210000	\$142,270	\$5.700	\$67.03	\$67.00	\$0.00			
		0.098100	\$197,600			\$5.66		\$0.00 \$0.00	50.00	50 S0		HICO ISD 2009 Total	1.210000	\$14Z,Z/U		\$67.83 \$105.09	\$67.83		\$0.00 \$0.00	\$0.00	
E	MERGENCY ERVICE ISTRICT	3.000100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	30,170	00.00	00.00	54.50	<b>40.00</b>	211100		2008	HICO EMERGENCY		\$142,270		55.13	\$5.13		50.00	\$0.00	
0	IAMILTON (	0.522000	\$197,600	\$5,770	\$30.12	530.12	\$0.00	\$0,00	50,00	50		SERVICE DISTRICT									
н	OUNTY				\$76.17	\$76.17	\$0.00	50.00	\$0.00	\$0		COUNTY	0.555500	\$142,270	\$5,700	\$31.66	\$31,66	\$0.00	\$0.00	\$0.00	
HC	OUNTY	1.320000	5197,600	\$5,770	******			\$0.00	30.00	50				\$142,270					50.00	\$0.00	
H C H	IICO ISD 1	1.940100			\$111.95							2008 Total	1,835500			\$104.62	\$104.62				
H 20 HI EI SI	IICO ISD 1	1.940100	5197,600 5197,600			\$111.95 \$5,57		\$0.00	\$0,00	\$0		EMERGENCY	0.093200	\$142,270	\$5,700	\$5.31	\$5.31		\$0.00 \$0.00	\$0.00	
H 20 H	ICO ISD 1013 Total 1015 MERGENCY ERVICE ISTRICT	1.940100 0.096500		\$5,770	\$111.95	\$5,57	00.00	\$0.00 \$0.00	\$0.00	so so		EMERGENCY SERVICE DISTRICT					\$5.31	\$0.00	\$0.00	\$0.00	
H 20 Hi EI SI DI H	OUNTY  IICO ISD  1013 Total  IICO  MERGENCY  ERVICE  ISTRICT  AMILTON  OUNTY	1.940100 0.096500 0.557900	5197,600	\$5,770 \$5,770	\$111.95 ! \$5.57	\$5,57 \$32.19	\$0.00 \$0.00				2007	EMERGENCY SERVICE DISTRICT	0.093200			\$5.31 \$29.46	\$5.31	\$0.00			
H 20 HI EI SI DI H	COUNTY	1.940100 0.096500 0.557900	\$197,660 \$197,600	\$5,770 \$5,770 \$5,770	\$5.57 \$5.57 \$32.19	\$5,57 \$32.19 \$75.01	50.00 50.00	\$0,00	\$0.00	\$0	2007	EMERGENCY SERVICE DISTRICT HAMILTON COUNTY	0.516800		\$5,700	\$29.46	\$5.31 \$29.46	\$0.00	\$0.00	\$0.00	
H 20 HI 20 HI EM SE	COUNTY  COUNTY	1.940100 0.096500 0.557900 1.300000 1.954400	\$197,660 \$197,600	\$5,770 \$5,770 \$5,770	\$5.57 \$5.57 \$32.19 \$75.01	\$5,57 \$32.19 \$75.01	\$0.00 50.00 50.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00	50 50	2007   2007   2006	EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2007 Total	0.516800	\$142,270 \$142,270	\$5,700 \$5,700	\$29.46	\$5.31 \$29.46 \$67.83	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	

6/25, 3:	37 PM				Hamilton	CAD Prope	my Search				6/16/25, 3	37 PM				Hamilton	CAD Proper	y Search			
2006	HAMILTON	0,530000	\$75,090	\$5,770	\$30,58	530.58	\$0,00	\$0.00	\$0,00	80	2001	HICO EMERGENCY	0.100000	\$0	\$5,370	\$5.37	\$5,37	\$0,00	\$0.00	\$0,00	50
2005	HICO ISD	1.420000	\$75,090	\$5,770	581,93	\$81.93	\$0.00	\$0.00	30.00	\$0.		DISTRICT									
	2006 Total	2.043200			\$117.89	\$117.89	\$0.00	\$0.00	30.00	30	2001	HAMILTON	0.567800	so	\$5,370	\$30,49	\$30.49	\$0.00	\$0.00	\$0.00	50.
2005	HICO EMERGENCY SERVICE	0.100000	\$75,090	\$5,770	\$5.77	\$5.77	\$0.00	\$0.00	50,00	\$0	2001	HICO ISD	1.470000	50	\$5,370	\$78.94	578.94	\$0.00	\$0.00	\$0.00	\$0.
	DISTRICT											2001 Total	2.137800			\$114.80	\$114,80	\$0.00	\$0.00	50.00	\$0
2005	COUNTY	0.530000	\$75,090	35,770	\$30.58	\$30.58	50.00	\$0.00	50.00	\$0											
2005	HICO ISD	1,540000	\$75,090	\$5,770	\$88.86	\$88,86	\$0,00	\$0.00	30.00	50.											
	2005 Total:	2.170000			\$125.21	\$125.21	\$0.00	\$0.00	30.00	50											
2004	HICO EMERGENCY SERVICE DISTRICT	0.100000	50	\$5,770	\$5.77	\$5.77	\$0.00	\$0.00	\$9.00	50											
2004	HAMILTON COUNTY	0.544600	30	\$5,770	\$31.44	\$31.44	50.00	\$0.00	30.00	\$0.											
2004	HICO ISD	1,540000	50	35,770	588.86	588.85	\$0.00	\$0.00	\$0.00	50.											
	2004 Total:	2.184800			\$126,07	\$126.07	\$0.00	\$0.00	50,00	\$0											
	HICO EMERGENCY SERVICE DISTRICT	0.100000	50	\$5,770	\$5.77	\$5.77	\$0.00	\$0.00	30.00	\$0											
	HAMILTON COUNTY	0.538900	50	55,770	\$31.09	\$31.09	50.00	\$0.00	\$0,00	50											
2003	HICO ISD	1.540000	50	35,770	588.86	588.86	\$0.00	\$0.00	30.00	\$0.											
	2003 Total	2.178900			\$125.72	\$125.72	\$0.00	\$0.00	56.00	30.											
	HICO EMERGENCY SERVICE DISTRICT	0,100000	\$0	55,770	S5.77	\$5.77	\$0.00	\$0.00	\$0.00	SO.											
	HAMILTON COUNTY	0.543000	50	\$5,770	\$31.33	\$31.33	\$0.00	\$0.00	\$0.00	\$0.											
002	HICO ISD	1.540000	50	\$5,770	\$88.85	\$88.86	\$0.00	\$0,00	\$0,00	50,											
	2002 Total	2.183000			\$125.96	\$125.96	\$0.00	\$0.00	50.00	50.											

6/16/25, 3:38 PM

#### ■ Property Details

Account Property ID:

Type:

19603

Geographic ID: 26000000000328001

Zoning:

Mapsco:

Property Use:

5245 CR 207 HICO, TX 76457

Hamilton CAD Property Search

Map ID: HIS

466 R KENNEDY, ACRES: 99.12

Legal Description: Abstract/Subdivision: A00468

Neighborhood:

(HICO) HICO STUDY

Owner

Owner ID: 20609 Name: KEUNING OENE

Agent: Mailing Address:

4745 CR 207 % Ownership: 100.0%

Exemptions:

For privacy reasons not all exemptions are shown online.

10	Property Value	S

Circuit Breaker: 0

Improvement Homesite Value:	\$0 (+)
Improvement Non-Homesite Value:	514,080 (+)
Land Homesite Value:	\$0 (+)
Land Non-Homesite Value:	\$0 (+)
Agricultural Market Valuation:	\$495,600 (+)
Market Value:	\$509,680 (=)
Agricultural Value Loss:0	\$485,140 (-)
Appraised Value:0	524,540 (=)
HS Cap Loss: 0	\$0 (-)

https://esearch.hamiltoncad.org/property/view/196037phintView=detail

#### ■ Property Improvement - Building Description: SHEDS Type: Misc Imp Living Area: 0 sqft Value: \$14,080

Туре	Description	Class CD	Year Built	SQFT
SHED	MA	SHED1	1990	1168
CPT	OPEN POLE DT	CPT2	1980	900
SHED	SHEDS	SHED1	1990	400

#### ■ Property Land

Туре	Description	Acreage	Sqft	Eff Front	Eff Depth	Market Value	Prod. Value
NP	NATIVE PASTURE	99,12	4.317,567,20	0.00	0.00	\$495,600	\$10,460

■ Property Taxing Jurisdiction

Owner: KEUNING OENE %Ownership: 100.0%

Entity	Description	Tax Rate	Market Value	Taxable Value	Estimated Tax	Freeze Ceiling
EHI	HICO EMERGENCY SERVICE DISTRICT	0.085295	\$509,680	\$24,540	\$20.93	
GHA	HAMILTON COUNTY	0,430000	\$509,680	\$24,540	\$105.52	
SHI	HICO ISO	0.855200	\$509,680	\$24,540	\$209.87	
CAD	County Appraisal District	0.000000	\$509,680	\$24,540	\$0.00	

The 2025 appraisal roll values are subject to change and are not certified. Information provided for research purposes only. Legal descriptions and acreage amounts are for Appraisal District use only and should be verified prior to using for legal purpose and or documents. Please contact the Appraisal District to verify all information for

Total Tax Rate: 1.370495

Estimated Taxes With Exemptions: \$336.32

Estimated Taxes Without Exemptions: \$6,985.13

https://esearch.hamiltoricad.org/property/view/196037printView/#detail

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Year	Improvements	Land Market	Ag Valuation	Appraised	HS Cap Loss	Assessed
2025	\$14,080	\$495,600	\$10,460	\$24,540	50	\$24,540
2024	\$14,300	\$495,500	\$7,750	\$22,050	\$0	\$22,050
2023	\$18,850	\$405,600	\$7,400	\$26,250	\$0	\$26,250
2022	\$19,130	\$466,440	\$7.400	\$26,530	\$0	\$26,530
2021	\$10,000	\$304,200	\$8,730	\$18,730	\$0	\$18,730
2020	511,210	\$268,560	\$8,730	\$19,940	\$0	\$19,940
2019	\$10,340	\$304,200	\$8,730	519,070	50	\$19,070
2018	\$4,720	\$253,500	58,730	\$13,450	50	\$13,450
2017	\$4,720	\$253,500	\$8,510	\$13,230	50	\$13,230

#### Property Deed History

Deed Date	Туре	Description	Grantor	Grantee	Volume	Page	Number
9/12/2024	WDVL	WARRANTY DEED WIVENDOR'S LIEN	LEWIS LINDA KAYE	KEUNING OENE	648	349	20241651
8/21/2024	AFF	AFFIDAVIT OF HEIRSHIP	LEWIS LONNIE D & LINDA KAYE	LEWIS LINDA KAYE	648	339	20241650
8/14/2009	от	OWNER TRANSFER	BULLARD ROY P	LEWIS LONNIE D	43B	715	0

If Par Year 2024 2024	Taxing Jurisdiction	ax Due									2020	HICO EMERGENCY		\$279,770	\$19,940	\$19,56	519.56	5 \$0.00	\$0.00	\$0.0
Year 2024 2024 2024	Taxing Jurisdiction	Tax Hate	H.																	
2024	Jurisdiction	Tax Rate					Tes					DISTRICT								
024 024 023	HICO		Value Value	et Taxabl e Valu			Tax	Discount/Penalty & Interest	Altorney	Amou	2020	COUNTY	0.532300	\$279,770	\$19,885	\$105.85	\$105.85	5 50.00	\$0.00	\$0.00
)24 )24 )23			5 5509,90	522,05	0 \$18.81		\$0.00	\$0.00	50.00	\$0	2020	HICO ISD 2020 Total	1,194700	\$279,770	\$19,940		\$238.22 \$363.63		\$0,00 \$0.00	\$0.00
4	SERVICE										2019	HICO		\$314,540	\$19.070				\$0.00	\$0.00
3	DISTRICT HAMILTON	0.430000	\$509,900	3 522 056	n \$94.82	594.82	\$0.00	\$0.00	56.00	\$0		EMERGENCY SERVICE								
3	COUNTY	4.10000	0000,000	3 521,001	557.02	. 304.02	30.00	30.00	20.00	30		DISTRICT								
3	HICO ISD		\$509,900	\$22,050				\$0.00	50.00	\$0	2019	COUNTY	0.560500	\$314,540	\$19,015	\$106.58	\$106.58	\$0.00	\$0.00	\$0.0
	2024 Total HICO	0.062379	\$424,450	526 250		\$302.20 \$16.37		\$0.00 \$0.00	50.00	\$0.	2019	HICO ISD	1.258300	\$314,540	519,070	\$239.95	\$239.95	\$0.00	\$0.00	\$0.0
	EMERGENCY SERVICE					410101	00.00	Ç0.50		30.	2019	2019 Total	1.916900	\$258,220	612.450		\$365.24		\$0,00	\$0.0
3	DISTRICT	0.400500	\$424,450	\$26.195	S104.91	\$104.91	50.00	\$0.00	50.00	50	2016	EMERGENCY SERVICE	0,092100	3230,220	513,430	\$13,19	\$13,19	50.00	50.00	\$0.0
	COUNTY	1									2040	DISTRICT	n Frafan	F358 000	543 30F	#7F 0#	575.00	20.00	****	
	HICO ISD 2023 Total	0.902300	\$424,450	\$26,250			<b>&gt;</b>	50.00	50.00	50	2018	COUNTY	0.560500	\$258,220	\$13,395	\$75,08	575,08	\$0.00	\$0.00	\$0.0
	HICO		\$485,570	525.530		\$358.13		\$0.00 \$0.00	\$0.00	\$0. \$0.	2018	HICO ISD	1,360000	\$258,220	\$13,450	\$182.93	\$182.93	\$0.00	\$0.00	\$0.00
1	EMERGENCY SERVICE								33,00		2017	2018 Total HICO	2.018600 0.098100	\$258,220	\$13,230		\$271.20		50.00 50.00	\$0.00
	DISTRICT	0.279300	# 4BC 670	FDE 475	F100.1E	5400 45		****		**		EMERGENCY SERVICE						ŀ		
	HAMILTON COUNTY	0.378300	\$485,570	\$26,475	\$100.15	\$100.15	\$0.00	\$0.00	50.00	50		DISTRICT								
2 1	HICO ISD	1.042900	\$485,570	\$26,530	\$276.68	\$276.68	\$0.00	\$0.00	\$9,00	so	2017	HAMILTON	0.560500	\$258,220	\$13,175	\$73,85	\$73,85	\$0.00	\$0.00	\$0.00
	2022 Total:	1.490078	5244 200	C10 700		\$395.10		30.00	\$9.00	50	2017	HICO ISD	1.360000	\$258,220	\$13,230	\$179,93	\$179.93	\$0.00	\$0.00	\$0,0
	HICO EMERGENCY	0.064300	\$314,200	310,730	\$15.50	\$15.90	50.00	\$0.00	\$0,00	50		2017 Total.	2.018600				\$266.76		\$0.00	\$0.0
1	SERVICE DISTRICT HAMILTON	0.455400	5314,200	519 576	\$95.05	40E 0E	*0.00	50.00	10.00	50	2016	HICO EMERGENCY SERVICE	0.098100	\$258,220	\$13,230	\$12,98	\$12,98	\$0.00	\$0,00	\$0.00
	COUNTY	0.433400	33 14,200	210,015	\$65.05	\$63,03	30,00	30.00	30,00	SO		DISTRICT								
	HICO ISD		\$314,200	518,730				\$0.00	\$0.00	50	2016	HAMILTON COUNTY	0.560500	\$258,220	\$13,175	\$73.85	\$73.85	\$0.00	\$0.00	\$0.00
2	2021 Total	1,650600			\$308.91	\$308,91	\$0.00	\$0,00	50.00	\$0	2016	HICO ISD	1.360000	\$258,220	\$13,230	\$179.93	\$179.93	\$0.00	\$0.00	\$0,00
39						CAD Propert					6/16/25, 3:3						CAD Propert			
	ICO	2.018600	\$258,220	C12 DDD		5266.76		\$0.00 \$0.00	\$0.00	50		HICO ISD	1.240000	\$258,220			\$159.22 \$243.20		50,00	\$0.00
S	MERGENCY ERVICE	0.030100	5250,220	\$15,250	312.30	312.80	30.50	\$0.00	30,00	30.	2010	2011 Total HICO EMERGENCY		\$258,050					50.00	\$0.00 \$0.00
	ISTRICT	0.540500	\$258,220	\$13,175	\$71.21	571.21	\$0.00	\$0.00	50.00	50		SERVICE DISTRICT								
	OUNTY	4 200000		*****									0.561600	\$258,050	\$12,615	\$70.85	\$70.85	\$0.00	\$0.00	\$0.00
	IICO ISD 015 Total	1.998600	\$258,220	513,230	\$179.93 \$264.12			\$0.00 \$0.00	50.00	so.		HICO ISD	1.240000	\$258,050	\$12 670	\$157.11	5167 11	50.00	\$0,00	\$0.00
		0.098100	\$258,220	\$13,230				\$0.00	\$0.00	50		2010 Total	1.890200	22.00,000			\$239.19		\$0.00	\$0.00
S	MERGENCY ERVICE ISTRICT											EMERGENCY	0.088300	\$258,050	\$12,660	\$11.18	\$11,18	\$0,00	\$0.00	\$0.00
н		0.572400	\$258,220	\$13,175	\$75.42	\$75.42	50.00	\$0.00	50,00	50		SERVICE DISTRICT								
		1.360000	\$258,220	\$13,230	\$179.93	5179.93	\$0.00	50.00	\$0.00	SO.		HAMILTON COUNTY	0.565500	5258,050	\$12,605	\$71.28	571.28	\$0.00	50.00	\$0.00
20	014 Total:	2.030500			\$268.33	5268.33	\$0.00	\$0.00	\$0.00	\$0	2009	HICO ISD	1.210000	\$258,050	\$12,660	150.65	\$150.65	\$0.00	\$0.00	50.00
E	MERGENCY	0.098100	\$258,220	\$13,230	\$12.98	\$12,98	\$0.00	\$0.00	\$0,00	\$0	2008		1.863800	\$258,050			5233.11		\$0.00	\$0.00
DI	ERVICE										9.1	EMERGENCY SERVICE	0.096000	5258,050	\$12,060	\$11.39	\$11.39	\$0.00	\$0.00	\$0.00
C	YTNUC	0.522000						\$0.00	50,00	\$0.		DISTRICT HAMILTON	0.555500	\$258,050	\$12,605	\$70.02	\$70.02	\$0.00	30.00	\$0.00
		1,320000	5258,220					\$0.00	00.02	\$0		COUNTY								
	9	0.096500	\$258,220		\$256.39			\$0.00	30.00	50			1.835500	\$258,050			3150.65		\$0.00	\$0.00
EN	MERGENCY ERVICE STRICT										2007			\$187,070					50.00	\$0.00
	AMILTON (	0.557900 1	5258,220	\$13,175	\$73.51	\$73.51	50.00	\$0.00	\$0.00	50.	ī	DISTRICT								
		1,300000 3	5258,220	\$13,230	5171.99 \$	171.99	50.00	\$0.00	\$0.00	SO.		HAMILTON (	5,516300 3	187,070	12,605	565,14	\$65,14	50.00	\$0,00	\$0.00
20	12 Total	1.954400		/	\$258.27	258.27	00.00	50.00	\$0.00	\$0.	2007 F	fico isb	1,190000 3	187,070	12,660 S	150.65 5	150.65	\$0.00	\$0.00	\$0.00
	CO ( MERGENCY RVICE	0.096500 \$	5258,220	512,840	\$12.39	512.39 \$	0.00	\$0.00	50.00	50	2006 H	lico (	0,093200	156,650 5			\$227.59 \$ \$11.86 \$		50.00 50.00	\$0.00 \$0.00
DIS	STRICT	0.559900 \$	2768 220	\$12.705	\$71.50	571 EA -	מת מו	\$0.00	\$0.00	\$0	S	MERGENCY ERVICE HSTRICT								

6/16/25, 3	38 PM				Hamilto	n CAD Prope	nty Search				
2006	GOUNTY	0.530000	\$156,650	\$12,730	\$67.47	\$67,47	\$0.00	\$0.00	\$0,00	50	
2006	HICO ISD	1,420000	\$156,650	\$12,730	\$180.77	\$180.77	50.00	\$0.00	50,00	50	
	2006 Total	2.043200			\$260.10	\$250.10	\$0.00	\$0.00	50.00	\$0.	
2005	HICO EMERGENCY SERVICE DISTRICT	0.100000	\$80,600	\$12,730	\$12.73	\$12.73	50 00	\$0.00	50,00	50	
2005	HAMILTON COUNTY	0.530000	\$80,600	\$12,730	\$67,47	567 47	\$0.00	\$0.00	\$0.00	\$0	
2005	HICO ISD	1.540000	\$80,600	\$12,730	\$196.04	5196.04	\$0,00	\$0.00	\$0.00	50	
	2005 Total	2.170000			\$276.24	\$276.24	\$0.00	\$0.00	20.00	50	
2004	HICO EMERGENCY SERVICE DISTRICT	0.100000	50	\$12,730	512.73	\$12.73	\$0.00	\$0.00	\$0.00	50.	
2004	HAMILTON COUNTY	D.544800	50	\$12,730	\$69.35	\$69.35	\$0.00	\$0.00	50.00	\$0	
2004	HICO ISD	1.540000	50	\$12,730	\$196.04	\$196.04	\$0.00	\$0.00	30.00	50	
	2004 Total	2.184800			\$278,12	\$278.12	\$0.00	\$0.00	\$0.00	so	
2003	HICO EMERGENCY SERVICE DISTRICT	0.100000	50	\$12,730	\$12.73	\$12.73	\$0.00	\$0.00	30.00	50	
2003	HAMILTON COUNTY	0,538900	\$0	\$12,730	\$68.60	\$68.60	\$0,00	\$0.00	\$0,00	\$0.	
2003	HICO ISD	1.540000	5.0	\$12,730	\$196.04	\$195.04	\$0.00	\$0.00	\$0.00	50	
	2003 Total	2.178900			5277.37	5277.37	\$0.00	\$0.00	50.00	SO	
2002	HICO EMERGENCY SERVICE DISTRICT	0.100000	\$0	\$11,500	\$11,50	\$11.50	\$0,00	\$0.00	\$0,00	\$0	
2002	HAMILTON COUNTY	0.543000	\$0	\$11,500	\$62.45	\$62,45	\$0.00	\$0.00	50.00	\$0	
2002	HICO ISD	1.540000	50	\$11,500	\$177.10	\$177,10	\$0,00	\$0.00	50,00	\$0.	
	2002 Total	2.183000			\$251.05	\$251.05	50.00	\$0.00	\$0.00	30	

16/25, 3	38 PM				Hamilton	CAD Proper	ty Search			
2001	HICO EMERGENCY SERVICE DISTRICT	0.100000	50	\$11,170	\$11,17	\$11.17	\$0.00	\$0.00	\$0.00	so
2001	HAMILTON COUNTY	0,567800	\$0	\$11,170	563,42	\$63,42	\$0.00	\$0.00	\$0.00	\$0
2001	HICO ISD	1,470000	50	\$11,170	\$164,20	\$164.20	\$0.00	\$0.00	\$0.00	\$0
	2001 Total:	2,137800			\$238,79	\$238.79		\$0,00	\$0.00	SO.

9/10

Hamilton CAD Property Search

■ Property Details

Account Property ID: 19604 Type:

Geographic ID: 26000000000329001

Property Use: Location

Situs Address: 5245 CR 207 FAIRY, TX

Map ID: Legal Description:

468 R KENNEDY, ACRES: 102.4

Abstract/Subdivision: A00468

(HICO) HICO STUDY Neighborhood:

Owner

Owner ID: 20609 KEUNING OENE

Name: Agent:

Mailing Address: 4745 CR 207 HICO, TX 76457

% Ownership:

6/16/25, 3:38 PM

Exemptions: For privacy reasons not all exemptions are shown online.

■ Property Values
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50 (+)
SO (+)
\$0 (+)
\$0 (+)
\$512,000 (+)
\$512,000 (=)
5501,190 (-)
510,810 (=)
SO (-)
50 (-)

https://esearch.hamiltoncad.org/property/view/19604?printVis.w=detail

Hamilton CAD Property Search

<b>P</b> P	roperty Land						
Туре	Description	Acreage	Sqft	Eff Front	Eff Depth	Market Value	Prod. Value
NP	NATIVE PASTURE	102.40	4,460,544.00	0.00	0.00	\$512,000	\$10,810

Hamilton CAD Property Search	
	\$10,810
	\$10,810
	Hamilton CAU Property Search

The 2025 appraisal roll values are subject to change and are not certified. Information provided for research purposes only. Legal descriptions and acreage amounts are for Appraisal District use only and should be verified prior to using for legal purpose and or documents. Please contact the Appraisal District to verify all information for accuracy.

<b>■</b> P	roperty Taxing Jurisdiction					
Owne	er: KEUNING OENE %Owner	ship: 100.0%				
Entity	Description	Tax Rate	Market Value	Taxable Value	Estimated Tax	Freeze Ceiling
EHI	HICO EMERGENCY SERVICE DISTRICT	0.085295	\$512,000	\$10,810	59.22	
GHA	HAMILTON COUNTY	0.430000	\$512,000	\$10,810	\$46.48	
SHI	HICO ISD	0.855200	\$512,000	\$10,810	\$92.45	
CAD	County Appraisal District	0.000000	\$512,000	510,810	\$0.00	

Total Tax Rate: 1,370495

Estimated Taxes With Exemptions: \$148.15 Estimated Taxes Without Exemptions: \$7,016.93

https://eseatch.hamiltoncad.org/property/view/19604?printView/ndetail

2/10

6/16/25, 3:38 PM	Hamilton CAD Property Search
PROPERTY AND ADDRESS OF THE PARTY OF THE PAR	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO
Property Roll Value Hi	stone

Year	Improvements	Land Market	Ag Valuation	Appraised	HS Cap Loss	Assessed
2025	50	\$512,000	\$10,810	\$10,810	\$0	\$10,810
2024	\$0	\$512,000	\$8,010	\$8,010	so	\$8,010
2023	50	\$409,600	\$7,480	57,480	\$0	\$7,480
2022	50	\$471,040	\$7,480	\$7,480	50	\$7,480
2021	\$0	\$307,200	\$7,480	\$7,480	so	\$7,480
2020	50	\$245,760	\$7,480	\$7,480	50	\$7,460
2019	50	\$307,200	\$7,480	\$7,480	50	\$7.480
2018	\$0	\$256,000	\$7,480	\$7,480	50	\$7,480
2017	50	\$256,000	\$7,480	\$7,480	50	\$7,480

Prop	ertyL	Deed History					
Deed Date	Туре	Description	Grantor	Grantee	Volume	Page	Number
9/12/2024	WDVL	WARRANTY DEED WIVENDOR'S LIEN	LEWIS LINDA KAYE	KEUNING OENE	648	349	20241651
8/21/2024	AFF	AFFIDAVIT OF HEIRSHIP	LEWIS LONNIE D & LINDA KAYE	LEWIS LINDA KAYE	648	339	20241650
8/14/2009	от	OWNER TRANSFER	BULLARD ROY P	LEWIS LONNIE D	438	715	0

1/10

	Cables -/ 17	In a D		-			perty Search	-		-	6/16/25, 2	0 HICO	0.004104	3245,760	\$7.40		4 57.3	A SO OO	50.00	\$0.0	0
H	Estimated T	ax Due									2020	EMERGENC		3243,700	37,460	37.32	\$ \$7.3	4 30.00	50.00	50.0	ю
17.5	Pald:											DISTRICT									
Year	Taxing Jurisdiction	Tax Rate	Market Value	t Taxable Value		x Taxe	s Tax	Discount/Penalty & Interest	Attorney	Amou	2020	HAMILTON COUNTY	0.532300	\$245,760	\$7,435	5 \$39.58	\$ \$39.5	8 30.00	\$0.00	\$0.0	0
2024	HICO		5 \$512,000	38,010	56.83	Pai 3 \$6.8	d Due 3 \$0.00	\$0.00	50.00	50	2020	HICO ISD		\$245,760	\$7,480			6 50,00	50.00	\$0.0	
	SERVICE	4									2019	2020 Total	0.098100	\$307,200	\$7.480		\$136.2	8 \$0.00 4 \$0.00	\$0.00	50.00	
024	HAMILTON	0.430000	\$512,000	38,010	\$34.44	\$34.4	4 50.00	\$0.00	50.00	\$0.		EMERGENCY SERVICE DISTRICT									
024	HICO ISD	0.855200	\$512,000	38,010	\$68.50	\$68.5	0 \$0.00	\$0.00	\$0.00	\$0.	2019	HAMILTON	0,560500	\$307,200	\$7,435	\$41,67	\$41.67	7 \$0.00	\$0,00	\$0,00	0
	2024 Total:	1.370495			\$109.77	5109.7	7 \$0.00	50.00	50,00	50.	2019	HICOISD	1.258300	5307,200	\$7.480	594 12	594 13	50.00	\$0.00	50.00	1
23	HICO EMERGENCY		\$409,600	3.7,480	\$4.67	\$4.6	7 50.00	\$0.00	\$0.00	50.		2019 Total:	1,916900		******		5143.13		\$0.00	\$0,00	
	SERVICE										2018	HICO EMERGENCY		\$256,000	\$7.480	\$7.34	\$7.34	\$0,00	\$0.00	\$0.00	)
23	COUNTY	0,400500	\$409,600	57,435	\$29.78	\$29.78	\$0.00	\$0.00	\$0.00	\$0.		SERVICE									
3	HICO ISD	0.902300	\$409,600	57,480	\$67,49	\$67.49	50,00	\$0.00	\$0,00	so	2018	COUNTY	0.560500	\$256,000	\$7,435	\$41,67	541,67	\$0.00	\$0.00	\$0.00	
_	2023 Total	1.365179				\$101,94		\$0.00	\$0.00	\$0	2018	HICO ISD	1.360000	\$256,000	\$7,480	\$101.73	\$101.73	50.00	\$0.00	\$0.00	
2	HICO EMERGENCY		\$471,040	37,480	\$5,15	\$5.15	\$0.00	\$0.00	50.00	\$0.		2018 Total	2.018600			\$150,74	\$150,74	\$0.00	\$0.00	\$0.00	
2	SERVICE DISTRICT HAMILTON	0.378300	\$471,040	37 435	528 13	\$28 13	50 On	\$0.00	50,00	50	2017	HICO EMERGENCY SERVICE	0.098100	\$256,000	\$7,480	57.34	\$7.34	\$0.00	\$0.00	\$0.00	
	COUNTY						*9,57	42.00	00,00	-		DISTRICT			-						
2	HICO ISD 2022 Total	1.042900	\$471.040	\$7,480		\$78.01		\$0,00	50,00	50.	2017	COUNTY	0.560500	\$256,000	\$7,435	\$41.67	\$41.67	\$0.00	\$0.00	\$0.00	
1	HICO		\$307,200	37.480			\$0.00	\$0.00	50,00	50. 50	2017	HICO ISD	1,360000	\$256,000	\$7,480	\$101.73	\$101.73	\$0.00	\$0,00	\$0.00	
	EMERGENCY SERVICE DISTRICT										2015	2017 Total HICO	2.018600 0.098100	\$256,000	57,480	\$150.74 \$7.34		\$0.00 \$0,00	50.00 \$0.00	50.00 50.00	
1	HAMILTON COUNTY	0.455400	\$307,200	\$7,435	\$33.86	\$33,86	50,00	\$0.00	50.00	50		EMERGENCY SERVICE DISTRICT									
1	HICO ISD	1,110300	\$307,200	57,480	\$83.05	\$83.05	\$0.00	\$0,00	50,00	30	2016	HAMILTON	0.560500	\$256,000	\$7,435	\$41,67	\$41.67	\$0.00	\$0.00	\$0.00	
	2021 Total.	1,650600			\$123,26	\$123.26	\$0,00	\$0.00	30,00	50,	2016	HICO ISD	1,360000	\$256,000	\$7,480	\$101.73	\$101,73	\$0.00	\$0.00	\$0.00	
	8 PM 2016 Total	2.018600				CAD Proper \$150.74		\$0.00	50.00	\$0	6/16/25, 3·3		1 240000	\$256,000	\$7.380		CAD Proper		50.00	\$0.00	
		2.018600 0.098100	\$256,000		Hamilton 5150,74		\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0 \$0	2011	HICO ISD 2011 Total	1,240000 1,896400	\$256,000		Hamilton 6 \$91.52 \$139.71	\$91.52	\$0.00	\$0,00 \$0.00	\$0.00 \$0.00	
5	2016 Total		\$256,000		\$150,74	\$150,74	\$0.00				2011	HICO ISD 2011 Total HICO EMERGENCY	1.895400	\$256,000 \$256,000		\$91.52	\$91.52	\$0.00 \$0.00		\$0.00 \$0.00 \$0.00	
5	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON			57,480	\$150,74	\$150,74 \$7.34	\$0.00				2011	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT	1.895400			\$91.52 \$139.71	\$91.52 \$139.71	\$0.00 \$0.00	\$0.00	\$0.00	
The second second	2016 Total HICO EMERGENCY SERVICE DISTRICT	0.098100	\$256,000	57,480 57,435	\$150,74 \$7.34	\$150,74 \$7.34 \$40.19	\$0.00 \$0.00 \$0.00	\$0.00	\$9.00	\$0	2010	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT	1,895400 0.088600		\$7,380	\$91.52 \$139.71 \$6.54	\$91.52 \$139.71 \$6,54	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00	
The second second	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY	0.098100	\$256,000	57,480 57,435 37,480	\$150,74 \$7.34 \$40.19	\$150,74 \$7.34 \$40.19 \$101.73	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0	2010	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON	1.896400 0.088600 0.561600	\$256,000	\$7,380 \$7,335	\$91.52 \$139.71 \$6.54 \$41,19	\$91,52 \$139.71 \$6,54 \$41.19	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total	0.098100 0.54050D 1.360000	\$256,000 \$256,000	\$7,480 \$7,435 \$7,480	\$150.74 \$7.34 \$40.19 \$101.73	\$150,74 \$7.34 \$40.19 \$101.73	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0. \$0.	2010 2010 2010	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.896400 0.088600 0.561600	\$256,000 \$256,000	\$7,380 \$7,335 \$7,380	\$91.52 \$139.71 \$6.54 \$41,19	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	
The state of the s	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT	0.098100 0.540500 1.360000 1.998600 0.098100	\$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480	\$150.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34	\$150,74 \$7.34 \$40,19 \$101.73 \$149.26 \$7.34	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE	1.896400 0.088600 0.561600 1.240000 1.890200	\$256,000 \$256,000	\$7,380 \$7,335 \$7,380	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	
	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT	0.098100 0.540500 1.360000 1.998600	\$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480	\$150.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34	\$150,74 \$7.34 \$40,19 \$101.73 \$149.26 \$7.34	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT	1.896400 0.088600 0.561600 1.240000 1.890200	\$256,000 \$256,000 \$256,000 \$256,000	\$7,380 \$7,335 \$7,380 \$7,380	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.62	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICOID	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400	\$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480	\$150,74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73	\$150,74 \$7.34 \$40,19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY	1.896400 0.088600 0.561600 1.240000 1.890200 0.088300	\$256,000 \$256,000 \$256,000 \$256,000	\$7,380 \$7,335 \$7,380 \$7,380	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$6.52 \$41.48	\$91.52 \$139.71 \$6,54 \$41.19 \$91.52 \$139.25 \$6.52	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
5	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,480	\$150,74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$151.63	\$150,74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$151.63	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.896400 0.088600 0.561600 1.240000 1.890200 0.088300	\$256,000 \$256,000 \$256,000 \$256,000	\$7,380 \$7,335 \$7,380 \$7,380 \$7,385 \$7,380	\$91.52 \$139.71 \$5.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.62 \$41.48 \$87.82	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
5	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,480	\$150,74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$151.63	\$150,74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$151.63	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009 2009 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 202009 Total HICO EMERGENCY	1.896400 0.088600 0.561600 1.240000 1.890200 0.088300	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,380 \$7,335 \$7,380 \$7,380 \$7,385 \$7,380	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$6.52 \$41.48	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.62 \$41.48 \$87.82	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
5	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE SERVICE HICO EMERGENCY SERVICE TOTAL HICO EMERGENCY SERVICE TOTAL HICO EMERGENCY SERVICE TOTAL HICO EMERGENCY SERVICE TOTAL HICO EMERGENCY HICO EMERGENCY SERVICE TOTAL HICO EMERGENCY HICO EMERGENC	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,480	\$150,74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$151.63 \$7.34	\$150,74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$7.34	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009 2009	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT	1.895400 0.088600 0.561600 1.240000 1.890200 0.088300 0.565500 1.210000 1.863800 0.0900000	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,380 \$7,335 \$7,380 \$7,360 \$7,360	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$135.82 \$46.64	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$135.82 \$5135.82 \$51.64	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
5 1 1 1	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE SERVICE TOTAL HICO EMERGENCY SERVICE TOTAL HICO E	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.098100	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480	\$150.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$7.34	\$150,74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$7.34	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009 2009 2009 2008	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE EMERGENCY SERVICE DISTRICT	1.895400 0.088600 0.561600 1.240000 1.890200 0.088300 0.565500 1.210000 1.863800 0.0900000	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,380 \$7,335 \$7,380 \$7,360 \$7,360	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$135.82 \$46.64	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$135.82 \$5135.82 \$51.64	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
1 1 1 1 1 2 2	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2013 Total HICO ISD	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.098100 0.522000 3.1320000 1.320000 1.320000	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,435 \$7,480 \$7,435	\$150.74 \$7.34 \$40.19 \$101.73 \$119.26 \$7.34 \$42.56 \$101.73 \$151.63 \$7.34 \$38.81 \$38.81 \$38.81	\$160,74 \$7.34 \$40,19 \$101,73 \$149,26 \$7.34 \$42,56 \$101,73 \$7.34 \$38,81 \$98,74	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009 2009 2009 2008 2008	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.895400 0.088600 0.561600 1.240000 1.890200 0.088300 0.565500 1.210000 1.863800 0.090000 :	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,335 \$7,335 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.62 \$135.62 \$36.64	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$135.82 \$36.64	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2013 Total HICO ISD	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.098100 0.522000 3.320000 1.320000	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,435 \$7,480 \$7,435	\$150.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$7.34 \$38.81 \$38.81	\$160,74 \$7.34 \$40,19 \$101,73 \$149,26 \$7.34 \$42,56 \$101,73 \$7.34 \$38,81 \$98,74	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009 2009 2008 2008 2008 2008 2008	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY EMERGENCY EMERGENCY EMERGENCY EMERGENCY EMERGENCY	1.895400 0.088600 0.561600 1.240000 1.890200 0.088300 0.565500 1.210000 1.863800 0.090000 :	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,335 \$7,335 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$135.82 \$40.75 \$87.82	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$135.82 \$36.64	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 1013 Total HICO EMERGENCY EMERGENC	0.098100 0.540500 1.360000 1.998600 0.098100 0.572400 1.360000 2.030500 0.098100 0.522000 3.1320000 1.320000 1.320000	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,435 \$7,436 \$7,436 \$7,480 \$7,480 \$7,435 \$7,480 \$7,480 \$7,435	\$150.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$151.63 \$7.34 \$38.81 \$98.74 \$144.89 \$7.22	\$160.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$7.34 \$38.81 \$98.74 \$144.89 \$7.22	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009 2009 2008 2008 2008 2008 2008	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE SISTRICT	1.895400 0.088600 1.240000 1.890200 0.088300 0.565500 1.210000 1.863800 0.090000 1.1190000 1.1190000 1.835500 0.093200	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,335 \$7,336 \$7,336 \$7,360 \$7,360 \$7,360 \$7,360 \$7,360 \$57,360 \$57,360	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$41.48 \$40.75 \$87.82 \$40.75 \$87.82 \$40.75	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$6.52 \$41.48 \$87.82 \$41.48 \$87.82 \$40.75 \$40.75 \$6.64	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
: : : : : : : : : : : : : : : : : : :	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2019 Total HIC	0.098100  0.540500  1.360000  1.998600  0.098100  0.572400  1.360000  2.030500  0.098100  5  1.320000  1.320000  1.320000  1.320000  1.320000  1.320000  1.320000  1.320000  1.320000  1.320000  1.320000  1.320000  1.320000	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480	\$150.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$7.34 \$38.81 \$38.81 \$59.74 \$7.22	\$160.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$7.34 \$38.61 \$38.61 \$96.74 \$144.69 \$7.22	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009 2009 2008 2008 2008 2008 2008 200	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE SISTRICT	1.895400 0.088600 1.240000 1.890200 0.088300 0.565500 1.210000 1.863800 0.090000 1.1190000 1.1190000 1.835500 0.093200	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,335 \$7,336 \$7,336 \$7,360 \$7,360 \$7,360 \$7,360 \$7,360 \$57,360 \$57,360	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$41.48 \$40.75 \$87.82 \$40.75 \$87.82 \$40.75	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$6.52 \$41.48 \$87.82 \$41.48 \$87.82 \$40.75 \$40.75 \$6.64	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
55 5 5 5 5 5 5 5 5 5 6 5 6 6 6 6 6 6 6	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2013 Total HICO EMERGENCY SERVICE SISTRICT HAMILTON COUNTY HICO ISD 2013 Total HICO EMERGENCY SERVICE SISTRICT HICO EMERGENCY HICO EMERGENC	0.098100  0.540500  1.360000 1.998600 0.098100  0.572400 2.030500 0.098100  0.522000 3 1.320000 3 1.340100 0.096500 S	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,435 \$7,436 \$7,436 \$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,480	\$150.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$7.34 \$38.81 \$38.81 \$59.74 \$7.22	\$160.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$7.34 \$38.81 \$98.74 \$7.22	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2009 2009 2008 2008 2008 2008 2007 E S 2007	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY	1.895400 0.088600 0.561600 1.240000 1.890200 0.088300 0.565500 1.210000 1.863800 0.090000 1.1900000 1.1900000 1.190000000000	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,380 \$7,335 \$7,380 \$7,360 \$7,360 \$7,380 \$7,380 \$7,380 \$7,380	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$6.64 \$40.75 \$6.64 \$40.75 \$6.88 \$537.81	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$135.82 \$6.64 \$40.75 \$87.82 \$6.64	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
55 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2013 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2013 Total HICO EMERGENCY SERVICE DISTRICT HICO EMERGENCY HICO EMERGENC	0.098100  0.540500  1.360000 1.998600 0.098100  0.572400 2.030500 0.098100 3 1.3200000 3 1.3200000 3 1.3200000 3 1.3200000 3 1.3200000 3 1.32000000 3 1.3200000 3 1.32000000 3 1.3200000 3 1.3200000 3 1.32000000 3 1.32000000 3 1.32000000 3 1.32000000 3 1.32000000 3 1.32000000 3 1.32000000 3 1.32000000 3 1.3200000000000 3 1.32000000000000000000000000000000000000	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480	\$150.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$7.34 \$151.63 \$7.34 \$38.81 \$98.74 \$7.22	\$160.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$7.34 \$101.73 \$7.34 \$38.81 \$98.74 \$7.22	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2010 2009 2009 2008 2008 2008 2007 6 2	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.895400 0.088600 0.561600 1.240000 1.890200 0.088300 0.565500 1.210000 1.863800 0.090000 1.863800 0.090000 1.863800 0.090000 1.863800 0.090000 1.863800 0.090000 1.863800 0.0900000 1.863800 0.0900000 1.863800 0.0900000 1.863800	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$184,320 \$184,320	\$7,335 \$7,335 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$6.52 \$6.64 \$40.75 \$6.88 \$6.82 \$6.	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.82 \$135.82 \$6.64 \$40.75 \$6.88 \$6.64	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	
I H C F E S C F C F Z H E S D	2016 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2015 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY ERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY ERVICE DISTRICT HAMILTON COUNTY HICO ISD 2013 Total HICO EMERGENCY ERVICE DISTRICT HAMILTON COUNTY HICO ISD 2013 Total HICO EMERGENCY ERVICE DISTRICT HAMILTON COUNTY HICO ISD 2013 Total HICO EMERGENCY ERVICE DISTRICT HAMILTON COUNTY HICO ISD 2014 Total HICO EMERGENCY ERVICE HICO EMERGENCY ERVICE HICO HICO HICO HICO HICO HICO HICO HICO	0.098100  0.540500  1.360000 1.998600 0.098100  0.572400 2.030500 0.098100  3.1320000 5.1320000 5.1320000 5.1320000 5.1320000 5.1320000 5.1320000 5.1320000 5.1320000 5.13200000 5.13200000 5.13200000 5.132000000 5.13200000	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000	\$7,480 \$7,435 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480 \$7,480	\$150.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$151.63 \$7.34 \$38.81 \$598.74 \$144.89 \$7.22 \$41.48 \$97.24	\$160.74 \$7.34 \$40.19 \$101.73 \$149.26 \$7.34 \$42.56 \$101.73 \$151.63 \$7.34 \$38.61 \$38.61 \$7.34 \$144.89 \$7.22 \$41.46 \$7.22	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0.	2010 2010 2010 2010 2010 2009 2009 2008 2008 2008 2008 2007 2007 2007 2007	HICO ISD 2011 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2010 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2009 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD 2008 Total HICO EMERGENCY SERVICE DISTRICT HAMILTON COUNTY HICO ISD	1.895400 0.088600 0.561600 1.240000 1.890200 0.088300 0.565500 1.210000 1.863800 0.090000 1.863800 0.090000 1.863800 0.090000 1.863800 0.090000 1.863800 0.090000 1.863800 0.0900000 1.863800 0.0900000 1.863800 0.0900000 1.863800	\$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$256,000 \$3184,320	\$7,335 \$7,335 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380 \$7,380	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$6.52 \$6.64 \$40.75 \$6.88 \$6.82 \$6.	\$91.52 \$139.71 \$6.54 \$41.19 \$91.52 \$139.25 \$6.52 \$41.48 \$87.62 \$135.82 \$6.64 \$40.75 \$6.88 \$67.82 \$6.88	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	

16/25. 3	38 PM				Hamilton	CAD Prope	erty Search				
2006	HAMILTON	0.530000	\$153,600	57,480	\$39.64	\$39.64	\$0.00	\$0,00	\$0.00	\$0	
2006	HICO ISD	1.420000	\$153,600	57,480	\$106.22	\$106.22	50.00	\$0.00	50.00	50	
	2006 Total:	2.043200			\$152.83	\$152.83	50.00	\$0.00	\$0.00	50	
2005	HICO EMERGENCY SERVICE DISTRICT	0.100000	\$76,800	\$7,480	\$7,48	\$7,46	\$0.00	\$0.00	\$0.00	\$0	
2005	HAMILTON COUNTY	0.530000	\$75,800	\$7,480	\$39.64	\$39,64	\$0.00	\$0,00	50,00	\$0	
2005	HICO ISD	1.540000	\$76,800	\$7,480	\$115.19	\$115.19	\$0.00	\$0.00	50.00	so	
	2005 Total	2.170000			\$162.31	\$162.31	\$0.00	\$0.00	30.00	SO.	
2004	HICO EMERGENCY SERVICE DISTRICT	0,100000	50	\$7,480	\$7.48	\$7.48	\$0.00	\$0.00	50.00	SO.	
2004	HAMILTON COUNTY	0.544800	\$0	\$7,480	\$40.75	540.75	\$0.00	\$0.00	\$0.00	50	
2004	HICO ISD	1.540000	30	57,480	\$115.19	\$115.19	\$0.00	\$0.00	30,00	50	
	2004 Total	2,184800			\$163,42	\$163.42	\$0.00	\$0.00	\$0.00	\$0	
2003	HICO EMERGENCY SERVICE DISTRICT	0.100000	50	\$7,480	\$7,48	57.48	\$0.00	\$0.00	30.00	50.	
2003	HAMILTON COUNTY	0.538900	50	57,480	540,31	540.31	\$0.00	\$0.00	\$0,00	50	
2003	HICO ISD	1.540000	50	\$7,480	\$115.19	\$115.19	\$0.00	\$0.00	30.00	50	
	2003 Total:	2.178900			\$162,98	\$162.98	50.00	\$0.00	50,00	\$0.	
2002	HICO EMERGENCY SERVICE DISTRICT	0,100000	\$0	57,480	\$7.48	\$7.48	\$0,00	50.00	\$0.00	50	
	HAMILTON COUNTY	0,543000	50	37,480	\$40,62	\$40,52	\$0.00	\$0.00	\$0.00	\$0	
2002	HICO ISD	1.540000	so	\$7,480	\$115,19	\$115.19	\$0,00	\$0.00	\$0,00	\$0	
	2002 Total	2.183000			\$163.29	5163.29	50.00	\$0.00	50.00	50	

2001	HICO EMERGENCY	0.100000	\$0	\$6,960	\$6.95	\$6.96	\$0.00	\$0.00	\$0.00
	SERVICE DISTRICT								
2001	HAMILTON COUNTY	0,567800	so	\$6,960	\$39.52	\$39,52	\$0.00	\$0.00	\$0.00
2001	HICO ISD	1,470000	\$0	\$6,960	\$102.31	\$102,31	\$0.00	50.00	\$0.00
	2001 Total	2.137800			\$148.79	\$148.79	\$0.00	\$0.00	\$0.00

	TCEQ USE ONLY
C	pplication type:   Renewal Major Amendment Minor Amendment New Ounty: Admin Complete Date:
A	gency Receiving SPIF:   Texas Historical Commission  U.S. Fish and Wildlife
_	☐ Texas Parks and Wildlife ☐ Army Corps of Engineers
	SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)
	This form is required for all TPDES applications
1.	Applicant: Oene Keuning
2.	Permit Number: <u>WQ0004108000</u> EPA ID Number: <u>TX0128619</u>
3.	Address of the project (location description that includes street/highway, city/vicinity, and county). The facility is located approximately 3.8 miles West of the intersection of US Hwy 281 and County Road 207 in Hamilton County, Texas.
4.	Provide the name, address, telephone and fax number of an individual that can be contacted to answer specific questions about the property.
	First and Last Name: <u>Corey Mullin</u>
	Company Name: Enviro-Ag Engineering, Inc.
	Mailing Address: 9855 FM 847
	City, State, and Zip Code: <u>Dublin, TX 76446</u>
	Phone Number: <u>254/965-3500</u> Fax Number: <u>254/965-8000</u>
5.	County where the facility is located: <u>Hamilton</u>
6.	If the property is publicly owned and the owner is different than the permittee/applicant, please identify the owner. $\underline{n/a}$
7.	Identify the name of the water body (receiving waters) and TCEQ segment number that will receive the discharge. <u>North Bosque River in Segment No. 1226 of the Brazos River Basin</u>
8.	Provide a 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. (This map is required in addition to the map in the administrative report.)
9.	Provide photographs of any structures 50 years or older on the property.
LO.	Does your project involve any of the following? Select all that apply.  □ Proposed access roads, utility lines, and construction easements  □ Visual effects that could damage or detract from a historic property's integrity  □ Vibration effects during construction or as a result of project design  □ Additional phases of development that are planned for the future  □ Sealing of caves, fractures, sinkholes, or other karst features  □ Disturbance of vegetation or wetlands

11. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves or other karst features): Click here to enter text.

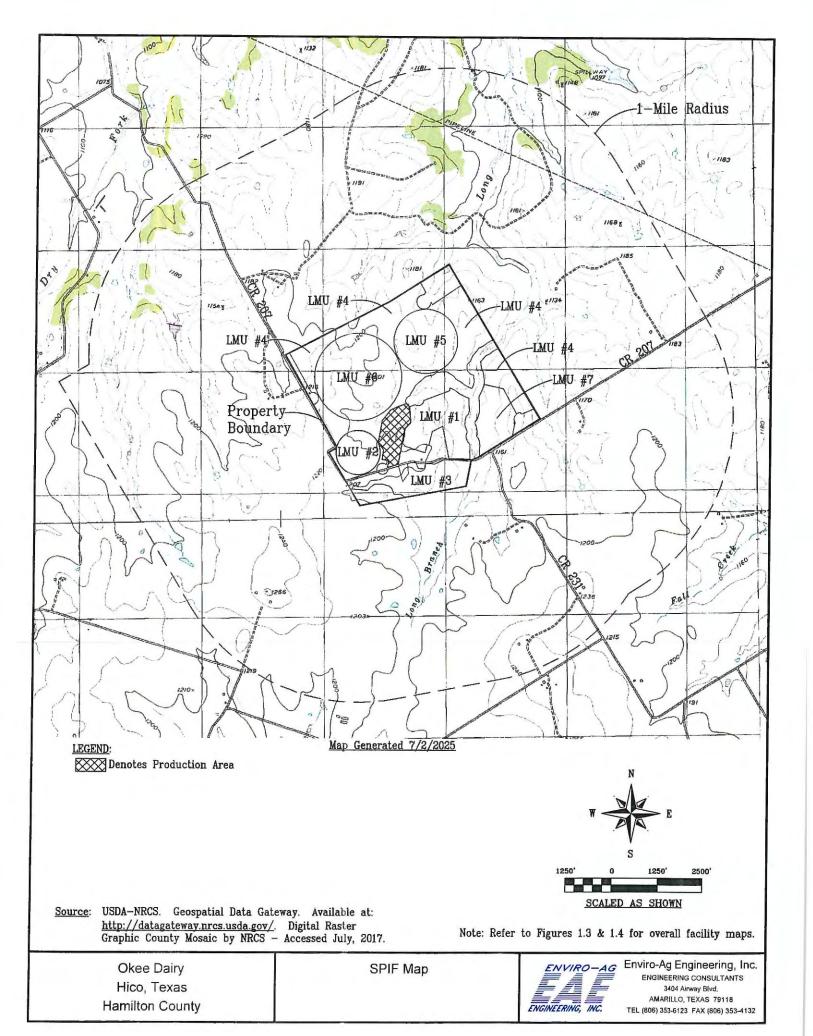
12. Describe existing disturbances, vegetation & land use (plowing, other ground disturbances): n/a

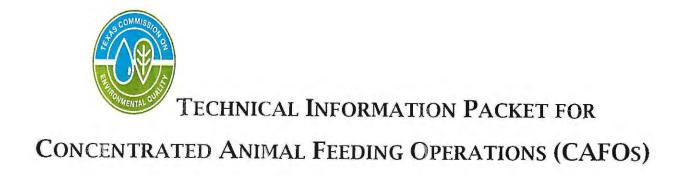
#### The following applies to New TPDES and Major Amendment to TPDES Permits:

- 13. List construction dates of any buildings or structures on the property: <u>The Land Management Units (LMUs) at the facility are planted in Corn and Coastal Bermuda grass and normal expected farming practices to maintain the crops will be utilized.</u>
- 14. Provide a brief history of the property, and name of the architect/builder, if known: <a href="https://www.nchi.org/nchi.org/">unknown</a>

# The following applies to New, Amended and Renewal TPDES applications:

- 15. List each Retention Control Structure and its required capacity (Acre Feet). unknown
- 16. Provide the location and number of acres where wastewater and manure are land applied: The facility has 463 acres available for waste and wastewater application. See attached Figure 1.3 for exact locations of the LMUs.
- 17. List the maximum number of head to be permitted. 2,000





Submit this Form with your Individual Permit Application (TCEQ - 000728)

Name of Site: Okee Dairy

TCEQ Permit Number, if assigned: WQ000  $\underline{4108000}$ 

Date Prepared: June 2025

#### SECTION 1. POLLUTANT SOURCES MANAGEMENT

For each potential pollutant source listed in the table below, provide the management practices utilized or enter "Not Applicable". Management practices should address the collection, storage and final disposition of each potential pollutant source. You may attach your list.

**Table 1: Potential Pollutant Sources and Best Management Practices** 

Potential Pollutant Source	Best Management Practices
Manure and Manure Stockpiles	See Attached BMPs
Wastewater	See Attached BMPs
Sludge	See Attached BMPs
Compost	See Attached BMPs
Feed and Bedding	See Attached BMPs
Silage stockpiles	See Attached BMPs
Dead animals	See Attached BMPs
Dust	See Attached BMPs
Lubricants	See Attached BMPs
Pesticides	See Attached BMPs
Bulk cleaning chemicals	N/A
Inorganic fertilizers	N/A
Fuel storage tanks	See Attached BMPs
Other, specify: Parlor Chemicals & Burial Site	See Attached BMPs

#### SECTION 2. RETENTION CONTROL STRUCTURE DESIGN

# A. Design Summary

1)	Design Standards,	Characteristic,	and	Values	Sources	Used
----	-------------------	-----------------	-----	--------	---------	------

- ☐ Natural Resource Conservation Service
- American Society of Agricultural and Biological Engineers

#### I. POLLUTANT SOURCES AND MANAGEMENT

B. For each potential pollutant source, provide the management practices utilized.

Note: A Best Management Practice, as defined in 30 TAC §321.32(7), is the schedule of activities, prohibitions of practices, maintenance procedures, and other management and conservation practices to prevent or reduce the pollution of water in the state. BMPs also include treatment requirements, operating procedures, and practices to control site runoff, spillage or leaks, sludge, land application, or drainage from raw material storage. The following practices should be updated in the on-site PPP as changes to facility operating procedures occur. Employee training should be provided upon development & implementation of any BMP.

#### Potential Pollutant Sources:

#### Potential Best Management Practices (BMPs)

Manure, Sludge, Stockpiles, Slurry,	Temporary (< 30 days) & Permanent Storage (>30 days)
Bedding, Feed Waste & Compost	Store in drainage area of the RCS - OR -
	If not located within drainage area, berm area to contain runoff.
	Annually sample manure/manure stockpiles/compost/slurry for nutrient
	concentrations.
	Manure, Sludge, Slurry and/or Compost -Land application on-site or to third-
	party fields or transferred to other persons.
	Regular pen maintenance (scraping & drainage)
Dust - Vehicle Traffic	Control speeds around the facility.
	Reduce travel on unpaved facility roads, or manage dust by sprinkling road with
	water and/or a suppressant on an as needed basis.
	Utilize paving products and/or gravel to manage dust on facility roads.
	Utilize dust abatement measures for feed handling equipment, Utilize choke
	feeding when handling feed ingredients & Utilize feed ingredients, such as
Dust - Feed Handling/Processing	moisture or other additives, to manage dust.
Feedstuff/Silage Stockpiles	Contain leachate in an earthen berm or in the RCS
	Minimize feed spoilage & utilize plastic covers or roofej aneas for storage when
	applicable.
Lubricants/Pesticides/Herbicides/Parlor Chemicals	Store under roof
	Handle and dispose according to label directions
Fuel Tanks	Provide secondary containment
	Prevent overfills/spills
Wastewater	Store in RCS
	Land application according to NUP/NMP
	Land application will not occur during periods of saturation or frozen
	conditions (except in the event of imminent overflow)
	Annually sample for nutrient concentrations
	Maintain liner and capacity certifications
	Land application on-site or to third-party fields
	Maintain adequate capacity as determined by the pond marker schematic
Dead Animals	Disposed by a third-party rendering service, composted on-site or burial.
	Collected within 24 hours of death and disposed within hree days of death
	Carcasses buried at least 3 feet below the natural west ace of the ground.
Burial Pits	Covered with 3 feet of native soil.

2) Total Number of Animals:

In Open Lots: 500 In Buildings: 1,500

3) Animal Housing Location, hours/day:

Open Lots: 21.5 Buildings: 2.5

- 4) Average Liveweight, pounds per head: 1,400
- 5) Volatile Solids Removed by Separator System: 40%
- 6) Volatile Solids Loading Rate, lbs/day/1000 ft<sup>3</sup>: 5.30

7) Spilled Drinking Water, gallons/day: <u>Included in cleanup water</u>

8) Water for Cleanup, gallons/day: 22,500 gal/day

9) Water for Manure Removal, gallons/day: <u>Included in cleanup water</u>

10) Recycled Wastewater, gallons/day: n/a

#### B. Wastewater Runoff

- 1) Design Rainfall Amount, inches: 12.2
- 2) Design Rainfall Event:
  - □ 25-year, 24 hour
  - □ Soil Plant Air and Water (SPAW) Field and Pond Hydrology Model
  - ≥ 25-year, 10 day
  - D Other; specify: Click here to enter text.

# C. Retention Control Structure(s) (RCS) Volume Allocations

Table 2. RCS Volume Allocations (Acre-Feet)

RCS Name	Design Rainfall Event Runoff	Process Generated Wastewater	Minimum Treatment Volume	Sludge Accumulation	Water Balance	Required Capacity	Actual Capacity
1	0.00	0.00	6.90	1.15	0.00	8.05	9.62
2	14.82	2.07	0.00	0.16	4.60	21.64*	27.12
						*Rounded Figure	

Indicate which RCSs are in-series: RCS #1 & RCS #2

# D. RCS Liner or Lack of Hydrologic Connection Certification

Table 3: RCS Hydrologic Connection

RCS Name	Construction Date	Type of Hydrologic Connection Certification
RCS #1	1992	Liner Cert., Jerry Holligan P.E., February 17, 1997
RCS #2	2008	Liner Cert., Norman Mullin P.E., October 13, 2008
Settling Pond #1	2001	Liner Cert., Norman Mullin P.E., April 24, 2006
Settling Pond #2	2004	Liner Cert., Norman Mullin P.E., June 19, 2017

#### E. Playa Lakes

Are any playa lakes used for RCSs?	Yes □	No ⊠

# SECTION 3. MANURE, SLUDGE, AND WASTEWATER HANDLING

#### A. Manure:

1)	Us	e or Dispos	sal Method:			
	$\boxtimes$	Land Application to LMUs				
	$\boxtimes$	Transfer	Transfer to other persons			
	$\boxtimes$	Third Par	ty Fields			
		Other; spe	ecify: Click l	ne e to ente	r text.	
2)	Lar	ıd Applicat	ion Locatio	n:		
	$\boxtimes$	Onsite	$\boxtimes$	Offsite □	Not Applicable	
3)	Coı	mposting L	ocation:			
	$\boxtimes$	Onsite □	Offsite □	Not Appli	cable	

# B. Sludge:

- 1) Use or Disposal Method:
  - oxdim Land Application to LMUs
  - ☐ Transfer to other persons
  - □ Third Party Fields

		Other; spe	cify: Clic	k h	e a to enter text.
2)	Laı	nd Applicat	ion Loca	tion	:
	$\boxtimes$	Onsite ⊠	Offsite		Not Applicable

#### C. Wastewater:

- 1) Use or Disposal Method:
  - □ Land Application to LMUs
  - ☐ Total Evaporation
  - □ Third Party Fields
  - □ Other; specify: Click he to enter text.
- 2) Land Application Location:
  - oximes Onsite oximes Offsite oximes Not Applicable

# D. Land Application Summary from the Nutrient Management Plan

For each Land Management Unit (LMU), provide the name, acre, crops/yield goals and application rates on Table 4 below. Add rows if needed or attach additional pages.

Table 4: Land Management Unit Summary from the Current NMP

LMU Name	Acre	Crop(s) and Yield Goal(s)	Application Rate (Ac- ft/Ac/Year OR Tons/Ac/Year)
1	51	Coastal GC 9-11T; SG GC 6-7T	238.1 tons/ac/yr
2	26	Coastal GC 9-11T; SG GC 6-7T	0.167 ac-ft/ac/yr
3	45	Coastal GC 9-11T; SG GC 6-7T	238.1 tons/ac/yr
4	155	Coastal GC 9-11T; SG GC 6-7T	238.1 tons/ac/yr
5	53	Coastal GC 9-11T; SG GC 6-7T	0.658 ac-ft/ac/yr
6	100	Silage-Corn 16-20T; SG GC 8-9T	0.458 ac-ft/ac/yr
7	33	Coastal GC 9-11T; SG GC 6-7T	113.3 tons/ac/yr

- 1) Wastewater production, ac-in/year: 600.12 ac-in/yr (Table 2.3, Col. 4)
- 2) Estimated Wastewater application, ac-in/year: 394.08 ac-in/yr (Table 2.3, Col. 10)
- 3) Manure production, tons/year: 6,479 tons/yr (Table 2.1)
- 4) Estimated manure application, tons/year: 1,016 ton/yr (NMP)
- 5) Estimated manure transferred to other persons, tons/year: 5,463 tons/yr (NMP)

# E. Floodplain Information

1) Is any part of the production area within a 100-year floodplain? Yes  $\square$  No  $\boxtimes$  If YES, describe management practices to protect the sites. Click here to enter text.

Is land application or temporary storage of manure in a 100-year floodplain or near a water course? Yes ⊠ No □

If YES, describe management practices. <u>Vegetative buffer shall be maintained between</u> <u>all waters of the state and any waste/wastewater application.</u>

#### F. Soil Limitations

**Table 5: Soil Limiting Characteristics and Best Management Practices** 

Soil Types	Limiting Characteristics	Best Management Practices
BxD, OgB	Droughty  Depth to Hard Bedrock  Depth to Soft Bedrock	<ul> <li>Land Application not to exceed agronomic rates for nutrients and soil hydraulic rates (refer to NMP)</li> <li>Irrigation events will be managed to assist in maintaining soil moisture levels within the range of the available water holding capacity of that Land Management Unit.</li> <li>No land application to inundated soils</li> </ul>
PkB	Droughty Depth to Bedrock	<ul> <li>Land Application will be based upon the AWC (refer to NMP) of the soil and will not exceed agronomic rates for nutrients.</li> <li>Irrigation events will be managed to assist in maintaining soil moisture levels within the range of the available water holding capacity of that Land Management Unit.</li> <li>No land application to inundated soils</li> </ul>
KrB, SsB	Slow Water Movement	<ul> <li>Land Application will be based upon the AWC (refer to NMP) of the soil and will not exceed agronomic rates for nutrients.</li> <li>No land application to inundated soils</li> </ul>
ToC, WsC	Depth to Soft Bedrock	<ul> <li>Land Application will be based upon the AWC (refer to NMP) of the soil and will not exceed agronomic rates for nutrients.</li> <li>Irrigation events will be managed to assist in maintaining soil moisture levels within the range of the available water holding capacity of that Land Management Unit.</li> <li>No land application to inundated soils</li> </ul>
NuC	Large Surface Stones Slow Water Movement	- Land Application will be based upon the AWC (refer to NMP) of the soil and will not exceed agronomic rates for nutrients.

Soil Types	Limiting Characteristics	Best Management Practices		
		- Irrigation events will be managed to assist in maintaining soil moisture levels within the range of the available water holding capacity of that Land Management UnitNo land application to inundated soils		

# G. Well Protection

Table 6: Water Well Status and Protective Measures

Well ID Number	Well Type	Producing or Non- Producing	Open, Cased, or Capped	Protective Measures
1	Domestic	Producing	Cased	See Attached Approved Well Buffer Exception
2	Domestic	Producing	Cased	See Attached Approved Well Buffer Exception
3	Domestic	Producing	Cased	Maintain 150-ft Buffer
4	Domestic	Producing	Cased	Maintain 150-ft Buffer
5	Domestic	Non-Producing	Cased	See Attached Plugging Report
6	Domestic	Non-Producing	Cased	See Attached Plugging Report
7	Domestic	Non-Producing	Cased	See Attached Plugging Report
8	Domestic	Producing	Cased	Maintain 150-ft Buffer
9	Domestic	Producing	Cased	Maintain 150-ft Buffer
10	Domestic	Producing	Cased	Maintain 150-ft Buffer
11	Domestic	Producing	Cased	Maintain 150-ft Buffer

Well ID	Well Type	Producing or Non-	Open, Cased,	Protective
Number		Producing	or Capped	Measures
12	Domestic	Producing	Cased	Maintain 150-ft Buffer

#### **SECTION 4. AIR AUTHORIZATION SUMMARY**

#### A. Type of Air Authorization

- ☑ Air Standard Permit in 30 TAC § 321.43
- Permit By Rule in 30 TAC Chapter 106 Subchapter F
- ☐ Individual Air Quality Permit

If Air Standard Permit is selected, then complete Sections B and C below.

#### B. Indicate the AFO Status and Buffer Option.

	Oper	ation started after August 19, 1998:
		½ mile buffer*
		¼ mile buffer* and an odor control plan
$\boxtimes$	Oper	ation started on or before August 19, 1998:
	$\boxtimes$	¼ mile buffer*
		odor control plan

\*A written letter of consent from an affected landowner may be used in lieu of meeting the buffer distances specified.

#### C. Odor Receptors

Identify the number of occupied residences or business structures, schools (including associated recreational areas), places of worship, or public parks located within the following distances from permanent odor sources as defined in 30 TAC §321.32(43):

0 - ¼ mile: 4 (4 Applicant Owned)

1/4 - 1/2 mile: 0

½ - 1 mile: 8 (1 Applicant Owned)

#### **SECTION 5. ATTACHMENTS**

### A. Maps

- 1) Site Map
- 2) Land Management Unit Map
- 3) Vicinity Map
- 4) Original United States Geological Survey 7.5 Minute Quadrangle Map
- 5) 100 Year Floodplain Map (if applicable)
- 6) Runoff Control Map
- 7) Natural Resource Conservation Service (NRCS) Soil Survey Map

#### B. Professional Certifications

- 1) Recharge Feature Certification Statement and Supporting Documents
- 2) RCS Design Calculations (Water Nutr, Animal Waste Management (AWM), or equivalent)
- 3) RCS As-Built Capacity Certifications (if constructed)
- 4) RCS Hydrologic Connection Certifications (if constructed)

# C. Land Application

- 1) Nutrient Management Plan
- 2) Nutrient Utilization Plan. If the NUP is already approved, include the approval letter.
- 3) Copy of Annual Soil Sampling Analyses (used for the NMP that was submitted with the application)

4) Copy of Annual Manure and Wastewater Analyses (used for the NMP that was submitted with the application

#### D. Air Standard Permit Documentation (if required)

- 1) Area Land Use Map,
- 2) Odor Control Plan, if applicable
- 3) Written Consent Letters, if applicable

# E. Groundwater Monitoring (if required)

- 1) Groundwater Monitoring Plan
- 2) Groundwater Monitoring Analyses

# TABLE OF CONTENTS

TABL	LE OF CONTENTS	*****
LIST	OF FIGURES	
LIST	OF TABLES	ii
1.0	FACILITY MAPS	1
2.0	CALCULATIONS & SPECIFICATIONS	6
3.0	FACILITY INFORMATION	13
4.0	WASTE UTILIZATION & NUTRIENT MANAGEMENT PLAN	14
5.0	RECHARGE FEATURE CERTIFICATION	16
6.0	SURFACE WATER & TMDL ASSESSMENT	31
7.0	AIR STANDARD PERMIT REQUIREMENTS	34

# LIST OF FIGURES

Figure 1.1: Vicinity Map	2
Figure 1.2: USGS Quadrangle Map	
Figure 1.3: Site Map	4
Figure 1.4: Runoff Control Map	
Figure 2.1: Manure & Wastewater Flow Chart	7
Figure 5.1: Geologic Atlas Map	
Figure 5.2: NRCS Soils Map	
Figure 5.3: Recharge Feature Map	
Figure 6.1: Aerial Photograph	
Figure 7.1: Area Land Use Map	

# LIST OF TABLES

Table 2.1: As-Excreted Manure Characteristics	8
Table 2.2: Required Storage Volumes – RCS #1 & RCS #2	11
Table 2.3: Water Balance Model – RCS #1 & RCS #2	12
Table 5.1: Estimated Sail Properties	22
Table 5.2: Major Soil Types	
Table 5.3: Potential Soil Limitations for Land Application	
Table 5.4: Well Information	

# 1.0 FACILITY MAPS

#### 1.1 Vicinity Map

Figure 1.1, Vicinity Map, is a general highway map generated in AutoCAD using Tiger Primary and Secondary roads data from geospatial Data Gateway at http://datagateway.nrcs.usda.gov/ (retrieved 2014). The location of the facility is depicted on the map.

# 1.2 USGS Quadrangle Map

Figure 1.2, entitled 7.5-Minute USGS Map is a seamless, high-quality copy of the 7.5-minute USGS quadrangle map (Hico, TX, quadrangle) that shows the boundaries of land owned, operated, or controlled by Okee Dairy and used as part of the concentrated animal feeding operation; and all springs, lakes, or ponds located on-site and within 1 mile of the property boundary.

### 1.3 Site Map

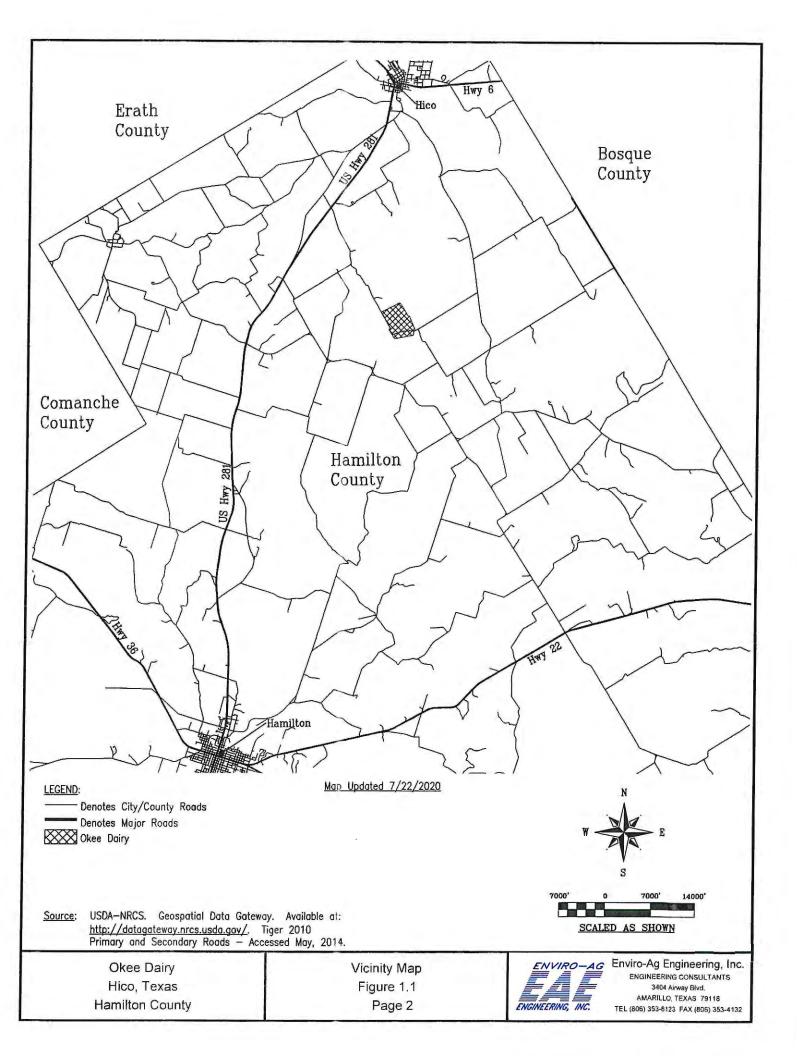
Figure 1.3, Site Map, is a scaled drawing of the entire property to be permitted showing the locations of the following information:

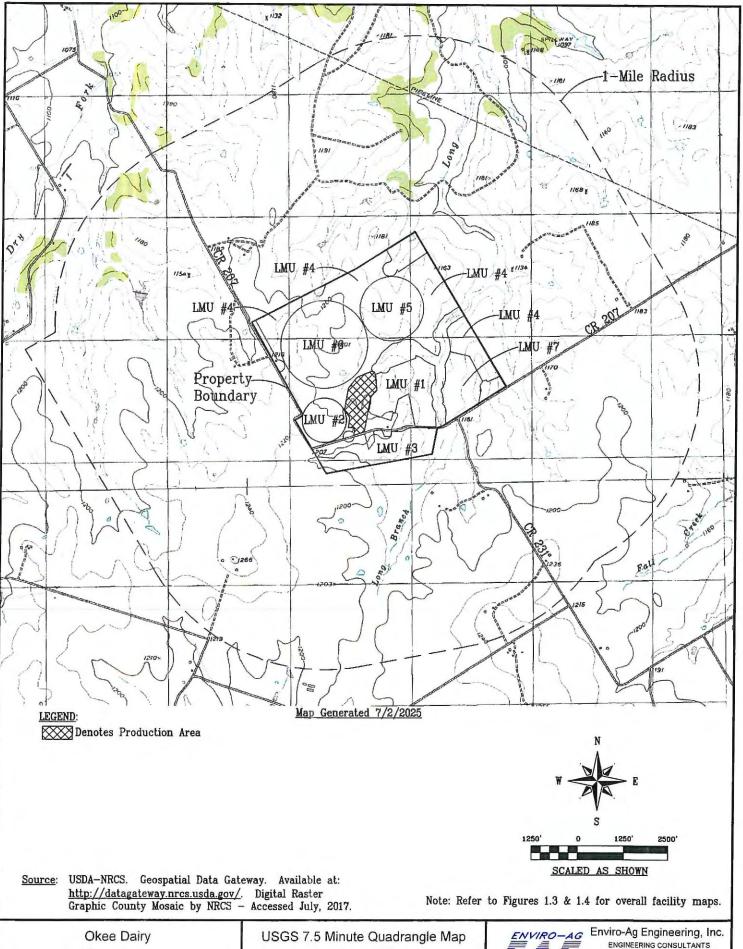
- Pens/Open Lots
- Barns
- Retention Control Structures
- Land Management Units
- Buffer zones
- Wells
- Freshwater Ponds
- Berms/Diversions
- Milking Parlor
- Manure/Compost Storage Areas
- Burial Site

### 1.4 Runoff Control Map

Figure 1.4 is a scaled drawing of the production area showing the pens, barns, wells, RCSs, permanent manure storage and compost areas, hay/silage storage, drainage area boundaries and flow directions.

1

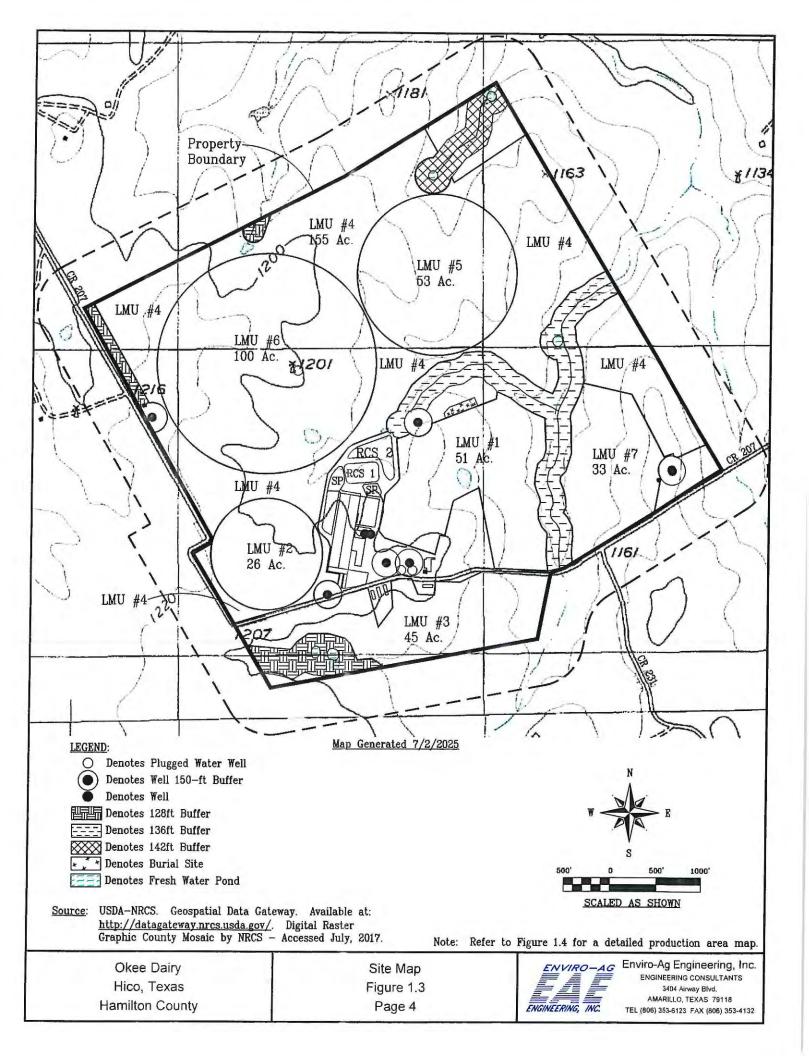


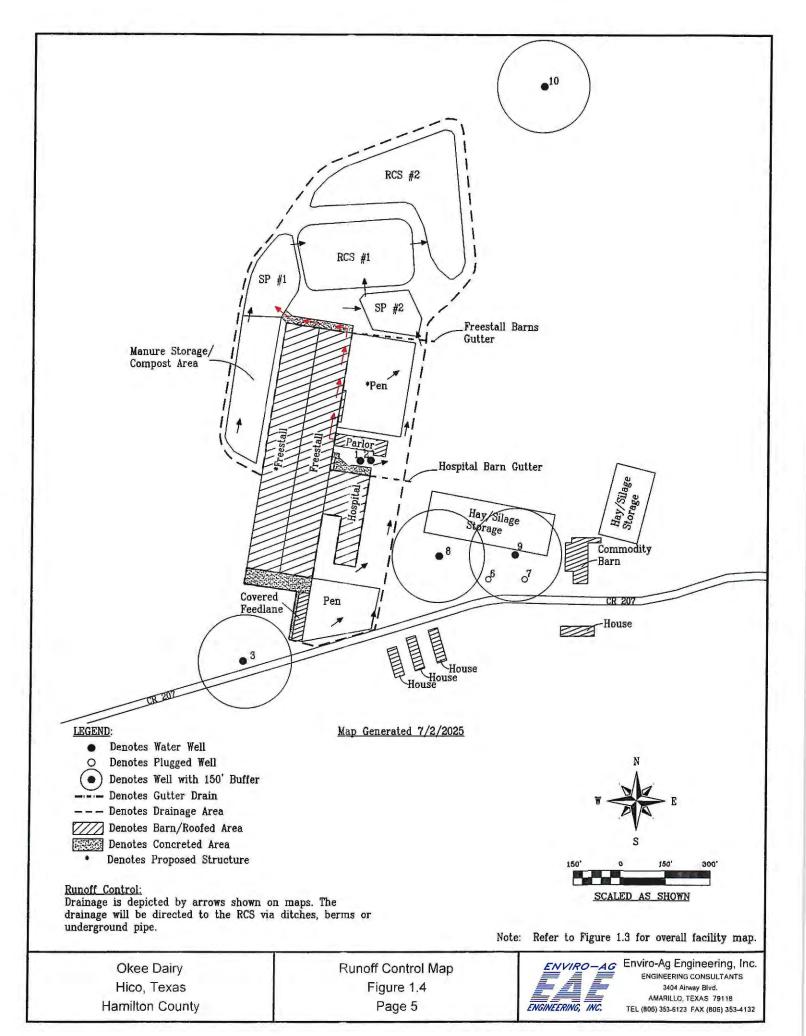


Okee Dairy Hico, Texas Hamilton County

USGS 7.5 Minute Quadrangle Map Figure 1.2 Page 3 ENVIRO-AC

Enviro-Ag Engineering, Inc. ENGINEERING CONSULTANTS 3404 Airway Blvd. AMARILLO, TEXAS 79118 TEL (806) 353-6123 FAX (806) 353-4132





# 2.0 CALCULATIONS & SPECIFICATIONS

#### 2.1 Facility Overview

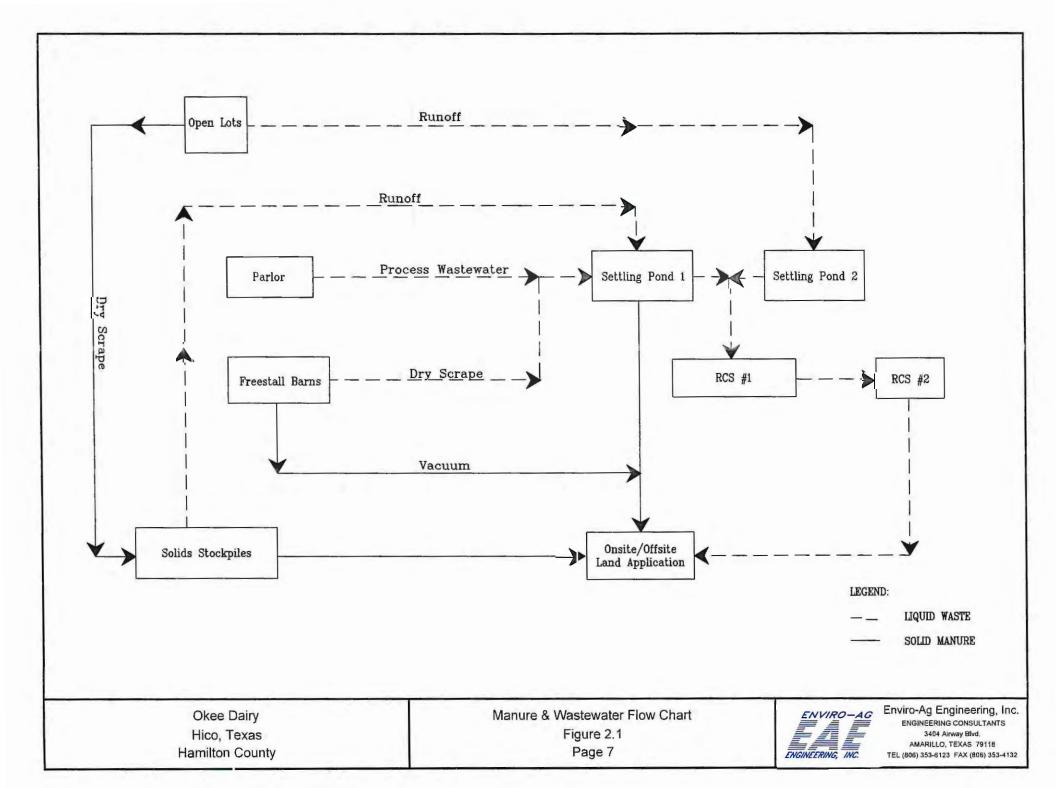
The existing facility consists of pens, freestall barns, a milking parlor, two settling ponds, one slurry pit and two retention control structures to confine 2,000 head, of which 1,500 head are milking.

This major amendment application is for reconfiguring the LMUs, addition of land, addition of new LMUs, reconfigure the drainage area, addition of a freestall barn, remove the slurry pit, expansion of the hospital barn, addition of a pen located to the East of the freestall barn and addition of wells #10, #11 and #12. The existing manure and/or wastewater storage structures have been certified as meeting TCEQ requirements for soil liner. Figure 2.1, Manure & Wastewater Flow Chart, shows the waste handling procedures and storage practices at the facility.

#### 2.2 Manure Production

Table 2.1, As-Excreted Manure Characteristics Existing Dairy Facility, is included as a summary of the annual manure and nutrient production for the facility. The totals in Table 2.1 represent as-excreted manure and nutrient values for the maximum head count shown in the application.

Note: This data is intended for planning and design purposes and is not to be used for whole-farm nutrient mass balance calculations.



# ESTIMATED MANURE PRODUCTION for a DAIRY FACILITY

Table 2.1 ENVIRO-AG ENGINEERING, INC.

NAME OF CAFO:

Okee Dairy

LOCATION:

**Hamilton County** 

DATE:

June-25

MANURE PRODUCTION CRITERIA (a)				
FACILITY TOTAL	Milkers in Parlor	Milkers in Barns	Others*	Total
Maximum Number of Animals Confined (head):	1,500	1,500	500	2,000
2. Confinement period, hrs/hd/day	2.5	21.5	24	24
3. Percent of time in Confinement	10%	90%	100%	100%
4. Total Manure Production, lbs/day	23,438	201,563	41,500	266,500
5. Total Solids Production, lbs/day	3,125	26,875	5,500	35,500
6. Manure Production, tons/year	570	4,905	1,004	6,479
7. Volatile Solids Production, lbs/day	2,656	22,844	4,600	30,100
8. Total Nitrogen Production, lbs/day	155	1,330	250	1,735
9. Total Phosphorus, P2O5 lbs/day (b)	61	523	76	660
10. Total Potassium, K2O lbs/day (b)	43	371	198	612

#### NOTES:

- \* Includes dry cows, growing heifers and young stock.
- (a) Manure and nutrient production values are taken from American Society of Agricultural and Biological Engineers Data: (ASABE D384.2 MAR05\_R2010) Manure Production and Characteristics, Table 1.b Section 3. Production values given in terms of lb/day-animal (wet-basis).
- (b) The ASAE Manure Production and Characteristics Tables give P and K in the elemental forms. Convert to P2O5 by multiplying by 2.29 and to K2O by multiplying by 1.2.

#### 2.3 Process-Generated Wastewater Volume

The primary source of process-generated wastewater is wash water from the milking parlor operations, which is directed to settling pond #1 and then into RCS #1 and RCS #2. The freestall barns are vacuumed and dry scrapped manure removal. All open lot pens are dry scraped for manure removal. The volume of process wastewater (including wet manure from the milking parlor) generated daily is estimated to be 15 gallons per head (based on site specific data for Okee Dairy). The design storage volume in RCS #2 for process-generated wastewater is 30 days and is calculated in Table 2.2.

# 2.4 25-Year, 10-Day Rainfall Storage Volume

In accordance with 30 TAC §321.42(c)(1), RCS #2 is designed to maintain a margin of safety to contain the runoff and direct precipitation from the 25-year, 10-day storm event for this location, which is 12.2 inches of rainfall. Drainage area runoff volumes are calculated using the SCS method with curve numbers (CN) selected based on soil type and land use. The pen area runoff and compost/manure area were calculated using a CN of 90, the pond area was calculated using a CN of 100, and the adjacent areas were calculated a CN of 90. Roofed/concrete areas were calculated using a CN of 100. Runon from areas outside the control facility is directed away from the RCSs. Table 2.2 shows the calculated storage volume required for the rainfall runoff from a 25-year, 10-day storm.

#### 2.5 Sludge Accumulation Volume

Sludge accumulation from the milking parlor wash water was calculated using a rate of 0.0729 cubic feet of sludge per pound total solids (from USDA-NRCS Agricultural Waste Management Handbook) and a sludge storage period of 1 year. Parlor waste/wastewater is directed to settling ponds, with an estimated collection/removal efficiency of 40% (Midwest Plan Services) to reduce the amount of solids entering the RCSs, thereby reducing the demand for sludge storage. The required sludge accumulation volume calculations are shown in Table 2.2

#### 2.6 Water Balance Model

Table 2.3, Water Balance Model, estimates the inflows and withdrawals from RCS #2 including runoff, direct rainfall, process-generated wastewater, evaporation, and irrigation withdrawal based on crop demand in accordance with 30 TAC §321.38(e)(7)(C). Actual pond withdrawal amounts will vary with changing weather conditions. An additional volume is included in the RCS to provide flexibility in managing RCS levels.

# 2.7 RCS Management Plan

A RCS Management Plan was developed by a licensed Texas professional engineer and has been implemented to incorporate the margin of safety, as specified in 30 TAC

\$321.42(g). The plan includes the elements specified in \$321.42(g)(1)-(6), and a copy is maintained in the onsite PPP.

# 2.8 Minimum Treatment Volume Requirement

A minimum treatment volume for odor control is required to obtain air standard authorization from the TCEQ. The minimum treatment volume is determined by estimating the volatile solids production rate less the removal efficiency of the settling basins and using a loading rate specified by ASABE Standards (ASAE EP 403.4 FEB2011) of 5.30 lbs of volatile solids per 1,000 cubic feet of storage. Table 2.2 shows the minimum treatment volume calculation.

#### REQUIRED STORAGE VOLUMES FOR TREATMENT/ RUNOFF RETENTION CONTROL STRUCTURES

#### Table 2.2 ENVIRO-AG ENGINEERING, INC.

NAME OF CAFO: LOCATION: Okee Dairy Hamilton County

DATE:

June-25

Total Required RCS #1 Volume:	(ac-ft)	8.05
I-Year Sludge Volume:	(ac-ft)	1 15
Treatment Volume:	(ac-ft)	6.90
TOTAL TREATMENT VOLUME		
Sludge Volume:	(æ-ft)	1 15
Sludge Accumulation Period:	(years)	1
Sludge Accumulation Rate (c):	(cuft/lb)	0.0729
Adjusted Dry Manure Production	(lb/day)	1,875
Settling Basin Efficiency (%):		40%
Dry Manure Produced:	(lb/day)	3,125
SLUDGE VOLUME		
Treatment Volume:	(ac-ft)	6 90
Design Loading Rate (IbVS/1000curl-day) (b):		5 30
Adjusted Volatile Solids Production:	(lb/day)	1.594
Senting Basin Efficiency (%) (a):		40%
Volatile Solids Produced:	(lb/day)	2,656
TREATMENT VOLUME		

#### NOTES:

- (a) Midwest Plan Service, 1983. Revised 1987 (Waste Management, pg. 702-11)
- (b) Loading Rate taken from Figure 2, ASABE Standards (ASABE EP403 4 FEB2011)
- (c) Sludge Accumulation Rate taken from Table 1, ASABE Standards (ASABE EP403 4 FEB 2011)
- (d) Value includes wet manure production from the milking parlor
- (e) Using SCS method:

Where:

S = (1000/CN) - 10

 $Q = ((1 - 0.2S)^2)/(1 + 0.8S)$ 

S = Potential maximum retention after runoff begins in)

Q = Runoff (in)

I = 25-year, 10-day rainfall (in)

CN = Curve Number from SCS 210-VI-TR-55,

2nd Edition, June 1986

(f) USDA Agricultural Field Waste Handbook, Kansas, Part 651.1082, Suggested procedures for sediment volume estimation (1 year storage, pen/adjacent area and 1.5%)

NOTE: Calculations were performed in Microsoft Excel using floating point arithmetic in order to maintain the accuracy of the data. Any inconsistencies in rounding of the displayed values are not to be construed as errors in the calculation. For more information, please refer to http://support.microsoft.com/

PROCESS GENERATED WASTE/N	VASTEWATER	
Parlor Wash Water (d):	(gal/head/day)	15
No of Head in Parlor:	-	1,500
Volume of Process Water.	(gal/day)	22500
Design Storage Period	(days)	30
Process Water Volume:	(ac-ft)	2.07
RAINFALL VOLUME		
Drainage Area Characteristics:	(acres)	CN
Pen Area:	2 30	90
Adjacent/Manure Storage Areas:	4.85	90
Paved/Roof Areas:	0 80	100
Settling Ponds:	1 35	100
RCS #1 Surface Area:	1 70	100
RCS #2 Surface Area:	428	100
Total Drainage Area:	15.30	
25-year, 10-Day rainfall:	(inches)	12.2
Runoff VolumeDete rmination (c):	(inches)	(ac-ft)
Pen Area:	11.0	2 10
Adjacent/Manure Storage Areas:	110	4 43
Paved/Roof Areas:	12.2	0.81
Settling Ponds:	12 2	1 37
RCS #1 Surface Area:	122	1.73
RCS #2 Surface Area:	12 2	4 37
Rainfall Volume:	(ac-ft)	14.82
TOTAL RCS VOLUME REQUIRED	annin.	
Dung#Shides Values (6)	ATE OF TELL (ac-ft)	0 16
Runoff Sludge Volume (f): Process Water Volume:	S. (ac-ft)	2.07
Rainfall Volume:	* (ac-ft)	14 82
Additional from Water Balance:	NOBMAN H. MULLIN	4 60
Total Required RCS #2 Volume:	(р. 66107 г. ас-п)	21.64

Firm No. F-2507

# WATER BALANCE MODEL IRRIGATION AND EVAPORATION for RCS #2 Table 2.3

#### ENVIRO-AG ENGINEERING, INC.

NAME:	Okee Dairy	HYDROLOGIC CHARACTERISTICS			IRRIGATION CELL VOLUME SUMMARY DATA	
LOCATION:	Hamilton County	Pen Areas (acres):	2.30		25-Year, 10-Day Rainfall Volume (ac-ft):	14.82
DATE:	June-25	Adjacent/Maure Storage Areas (acres):	4.85		Process Generated Wastewater Volume (ac-ft):	2.07
		Payed/Roof Areas (acres):	0.80		Sludge Accumulation Volume (ac-ft):	0 16
		Total RCS/SB Surface Areas (acres):	7.35		Additional Volume (ac-ft):	4 60
		Total Irrigated Area (acres)(12):	100	100	Total Required Capacity (ac-ft):	21 64
		Cropping Scheme:	Com	Winter Wheat		
		Effective Eventual on Surface See (money)	: 66			

	1	RCS IN	FLOW CALCULA	Effective Evaport		1	HYDRAULIC C	ROP DEMAND C	ALCULATIONS			RCS STORA	GE SUMMARY	-
MONTH	(I) (inches)	(2) (inches)	(2) (inches)	(3) (ac-ft)	(4) (ac-ft)	(5) (inches)	(6) (inches)	(6) (inches)	(7) (ac-ft)	(7) (ac-ft)	(8) (inches)	(9) (ac-ft)	(10) (ac-ft)	(11) (ac-fi)
													start value>	5 70
JAN	1.57	0 24	0.24	2 14	3 35	1.57	0.00	2.74	0.00	9.75	2.23	0.68	8.22	0.16
FEB	1 39	0.39	0.39	1.93	3.45	1 39	0.00	3.11	0.00	10.17	2 56	0.78	2 67	0 16
MAR	2 12	0 52	0.52	2 (4	3 89	2 12	0 00	4 97	0.00	23 75	4 08	124	2 65	0 16
APR	2 68	0 86	0.36	2 07	4,40	2.68	2 62	5 74	0 00	25.51	4 97	151	2 89	0.16
MAY	4 15	1.94	1.94	2 14	611	3 97	5.40	5.33	11.95	11.36	4 97	1.51	4.60	0 16
JUN	3 08	1.13	1.13	2.07	4.84	3 06	7.78	3.22	39.36	1 36	6 67	2.03	2.81	0.16
JUL	1 87	0.38	0.38	2 14	3.64	1.87	9.05	0.00	59 83	0.00	7 72	2 3 5	1 29	0 16
AUG	2.13	0.52	0.52	2.14	3 90	2 13	4.86	0.00	22 75	0.00	7.42	2 26	1.64	0 16
SEP	2 95	1.04	1.04	2 07	4 70	2 94	0.00	0.00	0.00	0.00	561	1.71	0.00	3 14
OCT	2 96	1 03	1.05	2 14	4.78	2.95	0.00	2 15	0.00	0.00	4.60	1.40	0 00	6.52
NOV	1 88	0 39	0.39	2 07	3.58	1.88	0.00	1.70	0.00	0 00	3 17	0.97	0.00	9 13
DEC	1 60	0 25	0,25	2.14	3.38	1,60	0.00	2 33	0.00	6 0 \$	2 37	0 72	6 08	5 70
TOTALS	28 88	871	8.71	25 20	50 01	28.64	29.71	31 29	133.89	37 98	56 37	17.17	32.84	

#### NOTES:

- (1) AVERAGE PRECIPITATION Average precipitation taken from the Texas Water Development Board, Erath County, Quad #609, retrieved June 16, 2025.
- (2) RUNOFF PENS AND ADJACENT AREA Runoff from pens, adjacent areas calculated using SCS Curve Number Method adjusted from 1 to 30-day Curve Number (Pen CN-77, Adj CN-77) (Ref. NRCS Animal Waste Management Software Help File-Program Documentation for Runoff)
- (3) INFLOW Inflow is calculated from process generated wastewater, Table 2.2.
- (4) TOTAL INFLOW Total inflow is calculated as that volume of rainfall that falls on the RCS and process water that enters the RCS.
- (5) RAINFALL ON IRRIGATED AREA Effective monthly rainfall on the irrigated area calculated using SCS Curve Number Method adjusted from 1 to 30-day Curve Number (Irr. CN-44). (Ref. NRCS Animal Waste Management Software Help File-Program Documentation for Runoff)
- (6) CONSUMPTIVE USE values from Borrelli, et al., 1998 Mean Crop Consumptive Use and Free-Water Evaporation for Texas, Dept. of Civil Engineering. Texas Tech University. Lubbock, Texas (Table 16).
- (7) NET CROP DEMAND Net Crop Demand = ((Consumptive Use(6) Effective Rainfall(5))/12) x (migated Area.
- (3) MONTHLY LAKE SURFACE EVAPORATION Average monthly take surface evaporation taken from the Texas Water Development Board. Erath County, Quad #609, retrieved June 16, 2025.
- (9) NET POND EVAPORATION Net Evaporation from the water surface is taken as (Monthly Lake Surface Evap/12) x (RCS Surface Area).
- (10) ACTUAL WITHDRAWAL Actual Withdrawal from the irrigation cell not to exceed Net Crop Demand. (No consideration given for nutrient demand of crop)
- (11) STORAGE AT END OF MONTH Storage volume in the irrigation cell at the end of the month The storage calculated in this column should not encroach in the volume reserved for the 25-year, 10-day rainfall event
- (12) Irrigated acres include LMU #6.

NOTE: Calculations were performed in Microsoft Excel using floating point arithmetic in order to maintain the accuracy of the data. Any inconsistencies in rounding of the displayed values are not to be a calculation. For more information, please refer to http://support.microsoft.com/kb/42980

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NORMAN H. MULLIN

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Firm No F-2507

Page 12

# 3.0 FACILITY INFORMATION

# 3.1 Required Certifications

RCS #1, RCS #2, Settling Pond #1 and Settling Pond #2 have been certified by a licensed Texas professional engineer as meeting the liner requirements of the TCEQ. Existing liner and capacity certifications are attached.

## 3.2 100-Year Flood Plain Evaluation

There are no FEMA floodplain maps available for Hamilton County. Based on an on-site visit none of the production area is located within the 100-year flood plain.



# Okee Dairy Hamilton County, Texas RCS #1 Capacity Certification

The survey capacity performed on October 14, 2008 by Enviro-Ag Engineering, Inc. using a Trimble GSP surveying system on retention control structure (RCS) #1 with 2 vertical feet of dry freeboard was calculated to be:

9.62 acre-feet (1.51 surface acres @ HWL)

Prepared by:

Norman Mullin, P.E. Enviro-Ag Engineering, Inc.

(Supporting Documentation Attached)

A.C. Lowther Cert. Professional Soil Scientist 3310 Santa Monica Abilene, Texas 79605

RCS #1

February 17, 1997

Texas Natural Resource Conservation Commission Applications and Enforcement Section Agriculture and Rural Assistance Division P.O. Box 13067 Austin, Texas 78711-3087

Re: Bauke Mulder Dairy

A.C. Lowther has completed sampling and testing of the soil liner for the Waste Storage Pond on the Bauke Mulder Dairy, Hamilton, County, Texas. The test results including sample thickness, Atterberg limits, permeability and percent passing the number 200 sieve are tabulated on the attached report. Our findings indicate the soils meet the criteria established by the TNRCC.

Sincerely,

A.C. Lowther, CPSS

a. 1. Low Thee

Submitted By: Bauke Mulder

Signed By:

Date:

JERRY E 4HOLLIGATION AND LANGUAGE OF TEXT AND LANGU

Jerry E. Holligan 2309 Hancock Drive Suite 1 A

Texas 78756

EE DAIRY Attachment IV.C.4 LINER CERTIFICATION

Mulder - Page 1

# A.C. Lowther Cert. Professional Soil Scientist 3310 Santa Monica Abilene, Texas 79605

Name: Mulder Dairy

Pond No. I	2ond # 1	Sampl	ed 2-12-97	Sampleo	By: A.C. Lov	wther
Test Locati	ion No	). 1	No.2	No.3	No.4	Minimum Req
Soil Descrip	ption					
Colo	or Ye	llowish	Yellowish	Yellowish	Yellowish	
(Mu	nsell) Bro	own	Brown	Brown	Brown	
Text	ture Cla	y loam	Clay	Clay loam	Clay loam	
(AS)	TM D-422)				•	
Unif	ied CL		CL	CL	CL	
Sample Dep	oth 18		18	18	18	18
Atterberg L	imits					
(AST	M D-423					
Liqu	id Limit %	36.3	41.2	41.4	34.3	30
Plast	ic Limit %	17.3	26.1	20.6	18.9	
Plast	icity Index %	18.9	15.1	20.8	15.4	15
Passing No.	200 Seive %	78	85	79	83	30
Permeability	2.6	X 10 - 8				1 X 10 - 7
In-Place Den (ASTM D-15		ting Pon	d)			
Sample No.	Field Moilsture	Option Moist		Field Density	Maximum Density	Density
	%	%		(#/Cu.Ft.)	(#/Cu.Ft.)	(% Maximum)

# A.C. Lowther Cert. Professional Soil Scientist 3310 Santa Monica Abilene, Texas 79605

February 17, 1997

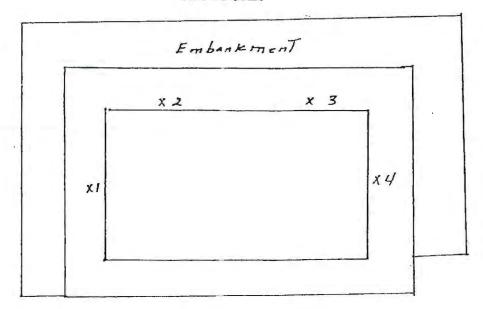
Name: Bauke Mulder Dairy

# SOIL SAMPLE LOCATIONS

Depth of Samples (BGL): 8 Feet

Sampled By: A.C. Lowther

## Not To Scale



Attachment IV.C.4.b
LINER CERTIFICATION



# Okee Dairy Hamilton County, Texas RCS #2 Capacity Certification

The survey capacity performed on May 27. 2008 by Enviro-Ag Engineering, Inc. for retention control structure (RCS) #2 with 2 vertical feet of dry freeboard is:

RCS #2

27.12 ac-ft with 3.17 surface acres @ HWL

Respectfully Submitted,

Norman Mullin, P.E.

Enviro-Ag Engineering, Inc.

(Supporting Documentation Attached)



#### Okee Dairy Hamilton County, Texas New RCS #2 Liner Certification

Four three-inch Shelby tube core samples were collected from RCS #2 to document that the liner meets the requirements of the TCEQ requirements for soil liner. The liner thickness was documented to be at least 18 inches.

The hydraulic conductivity of the soil liner is documented as follows:

•	RCS #2 Bottom 1 (784)	7.8 x 10-9 cm/sec
•	RCS #2 Bottom 2 (785)	3.7 x 10-8 cm/sec
•	RCS #2 Side 1 (786)	4.4 x 10-9 cm/sec
	RCS #2 Side 2 (787)	5.4 x 10-9 cm/sec

Based on the above documentation the liner in New RCS #2 is determined to be in accordance with TCEQ requirements for soil liners. The test results meet the requirements of the TCEQ for hydraulic conductivity considered protective of ground and surface water resources.

Respectfully Submitted,

/mman/Mollin Revised 10/13/08

Enviro-Ag Engineering, Inc.

(Supporting Documentation Attached)

LABORATORY SERVICES

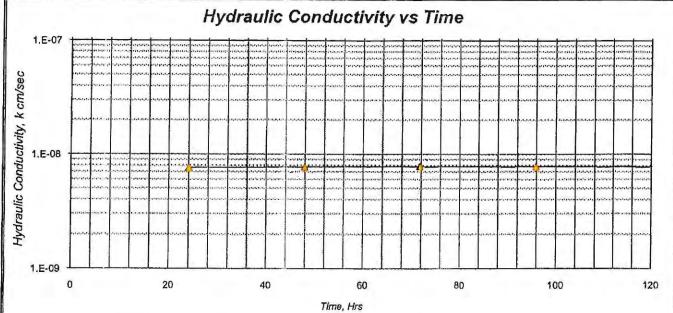
3404 Airway Blvd., Amerillo, TX 79118 (806) 353-6123

# HYDRAULIC CONDUCTIVITY

REPORT

ASTM D-5084, Method C Client / Project Name: Lab Sample Number: Okee Dairy 784 08-05-20

Sample ID: Report Date: July 2, 2008 RCS #2 - Bottom 1



#### SPECIMEN DATA

SAMPLE ID:	1		
DESCRIPTION.	RCS #2 - Botto	om 1	
	<u>INITIAL</u>	<u>FINAL</u>	
HEIGHT, In.	2.8	2.8	
DIAMETER, in.	2.8	2.8	
WATER CONTENT, %	9.7	18.6	
DRY DENSITY, pcf	113	112	
SATURATION, %	54	99	
(Specific Gravity assumed as 2.7	7)		
SAMPLE COLOR	Brown/Yellor	w	
SAMPLE CONSISTENCY	Clay		

#### COMMENTS:

Tap water used as permeant.

#### TEST DATA

	ASTM D-5084.	Method C	
EFFEC?	TIVE STRESS:	5 psi	
GRADIE	ENT RANGE:	4 - 4	
IN / OU	T RATIO:	1.00	
		HYDRAULIC	
TRIAL	TIME	CONDUCTIVITY	
nos.	hrs.	cm / sec	
1	24.1	7.6E-09	
2	48.0	7.7E-09	
3	71.8	7.8E-09	
	05.0	7.8E-09	
4	95.9	7.0L-08	

7.8E-09 AVERAGE LAST 4:

These rejuils apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering Inc. By accepting the data and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, inc. from Client and all other parties claims arising out of the use of this data to the cost for the respective test(s) represented here, and Client agrees to indemnify and hold harmless Enviro-Ag from and against all liability in excess of the aforementioned limit.

Z : Solls Lab\Perms \2008 \ 08-05-20 \ 784

Print Date: 10/13/08

Miceh Mullin

784

DCN: EAE-QC-GRAPH (Lev. 11/10/04)

# HYDRAULIC CONDUCTIVITY

3404 Airwey Bivd., Amerilio, TX 79118 (806) 353-6123

LABORATORY SERVICES



REPORT ASTM D-5084, Method C

Client/Project Name:

Okee Dairy

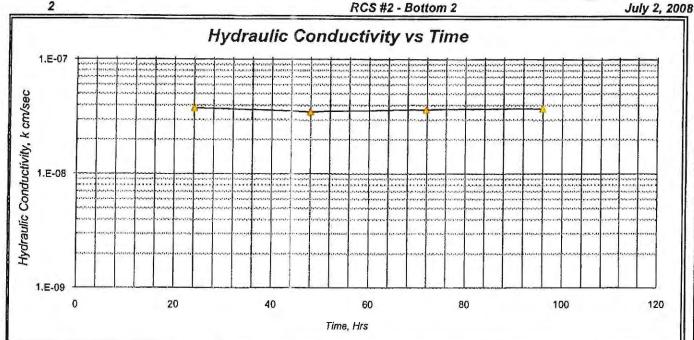
Sample ID:

Project No:

08-05-20

Semple Coefficit:

Report Date:



#### SPECIMEN DATA

SAMPLE ID:	2		
DESCRIPTION:	RCS #2 - Botto	om 2	
	<u>INITIAL</u>	FINAL	
HEIGHT, in.	3.2	3.2	
DIAMETER, In.	2.8	2.9	
WATER CONTENT, %	14.9	17.3	
DRY DENSITY, pcf	110	106	
SATURATION, %	75	79	
(Specific Gravity assumed as 2.7	7)		
SAMPLE COLOR	Yellow		
SAMPLE CONSISTENCY	Clay		

COMMENTS:

Tap water used as permeant.

# TEST DATA

	IESTL	VATA
	ASTM D-5084,	Method C
EFFEC	TIVE STRESS:	5 psi
GRADIE	NT RANGE:	3 - 3
IN/OU	T RATIO:	1.06
-		HYDRAULIC
TRIAL	TIME	CONDUCTIVITY
nos.	<u>hrs.</u>	cm / sec
1	24.1	3.8E-08
2	48.0	3.5E-08
3	71.8	3.7E-08
4	95.9	3.8E-08
AVEF	RAGE LAST 4:	3.7E-08

AVERAGE LAST 4: 3.7E-0

These results apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering inc.

By accepting the data and results represented on this page, client agrees to limit the flability of Enviro-Ag Engineering, inc. from Client and all other parties claims arising out of the use of this data to the cost for the respective test(s) represented here, and Client agrees to indemnify and hold harmless Enviro-Ag from and egainst all flability in excess of the aforementioned limit.

ab/Perms 12008 \ 08-05-20 \ 785

Print Date:

Reviewed By:

Z: Solls LabVPerms \2008 \ 08-05-20 \ 785 DCN: EAE-QC-GRAPH (rev. 11/10/04)

10/13/08

Micah Mullin

Reviewed By:

LSN:

Iullin

785

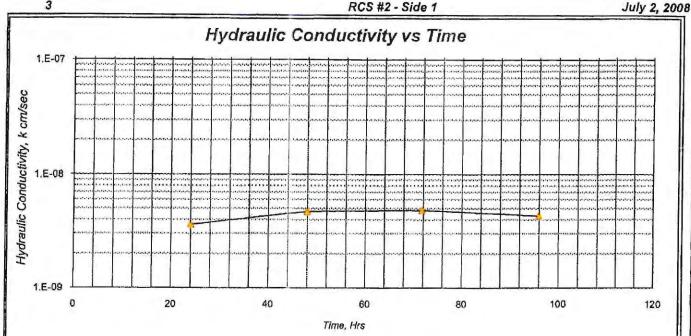
HYDRAULIC CONDUCTIVITY

3404 Airway Blvd., Amerilio, TX 79118 (806) 353-6123 LABORATORY SERVICES



REPORT ASTM D-5084, Method C

Okee Dalry 08-05-20 786 Report Date; RCS #2 - Side 1



# SPECIMEN DATA

SA	MPLE ID:	3	
DESC	RIPTION:	RCS #2 - Side	e 1
		<u>INITIAL</u>	<u>FINAL</u>
HEIG	HT, in.	1.8	1.8
DIAM	ETER, in.	2.8	2.7
WAT	ER CONTENT, %	11.7	13.2
DRY	DENSITY, pcf	110	119
SATL	IRATION, %	59	86
(Speci	lfic Gravily assumed as 2.7	)	
SAM	PLE COLOR	Yellow	
SAME	PLE CONSISTENCY	Clay	

#### COMMENTS:

Tap water used as permeant.

	TEST	DATA
	ASTM D-5084,	Method C
<b>EFFE</b> C	TIVE STRESS:	5 psi
GRADIE	ENT RANGE:	5 - 6
IN / OU	T RATIO:	1.10
		HYDRAULIC
TRIAL	TIME	CONDUCTIVITY
nos.	hrs.	cm / sec
1	24.1	3.6E-09
2	48.0	4.7E-09
3	71.8	4.8E-09
4	95.9	4.3E-09
AVEF	RAGE LAST 4:	4.4E-09

These results apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering inc. By accepting the data and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, Inc. from Client and all other parties claims arising out of the use of this date to the cost for the respective test(s) represented here, and Client agrees to indemnify and hold harmless Enviro-Ag from and against all liability in excess of the eforementloned limit.

-ebPerms \2008 \ \08-05-20 \ \786 \ Print Date: Reviewed By: LSN:

Z : Soils Leb\Perms \2008 \ 08-05-20 \ 786 DCN: EAE-QC-GRAPH (rev. 11/10/04)

10/13/08

Micah Mullin

MARCH

LSN:

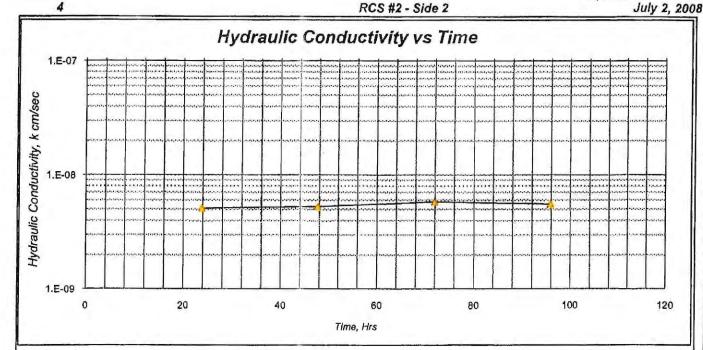
# Enviro-Ag Engineering, Inc. HYDRAULIC CONDUCTIVITY

LABORATORY SERVICES



REPORT ASTM D-5084, Method C

Client / Project Name: Okee Dairy 08-05-20 787 Report Date:



#### SPECIMEN DATA

SAMPLE ID:	4		
DESCRIPTION:	RCS #2 - Side	e 2	
	<u>INITIAL</u>	<u>FINAL</u>	
HEIGHT, in.	1.7	1.7	
DIAMETER, in.	2.9	2.9	
WATER CONTENT, %	10.1	23.9	
DRY DENSITY, pcf	108	103	
SATURATION, %	49	102	
(Specific Gravity assumed as 2.7	)		
SAMPLE COLOR	Yellow		
SAMPLE CONSISTENCY	Clay		

#### COMMENTS:

Tap water used as permeant.

#### TEST DATA

	ASTM D-5084,	Method C	
EFFECTIVE STRESS:		5 psi	
GRADIE	NT RANGE:	5 - 6	
IN / OUT RATIO:		1.06	
		HYDRAULIC	
TRIAL	TIME	CONDUCTIVITY	
nos.	<u>hrs.</u>	cm / sec	
	23.9	5.1E-09	
1	Takes and the	5.3E-09	
1	47.7	5.3E-09	
	47.7 71.9	5.8E-09	

5.4E-09 AVERAGE LAST 4:

Thuse results apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering inc. By accepting the data and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, Inc. from Client and all other parties claims arising out of the use of this data to the cost for the respective test(s) represented here, and Cilient agrees to Indemnify and hold harmless Enviro-Ag from and against all liability in excess of the aforementioned fimile. Print Date:

Z : Solls Lab/Perms \2008 \ 08-05-20 \ 787 DCN: EAE-QC-GRAPH (rov. 11/10/04)

10/13/08

Micah Mullin

Reviewed By LSN:

787

TRIAXIAL PERMEABILITY CHAIN of CUSTODY	STRUCTURE	PERM REPORT I.D.	LAB LOG
	RCS#1 DOTTON	1	784
	BOTTOMZ		785
<b>S</b>	SIDE 1	3	786
Rcs#T.	510EZ	4	787
SD X®			
Facility Name: Okep Dairy			
Project Engineer: NOMAN MWIN  Sampled by: Roeland Stokes  Date Sampled: 5/20/08  Date to Lab: 5/21/08  Received: Rugh Bakin	EAE	iro-Ag Enginee engineering consi 3404 Almay Boule AMARILLO, TEXAS (806) 353-6123 FAX (8	ULTANTS Willid 79118



# LINER DISTURBANCE RE-CERTIFICATION Slurry/Settling Pond #1 Okee Dairy Hamilton County, Texas

In January 2006, the clay liner for the settling basin located at Okee Dairy was sampled for hydraulic conductivity determination after cleaning activities. The sample was collected to verify a minimum liner thickness of 12 inches and then submitted to Dyess-Peterson Testing Laboratory, Inc. in Amarillo, Texas for permeability determination. Results of the permeability tests are as follows:

Slurry/Settling Slurry Pond #1 - 5.61 x 10E-08 cm/sec

Based on a liquid depth of 12 ft, the above permeability test results meet the TCEQ allowable seepage rates for runoff control structures (1.5 ft thickness of 1.0 x 10E-07 cm/sec materials).

Respectfully submitted,

Norman H. Mullin, P.E.

(Revised on 4/24/06 to reflect date sample was collected)

(Supporting Documentation Attached)

# PERMEABILITY TEST REPORT

TEST DATA: Specimen Height (cm): 12.70 Specimen Diameter (om), 6.23 Dry Unit Weight (pcf): 101.3 Moisture Before Test (%): 13.6 Moisture After Test (%): 24.4 Run Number: 1 . Cell Pressure (psi): 50.0 Test Pressure(psi): 40.9 Back Pressure(psi): 45.1 Diff. Head (psi): 4.8 Flow Rote (cc/sec): 4 51 x 10-5 Perm. (cm/sec): 5.61 x 10-8

SAMPLE DATA

Sample Identification: Sample Labeled Slurry Pond #1

Visual Description. Dark Brown Sandy Lean Clay with Caliche Nodules

Remarks: Hico, Texas

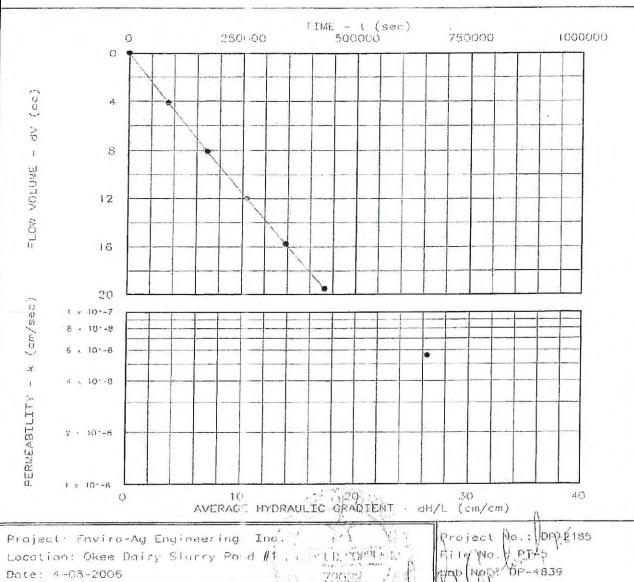
2 4

Maximum Dry Density (pcf): Optimum Moisture Content (%):

Percent Compostion:

Permeameter type: Flexible Woll

Sample type: In-Place



rab (Ner≎ 0P-4859 Mested by:

132 Chebled by:
1 Fest: CH - Constant head

PERMEASILITY TE'T REPORT DYESS-PETERSON TESTING LABORATORY, INC.



CORPORATE OFFICE 3404 AIRWAY BLVD AMARILLO, TEXAS 79118 800.753.6525

CENTRAL TEXAS OFFICE 9855 FM 847 **DUBLIN, TEXAS 76446** 800.753.6525

**NEW MEXICO OFFICE** 203 EAST MAIN STREET ARTESIA, NEW MEXICO 88210 800.753.6525

www.enviroag.com

## Okee Dairy Hamilton County, Texas

## Soil Liner Certification for Settling Pond #2

Two Shelby tube core samples of the soil liner in Settling Pond #2 at Okee Dairy were collected and analyzed for permeability to document that the soil liner meets the requirements of TCEQ. Results of the permeability analysis are shown below:

> 7.7 x 10-8 cm/sec (Northeast Wall) 8.0 x 10-8 cm/sec (Southwest Wall)

Based on the above documentation, the liner in Settling Pond #2 is determined to be in accordance with TCEQ requirements for soil liners. The test locations were backfilled with bentonite chips. The test results meet the requirements of the TCEQ for hydraulic conductivity considered protective of ground and surface water sources.

Respectfully Submitted,

NORMAN H. MULL

Norman Mullin, P.E.
Enviro-Ag Engineering, Inc. F#2507

Attachments:

Enviro-Ag Engineering, Inc. Reports

#### CALCULATION OF SPECIFIC DISCHARGE

SITE:

Okee Dairy

LOCATION:

Hamilton County, TX

STRUCTURE:

Settling Pond #2

This worksheet calculates the specific discharge through a soil liner based on the measured thickness of the clay liner and the results of the permeability testing. The maximum allowable specific discharge of the liner is 1.1 x E-06 cm/sec or 0.0374 in/day.

Laboratory Sample I.D.	Hydraulic Conductivity Results of Core Samples						
	4276	4277					
Water Depth, feet	12	12					
2. Liner Thickness, inches	18.0	18.0					
Hydraulic Conductivity, cm/sec	7.70E-08	8.00E-08					
. Calculated specific discharge, v'							
Seepage Rate, inches/day	0.0236	0.0245					
Maximum Seepage Rate, inches/day	0.0374	0.0374					

#### NOTES:

- (1) Water depth of the pond in feet.
- (2) Soil liner thickness in inches.
- (3) Hydaulic conductivity of the core sample(s) as determined by flexible wall permeameter in cm/sec (Ref: ASTM D 5084). The following equation is used:

v' = k(H + d)/d

where: v' = Specific Discharge of area representative of core sample, inches/day

d = Measure Liner Thickness at core sample location, feet

k = Hydaulic Conductivity of liner based on core sample testing, inches/day

H = Maximum Water Depth, feet

(4) Maximum Allowable Seepage Rate of 1.1 E-06 cm/sec (0.0374 in/day).

ENGINEER: NHM

DATE: June '17

Norman Mullin, P.E. # 66107 Enviro-Ag Engineering, Inc.

TBPE Firm # 2507

TRIAXIAL PERMEABILITY CHAIN of CUSTODY	STRUCTURE	PERM REPORT I.D.	LAB LOG
Okee Dairy Settling Pond #2	SETTLING FOND NE SETTLING POND 54)		9275 4277
X NE Sample  Su Sample  N			
acility Name: O Kee Dairy  roject Engineer:  ampled by: Richal George  ate Sampled: 5-22-17  ate to Lab: 5/26/17 Received: Mich Bohr  VIA VIS	ENGINE 9859 Dub (25	FRING, INC. 5 FM 847 6lin, TX 76446 64) 965-3500 254) 965-8000	F

# Enviro-Ag Engineering, Inc. HYDRAULIC CONDUCTIVITY

3404 Airway Blvd., Amarillo, TX 79118 (806) 353-6123 LABORATORY SERVICES

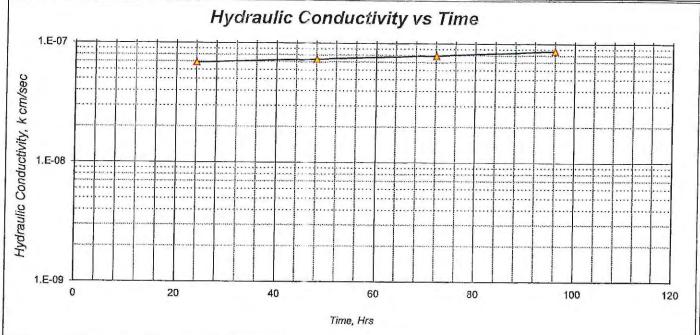


REPORT

ASTM D-5084, Method C Client / Project Name: Lab Sample Number: Okee Dairy 17-05-22 4276 Sample ID: Report Date:

1 Settling Pond NE

June 15, 2017



#### SPECIMEN DATA

SAMPLE ID:	1		
DESCRIPTION:	Settling Pond NE		
	INITIAL	FINAL	
HEIGHT, in.	3.1	3.1	
DIAMETER, in.	2.8	2.9	
WATER CONTENT, %	20.6	23.9	
DRY DENSITY, pcf	105	102	
SATURATION, %	91	99	
(Specific Gravity assumed as 2.7	')		
SAMPLE COLOR	Light Brown		
SAMPLE CONSISTENCY	Clay		

#### COMMENTS:

Tap water used as permeant.

#### TEST DATA

	ASTM D-5084,	Method C
EFFEC	TIVE STRESS:	5 psi
GRADIENT RANGE: IN / OUT RATIO:		3 - 3
		1.00
		HYDRAULIC
TRIAL	TIME	CONDUCTIVITY
nos.	hrs.	cm/sec
1 24.0		6,9E-08
1		
1	48.1	7.4E-08
1 2 3	48.1 72.1	7.4E-08 8.0E-08

AVERAGE LAST 4:

7.7E-08

These results apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering Inc. By accepting the data and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, Inc. from Client and all other parties claims arising out of the use of this data to the cost for the respective test(s) represented here, and Client agrees to indemnify and hold harmless Enviro-Ag from and against all liability in excess of the aforementioned limit, Reviewed By:

Z : Soils Lab\Perms \1917 \ 17-05-22 \ 4276 DCN: EAE-QC-GRAPH (rev. 11/10/04)

Print Date:

06/16/17

Micah Mullin

4276

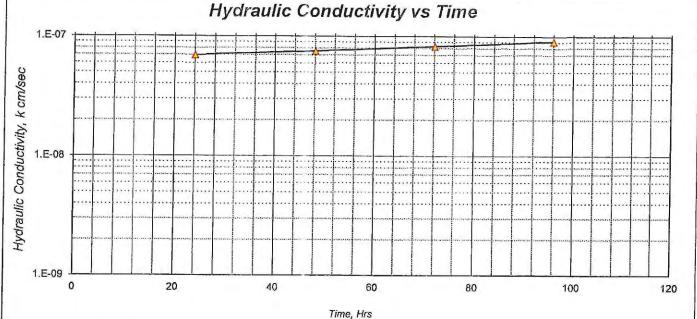
HYDRAULIC CONDUCTIVITY

3404 Airway Blvd., Amarillo, TX 79118 (806) 353-6123

LABORATORY SERVICES



REPORT ASTM D-5084, Method C



## SPECIMEN DATA

SAMPLE ID:	2	
DESCRIPTION:	Settling Pond	sw
	<u>INITIAL</u>	<u>FINAL</u>
HEIGHT, in.	2.8	2.8
DIAMETER, in.	2.8	2.8
WATER CONTENT, %	24.6	28.6
DRY DENSITY, pcf	97	95
SATURATION, %	91	99
(Specific Gravity assumed as 2.7	)	
SAMPLE COLOR	Light Brown	
SAMPLE CONSISTENCY	Clay	

#### COMMENTS:

Tap water used as permeant.

	ASTM D-5084,	Mathad C
		Meniod C
EFFECTIVE STRESS:		5 psi
GRADIE	ENT RANGE:	3 - 4
IN / OUT RATIO:		1.00
		HYDRAULIC
RIAL	TIME	CONDUCTIVITY
nos.	<u>hrs.</u>	cm / sec
1	24.0	7.0E-08
2	48.1	7.6E-08
3	72.1	8.3E-08
4	96.0	9.2E-08
		8.0E-08

These results apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering Inc.

By accepting the data and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, Inc. from Client and all other parties claims arising out of the use of this data to the cost for the respective test(s) represented here, and Client agrees to indemnify and hold harmless Enviro-Ag from and against all flability in excess of the aforementioned limit.

Z : Soils Lab\Perms \1917 \ 17-05-22 \ 4277

Print Date: 06/16/17

Micah Mullin

4277

# 4.0 WASTE UTILIZATION & NUTRIENT MANAGEMENT PLAN

## 4.1 Nutrient Utilization

Agronomic application of dairy wastewater enhances soil productivity and provides the crop and forage growth with needed nutrients for optimum growth and vigor. Land application of wastewater will take place according to a Nutrient Utilization/Nutrient Management Plan (NUP/NMP) in accordance with NRCS Codes 590 and 633. The NUP/NMP for crop year 2025 is attached.

Per 30 TAC §321.42(j), existing dairy facilities located in a major sole-source impairment zone may request the TCEQ to allow the operator to provide manure, litter and wastewater to owners of third-party fields (areas not owned, operated, controlled, rented, or leased by the permittee) that have been identified in the PPP. Okee Dairy requests access to third-party fields to be operated in accordance with 30 TAC §321.42(j)(1)-(4). Third-party written contracts between the permittee and the third-party recipient will be maintained in the PPP. These contracts will confirm that the third party will allow manure, wastewater and slurry from the facility to be beneficially applied at agronomic rates based on the soil test phosphorus in accordance with applicable requirements of 30 TAC §321.36 and §321.40.

A Texas State Soil and Water Conservation Board (TSSWCB) certified Comprehensive Nutrient Management Plan (CNMP) has been developed.

# 4.2 Waste Handling Procedures

The dairy shall operate under the provisions of 30 TAC §321.42, which describes certain waste management and disposal requirements for individual water quality permits for dairy concentrated animal feeding operations (CAFOs) when an operation is located in a major sole-source impairment zone. Waste disposal options include:

- Beneficial use outside the watershed
- Disposed in permitted landfills outside the watershed
- Delivered to a composting facility approved by the Executive Director
- Other beneficial use approved by the Executive Director
- Applied on-site in accordance with a certified NRCS Code 590/633 NMP or NUP, as dictated by annual soil test results
- Provided to third parties as discussed above in Section 4.1

## 2025 Executive Summary Okee Dairy WO0004108000

# LMU Summary:

LMU's 1, 2, 3, 4, 5, and 7 are established in Coastal Bermudagrass overseeded with small grains for continuous nutrient uptake. LMU 6 is cropped in Corn Silage and small grains.

# Nutrient Summary:

The following is a summary of planned and maximum allowed application rates.

LMU #	Max N Lb/ac Application Rates	Max P205 Lb/ac Application Rates	Planned N Lb/ac Application Rates	Planned P Lb/ac Application Rates
1	400	218	400	218
2	47	104	5	10
3	400	218	400	218
4	400	218	400	218
5	186	410	19	41
6	129	285	13	28
7	190	104	190	104

LMU 7 has not been sampled by the TCEQ at the time of this plan's creation. Keeping with worst case scenario, LMU 7 soil analysis has been set to 200ppm for this plan. LMU 7 will need to be sampled prior to land application. LMU 6 was not sampled by TCEQ for the current crop year. This plan will utilize the 2023 soil analysis for that field.

Although this plan illustrates the certain LMUs being utilized for wastewater application, it is not the intent of this document to limit application of wastewater and manure to specified LMUs. It may be necessary to apply to others LMUs in addition to the recommended LMUs. Thus, the maximum allowable nutrient application rates shown above are not to be exceeded during the crop year.

Any remaining manure is to be hauled off by a contract hauler for beneficial use. Offsite manure transfer activities will be in accordance with NRCS and TCEQ requirements for sampling, recordkeeping, and land application.

Supplemental nutrients will be necessary to achieve the desired yields. Commercial N application shall be split such that individual application events do not exceed 100 lbs/ac N.

## Okee Dairy

#### **TCEQ Permit Number:**

WQ0004108000

#### Owner

Oene Keuning 4745 CR 207 Hico, TX 76457 254-796-4991

# Type of Organic Nutrient Management Plan: Other AFO-CAFO Waste Plan

located in Hamilton County

Prepared By:

(Signature)

Stephen Colby
Certified Nutrient Management Specialist

Certificate Number = TX2025004

Expiration Date = December 31, 2025

Enviro-Ag Engineering 9855 FM 847

Dublin, TX 76446

(254) 233-9948

This plan is based on: 590 Organic Nutrient Management Plan V 5.0

6/23/25 8:49 AM

EXECUTIVE SUMMARY:	Permit #:	WQ0004108000
This Nutrient Management Plan has fields that meet I	NMP and/or NUP	requirements.
See Attached Executive Summary		
· ·		

#### LOCATION AND PURPOSE OF THE PLAN

This animal operation is located in Hamilton County (see attached topo map and plan map for location.) The purpose of this plan is to outline the details of the land application of the effluent and solids produced by this operation. When the plan is fully implemented, it should minimize the effects of the land application of animal wastes on the soil, water, air, plant, and animal resources in and around the application area. This plan, when applied, will meet the requirements of the Natural Resources Conservation Service Waste Utilization Standard and Nutrient Management Standard.

The plan is for the year of 2025 and will remain in effect until revision based on new soil or manure analysis or crop change (yield or crop) result in a new P-Index rating or plan classification (NMP-NUP). The waste has been stored in a Dairy Lagoon . Approximately 2000 head will be confined with the average weight of 1400 pounds. The animals will be confined 24 hours per day for 365 days per year.

Page 1 - Printed on: 6/23/25 8:49 AM Plan is based on: 590 Organic Nutrient Manageme

TABLES 1, 2 and 2a Permit #:

Values in Table 1 may be based on actual analysis or "book" values during the initial planning to determine land application rates for the initial plan. When "book" values are used, they will be from NRCS, Texas Cooperative Extension or averages from other TX testing lab sources. Site specific data will be used as soon as feasible after production begins. Manure and/or effluent will be tested at least annually or in the year of application if it is stored for more than one year. If the actual values are more than 10% higher or lower than the estimated values, this plan will need to be revised accordingly.

WQ0004108000

Application of waste products may be made up to the Maximum Rate given in Table 2 or 2a as applicable. Table 2 applies to those that are subject to Nutrient Management Plan (NMP) requirements while Table 2a applies when subject to Nutrient Utilization Plan (NUP) requirements. Current requirements for both the NMP and NUP are given in the headers of the tables. Table 2a has a criteria involving the distance to a named stream when the Soil Test P Level is above 200 ppm in arid areas as well as special requirements when the site is in a TMDL watershed designated by TCEQ. For various P Index Ratings, the maximum rates in Table 2 are based on crop requirements, whereas the maximum rates in Table 2a are based on crop removal rates. County avg. rainfall information can be found in the TX Agronomy Technical Note 15, Phosphorus Assessment Tool for Texas, located in the eFOTG at the address given in the section entitled "Collecting Soil Samples for Analyses".

#### CROP REMOVAL RATES:

Crop Removal Rates of nitrogen (N), phosphorus (P), and potassium (K) in pounds per acre are given in Table 3 for the crop and yield planned for each field. This Table is included for information only, and should be used during the planning process to compare planned or maximum application rates to crop removal. Crop removal rates may be based on actual analysis of harvested material or default values in the database. P build-up will occur at higher rates when crop removal rates are exceeded..

#### SOLIDS APPLICATION:

The maximum solids application rates are given in Table 4 along with the current soil test P level, maximum  $P_2O_5$  application rate, maximum tons per acre of solids and the total tons of solids per field that can be applied to each field. The maximum tons of solids that can be utilized on the fields planned is indicated in the box near the lower left corner of Table 4. When the total application acres of the fields are adequate to allow all of the solids to be applied, "Adequate" will be indicated below the tonnage in this box. If "Not Adequate" is indicated, then the lower box will indicate the tons of solids that must be utilized off-site unless more fields/acres are added. This plan is valid only if the application of waste to the crops listed does not exceed the per acre rates by more than 10%. If the yield of a crop does not meet the expected goal, the application rate should be adjusted the following year.

The estimated amounts of N,  $P_2O_5$ , and  $K_2O$  contained in the solids are provided in Table 5 for the maximum application rate. Supplemental N and  $K_2O$  will be applied to achieve the yield goals in Table 4 when recommended by the soil test and the maximum rate of the solids does not meet the crop needs. When the maximum application rate is applied and Table 5 indicates additional commercial nutrients, they <u>must</u> be applied to fields as indicated. **NOTE:** If additional nitrogen is recommended, the producer should consider collecting soil samples from the 6 - 36 inch layer to see if there is any additional deep nitrogen available. Additional deep nitrogen within the root zone of the crop can be substituted for supplemental commercial nitrogen, and should be included in the soil test N ppm entry.

Page 2 - Printed on: 6/23/25 8:49 AM Plan is based on: 590 Organic Nutrient Manageme

SOLIDS APPLICATION: (cont)

Permit #:

WQ0004108000

In situations where more land is available than is needed to utilize the maximum application rate on each field, the application rates in Table 6 have been reduced to the level that does not exceed the amount of solids produced. Table 7 indicates the amount of nutrients provided and, if needed, the supplemental nutrients which **must** be applied when the application is based on these rates. The amounts of supplemental nutrients in Table 7 are based on the actual amount of waste available rather than the **maximum** rate that "**could**" be applied.

The second line from the bottom of Table 6 on the right has a box that will be "YES" or "NO". When the reduced rates use all solids to be produced in a year, this box will be "Yes". If the percentages are too low, it will be "No". If "No", either more acreage is needed on which to apply the solids or the solids will need to be transported off-site. The amount is located on the bottom line on the extreme right of the page.

Actual application will be based on the quantities produced, as well as, current manure analyses. Application at the MAXIMUM rates shown in Table 4 will result in a more rapid build-up of phosphorus than if applied at lower rates. A different percentage may be used as long as the rate does not exceed the maximum shown in Table 4 for the field and the proper amount of supplemental nutrients are applied. Applying a lower rate to the fields with higher soil test P levels will slow down the P buildup and extend their land application life. Phosphorus will also build up more rapidly on pastureland than on hayland or cropland, since very few nutrients are actually removed by grazing animals.

The solids may be applied to the same acreage every year according to Table 2 or 2a. The annual rates in both Table 4 and 6 may be doubled not to exceed the 2X the annual nitrogen requirement or nitrogen removal rate, as applicable. When the full biennial rate has been used, no additional phosphorus fertilizer or animal wastes may be applied in the alternate year. A column in both tables indicates whether the rates given are Annual Rates (A) or Biennial Rates (B). Rates given are based on Table 2 or 2a as applicable. Annual application rate for fields in a TMDL area with a Soil Test P level equal to or greater than 500 ppm or any field in a TMDL area with P Index Rating of Very High is 0.5 annual crop removal rate.

#### **EFFLUENT APPLICATION:**

The maximum effluent application rates are given in Table 8 for each field. This table provides the current soil test P level, maximum  $P_2O_5$  application rate, effluent either in gallons per acre or acre inches per acre and the amount of effluent that can be applied per field. The maximum amount of effluent that can be utilized on the fields planned is indicated in a box near the lower left corner of Table 8. When the total application acres are adequate to allow all of the effluent to be applied, "Adequate" will be indicated below this box. If "Not Adequate" is indicated, then the lower box will indicate the amount of effluent that must be utilized off-site unless more field acres are added.

The estimated amounts of N, P, and K contained in the effluent are provided in Table 9 for the maximum application rate indicated in Table 8. Supplemental N and  $K_2O$  will be applied to achieve the yield goals when recommended by the soil test and the maximum rates of the effluent do not meet the crop requirements. **NOTE:** If additional nitrogen is recommended, the producer should consider collecting soil samples from the 6 - 36 inch layer to see if there is any additional deep nitrogen available. Additional deep nitrogen within the root zone of the crop can be substituted for supplemental commercial nitrogen.

Page 3 - Printed on:

6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management P

EFFLUENT APPLICATION: (cont)

Permit #:

WQ0004108000

In situations where more land is available than is needed to utilize the maximum application rate on each field, the application rates in Table 10 have been reduced to the level that does not exceed the amount of effluent produced. Table 11 indicates the amount of nutrients provided and, if needed, the supplemental nutrients which **must** be applied when application is made based on the rates in Table 10. These amounts of supplemental nutrients in Table 11 are based on the planned amount of effluent available rather than the **maximum** rate that **"could"** be applied.

The bottom line on the right of Table 10 has a box that will be "YES" or "NO". When the reduced rates uses all effluent to be produced in a year, this box will be "Yes". If the percentages are too low, it will be "No". If "No" is indicated, either more acreage is needed on which to apply the effluent or the effluent will need to be transported offsite.

Actual application will be based on the quantities produced, as well as, current manure analyses. Application at the MAXIMUM rates shown in Table 8 will result in a more rapid build-up of phosphorus than if applied at lower rates. A different percentage may be used as long as the rate does not exceed the maximum shown in Table 8 for the field and the proper amount of supplemental nutrients are applied. Applying a lower rate to fields with higher soil test P levels will slow down the P buildup and extend their land application life. Phosphorus will also build up more rapidly on pastureland than on hayland or cropland, since very few nutrients are actually removed by grazing animals.

The effluent may be applied to the same acreage every year according to Table 2 or 2a. The annual rates in both Table 8 and 10 may be doubled not to exceed the 2X the annual nitrogen requirement or nitrogen removal rate, as applicable, when the full biennial rate has been used, no additional phosphorus fertilizer or animal wastes may be applied in the alternate year. A column in both tables indicates whether the rates given are Annual Rates (A) or Biennial Rates (B). Rates given are based on Table 2 or 2a as applicable. Annual application rate for fields in a TMDL area with a Soil Test P level equal to or greater than 500 ppm or any field in a TMDL area with P Index Rating of Very High is 0.5 annual crop removal rate.

Maximum Hourly Application Rate - The maximum hourly application rate is determined by the texture of the soil layer with the lowest permeability within the upper 24 inches of the of the predominant soil in each field. The hourly application rate must be low enough to avoid runoff and/or ponding. For effluent with 0.5% solids or less, **DO NOT** exceed the rates shown in Table 1 of the attached Job Sheet titled, "Waste Utilization, Determining Effluent Application Rates". If the effluent contains more than 0.5% solids, those values must be reduced by the appropriate amount shown in Table 2 of the attached "Waste Utilization, Determining Effluent Application Rates" Job Sheet.

Maximum One-Time Application Rate - The maximum amount of effluent that can be applied to a given field at any one-time is the amount that will bring the top 24 inches of the soil to 100% field capacity. This amount is determined by subtracting the amount of water stored in the soil (estimated by feel and appearance method) from the available water holding capacity (AWC) of the soil. The available water holding capacity of the top 24 inches of the predominant soil of each field receiving effluent and the texture of the most restrictive layer in the upper 24 inches are given in Table 12.

6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management P

EFFLUENT APPLICATION: (cont)

Permit #:

WQ0004108000

To determine any one-time application amount, the current percent of field capacity (FC) of the upper 24 inches of the predominant soil in the field should be estimated using the guidance in Table 3 of the attached Job Sheet, "Waste Utilization, Determining Effluent Application Rates, rev 4/06". Additional information on estimating soil moisture can be found in the NRCS Program Aid 1619, "Estimating Soil Moisture by Feel and Appearance", or from the University of Nebraska Extension publication No. G84-690-A by the same name. Both of these publications have pictures of various soils at different percentages of field capacity to be used as a guide to estimating soil moisture. Once the current percent of FC is estimated, it is subtracted from the AWC amount in Table 12 for the given field and the difference is the maximum application for those soil conditions on that day. Remember, the maximum hourly application and the maximum one time application rates are only estimates to be used as a guide.

Solids/Effluent Land Application: - Land application of solids and/or effluent should be made at appropriate times to meet crop needs, but can be made at any time as long as the total annual (or biennial) rate, maximum hourly rate, and the maximum one time application rates are not exceeded. Effluent should be surface applied uniformly. No runoff or ponding should occur during application thus frequent observations should be made. Neither effluent or solids will be applied to slopes >8% with a runoff curve >80, or steeper than 16% slope with a runoff curve of 70 or greater, unless the application is part of an erosion control plan. Waste will not be spread at night, during rainfall events, or on frozen or saturated soils if a potential risk for runoff exists. Waste will not be applied to frequently flooded soils during months when the soils typically flood. If frequently flooded soil occur on any potential application field see attached, "Water Features Table", for months when flooding is expected. Solids should be applied with a manure spreader as uniformly as feasible. Surface applications with trucks should only be made when soil conditions are favorable in order to minimize soil compaction.

#### Managing Runoff-

A minimum 100 ft. setback or vegetated buffer (Filter Strip, Field Border, Riparian Forested Buffer, etc.) will be established and maintained between the application area and all surface water bodies, sink holes, and watercourses as designated on Soil Survey sheets or USGS topographic maps. A minimum application distance from private and public will be 150 ft. and 500 ft. respectively. A minimum application distance from water wells used exclusively for agricultural irrigation will be 100 ft. Table 9 provides a summary of the setbacks and out areas of each field.

#### Managing Leaching -

When soils with sandy, loamy sand, or gravelly surface textures have a Nitrogen Leaching Index score of >2 appropriate measures will be used to minimize the potential of leaching. These measures will include, split applications of waste, and may include double cropping, or cover crops, and irrigation water management (on fields that receive supplemental or full irrigation).

#### MORTALITY MANAGEMENT:

All mortality will be disposed of properly within 3 days according to the Texas Commission on Environmental Quality (TCEQ) rules. The preferred method for disposal of routine mortality is by a rendering plant. Before planning this method, contact the facility or its representative to be informed of special handling procedures, equipment needs, scheduling requirements, etc. Maintain a list of contact phone numbers so information will be readily available following a catastrophic die-off. Verify that local companies which have previously picked up and/or rendered dead animals are still doing so. A number of rendering companies across the state have stopped dead animal pick up service, and others have raised their fees significantly. Periodically review the availability and cost of rendering so that the plan can be modified if necessary. This can be an excellent option if mortality can be loaded and transported while still fresh or the mortality can be refrigerated until loaded and transported.

Page 5 - Printed on:

6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management Pl

MORTALITY MANAGEMENT: (cont)

Permit #:

WQ0004108000

Disposal in a landfill may be an option in some locations. Before planning this option, the closest commercial, regional, county, or municipal landfill should be contacted to determine if the landfill has a permit which would allow acceptance of dead animals (swine, sheep, cattle, etc.). Also ask if there are any restrictions on type and volume of animal mortality that will be accepted at the facility. Landfill fees and transport, offloading, and handling procedures should be discussed with landfill managers and documented for reference when needed. The landfill is not a viable option if the producer does not own or have access to a vehicle capable of transporting mortality quickly in an emergency situation. After a catastrophic die-off is not a good time to find out that a driver and truck to transport mortality will not be available for several weeks (MAKE ARRANGEMENTS NOW, NOT AFTER THE ANIMALS ARE DEAD).

On-farm disposal of catastrophic mortality may be considered if site conditions permit. On-farm methods include burial, composting, and incineration. Incinerators and composters are excellent options for routine mortality but usually do not have the capacity to handle mortality volumes associated with catastrophic events. Composting and incineration should not be relied on for catastrophic mortality handling without a documented evaluation of worst anticipated mortality condition (number, type, and weight of animals), and the anticipated capacity of the system (i.e., lb./hr. incineration rate, hrs/day of operation). NRCS Mortality Facility Standard 316 will be used for all mortality management.

See the attached soil interpretation, ENG - Animal Mortality Disposal (Catastrophic) Trench, to make a preliminary assessment of the limitations of the soils on this farm for burial of catastrophic mortality. The attached TX NRCS Technical Guidance, Catastrophic Animal Mortality Management (Burial Method) should be used as a guide to overcome minor limitations and as design criteria for the construction of burial pits for catastrophic mortality. Mortality burial sites shall be located outside the 100 -year floodplain. Mortality burial will not be less than 200 feet from a well, spring, or water course. A FIELD INVESTIGATION BY A QUALIFIED PROFESSIONAL SHOULD BE MADE BEFORE AN AREA IS USED FOR A BURIAL SITE FOR CATASTROPHIC MORTALITY EVENTS. The TCEQ Industrial and Hazardous Waste Permits Section, MC-130, must be contacted before burial of catastrophic mortality.

TCEQ Industrial and Hazardous Waste Permits Section, MC-130 PO Box 13087 Austin, TX 78711-3087 Phone: 512-239-2334 Fax: 512-239-6383

#### Air Quality:

The following steps should be taken when spreading effluent or solids to reduce problems associated with odor.

- 1. Avoid spreading effluent or solids when wind will blow odors toward populated areas.
- 2. Avoid spreading effluent or solids immediately before weekends or holidays, if people are likely to be engaged in nearby outdoor activities.
- 3. Avoid spreading effluent or solids near heavily traveled highways.
- 4. Make applications in the morning when the air is warming, rather than in the late afternoon.
- 5. All materials will be handled in a manner to minimize the generation of particulate matter, odors, and greenhouse gas emissions.

Page 6 - Printed on:

6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management Pl

#### EFFLUENT AND SOLIDS STORAGE & TESTING:

Permit #:

WQ0004108000

Effluent and solids will be stored in facilities designed, constructed, and maintained according to USDA NRCS Standards and specifications.

Effluent and solids sampling is needed to get a better idea of the nutrients actually being applied. Effluent and/or solids samples will be collected at least annually, or in the year of its use if waste is typically stored for more than 1 year. The samples will be submitted immediately to a lab for testing. If sent to Texas A&M soil lab or SFASU Soil Testing Lab for analysis, use the "plant and forage analysis" form and note the type of operation. Request that the manure be analyzed for percent dry matter, solids, total nitrogen, total phosphorus, and total potassium. Further information on collecting effluent and manure samples for analysis can be found in the TCE publication No. L-5175, "Managing Crop Nutrients Through Soil, Manure and Effluent Testing". TCEQ sampling rules and testing requirements will be followed on permitted sites.

#### COLLECTING SOIL SAMPLES FOR ANALYSIS:

Collect a composite sample for each field (or area of similar soils and management not more than 40 acres in size) comprised of 10 - 15 randomly selected cores. Each core should represent 0 - 6 inches below the surface except for when injection has been done over 6" in depth, then the core should represent the 3-9" layer. Thoroughly mix each set of core samples, and select about a pint of the mixture as the sample for analysis. Label each sample for the field that it represents. Request that the samples be analyzed for nitrate nitrogen, plant-available phosphorus, potassium, sodium, magnesium, calcium, sulfur, boron, conductivity; and pH. Also note on the samples that they are from an effluent or solids application area. TCEQ sampling rules and testing requirements will be followed on permitted sites. A weighted average of 0-2 and 2-6 inch layers will be used for calculations on permitted sites.

Further information on collecting soil samples can be found on the TCE Form D-494, p 2, TCE Publication No. L-1793, and TCEQ RG-408. Additional NRCS guidance and requirements can be found in the Nutrient Management (590) standard located in the Texas electronic Field Office Technical Guide (eFOTG) at:

http://efotg.nrcs.usda.gov/efotg locator.aspx?map=TX

Click the county desired.

Click Section IV in the left column under eFOTG

Type: 590 in the Search Menu above eFOTG and click: GO

Click on the desired item under Nutrient Management in the left column

#### SOIL ANALYSIS:

A soil analysis will be completed for all areas to be used for all effluent or solids application areas. The soil test analysis method will be Mehlich III with inductively coupled plasma (ICP). The area will be tested and analyzed at least annually to monitor P build up.

Page 7 - Printed on:

6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management I

RECORD KEEPING:

Permit #:

WQ0004108000

Detailed records should be maintained by the producer for all application of animal waste to land owned and operated by the producer. Records should include date, time, location, amount of application, weather conditions, estimated wind speed and direction, etc. A rain gauge should be in place at the application site and accurate records of rainfall should be maintained at the site. All records must be kept for at least 5 years. TCEQ requirements will be followed on permitted sites.

Records should also be kept showing amounts of litter given or sold to others. A copy of the effluent analysis and/or solids analysis and a Waste Utilization Guidelines Sheet should be given to anyone who will use either the effluent or solids off-site. If they routinely use animal wastes for fertilizer, they should be directed to the local Soil and Water Conservation District or NRCS office to develop a Waste Utilization and Nutrient Management Plan for their land.

This portion may be completed by producer, if desired or recorded elsewhere.

Date	Amount	Hauler or Recipient
14		
	338 2 8	
	-	
-		
	4	

Page 8 - Printed on:

6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management F

**OPERATION AND MAINTENANCE:** 

Permit #:

WQ0004108000

Application equipment should be maintained in good working order and it should be calibrated annually so that the desired rate and amount of effluent and solids will be applied.

Information on calibrating manure spreaders can be found in the TCE publication No. L-5175, "Managing Crop Nutrients Through Soil, Manure and Effluent Testing". Information on calibrating big gun sprinklers can be found in the Arkansas Extension publication, "Calibrating Stationary Big Gun Sprinklers for Manure Application". For information on calibrating tank spreaders, traveling guns, and additional information on other manure spreading equipment, see Nebraska Extension publication No. G95-1267-A, "Manure Applicator Calibration". Observe and follow manufacturer's recommended maintenance schedules for all equipment and facilities involved in the waste management system. For information on lagoon functions, refer to TCE publication E9, "Proper Lagoon Management".

Any changes in this system should be discussed with the local Soil and Water Conservation District, USDA Natural Resources Conservation Service, or other qualified professional prior to their implementation.

Plan Prepared by:	Stephen Colby	Date:	6/23/2025	
Plan Approved by:	Marin	Date:	6/23/25	
Producer Signature:	Discussed with Producer	Date:	6/25/25	

The producer's signature indicates that this plan has been discussed with him/her. If this plan is not signed by the producer, indicate how the plan was provided to the producer.

Page 9 - Printed on:

6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management Pl

Table 1 - Estimated Effluent and Solids Quantities Produced

Permit #:

WQ0004108000

Avg. Number of Animals

2,000

Type of Waste

Dairy Lagoon
Other Solids

Contact the local Soil and Water Conservation District or USDA Natural Resources Conservation Service office if the total number of animals change by more than 10% so your plan can be revised.

Estimated Acre Inches of Effluent to be Available Annually\* 394

Estimated Tons Solids to be Land Applied Annually (on or off site)\* 404,937.5

\*From engineering design,

Estimated Nutrient Availabilty		<b>Estimated Nutrient Availabilty</b>						
Effluent					Solids			
	pounds/yr	Pounds / 1000 gal	Pounds / Acre Inch			pounds / yr	pouuds / ton	
N	929	0.09	2.4	**	N	680,243	1.7	**
P2O5	2,045	0.19	5.2		P2O5	370,923	0.9	
K2O	3,215	0.30	8.2		K2O	1,000,928	2.5	
*	* Effluent Values	Based on An	alysis		** Solids	Values Based	on Analysi	s
date	ed: O	ctober 29, 202	24		date	d: June 5	5, 2024	

Default values were used on all fields for plant removal of nutrients and yield levels.

TABLE 2. A Nutrient Management Plan (NMP) is required where Soil Test P Level 1/2 is:

- · less than 200 ppm statewide or
- or < 350 ppm in arid areas 2/ with a named stream > one mile.

P Index Rating	Maximum TMDL Annual P Application Rate <sup>5/</sup>	Maximum Annual P Application	Maximum Biennial Application Rate
Very Low, Low	Annual Nitrogen (N) Requirement	Annual Nitrogen (N) Requirement	2.0 Times Annual N Requirement
Medium	2.0 Times Annual Crop P Requirement 3/	2.0 Times Annual Crop P Requirement 3/	2.0 Times Annual N Requirement
High <sup>5</sup>	1.5 Times Annual Crop P Requirement 3/	1.5 Times Annual Crop P Requirement <sup>3/</sup>	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Requirement
Very High <sup>5</sup>	1.0 Times Annual Crop P Requirement 3/	1.0 Times Annual Crop P Requirement <sup>3/</sup>	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Requirement

# TABLE 2a. A Nutrient Utilization Plan (NUP) is required by TCEQ where Soil Test P Level 11 is:

- equal to or greater than 200 ppm in non-arid areas <sup>2l</sup> or
- equal to or greater than 350 ppm in arid areas <sup>2l</sup> with a named stream greater than one mile or
- equal to or greater than 200 ppm in arid areas 21 with a named stream less than one mile.

P – Index Rating	Maximum TMDL Annual P Application Rate 5/	Maximum Annual P Application	Maximum Biennial Application Rate
Very Low, Low	1.0 Times Annual Crop P Removal 4/	Annual N Crop Removal	2.0 Times Annual N Removal
Medium	1.0 Times Annual Crop P Removal <sup>4/</sup>	1.5 Times Annual Crop P Removal 4/	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Crop Removal
High <sup>5</sup>	1.0 Times Annual Crop P Removal <sup>4/</sup>	1.0 Times Annual Crop P Removal <sup>4/</sup>	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Crop Removal
Very High <sup>5</sup>	0.5 Times Annual Crop P Removal <sup>4/</sup>	0.5 Times Annual Crop P Removal 4/	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Crop Removal

#### Footnotes Applicable to both Tables

- 1/ Soil test P will be Mehlich III by inductively coupled plasma (ICP).
- 2/ Non-arid areas, counties receiving => 25 inches annual rainfall, will use the 200 ppm P level while arid areas, counties receiving < 25 inches of annual rainfall, will use the 350 ppm P level. See map in TX Agronomy Technical Note 15, Phosphorus Assessment Tool for Texas, for county designations.</p>
- 3/ Not to exceed the annual nitrogen requirement rate.
- 4/ Not to exceed the annual nitrogen removal rate.
- 5/ When soil test phosphorus levels are ≥ 500 ppm, with a P-Index rating of "High" or "Very High", there will be no additional application of phosphorus to a CMU or field.

Page 11

Printed on: 6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management Plan V 5.0

### PI Index by Field

Client I	d On: 6/23/25 8:47 AM Name: Okee Dairy anner: Stephen Colby	This p	lan is	base	d on:	lutriei	nt Man	ngemei	nt Plan	V 5.0		Permit #; Date: Location: Rainfall:	WQ0004103 6/23/2025 Hamilton >25.0 inches	8000 - -
LMU or I	Fields Crop	Slope	Runoff Curve	Soil Test P Level	Inorganic P <sub>2</sub> O <sub>5</sub> Appl	Organic P <sub>2</sub> O <sub>5</sub> Appl Rate	Inorganic Method & Timing	Organic Method & Timing	Proximity of Appl to Named Stream	Runoff Class	Soil Erosion	Total Index Points	P Runoff Potential	Soil Test Date:
1	Coastal GC (30%DM) 9-11T; SG GC 6-7T	3.5%	78	8	0	6	0	4	10	2	0	30	High	10/16/24
2	Coastal GC (30%DM) 9-11T; SG GC 6-7T	2.0%	78	8	0	6	0	0.5	0	2	0	16.5	Medium	10/16/24
3	Coastal GC (30%DM) 9-11T; SG GC 6-7T	2.0%	71	8	0	6	0	4	5	2	0	25	High	10/16/24
4	Coastal GC (30%DM) 9-11T; SG GC 6-7T	1.5%	78	8	0	6	0	4	5	2	0	25	High	10/16/24
			70	0	0	6	0	0.5	5	2	0	21.5	Medium	10/10/04
	Coastal GC (30%DM) 9-11T; SG GC 6-7T	3.1%	78	8	U	O	U	0.0	9	-	0	21.0	Mediani	10/16/24
5 6	Coastal GC (30%DM) 9-11T; SG GC 6-7T Silage - Corn16-20T;SG GreenChop-8-9T	3.1% 3.5%	89	8	0	6	0	0.5	5	2	1.5	23	High	10/16/24

		Waste Utilization and Nut				Permit #:	W00004100
able 3 -	Crop R	Removal Rates (For Information Only)					
			TCEQ	Actual Crop Analysis or Default	Total Est. N	Total Est. P <sub>2</sub> O <sub>5</sub>	Total Est. K <sub>2</sub> O
LMU or			Plan	ual ( ulysi: ault	Removal	Removal	Removal
ield No.	Acres	Crop and P Index Level	Туре	Act Ana Def	lbs/Ac/Yr	lbs/Ac/Yr	lbs/Ac/Yr
1	51.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	NMP	Default	330	104	190
2	26.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T M	NUP	Default	330	104	190
3	45.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	NMP	Default	330	104	190
4	155.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	NMP	Default	330	104	190
5	53.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T M	NMP	Default	330	104	190
6	100.0	Silage - Corn16-20T;SG GreenChop-8-9T H	NMP	Default	387	148	226
7	33.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	NUP	Default	330	104	190
			100				
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		r.					
		1					1

NOTE: When crops are used for grazing, only a portion of the nutrients used by the crop are removed from the field in the live weight gain of the livestock, the remainder is returned to the land in manure and urine. The book "Southern Forages" estimates the N, P, & K removed in 100 pounds live weight gain as follows: 2.5 lbs N, 0.68 lbs P, 0.15 lbs K

Printed: 6/23/25 8:49 AM Page 12

Plan is based on: 590 Organic Nutrient Management Plan

Table 4 - Maximum Solids Application per Field

Permit #:

WQ0004108000

Est. Solids Produced Annually (wet tons)	LMU or Field No.	Acres	Crop Management and PI runoff potential	Current Soil Test P Level (ppm)	Max Annual P2O5 lbs/acre	Annual/Biennial	Maximum Solids Allowable Tons/Acre	Maximum Allowable Application Per field (Tons)
404,938	1	51.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	86	218	A	238.1	12144
101,200	2							
	3	45.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	76	218	Α	238.1	10715
	4	155.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	85	218	A	238.1	36908
	5							1
	6							
	7	33.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	200	104	A	113.3	3739
Total Solids Application Acres 284								
Application								
Allowable	1							
on-site								
(tons)		1 1 1						
63505.4								
Not								
Adequate	1							
Solids to be				1				
sed off-							1	
site (tons)								
341,432.1				1		_		

Table 5 - Nutrients Applied/Needs at Maximum Solids Rates

Permit #:

WQ0004108000

	Nutrients Ap	oplied When Ap Maximum Rate	plication is at	Supplementa	al Nutrients Nee Maximu	eded When Ap m Rates	plication is at
LMU / Field #	N Lb/ac	P <sub>2</sub> O <sub>5</sub> Lb/ac	K <sub>2</sub> O Lb/ac	N Lb/ac	P <sub>2</sub> O <sub>5</sub> Lb/ac	K <sub>2</sub> O Lb/ac	Lime T/Ac
1	400	218	589	0	0	0	0
2						,	
3	400	218	589	0	0	0	0
4	400	218	589	0	0	0	0
5							
6		N					
7	190	104	280	0	0	0	0
i							

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**Table 6 - Planned Solids Application Rates** 

LMU or Field   S   Acres   Crop Management and PI runoff potential   Solid Test   S   S   S   S   S   S   S   S   S	Tubic 0	1		ondo Application Rates		_		Tornit ii.	4000	7100000
LIMLIO Field		rop						0/ 0		Planned
Signature   Signature   Coastal GC (30%DM) 9-11T: SG GC 6-7T H   86		le ci			Current	nal/	Max			
St.	LMU or Field	qno	Agrae	Crop Management and Pl runoff notantial	Soil Test	ien	Kate			
Acres   284.0										
Acres   284.0   Coastal GC (30%DM) 9-11T. SG GC 6-7T H   76   A   238.1   100   238.1   10715.   35.0   Coastal GC (30%DM) 9-11T. SG GC 6-7T H   85   A   238.1   100   238.1   36907.   33.0   Coastal GC (30%DM) 9-11T. SG GC 6-7T H   200   A   113.3   100   113.3   3738.5			51.0	Coastal GC (30%DM) 9-111: SG GC 6-71 H	86	A	238.1	100	238.1	12143.8
Acres   284.0	2									
Acres   284.0	3		45.0	Coastal GC (30%DM) 9-11T: SG GC 6-7T H	76	Α	238.1	100	238.1	10715.1
Acres   284.0	4		155.0	Coastal GC (30%DM) 9-11T: SG GC 6-7T H	85	A	238.1	100	238.1	36907.6
Acres 284.0  Acres 284.0  Tons of wet solids produced Annually  Will the planned per acre application rates use all of the Solids?  Will the Planned per acre application rates use all of the Solids?  63595.4  NO	5		100					1 2 2 2 2 2		
Acres 284.0				•	4 4					
Acros 284.0  Acros 1284.0  Tons of wet solids produced Annually Will the planned per acre application rates use all of the Solids?  October 1284.0  Will the planned per acre application rates use all of the Solids?  NO	7		22.0	Coastal CC (20%/DM) 0 11T; SC CC 6 7T U	200		1122	100	112.2	2520.0
404938 Tons of wet solids produced Annually use all of the Solids? NO	,		33.0	Coastal GC (30%DM) 9-111. SG GC 6-71 H	200	A	113.3	100	113.3	3738.9
404938 Tons of wet solids produced Annually use all of the Solids? NO										
404938 Tons of wet solids produced Annually use all of the Solids? NO										
404938 Tons of wet solids produced Annually use all of the Solids? NO										
404938 Tons of wet solids produced Annually use all of the Solids? NO								4		
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404938 Tons of wet solids produced Annually use all of the Solids? NO	Acres	+	284.0	X 1 180	Will the r	lanne	d ner a	cre applica	tion rates	63505.4
	40493			Tons of wet solids produced Annually	will the b				illon fates	
Tons to be used off-site at Max. rates Tons to be used off-site at planned rates 341432	0		-	Tons to be used off-site at Max. rates	Tarret		7.0	77 100 200 100 100 100	and ust ==	341432

Permit #:

WQ0004108000

Table 7 - Nutrients Applied/Needed at Planned Solids Rates

Permit #:

WQ0004108000

Red cells? Proceed to adjustment page and fix.

	Nutrients	Applied at Plani	ned Rates	Supplemen	ntal Nutrients Ne	eded at Planne	ned Rates		
LMU / Field #	N Lb/ac	P <sub>2</sub> O <sub>5</sub> Lb/ac	K₂O Lb/ac	N Lb/ac	P <sub>2</sub> O <sub>5</sub> Lb/ac	K <sub>2</sub> O Lb/ac	Lime T/Ac		
1	400	218	589	0	0	0	0		
2									
3	400	218	589	0	0	0	0		
4	400	218	589	0	0	0	0		
5									
6									
7	190	104	280	0	0	0	0		
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							1		

Table 8 - Maximum Effluent Application Per Field

Permit #:

WQ0004108000

Est. Available Effluent (ac inches)	LMU or Field No.	Acres	Oouble crop	Crop Management and PI runoff potential	Current Soil Test P Level (ppm)	Max Annual P <sub>2</sub> O <sub>5</sub> (lbs/acre)	Annual/Biennial	Maximum Effluent Allowable (ac in/ac)	Maximum Effluent Allowable / Field (ac in)
394	1	7.0.00							
Source:	2 3	26.0		Coastal GC (30%DM) 9-11T; SG GC 6-7T M	269	104	A	20.0	520
Dairy Lagoon	5	53.0		Coastal GC (30%DM) 9-11T; SG GC 6-7T M	72	410	A	79.0	4187
	6 7	100.0		Silage - Corn16-20T;SG GreenChop-8-9T H	149	285	A	54.9	5490
Total Effluent Application Acres 179									
Maximum Effluent Application Allowable On-Site (ac in)									
Adequate									
Effluent to be used Off-Site (ac in)									

Table 9 - Nutrients Applied/Needed at Maximum Effluent Rates

Permit #:

WQ0004108000

	Nutrients Ap	pplied When Ap Maximum Rate	plication is at	Supplement	al Nutrients Nee Maximu	eded When Ap m Rates	
LMU / Field #	N Lb/ac	P <sub>2</sub> O <sub>5</sub> Lb/ac	K <sub>2</sub> O Lb/ac	N Lb/ac	P <sub>2</sub> O <sub>5</sub> Lb/ac	K₂O Lb/ac	Lime T/Ac
1							
2	47	104	163	335	0	0	0
3							
4				10 7.5		0	
5	186	410	645	205	0	0	0
6	129	285	448	365	0	0	0
7							
				-			
		0 (					

Permit #:

WQ0004108000

Table 10 - Planned Effluent Application Rates

Printed: 6/23/25 8:49 AM

page 19

		ned Effluent Application Rates			Permit #:		W Q0004108	
				Annual / Biennial	Maximum Effluent (ac in/ac)	% of Maximum to apply	Planned Effluent (ac in/ac)	Planned Effluent / field (Ac. In)
710103	-							
26.0		Coastal GC (30%DM) 9-11T; SG GC 6-7T M	269	Α	20	10.0	2.0	52
					1 6 3			
53.0								419
100.0		Silage - Corn16-20T:SG GreenChop-8-9T H	149	Α	54.9	10.0	5.5	549
								1000
179.0				Will	the planne use all of			1020 YES
	26.0 53.0 100.0	26.0   53.0   100.0	Acres 26.0 Coastal GC (30%DM) 9-11T; SG GC 6-7T M  53.0 Coastal GC (30%DM) 9-11T; SG GC 6-7T M Silage - Corn16-20T; SG GreenChop-8-9T H	Acres 2 Crop Management and PI runoff potential Soil Test P ppm  26.0 Coastal GC (30%DM) 9-11T; SG GC 6-7T M 269  53.0 Coastal GC (30%DM) 9-11T; SG GC 6-7T M 72 1149  149	Acres   26.0	Acres   2	Acres	Planned   Plan

Table 11 - Nutrients Applied/Needed at the Planned Effluent Rates

Permit #:

WQ0004108000

Red cells? Proceed to adjustment page and fix.

	Nutrients	Applied at Plan	nned Rates	Supplemen	Supplemental Nutrients Needed at P					
LMU / Field #	N Lb/ac	P <sub>2</sub> O <sub>5</sub> Lb/ac	K <sub>2</sub> O Lb/ac	N Lb/ac	P <sub>2</sub> O <sub>5</sub> Lb/ac	K₂O Lb/ac	Lime T/Ac			
1										
2	5	10	16	375	0	0	0			
3				1						
4										
5	19	41	64	375	35	0	0			
6	13	28	45	480	0	0	0			
7										
7				1						
				1						
					5					
				4						
							1			
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Table 12 - Available Water Capacity to 24 inches(or less) of predominant Permit #: soil in fields receiving effluent and Texture of the most restrictive soil layer in the upper 24 inches

mit #: WQ0004108000

	LMU / Field #	AWC (inches)	Restrictive Texture	LMU / Field #	AWC (inches)	Restrictive Texture
	1					
	2	1.72	Brackett Maloterre			
	3					
L	4					1
	5	1.72	Brackett Maloterre			
	6	1.72	Brackett Maloterre	4		
1	7					
						1
	4					
1						
ı	1					
	1					
	1					
				1		
1						
ı						
				4		
1			1			
				1		1
				1		
				1		
1						0.03
			18			
				1		
	1					
				1		
			( )			
						m 17
					4	

Table 13 - Non Application Areas by Field

Permit #:

WQ0004108000

FS = 393-Filter Strip; FB = 386-Field Border, RFB = 391-Riparian Forest Buffer; OLEA = Other Land Excluded Ar

	FS	FB	RFB	OLEA	Total		FS	FB	RFB	OLEA	Total
LMU / Field #	Acres	Acres	Acres	Acres	Excluded	LMU / Field #	Acres	Acres	Acres	Acres	Exclude
1	0.0	0.0	710100	1.0100		T ICIG III					
2	0.0	0.0									
3	0.0	0.0									
4	0.0	0.0			N.						
5	0.0	0.0									
6	0.0	0.0									
7	0.0	0.0									
7	0.0	0.0									
1											
1-3					1						
					- 8						
1											
					- 4						
_											
1						11/					
Sac Ann	ligation	Man for	location o	f buffers		Totals	0.0	0.0	0.0	0.0	0

See Application Map for location of buffers Total 590-633 application acres: 463.0

Total 590-633 Field Acres:

463.0

### Waste Utilization and Nutrient Management Data Entries

**General Data** 

Date: 6/23/2025 Farmer Name: Okee Dairy

County in which the Land is located : Hamilton

Yes or No:

Type of Waste Plan: Other AFO-CAFO Waste Plan

Is this plan in a TMDL watershed for nutrients?

Yes or No: Yes

Is any field PERMITTED by TCEQ?

Yes

Permit #: WQ0004108000

All other entries on General Page appear on the Cover Page

Animal Information

Plan Year: 2025

Are you receiving waste from another producer? No

Number of animals: 2000 Approximate Weight: 1400

Days per year in confinement: 365
Hours per day confined: 24

ACRE FEET of effluent to be irrigated\*: 32.84

Estimated annual gallons of effluent to be

irrigated/applied annually: 10700848.32

For effluent, do you want application rates shown

in gallons or acre inches?: acre inches

Estimated Tons Solids to be Land Applied

Annually (on or off site)\*: 6479

Is this the first Year of the AFO-CAFO Operation?

No

**Analysis Information** 

Effluent Information

Date of Analysis: 10/29/2024
Manure Source: Dairy Lagoon

Nitrogen % From Analysis: 0.0013
Phosphorus % From Analysis: 0.001
Potassium % From Analysis: 0.003
Moisture % From Analysis: 99.9

Manure / Solids Information

Explain Other:

Slurry

Date of Analysis: 6/5/2024

Manure Source: Other Solids

Nitrogen % From Analysis: 6.562
Phosphorus % From Analysis: 1.25
Potassium % From Analysis: 6.437

otassium % From Analysis: 6.437
Moisture % From Analysis: 98.4

What will be Applied to Fields on this Farm? Both Effluent and Solids

Is this Farm part of an AFO-CAFO?

This plan is based on: rganic Nutrient Management Plan

Printed on: 6

6/23/25 8:49 AM

#### Field and Buffer Entries

Permit #:

WQ0004108000

Printed on: 6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management Plan

FS = 393-Filter Strip, FB = 386-Field Border, RFB = 391-Riparian Forest Buffer, OLEA = Other Land Exclusion Areas or non-application areas (i.e. headquarters, freq. flooded areas, wooded areas, water bodies, etc) NOTE: Field Border (FB) is expressed in ACRES on this spreadsheet, but as LINEAR FEET on the CPO.

Total Total Actual Field LMU or Field Buffer Application No. Acres FS FB RFB **OLEA** Acres Acres This Column Intentionally Left Blank 1 51 0.0 51.0 2 26 0.0 26.0 3 45 0.0 45.0 4 155 0.0 155.0 5 53 0.0 53.0 100 6 0.0 100.0 7 33 0.0 33.0

## Soil Test, Crop Information and Plant Analysis Data Entries

Soil Test Analysis		Soil Test Analysis				si.	Plant Analysis & Yield (optional) Use Only When Crop Removal is Required						
N (ppm)	P (ppm)	K (ppm)	Lime (enter amt or leave blank)	This column only for Dry Poultry	LMU or Field#	Appl. Area Acres	Crop/Land-Use and P Index Runoff Potential VL - L; M; H; or VH	E = Effluent S = Solids	Filant Analysis (Y / N)	% N	% P	% K	Yield Air Dry Production (lbs/ac/yr)
11.864	85.8	308			1	51.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	S	N				
9.178	269	432			2	26.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T M	E	N				
8.794	76.1	165			3	45.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	S	N				
6.318	85.4	216			4	155.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	S	N				
3.762	71.5	264			5	53.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T M	E	N				
2.615	149	605			6	100.0	Silage - Corn16-20T;SG GreenChop-8-9T H	E	N				
200	200	200			7	33.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T H	S	N				

## **Solids Application Rate Entries**

404938 "Wet tons" of solids produced Annually		Will the planned rates use all of th							
			Tons to be used off-site at plant						
MU or ield No.	Acres	Crop Management and PI runoff potential	Current Soil Test P ppm	Crop P <sub>2</sub> O <sub>5</sub> Req.	Annual or Biennial Application Cycle	Maximum Solids Allowable Tons/Ac	Enter % o Maximum Planned to Apply		
1		Coastal GC (30%DM) 9-11T; SG GC 6-7T H	86	205	Annual	238.1	100.0		
2						220.1	100.0		
3		Coastal GC (30%DM) 9-11T; SG GC 6-7T H Coastal GC (30%DM) 9-11T; SG GC 6-7T H	76 85	205 205	Annual Annual	238.1 238.1	100.0		
5	155.0	Coastal GC (30%DM) 9-111; SG GC 0-71 H	0.5	203	Ailluai	250.1	100.0		
6									
7	33.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T II	200	205	Annual	113.3	100.0		
			1						

Printed on: 6/23/25 8:49 AM Plan is based on: 590 Organi

## **Effluent Application Rate Entries**

Effluent - Set the Planned Application Rates

Permit #:

WQ0004108000

10700848 Gallons of Effluent to be used annually Will the planned rates use all of the effluent				Will the p	lanned rate	es use all of	the emberit	Yes
394	Acre inches of Effluent to be used annually							
Acres	Crop Management and PI runoff potential	Current Soil Test P (ppm)	Crop P2O5 Req.	Annual or Biennial Application Cycle	Max Effluent Allowable (ac in/ac)	Enter % of Maximum Planned to Apply	Planned Effluent (ac in/ac)	Planned Effluent per field (acre inche
26.0	Coastal GC (30%DM) 9-11T; SG GC 6-7T M	269	205	Annual	20.0	10.0	2	52
		72 149	205 190	Annual Annual	79.0 54.9	10.0	7.9 5.49	419 549
	394 Acres 26.0	Acres Crop Management and PI runoff potential  26.0 Coastal GC (30%DM) 9-11T; SG GC 6-7T M  53.0 Coastal GC (30%DM) 9-11T; SG GC 6-7T M	Acres Crop Management and PI runoff potential  Current Soil Test P (ppm)  Coastal GC (30%DM) 9-11T; SG GC 6-7T M  Coastal GC (30%DM) 9-11T; SG GC 6-7T M  Coastal GC (30%DM) 9-11T; SG GC 6-7T M	Acres Crop Management and PI runoff potential  Current Soil Test P2O5 Req.  Coastal GC (30%DM) 9-11T; SG GC 6-7T M  Current Soil Test P2O5 Req.  Coastal GC (30%DM) 9-11T; SG GC 6-7T M  Current Soil Test P2O5 Req.	Acres Crop Management and PI runoff potential  Current Soil Test P (ppm)  Current Soil Test P (ppm)  Cycle  Coastal GC (30%DM) 9-11T; SG GC 6-7T M  Coastal GC (30%DM) 9-11T; SG GC 6-7T M  Current Soil Test P (ppm)  Req.  Annual Or Biennial Application Cycle  Annual  Annual  Annual  Annual	Acres Crop Management and PI runoff potential  Current Soil Test P (ppm)  Crop Management and PI runoff potential  Coastal GC (30%DM) 9-11T; SG GC 6-7T M   Acres Crop Management and PI runoff potential  Current Soil Test P (ppm)  Current Soil Test P (ppm)  Current Soil Test P (ppm)  Cycle  Annual or Biennial Application Allowable (ac in/ac)  Annual or Biennial Allowable (ac in/ac)	Acres Crop Management and PI runoff potential  Current Soil Test P (ppm)  Coastal GC (30%DM) 9-11T; SG GC 6-7T M  Coastal GC (30%DM) 9-11T; SG GC 6-7T M  Current Soil Test P (ppm)  Current Soil Test P (ppm)  Req.  Annual or Biennial Application Cycle  Req.  Annual or Biennial Application Cycle  Annual 20.0  Annual 20.0  10.0  2  Annual 79.0  10.0  7.9	

Printed on: 6/23/25 8:49 AM

Plan is based on: 590 Organic Nutrient Management Plan

Available Water Capacity Entries

	Printed on: 6	6/23/2	25 8:49	MA G		Plan	is bas	ed on:	590 Org	ganic N	utrient l	Manager	nent Pla	Pe	rmit #:	N	Q0004	1108000
								EX	AMPLE	ENTR	IES_							Available
	Texture of the soil layer within the upper 24	0	3	0.12	0.2	3	14 <b>En</b>	0.16 ter Da	0.21	14 he top	18 24" (		0.12	18	24	0	0	Water Holding Capacity (AWC) of
LMU or Fields receiving Effluent	inches of the soil profile that has the lowest permeability (Don't Abbreviate)	Fi La	th of rst yer hes)	Fi La	C of rst yer /in)	Sec	th of ond yer hes)	AW Sec La	C of ond yer /in)	Dep Th La	th of ird yer hes)	AW Th La	C of ird yer /in)	For La	th of urth yer hes)	For La	C of urth yer /in)	the uppe 24 inches of the soi profile (Inches)
2	Brackett Maloterre	0	4	0.1	0.16	4	14	0.08	0.16	14	60	0	0	60				1.72
5	Brackett Maloterre	0	4 4	0.1	0.16	4	14	0.08	0.16 0.16	14	60	0	0	60				1.72
							1											

# SOIL MONITORING REPORT FOR CAFO INDIVIDUAL PERMITS IN THE SOLE SOURCE IMPAIRMENT ZONES

#### A. Sample collection

- Samples were collected for the land management unit (LMU) identified below.
   Yes, complete this form and Tables 1 and 2 below. Attach a copy of the laboratory analyses to this soil monitoring report form.
   No, provide the facility information for the LMU below with the exception of the tables.
- 2) Reporting Year: 2024 Sample Collection Date: 10/16/2024

### **B.** Facility Information

- 1) Permit Number: WQ0004108000
- 2) Site Name: Okee Dairy
- 3) Name of LMU (LMU Name should correspond to field designation located on the Map included in the PPP): 1
- 4) Name of Owner/Operator: Oene Keuning
- 5) Mailing Address for Owner/Operator: 4745 CR 207, Hico, TX 76457

Table 1. Soil Analysis Report Where Manure, Sludge and Wastewater are not Incorporated

Soil Sample Parameter	0-2 inches soil depth	2-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO <sub>3</sub> -N), ppm	•		
Phosphorus (extractable), ppm			
Potassium (extractable), ppm			
Sodium (extractable), ppm			
Magnesium (extractable), ppm			
Calcium (extractable), ppm			10.00
Electrical Conductivity/Soluble Salts, dS/m			
pH, SU			

Table 2. Soil Analysis Report Where Manure, Sludge and Wastewater are Incorporated

Soil Sample Parameter	o-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO <sub>3</sub> -N), ppm	11.864	3.257
Phosphorus (extractable), ppm	85.8	13.1
Potassium (extractable), ppm	308	257
Sodium (extractable), ppm	35.6	72.7
Magnesium (extractable), ppm	449	286
Calcium (extractable), ppm	19219	15965
Electrical Conductivity/Soluble Salts, dS/m	0.167	0.2
pH, SU	7.36	7.61

Note: ppm = parts per million, considered to be equivalent to milligrams per liter (mg/l); dS/m = decisiemins per meter, equivalent to millimhols per centimeter (mmhols/cm); SU = standard units.

#### C. 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 information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name and Title of Responsible Official or Authorized Agent: Oene Keuning, Owner

Signature: L. R. H.

Date: 2 - 21 - 25

Telephone Number: 254/796-4491

#### D. How to Submit

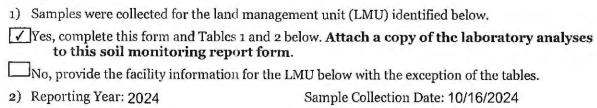
The soil monitoring report with attached soil analyses should be included in the Annual Report that is required to be submitted by March 31 of each year. For State Only CAFOs, submit this soil monitoring report form to the TCEQ, Enforcement Division (MC-224), P.O. Box 13087, Austin, Texas 78711-3087 and provide a copy to the TCEQ Regional Office.

If you have any additional questions about this form or soil sample collection and soil analyses requirements, contact:

By e-mail: CAFO@tceq.texas.gov or call (512) -239-4671

# SOIL MONITORING REPORT FOR CAFO INDIVIDUAL PERMITS IN THE SOLE SOURCE IMPAIRMENT ZONES

#### A. Sample collection



#### **B.** Facility Information

1) Permit Number: WQ0004108000

2) Site Name: Okee Dairy

3) Name of LMU (LMU Name should correspond to field designation located on the Map included in the PPP): 2

4) Name of Owner/Operator: Oene Keuning

5) Mailing Address for Owner/Operator: 4745 CR 207, Hico, TX 76457

Table 1. Soil Analysis Report Where Manure, Sludge and Wastewater are not Incorporated

Soil Sample Parameter	0-2 inches soil depth	2-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO <sub>3</sub> -N), ppm	9.178	9.031	5.497
Phosphorus (extractable), ppm	269	149	24.1
Potassium (extractable), ppm	432	530	317
Sodium (extractable), ppm	36.8	60.3	87.9
Magnesium (extractable), ppm	529	527	368
Calcium (extractable), ppm	7191	9596	17737
Electrical Conductivity/Soluble Salts, dS/m	0.268	0.306	0.505
pH, SU	7.19	7.41	7.64

Table 2. Soil Analysis Report Where Manure, Sludge and Wastewater are Incorporated

Soil Sample Parameter	o-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO3-N), ppm		
Phosphorus (extractable), ppm		
Potassium (extractable), ppm		
Sodium (extractable), ppm		
Magnesium (extractable), ppm		
Calcium (extractable), ppm		
Electrical Conductivity/Soluble Salts, dS/m		
pH, SU		

Note: ppm = parts per million, considered to be equivalent to milligrams per liter (mg/l); dS/m = decisiemins per meter, equivalent to millimhols per centimeter (mmhols/cm); SU = standard units.

#### C. Certification

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Print Name and Title of Responsible Official or Authorized Agent: Oene Keuning, Owner

Signature: Luk 4 for

Date: 2-71-75

Telephone Number: 254/796-4491

#### D. How to Submit

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# SOIL MONITORING REPORT FOR CAFO INDIVIDUAL PERMITS IN THE SOLE SOURCE IMPAIRMENT ZONES

#### A. Sample collection

1)	Samples were collected for the lan	d management unit (LMU) identified below.
1	Yes, complete this form and Table to this soil monitoring rep	s 1 and 2 below. Attach a copy of the laboratory analyse: ort form.
	No, provide the facility informatio	n for the LMU below with the exception of the tables.
2)	Reporting Year: 2024	Sample Collection Date: 10/16/2024

#### B. Facility Information

1) Permit Number: WQ0004108000

2) Site Name: Okee Dairy

3) Name of LMU (LMU Name should correspond to field designation located on the Map included in the PPP): 3

4) Name of Owner/Operator: Oene Keuning

5) Mailing Address for Owner/Operator: 4745 CR 207, Hico, TX 76457

Table 1. Soil Analysis Report Where Manure, Sludge and Wastewater are not Incorporated

Soil Sample Parameter	0-2 inches soil depth	2-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO3-N), ppm	•	•	
Phosphorus (extractable), ppm			
Potassium (extractable), ppm			
Sodium (extractable), ppm			
Magnesium (extractable), ppm			
Calcium (extractable), ppm			
Electrical Conductivity/Soluble Salts, dS/m			
pH, SU			

Table 2. Soil Analysis Report Where Manure, Sludge and Wastewater are Incorporated

Soil Sample Parameter	o-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO <sub>3</sub> -N), ppm	8.794	2.457
Phosphorus (extractable), ppm	76.1	13.8
Potassium (extractable), ppm	165	193
Sodium (extractable), ppm	56.0	88.3
Magnesium (extractable), ppm	396	240
Calcium (extractable), ppm	16721	16309
Electrical Conductivity/Soluble Salts, dS/m	0.264	0.437
pH, SU	7.43	7.62

Note: ppm = parts per million, considered to be equivalent to milligrams per liter (mg/l); dS/m = decisiemins per meter, equivalent to millimhols per centimeter (mmhols/cm); SU = standard units.

#### C. Certification

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Print Name and Title of Responsible Official or Authorized Agent: Oene Keuning, Owner

Signature: Likh

Date: 2-21-25

Telephone Number: 254/796-4491

#### D. How to Submit

The soil monitoring report with attached soil analyses should be included in the Annual Report that is required to be submitted by March 31 of each year. For State Only CAFOs, submit this soil monitoring report form to the TCEQ, Enforcement Division (MC-224), P.O. Box 13087, Austin, Texas 78711-3087 and provide a copy to the TCEQ Regional Office.

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By e-mail: CAFO@tceq.texas.gov or call (512) -239-4671

# SOIL MONITORING REPORT FOR CAFO INDIVIDUAL PERMITS IN THE SOLE SOURCE IMPAIRMENT ZONES

### A. Sample collection

- Samples were collected for the land management unit (LMU) identified below.
   Yes, complete this form and Tables 1 and 2 below. Attach a copy of the laboratory analyses to this soil monitoring report form.
   No, provide the facility information for the LMU below with the exception of the tables.
- 2) Reporting Year: 2024 Sample Collection Date: 10/16/2024

#### **B.** Facility Information

- 1) Permit Number: WQ0004108000
- 2) Site Name: Okee Dairy
- 3) Name of LMU (LMU Name should correspond to field designation located on the Map included in the PPP): 4
- 4) Name of Owner/Operator: Oene Keuning
- 5) Mailing Address for Owner/Operator: 4745 CR 207, Hico, TX 76457

Table 1. Soil Analysis Report Where Manure, Sludge and Wastewater are not Incorporated

Soil Sample Parameter	0-2 inches soil depth	2-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO <sub>3</sub> -N), ppm	6.318	5.358	2.525
Phosphorus (extractable), ppm	85.4	25.4	3.47
Potassium (extractable), ppm	216	214	200
Sodium (extractable), ppm	27.8	49.6	82.2
Magnesium (extractable), ppm	359	306	206
Calcium (extractable), ppm	10090	12715	20864
Electrical Conductivity/Soluble Salts, dS/m	0.296	0.381	0.416
pH, SU	7.27	7.5	7.67

Table 2. Soil Analysis Report Where Manure, Sludge and Wastewater are Incorporated

Soil Sample Parameter	o-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO3-N), ppm		
Phosphorus (extractable), ppm		
Potassium (extractable), ppm	The Manager of the Control of the Co	
Sodium (extractable), ppm		
Magnesium (extractable), ppm		
Calcium (extractable), ppm		
Electrical Conductivity/Soluble Salts, dS/m		
pH, SU		

Note: ppm = parts per million, considered to be equivalent to milligrams per liter (mg/l); dS/m = decisiemins per meter, equivalent to millimhols per centimeter (mmhols/cm); SU = standard units.

#### C. Certification

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Print Name and Title of Responsible Official or Authorized Agent: Oene Keuning, Owner

Signature: for \_\_\_\_\_

Date: 2-21-25

Telephone Number: 254/796-4491

#### D. How to Submit

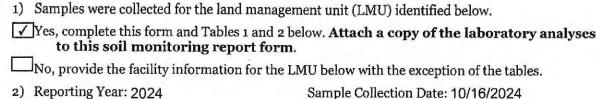
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# SOIL MONITORING REPORT FOR CAFO INDIVIDUAL PERMITS IN THE SOLE SOURCE IMPAIRMENT ZONES

#### A. Sample collection



### B. Facility Information

1) Permit Number: WQ0004108000

2) Site Name: Okee Dairy

3) Name of LMU (LMU Name should correspond to field designation located on the Map included in the PPP): 5

4) Name of Owner/Operator: Oene Kuining

5) Mailing Address for Owner/Operator: 4745 CR 207, Hico, TX 76457

Table 1. Soil Analysis Report Where Manure, Sludge and Wastewater are not Incorporated

Soil Sample Parameter	0-2 inches soil depth	2-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO <sub>3</sub> -N), ppm	3.762	0.934	2.043
Phosphorus (extractable), ppm	71.5	23.0	5.34
Potassium (extractable), ppm	264	236	204
Sodium (extractable), ppm	48.3	74.5	90.7
Magnesium (extractable), ppm	373	302	186
Calcium (extractable), ppm	13668	14018	18418
Electrical Conductivity/Soluble Salts, dS/m	0.088	0.184	0.192
pH, SU	7.27	7.72	7.73

Table 2. Soil Analysis Report Where Manure, Sludge and Wastewater are Incorporated

Soil Sample Parameter	o-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO3-N), ppm		
Phosphorus (extractable), ppm		
Potassium (extractable), ppm		
Sodium (extractable), ppm		
Magnesium (extractable), ppm		
Calcium (extractable), ppm		7
Electrical Conductivity/Soluble Salts, dS/m		
pH, SU		

Note: ppm = parts per million, considered to be equivalent to milligrams per liter (mg/l); dS/m = decisiemins per meter, equivalent to millimhols per centimeter (mmhols/cm); SU = standard units.

#### C. Certification

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Print Name and Title of Responsible Official or Authorized Agent: Oene Keuning, Owner

Signature: La Rate for

Date: 7 - 21 - 25

Telephone Number: 254/796-4491

#### D. How to Submit

The soil monitoring report with attached soil analyses should be included in the Annual Report that is required to be submitted by March 31 of each year. For State Only CAFOs, submit this soil monitoring report form to the TCEQ, Enforcement Division (MC-224), P.O. Box 13087, Austin, Texas 78711-3087 and provide a copy to the TCEQ Regional Office.

If you have any additional questions about this form or soil sample collection and soil analyses requirements, contact:

By e-mail: CAFO@tceq.texas.gov or call (512) -239-4671

TEXAS COMMISS ENVIRON QUALITY	SION ON IMENTAL		Ch	ain	of	Cust	od	y F	Reco	ord			55768
Location:	) Kee	Dair (Do not fill i	in this shade	d area it	f the fac	ility inform	ation i	must b	e confid	ential)		Permit #:	4108
Region:	Organization	#:	PCA Code	:		Program	n:			Sampler telephone number: (254)552-			52-1900
E-Mail ID:		Sampler:	(signature)							Sampler: (please print clearly)			
Lab ID Number	Sample ID	Date	Time	# of Bottles	Grab/ Comp.	Matrix L,S,M,O,T	CL2	рН	Cond.	Analys	es Requested	R	EMARKS
14249	-01	18/0/01	1305							See	RFA	LMU	1 (0-6)
14250	-02	19/14/24	1305									Lmu	1 (6-24)
14251	-03	19/14/24	1230									Lmu	2 (0-2)
14252	-04	19/14/24	1230									cmu	2 (2-6)
14253	-05	19/10/24	1230									Lmu	2 (6-24)
14254	-06	19/16/24	1250									unu	3 (0-6)
14255	-07	19/16/24										LMU	3 (6-24)
14256	-08	710/24	1210									Lmu	4 (0-2)
14257	-09	19/10/24										Lmu	4 (26)
14258	-10	10/16/24				f						LMY	4 (624)
Relinquished News I	VILLER	10/18/24		14	ved b	1	11-1	19-2	74	For Laborat	ory Use:		
Relinquished	by:	Date	Time	Recei	ved by:			,	1	Received or	n ice: Y	M	deg. C
Relinquished	by:	Date	Time	Recei	ved by:					Preservative	es: Y	(N)	
Relinquished	by:	Date	Time	Recei	ived by:					COC Seal:	Y	N/	
Shipper name Fld E TCEQ-10065 (11/	X	Shipper 1	Number: 0 33 riginal) -Lab	41	919	Yellow-Lab			P	Seals Intac		Goldenrod-C	follector Copy

Report for Samples analyzed Under Contract Number: 582-10-99518

Report ID: 055768a-45667 Print Date: 10-Jan-25

Texas A&M AgriLife Extension Service Soil, Water and Forage Testing Laboratory 108 Soil Testing Laboratory, 2478 TAMU

College Station, TX 77843-2478

979-862-4955

Client Name: Client address: Okee Dairy not provided

Standard Sample Report

TCEQ COC# 055768

Laboratory ID:	TCEQ/client Sample ID:	Sample Depth (inches)	Sample Coll. Date:	Collector Name:	TCEQ Region #	Date Received	Sample Type:	Sample opened Date	Sample Ground Date	Process Tech.
14249	55768-01	0-6	10/16/2024	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14250	55768-02	6-24	10/16/2D24	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14251	55768-03	0-2	10/16/2024	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14252	55768-04	2-6	10/16/2024	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14253	55768-05	6-24	10/16/2024	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14254	55768-06	0-6	10/16/2024	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14255	55768-07	6-24	10/16/2024	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14256	55768-08	0-2	10/16/2024	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14257	55768-09	2-6	10/16/2024	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14258	55768-10	6-24	10/16/2024	not recorded	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP

Methods and Sample Preparation:

Receiving of samples

Processing - SWFTL0097R0.SOP

Upon opening of sample chests, all samples are identified and organized as listed on COC to insure completeness and condition of shipment. Individually each sample is spread across a non-reactive tray where foreign materials is physically removed and discarded. The sample(s) are then placed inside a 65C drying oven and allow to remain until dry. Individual samples were then removed from drying oven and pulverized with an Agvise soil pulzerized fitted with a shaking 2mm screen. Every attempt was again made to remove any remaining plant tissue in the pulverized sample(s). Soil was then transferred to the laboratory sample cups and while additional sample was stored.

Analytical Methods:

Soil pH 2:1 DI water:soil

SOIL pH ANO CONDUCTIVITY - SWFTL0015R1.SOP

Schofield, R.K. and A.W. Taylor. 1955. The measurement of soil pH. Soil Sci. Soc. Am. Proc. 19:164-167.

Soil Conductivity 2:1 DI Water:Soil

SOIL pH AND CONDUCTIVITY - SWFTL0015R1.SOP

Rhoades, J.D. 1982. Soluble salts. p. 167-178. In: A.L. Page, et al. (ed.). Methods of Soil Analysis: Part 2. Agronomy Monogr. 9. 2nd ed. ASA and SSSA, Madison, WI.

Soil Nitrate-N KCl Extractable with Cd-Reduction Analyses

NO3-N EXTRACTION - SWFTL0014R5.SOP/NO3-N ANALYSIS - SWFTL0089R1.SOP

Keeney, D.R. and D.W. Nelson. 1982. Nitrogen - inorganic forms. p. 643-687. In: A.L. Page, et al. (ed.). Methods of Soil Analysis: Part 2. Agronomy Monogr. 9. 2nd ed. ASA and SSSA, Madison, WI.

Soil P. K. Ca. Mg. S and Na -- Mehlich III by ICP

M3 EXTRACTION - SWFTL0079R1.SOP/M3 ANALYSIS - SWFTL0081R2.SOP

Mehlich-3 soil test extractant: a modification of Mehlich-2 extractant. Commun. Soil Sci. Plant Anal. 15(12):1409-1416

Report ID: 055768a-45667

Print Date: 10-Jan-25

Standard Sample Report

Laboratory ID:	TCEQ/client	Mehlich III											
	Sample ID:	P conc.	P units	K conc.	K units	Ca conc.	Ca units	Mg conc.	Mg units	S conc.	S units	Na conc.	Na units
14249	55768-01	85.8	ppm	308	ppm	19219	ppm	449	ppm	168	ppm	35.6	ppm
14250	55768-02	13.1	ppm	257	ppm	15965	ppm	286	ppm	130	ppm	72.7	ppm
14251	55768-03	239	ppm	432	ppm	7191	ppm	529	ppm	71.8	ppm	36.8	ppm
14252	55768-04	149	ppm	530	ppm	9596	ppm	527	ppm	90.5	ppm	60.3	ppm
14253	55768-05	24.1	ppm	317	ppm	17737	ppm	368	ppm	167	ppm	87.9	ppm
14254	55768-06	76.1	ppm	165	ppm	16721	ppm	396	ppm	149	ppm	56.0	ppm
14255	55768-07	13.8	ppm	193	ppm	16309	ppm	240	ppm	137	ppm	88.3	ppm
14256	55768-08	85.4	ppm	216	ppm	10090	ppm	359	ppm	90.7	ppm	27.8	ppm
14257	55768-09	25.4	ppm	214	ppm	12715	ppm	306	ppm	108	ppm	49.6	ppm
14258	55768-10	3.47	ppm	200	ppm	20864	ppm	206	ρpm	173	ppm	82.2	ppm

Laboratory ID:	Mehlich III P conc.	Mehlich III P units	Mehlich III K conc.	Mehlich III K units	Mehlich III Ca conc.	Mehlich III Ca units	Mehlich III Mg conc.	Mehlich III Mg conc.	Mehlich III S conc.	Mehlich III S units	Mehlich III Na conc.	Mehlich III Na units
Detection Limit	0.2367	ppm	0.1308	ppm	0.0436	ppm	0.0250	ppm	0.0010	ppm	0.0269	ppm
Reporting Limit	1	ppm	1	ppm	1	ppm	1	ppm	1	ppm	1	ppm

Laboratory ID:	TCEQ/client	Mehlich III	Mehlich III	Mehlich III	Mehlich III
	Sample ID:	Extract Date	Extract Tech	Anal.Date	Anal. Tech
14249	55768-01	1/8/2025	FMR	1/9/2025	JLP
14250	55768-02	1/8/2025	FMR	1/9/2025	JLP
14251	55768-03	1/8/2025	FMR	1/9/2025	JLP
14252	55768-04	1/8/2025	FMR	1/9/2025	JLP
14253	55768-05	1/8/2025	FMR	1/9/2025	JLP
14254	55768-06	1/8/2025	FMR	1/9/2025	JLP
14255	55768-07	1/8/2025	FMR	1/9/2025	JLP
14256	55768-08	1/8/2025	FMR	1/9/2025	JLP
14257	55768-09	1/8/2025	FMR	1/9/2025	JLP
14258	55768-10	1/8/2025	FMR	1/9/2025	JLP

Report ID: 055768a-45667 Standard Sample Report

Print Date:

10-Jan-25

Laboratory ID:	TCEQ/client Sample ID:	рН	pH units	Conductivity	Conductivity units	Nitrate-N	Nitrate-N units
14249	55768-01	7.36	NA	0.167	dS/M	11.864	ppm
14250	55768-02	7.61	NA	0.2	dS/M	3.257	ppm
14251	55768-03	7.19	NA	0.268	dS/M	9.178	ppm
14252	55768-04	7.41	NA	0.306	dS/M	9.031	ppm
14253	55768-05	7.64	NA	0.505	dS/M	5.497	ppm
14254	55768-06	7.43	NA	0.264	dS/M	8.794	ppm
14255	55768-07	7.63	NA	0.437	dS/M	2.457	ppm
14256	55768-08	7.27	NA	0.296	dS/M	6.318	ppm
14257	55768-09	7.5	NA	0.381	dS/M	5.358	ppm
14258	55768-10	7.67	NA	0.416	dS/M	2.525	ppm

Laboratory ID:	pH	рН	Conductivity	Conductivity	Nitrate-N	Nitrate-N
		units		units		units
Detection Limit	0.01	na	0.001	dS/M	0.01	mqq
Reporting Limit	0.1	na	0.001	dS/M	1	ppm

Laboratory ID:	TCEQ/client	pH/Conducti	vity prep	pH Anal	ysis	Conduc	tivity	Nitate-N E	extract	Nitrate-N A	nalysis
	Sample ID:	Date	Tech	Date	Tech	Date	Tech	Date	Tech	Date	Tech
14249	55768-01	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14250	55768-02	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14251	55768-03	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	WL
14252	55768-04	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14253	55768-05	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14254	55768-06	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14255	55768-07	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14256	55768-08	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14257	55768-09	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14258	55768-10	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW

Report ID: 055768a-45667 Quality Control Report

Print Date: 10-Jan-25

Laboratory ID:		Mehlich III											
		P conc.	P units	K conc.	K units	Са сопс.	Ca units	Мд сопс.	Мд сопс.	S conc.	S units	Na conc.	Na units
14259	IC10223	50.8	ppm	325	ppm	2594	ppm	365	ppm	41.2	ppm	50.0	ppm
14260	IC1024	49.6	ppm	319	ppm	2378	ppm	358	ppm	40.1	ppm	50.2	ppm
	Mean IC	0	ppm										
	IC Lower	45.9	ppm	305.0	ppm	2320,0	ppm	335.0	ppm	27.0	ppm	30.0	ppm
	IC Upper	53.4	ppm	365.0	ppm	2645.0	ppm	409.0	ppm	49.0	ppm	55.0	ppm
	blk221	< 0.237	ppm	< 0.131	ppm	< 0.0436	ppm	< 0.0250	ppm	< 0.0100	ppm	< 0.513	ppm

Laboratory ID:	Mehlich III											
	P conc.	P units	K conc.	K units	Ca conc.	Ca units	Mg conc.	Mg conc.	S conc.	S units	Na conc.	Na units
Detection Limit	0.2367	ppm	0.1308	ppm	0.0436	ppm	0.0250	ppm	0.0010	ppm	0.0269	ppm
Reporting Limit	1	ppm										

Laboratory ID:	Mehlich III	Mehlich III	Mehlich III	Mehlich III	
	Extract Date	Extract Tech	Anal.Date	Anal. Tech	
IC10223	1/8/2025	FMR	1/9/2025	JLP	
IC1024	1/8/2025	FMR	1/9/2025	JLP	
blk221	1/8/2025	FMR	1/9/2025	JLP	

Report ID: 055768a-45667

Print Date: 10-Jan-25

Quality Control Report

Laboratory ID:		рН	pH units	Conducitity conc.	Conducitity units	Nitrate-N conc.	Nitrate-N units	Nitrate-N % recovery
14259	IC10223	5.9	na	0.254	dS/M	3.961	ppm	
14260	IC1024	5.9	na	0.257	dS/M	4.569	ppm	
	Mean IC	5.88	na	0.2555	dS/M	4.265	ppm	
14260spike	Spiked sample			-		3.9	ppm	88.1
	IC lower	5.760	na	0.241	dS/M	3.5	ppm	
	IC Upper	5.990	na	0.299	dS/M	5.5	ppm	
	blk221	-	na	0	dS/M	0.614	ppm	

Laboratory ID:	рН	pН	Conducitity	Conducitity	Nitrate-N	Nitrate-N
		units	conc.	units	conc.	units
Detection Limit	0.01	na	0.001	dS/M	0.01	ppm
Reporting Limit	0.1	na	0.001	dS/M	1	ppm

Laboratory ID:	pH/Conducti	vity prep	pH Ana	lysis	Conduc	tivity	Nitate-N 8	Extract	Nitrate-N Analysis	
	Date	Tech	Date	Tech	Date	Tech	Date	Tech	Date	Tech
IC10223	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
IC1024	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
blk221	12/13/2024	DEC	12/16/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW

TEXAS				-			-					I	
COMMISS ENVIRON QUALITY	MENTAL		Ch	ain	of	Cust	od	y F	Rec	ord		55	769
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Region:	Organization	1 #:	PCA Code	<b>ə</b> :		Program	n:			Sampler tele	phone number: (254)	)552-190	00
E-Mail ID:			(signature)		Jaka	2	_			Sampler: (pl	ease print clearly)		
Lab ID Number	Sample ID	Date	Time	# of Bottles	Grab/ Comp.	Matrix L,S,M,O,	CL2	pН	Cond.	Analys	ses Requested	REMA	ARKS
14261	-01		1145							Sel	RFA	LMU 5	(0-z)
14262	-02	10/14/24	1145								)	cmu 5	(2-6)
14263	-03	10/24	1145									LMU5	(6-24)
	-04									_		Lmu 6	(50)
	-05											LMUO	(2-6)
	-06											Limit to	(6-24)
	-07												
	-08												
	-09												
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Relinquished	by:	Date	Time	Rece	ived by					000 500	. v	N.	

Shipper name: FLA EX TCEQ-10065 (11/02) Shipper Number: 7700 334 White (Original) -Lab

Yellow-Lab

Seals Intact: Pink-Contract Lab Manager

Goldenrod-Collector Copy

Y

Report for Samples analyzed Under Contract Number: 582-10-99518

Report ID: 055769a-45667

Print Date:

10-Jan-25

Texas A&M AgriLife Extension Service Soil, Water and Forage Testing Laboratory 108 Soil Testing Laboratory, 2478 TAMU College Station, TX 77843-2478 979-862-4955

Client Name:

Okee Dairy

Client address:

not provided

Standard Sample Report

TCEQ COC# 055769

Laboratory ID:	TCEQ/client	Sample	Sample Coll.	Collector	TCEQ	Date	Sample	Sample opened	Sample Ground	Process
	Sample ID:	Depth (inches)	Date:	Name:	Region #	Received	Type:	Date	Date	Tech.
14261	55769-01	0-2	10/16/2024	Vanessa Gardner	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14262	55769-D2	2-6	10/16/2024	Vanessa Gardner	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP
14263	55769-03	6-24	10/16/2024	Vanessa Gardner	4	11/19/2024	soil	11/25/2024	12/4/2024	TLP

#### Methods and Sample Preparation:

Receiving of samples

Processing - SWFTL0097R0.SOP

Upon opening of sample chests, all samples are identified and organized as listed on COC to insure completeness and condition of shipment. Individually each sample is spread across a non-reactive tray where foreign materials is physically removed and discarded. The sample(s) are then placed inside a 65C drying oven and allow to remain until dry. Individual samples were then removed from drying oven and pulverized with an Agvise soil pulzerized fitted with a shaking 2mm screen. Every attempt was again made to remove any remaining plant tissue in the pulverized sample(s). Soil was then transferred to the laboratory sample cups and while additional sample was stored.

#### Analytical Methods:

Soil pH 2:1 DI water:soil

SOIL pH AND CONDUCTIVITY - SWFTL0015R1.SOP

Schofield, R.K. and A.W. Taylor, 1955. The measurement of soil pH. Soil Sci. Soc. Am. Proc. 19:164-167.

Soil Conductivity 2:1 DI Water:Soil

SOIL pH AND CONDUCTIVITY - SWFTL0015R1.SOP

Rhoades, J.D. 1982. Soluble salts. p. 167-178. In: A.L. Page, et al. (ed.), Methods of Soil Analysis: Part 2. Agronomy Monogr. 9. 2nd ed. ASA and SSSA, Madison, WI.

Soil Nitrate-N KCl Extractable with Cd-Reduction Analyses

NO3-N EXTRACTION - SWFTL0014R5.SOP/NO3-N ANALYSIS - SWFTL0089R1.SOP

Keeney, D.R. and D.W. Nelson. 1982. Nitrogen - inorganic forms. p. 643-687. In: A.L. Page, et al. (ed.), Methods of Soil Analysis: Part 2. Agronomy Monogr. 9. 2nd ed. ASA and SSSA, Madison, WI.

Soil P. K. Ca. Mg. S and Na -- Mehlich III by ICP

M3 EXTRACTION - SWFTL0079R1.SOP/M3 ANALYSIS - SWFTL0081R2.SOP

Mehlich-3 soil test extractant: a modification of Mehlich-2 extractant. Commun. Soil Sci. Plant Anal. 15(12):1409-1416

Report ID: 055769a-45667

Print Date: 10-Jan-25

Standard Sample Report

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Laboratory ID:	TCEQ/client	Mehfich III	Mehlich III										
	Sample ID:	P conc.	P units	K conc.	K units	Ca conc.	Ca units	Mg conc.	Mg units	S conc.	S units	Na conc.	Na units
14261	55769-01	71.5	ppm	264	ppm	13668	ppm	373	ppm	121	ppm	48.3	ppm
14262	55769-02	23.0	ppm	236	ppm	14018	ppm	302	ppm	120	ppm	74.5	ppm
14263	55769-03	5.34	ppm	204	ppm	18418	ppm	186	ppm	155	ppm	90.7	ppm

Laboratory ID:	Mehlich III P conc.	Mehlich III P units	Mehlich III K conc.	Mehlich III K units	Merlich III Ca conc.	Mehlich III Ca units	Mehlich III Mg conc.	Mehlich III Mg conc.	Mehlich III S conc.	Mehlich III S units	Mehlich III Na conc.	Mehlich III Na units
Detection Limit	0.2367	ppm	0.1308	ppm	0.0436	ppm	0.0250	ppm	0.0010	ppm	0.0269	ppm
Reporting Limit	1	ppm	1	ppm	1	ppm	1	ppm	1	ppm	1	ppm

Laboratory ID:	TCEQ/client	Mehlich III	Mehlich III	Mehlich III	Mehlich III
	Sample ID:	Extract Date	Extract Tech	Anal.Date	Anal, Tech
14261	55769-01	1/8/2025	FMR	1/9/2025	JLP
14262	55769-02	1/8/2025	FMR	1/9/2025	JLP
14263	55769-03	1/8/2025	FMR	1/9/2025	JLP

Report ID: 055769a-45667

Print Date:

10-Jan-25

Standard Sample Report

Laboratory ID:	TCEQ/client Sample ID:	pН	pH units	Conductivity	Conductivity units	Nitrate-N	Nitrate-N units
14261	55769-01	7.27	NA	0.088	dS/M	3.762	ppm
14262	55769-02	7.72	NA	0.184	dS/M	0.934	ppm
14263	55769-03	7.73	NA	0.192	dS/M	2.043	ppm

Laboratory ID:	pН	pH units	Conductivity	Conductivity	Nitrate-N	Ntoshe-N units
Detection Limit	0.01	na	0.001	dS/M	0.01	ppm
Reporting Limit	0.1	па	0.001	dS/M	1	ppm

Laboratory ID:	TCEQ/client	pH/Conducti	vity prep	pH Anal	ysis	Conduc	tivity	Nitate-N 8	xtract	Nitrate-N A	nalysis
	Sample ID:	Date	Tech	Date	Tech	Date	Tech	Date	Tech	Date	Tech
14261	55769-01	12/18/2024	DEC	12/18/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14262	55769-02	12/18/2024	DEC	12/18/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
14263	55769-03	12/18/2024	DEC	12/18/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	WL

Report ID: 055769a-45667 Quality Control Report

Print Date: 10-Jan-25

Laboratory ID:		Mehlich III											
		P conc.	P units	K conc.	K units	Ca conc.	Ca units	Mg conc.	Mg conc.	S conc.	S units	Na conc.	Na units
14279	IC1025	48.2	ppm	323	ppm	2503	ppm	360	ppm	40.8	ppm	48.7	ppm
14280	IC1026	46.5	ppm	309	ppm	2328	ppm	345	ppm	39.1	ppm	47.9	ppm
	Mean IC	0	ppm										
	IC Lower	45.9	ppm	305.0	ppm	2320.0	ppm	335.0	ppm	27.0	ppm	30.0	ppm
	IC Upper	53.4	ppm	365.0	ppm	2645.0	ppm	409.0	ppm	49.0	ppm	55.0	ppm
	blk221	< 0.237	ppm	< 0.131	ppm	< 0.0436	ppm	< 0.0250	ppm	< 0.0100	ppm	< 0.513	ppm

Laboratory ID:	Mehlich III	Mehiich III	Mehlich III									
	P conc.	P units	K conc.	K units	Ca conc.	Ca units	Mg conc.	Mg conc.	S conc.	S units	Na conc.	Na units
Detection Limit	0.2367	ppm	0.1308	ppm	0.0436	ppm	0.0250	ppm	0.0010	ppm	0.0269	ppm
Reporting Limit	1	ppm										

Laboratory ID:	Mehlich III Extract Date	Mehlich III Extract Tech	Mehlich III Anal.Date	Mehlich III Anal, Tech
IC1025	1/8/2025	FMR	1/9/2025	JLP
IC1026	1/8/2025	FMR	1/9/2025	JLP
blk221	1/8/2025	FMR	1/9/2025	JLP

Report ID: 055769a-45667

Print Date: 10-Jan-25

#### Quality Control Report

Laboratory ID:		рН	pH units	Conducitity conc.	Conducitily units	Nitrate-N conc.	Nitrate-N units	Nitrate-N % recovery
14279	IC1025	5.9	na	0.254	dS/M	4.34	ppm	70 1600461
14280	IC1026	5.9	na	0.255	dS/M	4.446	ppm	
	Mean IC	5.855	na	0.2545	dS/M	4.393	ppm	
14280spike	Spiked sample	-	-	-	-	3.9	ppm	88.1
	IC lower	5.760	na	0.241	dS/M	3.5	ppm	
	IC Upper	5.990	na	0.299	dS/M	5.5	ppm	
	blk221	-	na	0	dS/M	0.614	ppm	

Laboratory ID:	рН	pН	Conducitity	Conducitity	Nitrate-N	Nitrate-N
		units	conc.	units	conc.	units
Detection Limit	0.01	na	0.001	dS/M	0.01	ppm
Reporting Limit	0.1	na	0.001	dS/M	1	ppm

Laboratory ID:	pH/Conducti	ivity prep	рН Ала	lysis	Conduc	tivity	Nitate-N I	Extract	Nitrate-N Analysis	
	Date	Tech	Date	Tech	Date	Tech	Date	Tech	Date	Tech
IC1025	12/18/2024	DEC	12/18/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
IC1026	12/18/2024	DEC	12/18/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW
blk221	12/18/2024	DEC	12/18/2024	DEC	12/16/2024	DEC	12/16/2024	FMR	12/17/2024	JW

# SOIL MONITORING REPORT FOR CAFO INDIVIDUAL PERMITS IN THE SOLE SOURCE IMPAIRMENT ZONES

#### A. Sample collection

1) Samples were collected for the land	d management unit (LMU) identified below.
Yes, complete this form and Tables to this soil monitoring rep	s 1 and 2 below. Attach a copy of the laboratory analyses ort form.
No, provide the facility informatio	n for the LMU below with the exception of the tables.
2) Reporting Year: 2023	Sample Collection Date: 11/16/2023

#### **B.** Facility Information

1) Permit Number: WQ000410800

2) Site Name: Okee Dairy

3) Name of LMU (LMU Name should correspond to field designation located on the Map included in the PPP): 6

4) Name of Owner/Operator: Oene Keuning

5) Mailing Address for Owner/Operator: 4745 CR 207, Hico, TX 76457

Table 1. Soil Analysis Report Where Manure, Sludge and Wastewater are not Incorporated

Soil Sample Parameter	0-2 inches soil depth	2-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO <sub>3</sub> -N), ppm			
Phosphorus (extractable), ppm			
Potassium (extractable), ppm			
Sodium (extractable), ppm			
Magnesium (extractable), ppm			
Calcium (extractable), ppm			
Electrical Conductivity/Soluble Salts, dS/m			
pH, SU			

Table 2. Soil Analysis Report Where Manure, Sludge and Wastewater are Incorporated

Soil Sample Parameter	o-6 inches soil depth	6-24 inches soil depth
Nitrate-Nitrogen (NO <sub>3</sub> -N), ppm	2.615	35.569
Phosphorus (extractable), ppm	149	1
Potassium (extractable), ppm	605	200
Sodium (extractable), ppm	137	174
Magnesium (extractable), ppm	567	265
Calcium (extractable), ppm	12128	28180
Electrical Conductivity/Soluble Salts, dS/m	0.272	0.071
pH, SU	7.73	7.76

Note: ppm = parts per million, considered to be equivalent to milligrams per liter (mg/l); dS/m = decisiemins per meter, equivalent to millimhols per centimeter (mmhols/cm); SU = standard units.

#### C. 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 information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name and Title of Responsible Official or Authorized Agent: Oene Keuning, Owner

Signature: Maeleigle Beijee for s

Date: 02 /14/2024

Telephone Number: 254/796-4991

#### D. How to Submit

The soil monitoring report with attached soil analyses should be included in the Annual Report that is required to be submitted by March 31 of each year. For State Only CAFOs, submit this soil monitoring report form to the TCEQ, Enforcement Division (MC-224), P.O. Box 13087, Austin, Texas 78711-3087 and provide a copy to the TCEQ Regional Office.

If you have any additional questions about this form or soil sample collection and soil analyses requirements, contact:

By e-mail: CAFO@tceq.texas.gov or call (512) -239-4671

amples analyzed Under Contract Number: 582-10-99518

Report ID: 055766a-45315

Print Date: 24-Jan-24

sting Laboratory, 2478 TAMU tion, TX 77843-2478 55 AgriLife Extension Service Soil, Water and Forage Testing Laboratory

SS: not provided Okee Dairy

'n

ample Report

TCEQ COC# 055766

TCEQ/client Sample Sample Coll. Collector TCEQ Date Sample opened Sample Ground Prod Sample ID: Depth (inches) Date: Name: Region # Received Type: Date Date Tec 55786-01 0-6 11/16/2023 Chris Whitefield 4 12/6/2023 soil 12/7/2023 12/15/2023 TLI	크	12/15/2023	12/7/2023	soil	12/6/2023	4	Chris Whitefield	11/16/2023	6-24	55766-02
t Sample Sample Coll. Collector TCEQ: Depth (inches) Date: Name: Region# F	건	12/15/2023	12/7/2023	soil	12/6/2023	4	Chris Whitefield	11/16/2023	9-0	55766-01
tt Sample Sample Coll. Collector TCEQ	Tec	Date	Date	Type:	Received	Region #	Name:	Date:	Depth (inches)	Sample ID:
	Proce	Sample Ground	Sample opened	Sample	Date	TCEQ	Collector	Sample Coll.	Sample	TCEQ/dient

# Sample Preparation:

Processing - SWFTL0097R0.SOP

amples

Upon opening of sample chests, all samples are identified and organized as listed on COC to insure completeness and condition of shipment. Individually each sample is spread across a non-restray where foreign materials is physically removed and discarded. The sample(s) are then placed inside a 65C drying oven and allow to remain until dry. Individual samples were then remove drying oven and pulverized with an Agvise soil pulzerized fitted with a shalding 2mm screen. Every attemptwas again made to remove any remaining plant tissue in the pulverized sample(s). then transferred to the laboratory sample cups and while additional sample was stored.

# thods: Soil pH 2:1 DI water:soil

SOIL PH AND CONDUCTIVITY - SWFTL0015R1.SOP

Schofield, R.K. and A.W. Taylor. 1955. The measurement of soil pH. Soil Sci. Soc. Am. Proc. 19:164-167.

SOIL PH AND CONDUCTIVITY - SWFTL0015R1.SOP

Soil Conductivity 2:1 Di Water:Soil Rhoades, J.D. 1982. Soluble salts. p. 167-178. In: A.L. Page, et al. [ed.]. Methods of Soll Analysis: Part 2. Agronomy Monogr. 9. 2nd ed. ASA and SSSA, Madison, WI.

Soil Nitrate-N KCL Extractable with Cd-Reduction Analyses NO3-N EXTRACTION - SWFTL0014RS.SOP/NO3-N ANALYSIS - SWFTL0089R1.SOP

Keeney, D.R. and D.W. Nelson. 1982. Nitrogen - inorganic forms. p. 643-687. In: A.L. Page, et al. (ed.). Methods of Soil Analysis: Part 2. Agronomy Monogr. 9. 2nd ed. ASA and SSSA, Madison, WI.

Soil P. K. Ca. Mg. S and Na -- Mehlich III by ICP M3 EXTRACTION - SWFTL0079R1.SOP/M3 ANALYSIS - SWFTL0081R2.SOP

Mehlich-3 soil test extractant: a modification of Mehlich-2 extractant Commun. Soil Sci. Plant Anal. 15(12):1409-1416

t ID: 055766a-45315 ample Report ID: TCEQ/client N

Print Date: 24-Jan-24 TCEQ COC# 055766

1													
ppr	174	ppm	163	ppm	265	ppm	28180	ppm	200	ppm	_	55/66-02	
ppn	137	ppm	92.1	ppm	567	ppm	12128	ppm	605	ppm	149	55766-01	
Na ur	Na conc.	S units	S conc.	Mg units	Mg conc.	Ca units	Ca conc.	K units	K conc.	P units	P conc.	Sample ID:	
Mehlic	Mehlich III	TCEQ/dient	Ď										
											The second secon	The state of the s	1

ppm	_	ppm	_	ppm	_	ppm	_	ppm		ppm	-1	
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ب	TCEQ/client	Mehlich III	Mehlich III	Mehlich III	Mehlich III
	Sample ID:	Extract Date	Extract Tech	Anal.Date	Anal. Tech
	55766-01	1/9/2024	FMR	1/10/2024	JLP
	55766-02	1/9/2024	FMR	1/10/2024	Ē

TEXAS COMIMISSON ON ENVIRONMENTAL QUALITY		Ch	ain of	Custoo	Chain of Custody Record	ord	55766
" Okee 1		This shadeo	d area if the fac	cility information	Do not fill in this shaded area if the facility information must be confidential)	ential)	Permit #: 4108
: Organization #:	#	PCA Code:		Program:		Sampler telephone number: 254 552-	1900
ID:	Sampler:	(signatyre)	trifue	C		Saxipler: (please print clearly)	iteld
Sample ID	Date	Time	# of UGrab/ Bottles Comp.	Matrix CL2	2 pH Cond.	Analyses Requested	REMARKS
149 40h	11/10/23	10:30				SU ETA	Lmuy 10
108/132	11/114/23	(0:30)				1	Lmu 6 le
-03							
-04							
-05							
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-07							
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uished by:	Date	Time	Received by:			Received on ice: Y	N) de
luished by:	Date	Time	Received by:			Preservatives: Y	Z
quished by:	Date	Time	Received by:			COC Seal: Y	z
er name:	Shipper Number: 5123	umber: 5/2/3	5793			Seals Intact: Y	\ N)
)065 (11/02)	White (Original) -I ah	sinal) -l ah		Yellow-I ah	<u>p</u>	Dink_Contract I sh Manager	Continued Calinatas Care

D: 055766a-45315 Print Date: 24-Jan-24

trol Report TCEQ COC# 055766

ņ		PH	모	Conductity	Conductity	Nitrate-N	Nitrate-N	Nitrate-N
			units	conc	units	conc.	units	% гесомегу
IC98	8		па	0.251	M/Sp	5.404	ppm	
1098	86	5.9	กล	0.251	MVSP	5.071	ppm	
Mean	ਨ	-	па	0.251	W/Sp	5.2375	p :	
Spiked s	sample	r	ī	).		4.6	ppm	83.5
ICIO	Wer	5.760	na	0.238	M/Sp	4.9	ppm	
IC Upper	per		na	0.301	M/SP	6.9	ppm	
됐	12	1	na	0	M/SP	-3,293	mqq	

Ö	pH/Conductivity prep	vity prep	pH Analysis	alysis	Conductivity	tivity	Nitate-N Extract	xtract	Nitrate-N A	Analysis
	Date	Tech	Date	Tech	Date	Tech	Date	Tech	Date	Tech
H	1/5/2024	DEC	1/5/2024	DEC	1/5/2024	DEC	1/10/2024	FMR	1/12/2024	JW
	1/5/2024	DEC	1/5/2024	DEC	1/5/2024	DEC	1/10/2024	FIVE	1/12/2024	WL
	1/5/2024	DEC	1/5/2024	DEC	1/5/2024	DEC	1/10/2024	FMR	1/12/2024	W.
									: - E POP -	077

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0.01

units na

Conductity Conductity
conc. units
0.001 ds/M

Nitrate-N conc. 0.01

Nitrate-N units ppm ppm

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D: 055766a-45315 Print Date: 24-Jan-24 ttrol Report TC≣Q COC# 055766

	ppm		ppm		pom	-1	ppm	_	mqq	_	ppm	_	Ħ
	ppm	0.0312	ppm	0.2616	ppm	0.0733	ppm	0.2130	ppm	0.1405	ppm	0.0177	mit
1	Na units	Na conc.	S units	S conc.	Mg conc.	Mg conc.	Ca units	Ca conc.	K units	K conc.	P units	P conc.	
	Mehlich III	Mehlich III Mehlich III	Ö										
ppm	0.18	ppm	<0.001069	ppm	<0.0336	ppm	<0.106	ppm	<0.0840	ppm	<0.007702	blk212	
ppm	57.0	ppm	47.3	ppm	388.0	ppm	2440.0	ppm	375.0	ppm	55.0	IC Upper	Ť
ppm	33.0	ppm	28.3	ppm	304.0	ppm	1931.0	ppm	300.0	ppm	45.3	IC Lower	
ppm	0	ppm	0	ppm	0	ppm	0	ppm	0	ppm	0	Mean IC	<i>p</i> 1
ppm	49.3	ppm	36.1	ppm	366	ppm	2284	ppm	315	ppm	49.8	IC986	
ppm	52.2	ppm	35.9	ppm	359	ppm	2265	ppm	309	ppm	49.4	IC985	
Na units	Na conc.	Sunits	S conc.	Mg conc.	Mg conc.	Ca units	Ca conc.	Kunits	K conc.	P units	P conc.		
Mehlich III	Mehlich III	Mehlich III	Mehlich III	Mehlich III	Mehlich III	Mehlich III	Mehlich III	Mehlich III	Mehlich III	Mehlich III	Mehlich III		Ņ

Ö	Mehlich III	Mehlich III	Mehlich III	Mehlich III
	Extract Date	Extract Date Extract Tech	Anal.Date	Anal. Tech
	1/9/2024	FMR	1/10/2024	JLP
	1/9/2024	FMR	1/10/2024	JLP
	1/9/2024	FMR	1/10/2024	JLP

TOO KEDON		_	CITIC COCH	000/000			
TCEQ/client	PH		PH	Conductivity	Conductivity	Nitrate-N	Nate-N
Sample ID:			units		units		units
55766-01	7	7.73	N	0.272	M/Sp	2.615	ppm
55766-02	. 7	7.76	Z	0.071	dS/M	35.569	ppm

1150000		1000 OA
		ľ
Date		Sample ID:
pH Analysi	//Conductivity prep	TCEQ/client pl
வ	Date 1/5/2024	pH/Conductivity prep pH An  Date Tech Date  1/5/2024 DEC 1/5/2024

ᇍᆲ

0.01

units na

Conductivity Conductivity
units
0.001 dS/M
0.001 dS/M

0.01

Nitrate-N units ppm ppm

Nitrate-N

Ö

H

**Phone:** 806.677.0093 800.557.7509

Fax: 806.677.0329

ab No.: 3492	LABO	RATORY	ANALYSIS	REPORT	Repor	t Date: 06	/26/2024 0	9:15 pm
Send To: 6224	ENVIRO-AG E 3404 AIRWAY AMARILLO, T	BLVD	3 INC		0	m	Mei	in
						Am Data Revie	y Meier w Coordina	ator
Results For: Sample ID:	OKEE DAIRY SLURRY			Receive Sample Invoice No P.O.	d: 06/05/2 o: 425751	2024	GE	
					Total	content	Estimated a	
			Analysis (dry basis)	Analysis (as rec'd)	lbs per Acre-In	lbs per 1000 gal	first ye lbs per Acre-In 10	ibs per
NUTRIENTS					*			
Nitrogen								
Total Nitrog		%	6.562	0.105	14877			
Organic Ni		%	3.562	0.057	8076.2	5.1	66.9	
Ammonium		%	3.00	0.048	6801.0	4.3		
Nitrate+Nit	rite Nitrogen	%	< 0.0010	< 0.0010	0	<0.1	<0.1	<0
Major and Sec	ondary Nutrients							
Phosphoru	S	%	1.25	0.020				
Phosphoru	s as P2O5	%	2.875	0.046	6517.6	4.1	93.9	3.
Potassium		%	6.437	0.103				
Potassium	as K2O	%	7.75	0.124	17569	11.2	281.1	11,
OTHER PROPERT	IES	-						
Moisture		%		98.4				
Total Solids	3	%		1.6	226700	144		
Organ	nic Matter	%	62.5	1.0	141688	90		
Ash		%		0.6		54		
C:N Ratio		ratio		5.5				
Density		lbs/gal	512.5	8.2				

\* Assumes 52% of organic nitrogen available during first crop year after application. Assumes 100% of ammonium and

nitrate nitrogen available, but should be adjusted for potential field losses at application site.

# ENVIRO-AG ENGINEERING, INC.

Enviro-Ag Engineering, Inc. 3404 Airway Blvd, Amarillo, TX 79118 Tel. 806-353-6123 Fax 806-353-4132

#### MANURE CHAIN OF CUSTODY RECORD

Producer/Facility:	Okee Dairy
County:	Hamilton
Date Sampled:	6/5/2024
Date Shipped:	6/10/2024

Project Manager: Richard George

Sample Type	Sample ID	Number of Containers	Test Package	Proper Preservation	Matrix
Slurry	Slurry	1 349	2 EAE TX CO KS SLURRY	Y	SL
			EAST STATE		
		A SAME TO SERVE			A STATE
		ELEGATISTS	TO YOUR STREET		
		LESS CONTROL		TICLE DATES	
10-7-12-5-13-13-13-13-13-13-13-13-13-13-13-13-13-					
Brook Street		Text in	and the second		HE AND
F CRIMENT				2012/07/20	
			STATE OF STATE OF		

Relinquished By: Ref. Inter	nal COC	Relinquished By:	Lisa Postmus	Relinquished By:	
Company: EAE		Company:	EAE	Company:	ServiTech Lab
		Date/Time:	11/12	1.7/10.7	
		Received By:	00		



Phone: 806.677.0093

800.557.7509

Fax: 806.677.0329

ab No: 841	LABOR	RATORY	ANALYS	IS REPORT	Report Date: 1	1/13/2024 04:04 pn
<b>Send</b> To: 6224	ENVIRO-AG ENO 3404 AIRWAY B AMARILLO, TX	LVD	INC		ashleigh Ashleig	Jaugesen  Bigner
Client Name: Sample ID: Location	OKEE DAIRY RCS #2 HAMILTON COUNTY			Received: Sampled: Invoice No:	11/08/2024 10/29/2024 426892	
		Analysis	s results	lbs/acı	re-in	meq/L
NUTRIENTS						
Nitrogen						
Total Niti		13	ppm		3	0.9
Organic		9	ppm		2	0.6
	ım Nitrogen	4.3	ppm		1	0.3
	litrite Nitrogen	<0.20	ppm		0	0
	condary Nutrients					
Phospho		<10	ppm			
	rus as P2O5	<20	ppm		0	
Potassiui		30 40	ppm			0.8
Potassiui	Potassium as K2O		ppm		9	
THER PROPER	TIES					
Moisture	Moisture		%			
Total Soli	ds	99.9 <0.10	%		0	
	anic Matter	< 0.10	%		0	
Ash		< 0.10	%			
C:N Ratio		44.5	ratio			

# ENVIRO-AG ENGINEERING, INC. AMARILLO - STEPHENVILLE - ARTESIA Enviro-Ag Engineering, Inc.

Enviro-Ag Engineering, Inc. 3404 Airway Blvd,. Amarillo, TX 79118 Tel. 806-353-6123 Fax 806-353-4132

#### WASTEWATER CHAIN OF CUSTODY RECORD

Producer/Facility:

Okee Dairy

County:

Hamilton

Date Sampled:

10/29/2024

Date Shipped:

11/4/2024

Project Manager:	Richard George

Sample Type	Sample ID	Number of Containers	Test Package	Proper Preservation	Matrix
Wastewater	RC\$ #2	0841	EAE TX CO KS LAGOON	<b>Y</b>	ОТ

Relinquished By: Ref. I	nternal COC	Relinquished By:	Lisa Postmus	_Relinquished By:	
Company:	EAE	Company:	EAE	Company:	ServiTech Lab
		Date/Time:			
	ı	Received By:			

# 5.0 RECHARGE FEATURE CERTIFICATION

#### CERTIFICATION

I certify that potential Recharge Features in the form of artificial penetrations and natural features exist on property utilized under this application as defined in 30 TAC §321.32(50). The protective measures in the form of best management practices identified in this report, when implemented, are designed to avoid adverse impacts to these features and associated groundwater formations.

All information presented on this page and in the following supporting documents is true and accurate to the best of my knowledge.

NORMAN H. MULLIN

66107

CICENSED

WOMAN H. MULLIN

MORMAN H. MULL

7/3/25

Norman Mullin, P.E.

Enviro-Ag Engineering, Inc.

Firm #F-2507

#### 5.1 General

This recharge feature certification report was authorized by Mr. Oene Keuning representing Okee Dairy. The findings and recommendations contained herein were compiled by Ms. Jourdan Mullin and Mr. Norman Mullin, P.E., of Enviro-Ag Engineering, Inc., Amarillo, Texas.

# 5.2 Purpose of Report

Okee Dairy is applying for a major amendment of current TPDES #4108 under 30 TAC, Chapter 321, Subchapter B, Concentrated Animal Feeding Operations. The purpose of this report is to determine if the subject property has any natural or artificial features, either on or beneath the ground surface, which would provide a significant pathway for effluent or solids from the facility into the underlying aquifer. At a minimum, the records and/or maps of the following entities/agencies were reviewed to locate any artificial recharge features: A) Texas Railroad Commission, B) local water district, C) Texas Water Development Board, D) TCEQ, E) Natural Resource Conservation Service (NRCS), F) current land owners and G) onsite inspection. The TCEQ Regulatory Guidance RG-433 was followed to identify recharge features and recommend best management practices.

# 5.3 Property Under Evaluation

The property under evaluation consists of approximately 587 acres in Hamilton County, Texas.

# 5.4 Definition of Waste Production

The processes by which wastewater is produced at a dairy begins with the use of fresh water to clean manure from the milking parlor and equipment sanitization. Wastewater from the milking parlor is direct to settling pond #1 and then to RCS #1 and RCS #2 for storage and disposal through beneficial land application.

The second process of wastewater production involves the accumulation of manure solids in the open confinement lots. Rain falling on the open lots comes into contact with the manure layer and absorbs some of the excreted nutrients present in manure. The nutrient enriched runoff is considered wastewater, which flows by designed slopes from the open lots toward the settling ponds and into the RCSs.

Manure solids accumulated in the open confinement lots are collected at least annually and hauled off-site to farmland by a waste transporter. While in the open lots, manure becomes compacted and slowly permeable due to hoof action by the cattle. This compacted manure layer results in an increase of the overall runoff volume during rainfall events. Infiltration of nutrients downward through the manure layer into the underlying soils is considered minimal as a result of pen surface compaction (Sweeten, 1990).

# 5.5 Definition of Recharge Feature

TCEQ rules define a "Recharge Feature" as: "Those natural or artificial features either on or beneath the ground surface at the site under evaluation that provide or create a significant hydrologic connection between the ground surface and the underlying groundwater within an aquifer. Significant artificial features include, but are not limited to, wells and excavation or material pits. Significant natural hydrologic connections include, but are not limited to: faults, fractures, sinkholes or other macro pores that allow direct surface infiltration; a permeable or shallow soil material that overlies and aquifer; exposed geologic formations that are identified as an aquifer; or a water course bisecting an aquifer." (30 TAC §321.32(50))

The TCEQ Regulatory Guidance RG-433 further defines a "recharge feature" as: "A natural or artificial feature either on or beneath the ground surface that provides or creates a <u>significant</u> hydrologic connection (or pathway) between the ground surface and the underlying groundwater within an aquifer."

The guidance document also defines a "significant pathway" as: "A significant pathway between the land surface and the subsurface has the ability to transmit waste, wastewater, or precipitation mixed with waste to groundwater. The wastewater may impact the groundwater quality within an aquifer or migrate laterally to discharge as seeps that may impact surface water quality. Recharge features with significant pathways include geomorphologic, geologic, soil, and artificial features. Agricultural practices may also enhance existing recharge features."

#### **EVALUATION OF NATURAL FEATURES**

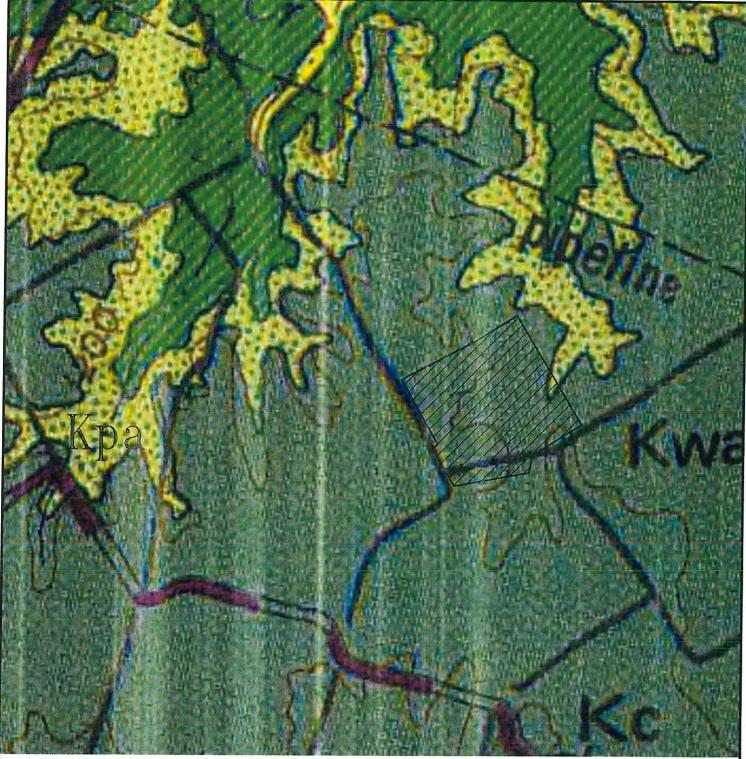
# 5.6 Geomorphologic/Geologic Features

The clay loam soils in this area of Hamilton County are immediately underlain by the Paluxy and Walnut Formations and by recently deposited Alluvium in the area of the North Bosque River, as shown in Figure 5.1, Geologic Atlas. Alluvium consists of floodplain deposits, including low terrace deposits near floodplain level and bedrock locally in stream channels; gravel, sand, silt, clay and organic matter up to 35 feet thick. The Paluxy Formation consists of sandstone interbedded with claystone and siltstone, up to 100 feet thick, thinning southward. The Glen Rose Formation of Cretaceous age consists of alternating limestone and claystone with some sandstone, up to 250 feet thick in the southeastern area of the formation. (Geologic Atlas, 1976).

The Walnut Formation comprises the beds of clay and nonchalky limestones at the base of the Fredericksburg division. They consist of alternations of calcareous laminated clays, weathering yellow on oxidation, semicrystalline limestone flags, and shell agglomerate, all of which grade upward without break into the more chalky beds of the Edwards limestone. In places they weather into rich black soils and make extensive agricultural belts (Hill, 1901).

Forming the upper unit of the Trinity Group, the Paluxy Formation consists of up to 400 feet of predominantly fine to coarse-grained sand interbedded with clay and shale. Underlying the Paluxy, the Glen Rose Formation forms a gulfward-thickening wedge of marine carbonates consisting primarily of limestone. Paluxy bedrock outcrops along the northeast portion of this site. Limiting application rates of wastewater and manure will protect this feature form adverse impacts.

The basal unit of the Trinity Group consists of the Twin Mountains and Travis Peak formations, which are laterally separated by a facies change. To the north, the Twin Mountains Formation consists mainly of medium-to coarse-grained sands, silty clays, and conglomerates (Ashworth, 1995).



Map Generated 6/16/2025

<u>Legend</u>:
Denotes Okee Dairy

Kwa - Cretaceous Walnut Formation Kpa - Cretaceous Paluxy Formation W E

No Scale

Source: Geologic Atlas of Texas, Brownwood Sheet, 1976.

Okee Dairy Hico, Texas Hamilton County Geologic Atlas of Texas Figure 5.1 Page 20 ENVIRO - AC ENGINEERING, INC. Enviro-Ag Engineering, Inc. ENGINEERING CONSULTANTS 3404 Airway Blvd. AMARILLO, TEXAS 79118 TEL (806) 353-6123 FAX (806) 353-4132

#### 5.6.1 Outcrops/Stream Interception

An inspection of the CAFO property and review of the USGS topographic map of the area shows two tributaries of Long Branch Creek located in LMUs #1, #3, #4, #5 and #7 and freshwater ponds located in LMUs #3 and #4. No land application is proposed in these areas and required buffer zones will be maintained.

#### 5.6.2 Excessive Slopes

No slopes of greater than 8 percent are present on the property.

#### 5.6.3 Other Large-Scale Conduits

No faults, fractured sediments, caves, sinkholes, solution cavities, vugs or concentrated or extensive animal burrowing was observed during an on-site visit, nor is identified on the geologic atlas, soil surveys or USGS maps.

#### 5.6.4 Surface Water

The "water in the state" designation is based on Enviro-Ag Engineering, Inc., site inspections, the permittee's knowledge of the property and the USDA-FSA aerial photograph (2025). The buffer zones and LMU boundaries in Figure 6.1 (Refer to Section 6) are submitted with this application for TCEQ approval.

#### 5.6.5 Aquifer

The Trinity aquifer consist of early Cretaceous age formations of the Trinity Group where they occur in a band extending through the central part of the state in all or parts of 55 counties, from the Red River in North Texas to the Hill Country of South-Central Texas.

Formations comprising the Trinity Group are (from youngest to oldest) the Paluxy, Glen Rose, and Twin Mountains-Travis peak. Updip, where the Glen Rose thins or is missing, the Paluxy and Twin Mountains coalesce to form the Antlers Formation. The Antlers consists of up to 900 feet of sand and gravel, with clay beds in the middle section. Water from the Antlers is mainly used for irrigation in the outcrop area of North and Central Texas (Ashworth and Hopkins, 1995).

The aquifer is underlain and confined by low-permeability rocks that range in age from Precambrian to Jurassic. Where the aquifer does not crop out, it is confined above by the Walnut Formation in most of the area.

Recharge to the Trinity aquifer is generally as precipitation that falls on aquifer outcrop areas and as seepage from streams and ponds where the head gradient is downward. In the Hill Country, water might flow laterally into the Trinity aquifer form the adjacent Edwards-Trinity aquifer. The aquifer discharges by evapotranspiration, spring discharges, diffuse lateral or upward leakage into shallower aquifers, and withdrawals from wells (USGS, 2003). Land application at agronomic rates and maintain permanent cover crops will protect the feature from adverse impacts associated with this operation.

#### 5.7 Soil Features

Soil mapping units included in this section for the production area and land application areas were taken from the electronic NRCS Soil Survey for Hamilton County. Soils descriptions are included in the supporting documentation and were obtained from the most current version of the NRCS electronic soil information database for Hamilton County available on the NRCS Web Soil Survey.

#### 5.7.1 Production Area

Soils underlying the pen and pond areas are predominately of the Brackett-Maloterre (BxD) and Slidell (SsB) series. The RCSs have been certified as meeting TCEQ guidelines for soil liner (30 TAC §321.38(g). Best management practices pertaining to surface drainage, surface compaction and manure management within the open lot confinement area will be followed. Steve Evans, Ph.D., soil physicist with the USDA Agricultural Research Service in Bushland, Texas, stated that his work with lysimeters and potential evapotranspiration indicated limited infiltration and even less deep percolation will occur on areas with sloped surfaces (1996). Work performed by the NRCS calculated the feedlot surface curve number (potential for runoff) as 90 on a scale of 100.

#### 5.7.2 Land Application Areas

Soils underlying the land application areas are primarily of the Brackett-Maloterre (BxD), Pidcoke (PkB), Slidell (SsB) and Topsey (ToC) series. The application of wastewater and/or manure will be performed at agronomic rates according to an approved NUP/NMP. No pooling or ponding is anticipated due to application through sprinklers.

Figure 5.2 shows the soils underlying the property as delineated from the electronic NRCS Soil Survey map for Hamilton County. The electronic version of the soil survey is considered the most current soils information available. Table 5.1 is a summary of the estimated physical properties of the soils in the subject area, obtained from the NRCS Web Soil Survey.

Table 5.1: Estimated Soil Properties

Soil Series (Map ID)	Slope (%)	HSG	Depth (in)	USDA Soil Texture	Permeability / Infiltration Rate (in/hr)	Available Water Capacity (in/in of soil)
Brackett (BxD)		С	0-4 4-14	Gravelly Clay Loam	0.6-2.0 0.6-2.0	0.11-0.16 0.08-0.16
Maloterre		D	0-5 5-80	Gravelly Clay Loam	0.06-2.0 0.6-2.0 0.06-0.6	0.11-0.13
Pidcoke – PkB	1-3	D	0-11 11-18 18-80	Gravelly Clay Loam	0.6-2.0 0.6-2.0 0.06-0.6	0.11-0.15 0.11-0.15
Slidell – SsB	1-3	D	0-19 19-32	Clay	.001-0.06	0.10-0.18 0.10-0.18

Topsey - ToC	1-5	C	0-12	Clay Loam	0.6-2.0	0.12-0.20
			12-18		0.6-2.0	0.10-0.20
			18-32		0.20-2.0	0.10-0.20
Krum – KrB	1-5	C	0-8	Silty Clay	0.06-0.20	0.13-0.20
			8-36		0.06-0.20	0.12-0.18
Nuff - NuC	2-6	C	0-5	Stony, Silty Clay	0.6-2.0	0.08-0.11
			5-13	Loam	0.20-0.6	0.07-0.11
			13-23		0.06-0.20	0.11-0.16
	le .		23-33		0.06-0.20	0.11-0.16
Oglesby - OgB	1-3	D	0-17	Gravelly Silty	0.06-0.20	0.10-0.15
			17-35	Clay	0.06-2.0	
Wise – WsC	3-5	C	0-5	Clay Loam	0.6-2.0	0.15-0.20
			5-11		0.6-2.0	0.15-0.24
			11-26		0.6-2.0	0.15-0.24

The major soil series within each LMU are identified in Table 5.2. All soils at the site that have been identified by NRCS as being at high risk for various limitations are presented in Table 5.3. Associated best management practices will be implemented, as appropriate, based on physical and economic conditions.

Table 5.2: Major Soil Types

LMU ID	Major Soil Type
1, 2, 4, 5, 6	Brackett-Maloterre (BxD)
3, 7	Topsey (ToC)

Table 5.3: Potential Soil Limitations for Land Application

Soil Series	Potential Soil Limitations	Best Management Practices		
BxD, OgB	Droughty Depth to Hard Bedrock Depth to Soft Bedrock	<ul> <li>Land Application not to exceed agronomic rates for nutrients and soil hydraulic rates (refer to NMP)</li> <li>Irrigation events will be managed to assist in maintaining soil moisture levels within the range of the available water holding capacity of that Land Management Unit.</li> <li>No land application to inundated soils</li> </ul>		
PkB	Droughty Depth to Bedrock	<ul> <li>Land Application will be based upon the AWC (refer to NMP) of the soil and will not exceed agronomic rates for nutrients.</li> <li>Irrigation events will be managed to assist in maintaining soil moisture levels within the range of the available water holding capacity of that Land Management Unit.</li> <li>No land application to inundated soils</li> </ul>		

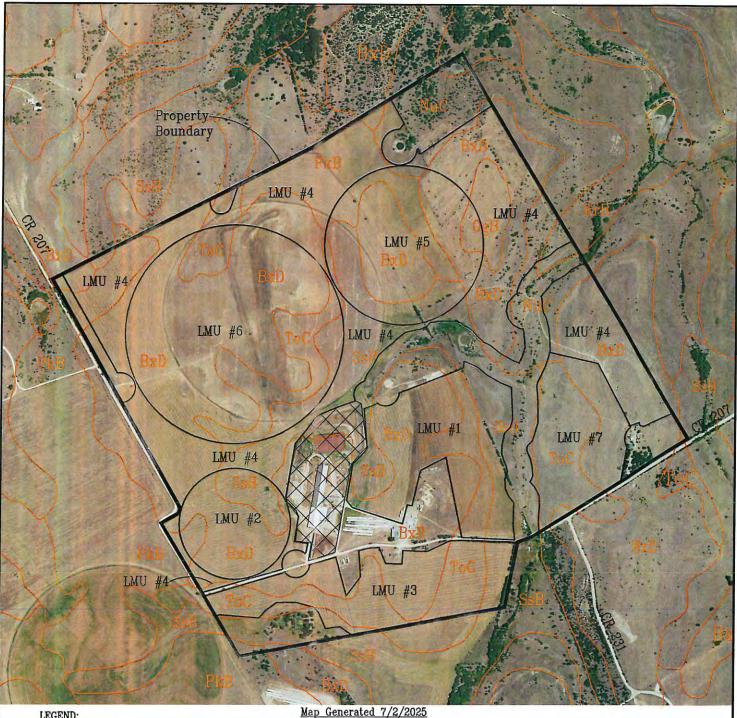
Soil Series	Potential Soil Limitations	Best Management Practices
KrB, SsB	Slow Water Movement	<ul> <li>Land Application will be based upon the AWC (refer to NMP) of the soil and will not exceed agronomic rotes for nutrients.</li> <li>No land application to inundated soils</li> </ul>
ToC, WsC	Depth to Soft Bedrock	<ul> <li>Land Application will be based upon the AWC (refer to NMP) of the soil and will not exceed agronomic rates for nutrients.</li> <li>Irrigation events will be managed to assist in maintaining soil moisture levels within the range of the available water holding capacity of that Land Management Unit.</li> <li>No land application to inundated soils</li> </ul>
NuC	Large Surface Stones Slow Water Movement	<ul> <li>Land Application will be based upon the AWC (refer to NMP) of the soil and will not exceed agronomic rates for nutrients.</li> <li>Irrigation events will be managed to assist in maintaining soil moisture levels within the range of the available water holding capacity of that Land Management Unit.</li> <li>No land application to inundated soils</li> </ul>

### 5.7.3 Erosion

Figure 5.2 shows the onsite soils classified by NRCS as Highly Erodible Land (HEL), including Pidcoke (PkB). LMUs will be protected with typical conservation farming practices within the standards of the NRCS. The following methods will be used to control/prevent erosion of exposed soils in the production area:

- Seeding/sprigging exposed areas with forage or cover crops,
- Constructing terraces or berms (shortening the length and steepness of slopes),
- Covering erosive areas with road surfacing materials,
- · Implementing reduced tillage practices,
- Maintaining a cover of plants or crop residue.

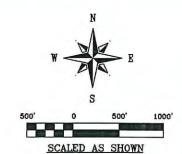
Major Amendment



LEGEND:

Denotes Production Area

For specifics on soils, refer to Table 5.1



Source: USDA-NRCS Soil Survey, Soil Survey Geographic Database for (Hamilton County, TX). Available at:

http://websoilsurvey.nrcs.usda.gov. Accessed July, 2017.

Okee Dairy Hico, Texas Hamilton County NRCS Soils Map Figure 5.2 Page 26



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#### ARTIFICIAL FEATURES

#### 5.8 Railroad Commission Records

A search of the RRC database files was performed and a search of the online RRC map viewer was conducted. No proposed locations or existing penetrations for oil and gas were identified on the subject property. Railroad Commission database information is included as an attachment to this document.

# 5.9 Ground Water Conservation District Records

There is no groundwater conservation district for Hamilton County; therefore, no data is available at this time. Should an abandoned penetration be encountered anywhere on the subject property at any time, the penetration will be marked, inspected and properly sealed to prevent a potential impact to the underlying aquifer. Appropriate well plugging reports shall be submitted as required to the Texas Department of Licensing and Regulation (TDLR) and will be maintained in the onsite PPP.

#### 5.10 GeoSearch

GeoSearch was not utilized in this application.

5.11 Texas Water Development Board Water Data Interactive (WDI) The TWDB WDI online database was reviewed for artificial penetrations. The database revealed water wells registered with the TWDB as being located on the subject property. The wells that could be correlated with onsite wells are shown on Table 5.4.

#### 5.12 Natural Resource Conservation Service

The historical NRCS Soil Survey of Hamilton County (2006) was reviewed for locations of potential recharge features. No potential recharge features were identified.

# 5.13 Other Artificial Features

Numerous features, such as irrigation tail water pits and stock ponds, exist on the subject property and are shown to be buffered on Figure 5.3. These areas shall be buffered during land application events or backfilled prior to the first land application event. The facility has one burial site designated on Figure 5.3 for the disposal of dead animals. The location of the burial site on the property meets NRCS soil recommendations for large animal mortality burial.

# 5.14 Previous/Current Landowner

Mr. Oene Keuning was contacted regarding then presence of any potential recharge features on the property. Mr. Keuning is considered the most knowledgeable about the property. The previous landowner could not be located. Mr. Keuning confirmed the locations of all active water wells.

# 5.15 Onsite Inspection

The property has been inspected both on the ground and by historical mapping. All active water wells were documented on the property during the onsite inspection and are shown on Figure 5.3. The BMPs for all wells are listed in Table 5.4. Should any open well or test hole be encountered, it will be marked, reported to the Engineer, included on Figure 5.3 and properly plugged (30 TAC §321.34(f)(3)(B)). Well plugging reports shall be submitted as required to the Texas Department of Licensing and Registration (Well Drillers Board) and will be maintained in the onsite PPP.

All well data listed in Table 5.4 is based on information received from the water district, TCEQ and TWDB files, onsite inspection, and interviews of persons knowledgeable of the property. The map number corresponds to the location shown in Figure 5.3. The well identification number corresponds to the database number or drilling report number used by the water district, TCEQ or TWDB Commission.

Table 5.4: Well Information

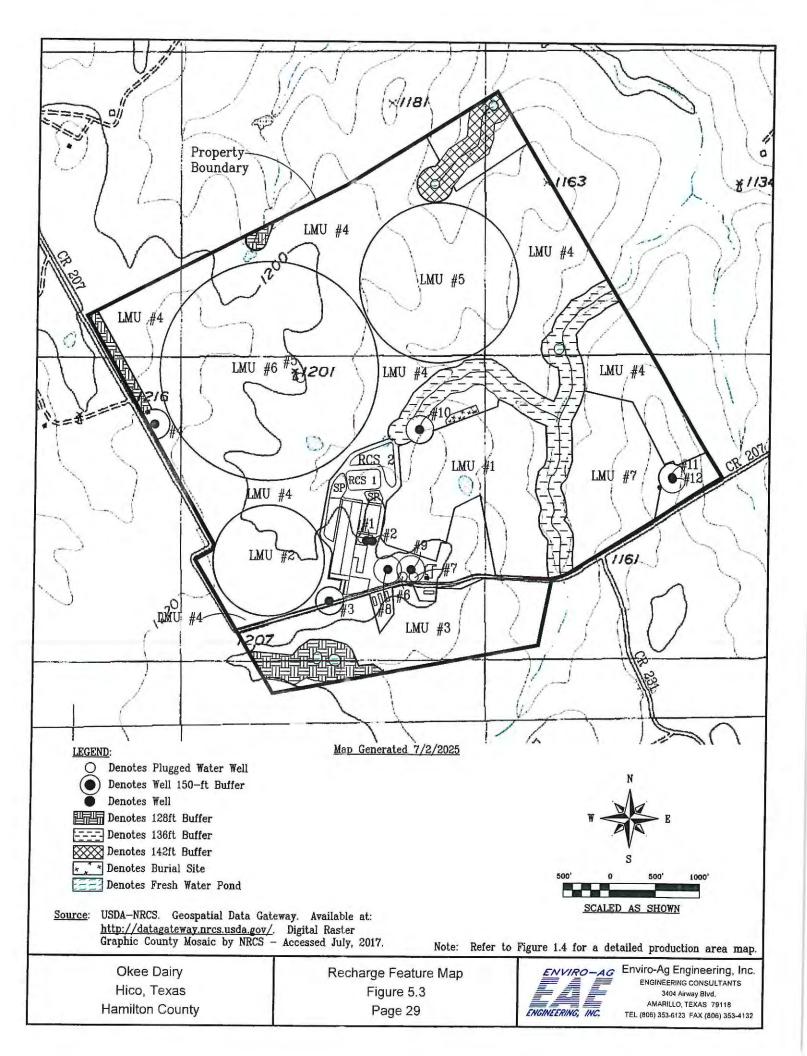
Map No.	Well ID	Best Management Practices						
1	N/A	See approved well variance.						
2	N/A	See approved well variance.						
3	N/A	Maintain 150-ft buffer						
4	N/A	Maintain 150-ft buffer						
5	N/A	See attached plugging report						
6	N/A	See attached plugging report						
7	N/A	See attached plugging report						
8	478079	Maintain 150-ft buffer						
9	N/A	Maintain 150-ft buffer						
10	627628	Maintain 150-ft buffer						
11	N/A	Maintain 150-ft buffer						
12	N/A	Maintain 150-ft buffer						

Note: A copy of the well logs for onsite wells are attached.

No public water supply wells are located within 500 feet of the property boundary. All offsite wells within the required buffer distances required by this authorization are shown (on the Site Map) with their appropriate buffers. Wells outside the required buffer distances are shown for reference only.

All irrigation systems or water distribution systems into which any type of chemical or foreign substance, such as wastewater, is distributed into the water pumped from the well are required by 16 TAC §76 to install an in-line, automatic quick-closing check valve capable of preventing pollution of groundwater.

Major Amendment



#### REFERENCES

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### **RUSLE2 Related Attributes**

This report summarizes those soil attributes used by the Revised Universal Soil Loss Equation Version 2 (RUSLE2) for the map units in the selected area. The report includes the map unit symbol, the component name, and the percent of the component in the map unit. Soil property data for each map unit component include the hydrologic soil group, erosion factor Kf for the surface horizon, erosion factor T, and the representative percentage of sand, silt, and clay in the mineral surface horizon. Missing surface data may indicate the presence of an organic layer.

# Report—RUSLE2 Related Attributes

Soil properties and interpretations for erosion runoff calculations. The surface mineral horizon properties are displayed or the first mineral horizon below an organic surface horizon. Organic horizons are not displayed.

	RUSL	E2 Relate	d Attributes-Hamilto	on County	, Texas			
Map symbol and soil name	Pct. of map unit	Slope	Hydrologic group	Kf	T factor	Representative value		
	map unit	(ft)				% Sand	% Silt	% Clay
BxD—Brackett-Maloterre complex, 2 to 12 percent slopes								
Brackett	55	161	D	.24	2	32.0	40.0	28.0
Maloterre	30	200	D	.28	1	31.0	39.0	30.0
KrB—Krum silty clay, cool, 1 to 5 percent slopes								
Krum, cool	85	200	C	.28	5	7.0	48.0	45.0
NuC—Nuff very stony silty clay loam, 2 to 6 percent slopes								
Nuff	85	180	С	.28	5	17.0	49.0	34.0
OgB—Oglesby gravelly silty clay, 1 to 3 percent slopes								
Oglesby	100	200	D	.28	1	7.2	47.8	45.0
PkB—Pidcoke gravelly clay loam, 1 to 3 percent slopes								
Pidcoke	85	200	D	.24	1	34.0	37.0	29.0
SsB—Slidell clay, 1 to 3 percent slopes								
Slidell	85	298	D	.17	5	22.0	28.0	50.0
ToC—Topsey clay loam, 1 to 5 percent slopes								
Topsey	85	200	С	.15	3	30.0	40.0	30.0

- VI-19	RUSL	E2 Relate	d Attributes-Hamilto	n Count	y, Texas			
Map symbol and soil name	Pct. of map unit	Slope	Slope Hydrologic group length (ft)	Kf	T factor	Representative value		
	The state of the s	_				% Sand	% Silt	% Clay
WsC—Wise clay loam, 3 to 5 percent slopes, moderately eroded								
Wise, moderately eroded	85	151	С	.32	3	29.0	43.0	28.0

#### **Data Source Information**

Soil Survey Area: Hamilton County, Texas Survey Area Data: Version 21, Aug 30, 2024

# Selected Soil Interpretations

This report allows the customer to produce a report showing the results of the soil interpretation(s) of his or her choice. It is useful when a standard report that displays the results of the selected interpretation(s) is not available.

When customers select this report, they are presented with a list of interpretations with results for the selected map units. The customer may select up to three interpretations to be presented in table format.

For a description of the particular interpretations and their criteria, use the "Selected Survey Area Interpretation Descriptions" report.

# Report—Selected Soil Interpretations

		Selected Soil Inter	pretatio	ns-Hamilton County, T	exas			
Map symbol and soil name	Pct. of	AWM - Irrigation Disposal of Wastewater		AWM - Land Applica Municipal Sewage S		ENG - Sewage Lagoons		
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	
BxD—Brackett- Maloterre complex, 2 to 12 percent slopes								
Brackett	55	Very limited		Very limited		Very limited		
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to soft bedrock	1.00	
		Droughty	1.00	Droughty	1.00	Slope	0.68	
		Seepage, porous bedrock	0.50			Seepage	0.50	
		Too steep for surface application	0.32					
Maloterre	30	Very limited		Very limited		Very limited		
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to hard bedrock	1.00	
		Droughty	1.00	Droughty	1.00	Slope	0.08	
The state of		Slow water movement	0.68	Slow water movement	0.68			
		Seepage, porous bedrock	0.50					
KrB—Krum silty clay, cool, 1 to 5 percent slopes								
Krum, cool	85	Very limited		Very limited		Somewhat limited		
		Slow water movement	1.00	Slow water movement	1.00	Slope	0.08	
		Seepage, porous bedrock	0.30					

		Selected Soil Inter	pretatio	ons-Hamilton County, T	exas			
Map symbol and soil name	Pct. of	AWM - Irrigation Disp Wastewater	osal of	AWM - Land Applica Municipal Sewage S		ENG - Sewage Lagoons		
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	
NuC—Nuff very stony silty clay loam, 2 to 6 percent slopes								
Nuff	85	Very limited		Very limited	-	Very limited		
		Large stones on the surface	1.00	Large stones on the surface	1.00	Large stones	1.00	
		Slow water movement	1.00	Slow water movement	1.00	Slope	0.32	
		Too steep for surface application	0.08					
OgB—Oglesby gravelly silty clay, 1 to 3 percent slopes								
Oglesby	100	Very limited		Very limited	-	Very limited		
		Droughty	1.00	Droughty	1.00	Depth to hard bedrock	1.00	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Seepage	0.21	
		Slow water movement	1.00	Slow water movement	1.00			
PkB—Pidcoke gravelly clay loam, 1 to 3 percent slopes								
Pidcoke	85	Very limited		Very limited		Very limited		
		Droughty	1.00	Droughty	1.00	Depth to hard bedrock	1.00	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Seepage	0.50	
		Slow water movement	0.68	Slow water movement	0.68	and the		
		Seepage, porous bedrock	0.50					
SsB—Slidell clay, 1 to 3 percent slopes								
Slidell	85	Very limited		Very limited		Not limited		
		Slow water movement	1.00	Slow water movement	1.00			
ToC—Topsey clay loam, 1 to 5 percent slopes								
Topsey	85	Somewhat limited		Somewhat limited		Very limited		
		Droughty	0.40	Droughty	0.40	Depth to soft bedrock	1.00	
		Slow water movement	0.37	Slow water movement	0.37	Seepage	0.50	
		Depth to bedrock	0.29	Depth to bedrock	0.29	Slope	0.08	
				Shallow to densic materials	0.29			

		Selected Soil Inte	rpretatio	ns-Hamilton County, T	exas		
Map symbol and soil name	Pct. of map unit	AWM - Irrigation Disposal of Wastewater		AWM - Land Applica Municipal Sewage S		ENG - Sewage Lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WsC—Wise clay loam, 3 to 5 percent slopes, moderately eroded							
Wise, moderately eroded	85	Somewhat limited		Somewhat limited		Very limited	
		Depth to bedrock	0.80	Depth to bedrock	0.80	Depth to soft bedrock	1.00
		Droughty	0.17	Shallow to densic materials	0.79	Seepage	0.50
		Too steep for surface application	0.08	Droughty	0.17	Slope	0,32

### **Data Source Information**

Soil Survey Area: Hamilton County, Texas Survey Area Data: Version 21, Aug 30, 2024

# **Physical Soil Properties**

This table shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Sand as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In this table, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Silt as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In this table, the estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, saturated hydraulic conductivity (Ksat), plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3- or 1/10-bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute linear extensibility, shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates in the table are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity (Ksat) is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. The amount and type of clay minerals in the soil influence volume change.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In this table, the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter. The content of organic matter in a soil can be maintained by returning crop residue to the soil.

Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Erosion factors are shown in the table as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and Ksat. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

*Erosion factor Kw* indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

*Erosion factor Kf* indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

*Erosion factor T* is an estimate of the maximum average annual rate of soil erosion by wind and/or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are described in the "National Soil Survey Handbook."

Wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

#### Reference:

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. (http://soils.usda.gov)

# Report—Physical Soil Properties

					Physica	I Soil Properties	-Hamilton Co	unty, Texas							
Map symbol and soil name	Depth	Sand	Silt		bulk	Saturated hydraulic	Available Linear water extensibility	water ext	aulic water		Organic matter	5,797.1		Wind erodibility	Wind erodibility
		-			density	conductivity	capacity		7	Kw	Kf	Т	group	index	
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/In	Pct	Pct						
BxD—Brackett- Maloterre complex, 2 to 12 percent slopes															
Brackett	0-4	20-32- 45	20-40- 53	27-28- 35	1.25-1.40	4.00-14.00	0.11-0.16	2.1-5.4	1.0-3.0	.24	.24	2	4L	86	
	4-14	20-35-45	20-40-53	20-25- 35	1.40-1.46	4.00-14.00	0.08-0.16	0.5-5.1	0.5-2.0	.32	.32				
	14-60	-	-	-	-	0.42-14.00	-	-	-						
Maloterre	0-5	22-31-42	26-39- 50	28-30- 34	1.36-1.47	4.00-14.00	0.11-0.13	2.4-4.3	0.5-1.0	.15	.28	1	5	56	
	5-80	_	_	-	- 1	0.42-4.00	_	_	_						
KrB—Krum silty clay, cool, 1 to 5 percent slopes															
Krum, cool	0-8	2- 7- 15	40-48- 58	40-45- 55	1.00-1.40	0.42-1.40	0.13-0.20	5.5-13.6	1.0-5.0	.28	.28	5	4	86	
	8-36	2- 5- 33	25-45- 58	40-50-60	1.15-1.45	0.42-1.40	0.12-0.18	4.8-12.5	1.0-4.0	.24	.24				
	36-48	2-5-33	25-45- 58	40-50- 60	1.15-1.50	0.42-1.40	0.12-0.18	4.5-10.8	0.1-2.0	.28	.28				
	48-80	2- 5- 33	25-48- 63	35-47- 60	1.30-1.55	0.42-4.00	0.07-0.18	3.1-10.2	0.1-1.0	.32	.32	1			

					Physica	I Soil Properties	-Hamilton Co	unty, Texas						
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk		Linear extensibility	Organic matter	Erosion factors			Wind erodibility	Wind erodibility	
					density	conductivity	capacity		-	Kw	Kf	Т	group	index
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/In	Pct	Pct					
NuC—Nuff very stony silty clay loam, 2 to 6 percent slopes														
Nuff	0-5	10-17- 20	40-49- 59	27-34- 40	1.28-1.39	4.00-14.00	0.08-0.11	1.6-4.7	2.0-4.0	.10	.28	5	6	48
	5-13	10-19- 20	40-45- 59	27-36- 40	1.29-1.43	1.40-4.00	0.07-0.11	1.6-4.5	1.5-2.5	.10	.32			
	13-23	1- 6- 11	40-48- 59	40-46- 59	1.41-1.44	0.42-1.40	0.11-0.16	4.7-10.3	0.5-1.0	.32	.32			
	23-33	1-6-11	40-48- 59	40-46- 59	1.41-1.44	0.42-1.40	0.11-0.16	4.7-10.3	0.5-1.0	.32	.32			
	33-80	21-26- 31	10-29- 39	40-45- 60	1.31-1.45	0.42-1.40	0.12-0.18	5.3-10.2	0.3-0.8	.24	.24			
OgB—Oglesby gravelly silty clay, 1 to 3 percent slopes														
Oglesby	0-17	- 7-	-48-	40-45- 50	1.25-1.45	0.42-1.40	0.10-0.15	6.0-8.9	1.0-3.0	.15	.28	1	5	56
	17-35	-	-	-	-	0.42-14.00	_	-	_					
PkB—Pidcoke gravelly clay loam, 1 to 3 percent slopes														
Pidcoke	0-11	22-34- 44	22-37- 50	28-29- 35	1.28-1.39	4.00-14.00	0.11-0.15	2.6-5.8	1.0-3.0	.17	.24	1	5	56
	11-18	5-34- 44	21-37-60	28-29- 35	1.37-1.52	4.00-14.00	0.11-0.15	2.0-5.5	0.5-1.0	.24	.32			
	18-80	_	_	_	_	0.42-4.00	_	_	_					

					Physica	I Soil Properties	-Hamilton Co	unty, Texas						
Map symbol and soil name	Depth	Sand	Silt	bulk hydraulic water extensibility	Organic matter		Erosion factors		Wind erodibility	Wind erodibility				
					density	conductivity	capacity			Kw	Kf	Т	group	index
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/In	Pct	Pct					
SsB—Slidell clay, 1 to 3 percent slopes														
Slidell	0-19	0-22- 35	20-28- 40	40-50- 60	1.10-1.45	0.01-0.42	0.10-0.18	7.0-16.0	1.0-4.0	.17	.17	5	4	86
	19-32	0-22-35	20-28- 60	40-50- 60	1.10-1.45	0.01-0.42	0.10-0.18	6.6-17.0	1.0-3.0	.24	.24			
	32-49	0-22-35	20-28- 60	40-50- 60	1.20-1.55	0.01-0.42	0.10-0.18	4.9-13.0	0.1-1.0	.24	.24			
	49-80	0-22-35	20-28- 60	40-50- 60	1.20-1.55	0.01-0.42	0.10-0.18	4.9-10.8	0.1-1.0	.24	.24			
ToC—Topsey clay loam, 1 to 5 percent slopes														
Topsey	0-12	20-30- 45	24-40- 53	27-30- 35	1.32-1.50	4.00-14.00	0.12-0.20	1.1-4.5	2.0-5.0	.15	.15	3	4L	86
	12-18	10-30- 45	20-40-65	20-30- 35	1.32-1.50	4.00-14.00	0.10-0.20	0.3-4.5	1.0-3.0	.28	.28			
	18-32	10-30- 45	20-40- 68	20-30- 40	1.50-1.65	1.40-14.00	0.10-0.20	0.3-5.4	1.0-2.0	.32	.32			
	32-80	5-15-30	24-47-65	30-38- 50	1.65-1.90	1.40-4.00	0.02-0.10	0.6-5.9	0.5-1.0	.32	.32	1		
WsC—Wise clay loam, 3 to 5 percent slopes, moderately eroded														
Wise, moderately eroded	0-5	20-29- 45	26-43- 53	27-28- 35	1.30-1.46	4.00-14.00	0.15-0.20	3.0-4.3	0.5-2.0	.32	.32	3	4L	86
	5-11	15-32- 50	15-40- 68	15-28- 35	1.41-1.46	4.00-14.00	0.15-0.24	1.3-3.8	0.5-1.0	.37	.37			
	11-26	15-32- 50	15-40- 68	15-28- 35	1.36-1.58	4.00-14.00	0.15-0.24	1.3-3.7	0.2-0.5	.43	.43			
	26-80	15-30- 80	5-50-83	2-20- 35	1.66-1.75	1.40-14.00	0.01-0.14	0.0-4.3	0.1-0.5	.55	.55			

# **Data Source Information**

Soil Survey Area: Hamilton County, Texas Survey Area Data: Version 21, Aug 30, 2024 Okee Dairy - 5/2025



# Texas Water Development Board

Plugging Reports

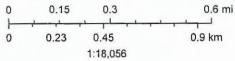


TWDB Groundwater



Well Reports





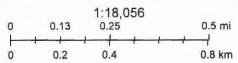
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

May 7, 2025

The data in Water Data Interactive represents the best available information provided by the TWDB and third-party cooperators of the TWDB. The TWDB provides information via this web site as a public service. Neither the State of Texas nor the TWDB assumes any legal liability or responsibility or makes any guarantees or warranties as to the accuracy, completeness or suitability of the information for any particular purpose. The TWDB systematically revises or removes data discovered to be incorrect. If you find inaccurate information or have questions, please contact



June 18, 2025



Maxar

#### Public GIS Viewer Legend

	r abile dis	AIGMEI	Legenu
	ell Number	170	Water Supply from Oil / Gas
٥		No	Observation
We	all Locations	To.	Observation from Oil
0	Permitted Location  Dry Hole	1000	Observation from Gas
•		**	Observation from Oil / Gas
xx	Gas	0	Storage
	Oil / Gas	-0	Service
	Plugged Oil	100	Service from Oil
1	Plugged Gas	***	Service from Gas
Ö	Canceled / Abandoned Location	-	Service from Oil / Gas
	Plugged Oil / Gas	(0)	Storage from Oil / Gas
6	Injection / Disposal	(2)	Injection / Disposal from Storage
ø	Core Test	•	Injection / Disposal from Storage / Oil
Ø	Sulfur Test	(FA	Injection / Disposal from Storage /
1	Storage from Oil		Gas
0	Storage from Gas	(4)	Injection / Disposal from Storage / Oil / Gas
9	Shut-In Oll	r©	Observation from Storage
Q	Shut-In Gas	10	Observation from Storage / Oil
	Injection / Disposal from Oil	PAR	Observation from Storage / Gas
N.	Injection / Disposal from Gas	14 (m)	Observation from Storage / Oil /
*	Injection / Disposal from Oil / Gas		Gas
0	Geothermal	**©	Service from Storage
110	Brine Mining	(C)	Service from Storage / Oil
e'n	Water Supply	420	Service from Storage / Gas
	Water Supply from Oil		Service from Storage / Oil / Gas
•-ф		(4)	Plugged Storage
4	The state of the s	•	Plugged Storage / Oil

Page 1 of 3

#### **Public GIS Viewer Legend**

	T done dis	Viewer Legend
9	Plugged Storage / Gas	Storage / Brine Mining / Oil
(4)	Plugged Storage Oil / Gas	Storage / Brine Mining / Gas
100	Brine Mining	Storage / Brine Mining / Oil / Gas
50	Brine Mining / Oil	Injection / Disposal from Storage /
中	Brine Mining / Gas	Brine Mining
Term	Brine Mining / Oil / Gas	Injection / Disposal from Storage / Brine Mining / Oil
(F)	Injection / Disposal from Brine Mining	Injection / Disposal from Storage / Brine Mining / Gas
4	Injection / Disposal from Brine Mining / Oil	Injection / Disposal from Storage / Brine Mining / Oil / Gas
· ST	Injection / Disposal from Brine Mining / Gas	Observation from Storage / Brine Mining
1/4	Injection / Disposal from Brine Mining / Oil / Gas	Observation from Storage / Brine Mining / Dil
10	Observation from Brine Mining	Observation from Storage / Brine Mining / Gas
25	Observation from Brine Mining / Oil	Observation from Storage / Brine Mining / Oil / Gas
in't	Observation from Brine Mining / Gas	Plugged Storage / Brine Mining
204	Observation from Brine Mining / Oil / Gas	Plugged Storage / Brine Mining / Oil
20	Service from Brine Mining	Plugged Storage / Brine Mining /
27.	Service from Brine Mining / Oil	and the state of the state of the state of
沙	Service from Brine Mining / Gas	Plugged Storage / Brine Mining / Oil / Gas
201	Service from Brine Mining / Oil / Gas	Orphan Wells
up	Plugged Brine Mining	Commercial Disposal
116	Plugged Brine Mining / Oil	•
1-77	Plugged Brine Mining / Gas	Injection/Disposal
tis	Plugged Brine Mining / Oil / Gas	
a (i)	Storage / Brine Mining	HCTS Deeper than 15,000 ft.

Page 2 of 3

#### Public GIS Viewer Legend

High Cost Tight Sands	
	Alert Areas
EOR H13 Oil Wells	
and the second	Water
Well Logs	-
•	City Limits
Horiz/Dir Surface Locations	
△ Horizontal Well	Counties
Oirectional Well	
Horizontal/Directional Lines	Operator Cleanup Program Sites
	Active
LPGAS Sites	△ Closed
©	Voluntary Cleanup Program Sites
QPipelines	<ul> <li>VCP, Accepted</li> </ul>
_	VCP, Closed
Pipelines	Brownfield Response Program Sites
_	* Brownfield, Accepted
Bay Tracts	☆ Brownfield, Closed
	a brownied, closed
Offshore Areas	Commercial Waste Disposal Sites & Discharge Permits
Offshore Tracts	Commercial Waste Disposal
	Discharge Permits
Water Lines	and the later was a second and
_	Oil and Gas Districts
Subdivisions	
_	AED Districts
Railroads	
-	Pipeline Safety Regions
Surveys	u
Quads	

- runoff during the design rainfall event, the manure or sludge areas must be located within the drainage area of a RCS and accounted for in the design calculations of the RCS.
- (3) Manure or sludge stored for more than thirty (30) days must be stored within the drainage area of a RCS or stored in a manner (i.e. storage shed, bermed area, tarp covered area, etc.) that otherwise prevents contaminated storm water runoff from leaving the storage area. All storage sites and structures located outside the drainage area shall be designated on the site map.
- (4) Temporary storage of manure or sludge shall not exceed thirty (30) days and is allowed only in a LMU or a RCS drainage area.

  Temporary storage of manure and sludge, near water courses or near recharge features is prohibited unless protected by berms or other structures to prevent inundation or damage that may occur.
- (e) Composting. Composting on-site is prohibited on this CAFO unless this permit is amended to include composting requirements.
- 7. Site Specific Conservation Practice.
  - (a) Well Protection Requirements
    - (1) The permittee shall not locate or operate a new RCS, holding pen, or LMU within the following buffer zones:
      - (i) public water supply wells 500 feet;
      - (ii) wells used exclusively for private water supply 150 feet; or
    - (iii) wells used exclusively for agriculture irrigation 100 feet.(2) Irrigation of wastewater directly over a well head will require a
    - (2) Irrigation of wastewater directly over a well head will require a structure protective of the wellhead that will prevent contact from irrigated wastewater.
    - (3) Construction of any new water wells must be done by a licensed water well driller.
    - (4) All abandoned and unuseable wells shall be plugged according to 16 TAC §76.104.
    - (5) The permittee may continue the operation and use of any existing holding pens and RCSs located within the required well buffer zones provided they are in accordance with the facility's approved recharge feature evaluation and certification. Buffer zone variance documentation must be kept on-site and made available to TCEQ personnel upon request. Well Buffer Exception requests for Wells #1 and #2 were submitted to and approved by the TCEQ Water Quality Assessment Team. Permittee shall implement the requirements of the Well Buffer Exceptions approval by TCEQ. Table 3 below shows the status of all wells on the facility and the best management practices (BMPs) used to protect them.

Table 3: Well Status and Best Management Practices

Well Number*	Status	BMPs			
1	Producing	Steel sleeve, concrete surface slab			
2	Producing	Steel sleeve, concrete surface slab			
3	Producing	Maintain 150 ft buffer			
4**	Producing	Maintain 150 ft buffer			

# 9>> 12544453252 Texas Department of Licease and Regulation When the Department history Program

This form must be completed

Jewel Alt 299 CR 4135 Canton Tx    Name   Location   Physical Address   Company   State   2	deportment Mowing the vell.
Name   Jewel Alt   Address   299 CR 4135   Canton   Tx	
A   Type of West   May Nate   Monttor   Injection   De Watering   State   2	rp .
Hamilton   County Road 207   Lat.   Lat.   Lat.   County Road 207   Lat.	75103
Hamilton   County Road 207   Last   Grist #     Order of Well No.   Last   Last   Grist #     Order of Well No.   Last   Last   Last   Grist #     Order of Well No.   Last   Grist #     Order of Well No.   Last   Grist   Manufact   Grist   Gri	
A) Type of Weil 20 Water U Monitor U Injection U De-Watering 5)  Drill, Pamp breadler, or Landoverer performing the plugging operations award locate and whentify the location of the well within a specific grad on a full state gridded map remitted town from Nomeal Resource Information Service. The location of the well should be denoted within the grid by blacking a correctponding dat in the square to the right. The legal decay print is optional.  B) EINTORICAL DATA ON WELL TO BE PLUGGED (If available)  1) Driller Unknown License No.  C) Driller Unknown 8) Diameter of hole 2 Inches 9) Total depth of well 45 feet.  C CURRENT PLUGGING DATA  O) Date well plugged 07 25 05  1) REMOVE ALL REMOVE ABLE Please check box beside the method of plugging License No.  1) Driller/Pump Installer or Well Owner performing the plugging License No.  1) CASSOC INCOMPRENTING MATA WELSTVETO TREFLOCOMED TRAITORS  CARROLLET IN WELL  LEASE SHOCK LEFT IN WELL  LATE TO (feet) SACKS  Date of Concrete Data and the statements herein are true and neters and that failure to complete items 1 through 13 will result in the report(s) being returned for completion and resubmitted impany or individual's Name (type or print)	ip 
Drill, Pump totalier, or Landoverer perfectioning the phaguing operations award toeste and cheatify the location of the well within a specific grad on a full state gridded may statisfied from Texas Named Resource Information Service. The location of the well should be denoted within the grid by blacing a corresponding dat in the require to the right. The legal description is optional.  **B) HISTORICAL DATA ON WELL TO BE PLUGGED (If available)  B) Driller  Unknown  License No.  C. CURRENT PLUGGING DATA  O) Date well plugged  O7 25 05  2) Name of Driller/Pump Installer or Well Owner performing the plugging  J. Att  Tremmie pipe cement from bottom to cashed the first plugging plugging to the plugging operation concerned was a facility to the well filled with clays when stand well is less than 100 feet depth, cement well selected the part of the plugging operation concerned to part of the common of the well filled with clays ment on the property of the common of the well with the property of the well with the prope	
Driller  Unknown  License No.  C. CURRENT PLUCGING DATA  I) Date well plugged  Of 25 ' 05  I) Name of Driller/Pump Installer or Well Owner performing the plugging  I. Att  Tremmic pipe coment from bottom to  CASING LEFT IN WELL  LAME FERGING AND CONTREPLUCGING DEPARTMENT  CASING LEFT IN WELL  Pour in 3/8 bentonite chips when stand well is less than 100 feet depth, cemen land well is less than 100 feet depth land w	N
O) Drilled   Inknown   B) Diameter of hole   2   Inches   9) Total depth of well   45   Get.    C. CURRENT PLUCGING DATA   11) REMOVE ALL REMOVEABLE   Please check box beside the method of plugging   1. Att   Tremmic pipe cement from bottom to    I. Att   Tremmic pipe cement from bottom to    CASENG LEFT IN WELL   Pour in 3/8 bentonite from bottom    CASENG LEFT IN WELL   Pour in 3/8 bentonite chips when stand   well is less than 100 feet depth, cemen   Large diameter well filled with clay m    CEMENTIAL PRONTE PLUG(SYPLACES IN WELL   PROM (Get)   TO (feet)   SACKS    D. 2 ft   Concrete   partial   2-43   bentonite   3    D. VALIDATION OF INFORMATION INCLUDED IN FORM    D. VALIDATION OF INFORMATION POUR (S) being returned for completion and resubmitted mapany or individual's Name (type or print)   lowel   Alt    Lowel	
C. CURRENT PLUGGING DATA  11) REMOVE ALL REMOVEABLE  12) Name of Driller/Pump Installer or Well Owner performing the plugging  1. Att  12) Please check box beside the method of plugging  1. Att  13. Tremmic pipe cement from bottom to  14. Tremmic pipe bentonite from bottom to  15. Tremmic pipe bentonite from bottom to  16. Tremmic pipe bentonite from bottom from surface, cement top 2 feet.  16. Pour in 3/8 bentonite chips when stand well is less than 100 feet depth, cement well is less than 100 feet depth, cement large diameter well filled with clay method to bottom.  16. Tremmic pipe bentonite from bottom to  17. Tremmic pipe bentonite from bottom to  18. Tremmic pipe bentonite from bottom to from surface, cement top 2 feet.  19. Pour in 3/8 bentonite chips when stand well is less than 100 feet depth, cement large diameter well filled with clay method to bottom.  18. Tremmic pipe cement from bottom to from surface, cement top 2 feet.  19. Pour in 3/8 bentonite chips when stand well is less than 100 feet depth, cement large diameter well filled with clay method to bottom.  18. Tremmic pipe cement from bottom to from surface, cement from bottom to the list stand to filled with clay method to bottom.  18. Tremmic pipe bentonite from bottom to from surface, cement from bottom to the large diameter well filled with clay method to bottom.  18. Tremmic pipe cement from bottom to the method of plugging in the plugged and the method of plugging in the plugged that the plugged this well in the report of the well was plugged under my supervision) and that all of the statements herein are true and inderstand that failure to complete items 1 through 13 will result in the report(s) being returned for completion and resubmitted in the report of the well was plugged under my supervision) and that all of the statements herein are true and inderstand that failure to complete items 1 through 13 will result in the report(s) being returned for completion and resubmitted in the report of the well was plugged under my supervision) a	, u
11) REMOVE ALL REMOVEABLE Please check box beside the method of plugging  1. Att  Trenmic pipe cement from bottom to  Tremmic pipe bentonite from bottom to  Tremmic pipe bentonite from bottom to  Tremmic pipe bentonite from bottom  From surface, cement top 2 feet.  Pour in 3/8 bentonite chips when stand  well is less than 100 feet depth, cemen  Large diameter well filled with clay m  top to bottom.  TO (feet)  SACKS  D-2 ft concrete  2-43 bentonite  D. VALIDATION OF INFORMATION INCLUDED IN FORM  entify that I plugged this well (or the well was plugged under my supervision) and that all of the statements herein are true and understand that failure to complete items I through 13 will result in the report(s) being returned for completion and resubmittee manary or individual's Name (type or print)	207
1) Date well plugged 07 25 05  2) Name of Driller/Pump Installer or Well Owner performing the plugging J. Att Trenmic pipe sement from bottom to icense No.  1) Trenmic pipe sement from bottom to From surface, cement top 2 feet.  1) Pour in 3/8 bentonite chips when stand well is less than 100 feet depth, cement well is less than 100 feet depth, cement top to bottom.  1) Trenmic pipe bentonite from bottom from surface, cement top 2 feet.  2) Pour in 3/8 bentonite chips when stand well is less than 100 feet depth, cement top to bottom.  1) To feet SACKS  1) PROM (Best)  1) To feet SACKS  1) Promice pipe sement from bottom to from surface, cement top 2 feet.  2) Pour in 3/8 bentonite chips when stand well is less than 100 feet depth, cement top to bottom.  1) Large diameter well filled with clay metally top to bottom.  1) To feet SACKS  1) PROM (Best)  1) Prom surface, cement from bottom to the state of the state o	
FROM (feet)  TO (feet)  SACKS  D=2 ft concrete  partial  2-43 bentonite  3  D. VALIDATION OF INFORMATION INCLUDED IN FORM  crtify that I plugged this well (or the well was plugged under my supervision) and that all of the statements herein are true and inderstand that failure to complete items I through 13 will result in the report(s) being returned for completion and resubmitted impany or individual's Name (type or print)  Jawe 1 41+	to 2 feet fro ling water in top 2 feet.
2-43 bentonite  D. VALIDATION OF INFORMATION INCLUDED IN FORM  Of the statements herein are true and inderstand that follows to complete items 1 through 13 will result in the report(s) being returned for completion and resubmitted impany or individual's Name (type or print)	1 1100
2-43 bentonite 3  D. VALIDATION OF INFORMATION INCLUDED IN FORM  critify that I plugged this well (or the well was plugged under my supervision) and that all of the statements herein are true and inderstand that failure to complete items 1 through 13 will result in the report(s) being returned for completion and resubmitted impany or individual's Name (type or print)	a same lister of
D. VALIDATION OF INFORMATION INCLUDED IN FORM  Stiffy that I plugged this well (or the well was plugged under my supervision) and that all of the statements herein are true and iderstand that failure to complete items 1 through 13 will result in the report(s) being returned for completion and resubmitted impany or individual's Name (type or print)	
ertify that I plugged this well (or the well was plugged under my supervision) and that all of the statements herein are true and inderstand that failure to complete items 1 through 13 will result in the report(s) being returned for completion and resubmitted impany or individual's Name (type or print)	
mpany or individual's Name (type or print)	correct,
	L 
dress 299 CR 4135 City Canton State Zip	78103
dress 299 CR 4135 City Canton State Zip  City Canton State Zip  Licendari Deliberaturing Macaller Date Appropriate Date  Description of the Control of the C	40

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# Texas Department of License and Regulation

This form must be completed

		er well a heeregestalen i	within	led with the department is 30 days following the ing of the well
* * 12 1 1	A. WELL WENTIFICA	ING REPORT	N DATA	
LLOWNER	IL WATER CONTRACTOR	TOTAL DE CONTROL		
Name	Address	City	State	Zip
Jewel Alt	299 CR 4135	Canton	Tx.	75103
2) WELL LOCATION				
County Hamilton	Physical Mary Road 207	Cay	Snate	Zıp
3) Owner's Well No.	Long.   Monitor   1	njection U De-Well	Grid #	5) N
Orill, Pump Installer, or Landowner perform n full scrile gridded map mailable from Texa placing a corresponding dot in the squire to	s Natural Resource Information Service the right. The legal description is optic	. The location of the well show rivi.	ld be denoted within the grid by	
8)	ABSTORICAL DATA ON V	VILL TO BEPLUGGE	D (Ifavallable)	
6) Driller Unknown Dr	iller	License No.		
7) Drilled Unknown /	1) Diameter of hole 4 inch	les Inches 95 total 96	worldht at AD .	302
icense No.  Conse and Conserved Bara Maran  CAR ING LIET  STANTE FER (Inches)	J.A1t	Tree  Tree  Fro  Pour  well  Larg	mmic pipe cement from b mmic pipe bentonite from m surface, cement top 2 for in 3/8 bentonite chips wi is less than 100 feet dept ge dlameter well filled wit to bottom.	n bottom to 2 feet front, bet, hen standing water h, cement top 2 feet
CEMERATORITEP	Lug(6) Places in well			
FROM (fice) T	O (feet) SACE	S		
0-2 feet concr	ote - partial sack			
2-40 feet b	entonite 5			
	. VALIDATION OF INFOR	MATION INCLUDED I	N FORM	
ertify that I plugged this well (or the	e well was plugged under my s tems I through 13 will result in	upervision) and that all of the report(s) being return	f the statements herein are ted for completion and re-	true and correct.
ropany or individual's Name (type	or print)	1 Alt		
ldress 299 CR 4135		anton	State Tx	Zip 75103
-1001	412611	Stonature		, ,
Hennedd Dellier Pupa p fee taller	Date		nto milico	Date

25 22:09	P.O. Box 1215 Er	Water West Deling 7 August, Texas 7 and address: was PLUGG	of License and inform history from both (012) 653-7000 ING REPORT	ram 1 <b>FAUC (612)463-8616</b> (4) 13-85	end (Hed within 3	is must be completed with the department 0 days following the of the well.
Name	Address	* * **	Cay		State	Zm
Jewel Alt	299 CR 41	35	Canton		Tx.	75103
DAPILE LOGATION					·	
County Hamilton	County R	oad 207	Chy		State	Zip
3) Owner's Woll No. 4) Type of Woll (4) V	Voice UM	onitor UT	injection ID	e-Watering	GHL»	5) NT
6) Driller	Terms Manural Resource to the right. The legs	Information Service  I description is option  L DATA ON T	o. The location of the world	ou of the well within a z refi should be denoted w UG GIAD (if availat	ithin the grid by	PR 407
7) Drilled unknown /	natw.blo-awar	hole <u>A inc</u>	Str	ing weight a	t 35 ft.	
	I 11 OA Her or Well Owner  Circa to the Paulon  FROM(Gool)	performing the	Please	EMOVE ALL check box beside to Tremmie pipe of Tremmie pipe by From surface, ce Pour in 3/8 bente well is less than Large diameter v top to bottom.	ement from both entonite from both ment top 2 feet onite chips when 100 feet depth, well filled with	lugging used tom to top. ottom to 2 feet from
en in the second second second second second second	ELEUGIO PLA			11/20	11150	
The state of the s	70 (tta)	SACK	3			u
the state of the s	-TA VALIDATE	21 243	<u> </u>			
certify that I plugged this well (a understand that failure to comple	or the well was pluj etc items i through	gged under my s 13 will result in	upervision) and the the report(s) being	u all of the statement returned for compl	ots herein are tr letion and resul	ue and correct. Mitted.
ompany or individual's Name (t	ype or print)	.10.	wal Alt			
ddress 299 CR 4135			Canton	State TX		Z <sub>Jp</sub> 75103
Lipedard Delite of the principal for the	n	Ment Spices	Repositore.	Aggmedta		Date .

# STATE OF TEXAS WELL REPORT for Tracking #478079

Owner:

Address:

Oene Keuning

4548 CR 207

Hico, TX 76457

Well Location:

4548 CR 207

Hico, TX 76457

Well County:

Hamilton

Owner Well #:

No Data

Grid #:

41-08-9

Latitude:

31° 52' 46.79" N

Longitude:

098° 01' 52.2" W

Size

Elevation:

No Data

Type of Work: New Well

Proposed Use:

Irrigation

Drilling Start Date: 4/12/2017

Drilling End Date: 4/12/2017

Bottom Depth (ft.)

Borehole:

Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
14	0	5
12.25	5	600

**Drilling Method:** 

Air Rotary

Borehole Completion:

Filter Packed

Top Depth (ft.)

Filter Pack Intervals:

320	600	Gravel	12/20
Top Depth (ft.)	Bottom Depth (ft.)	Description (number of	sacks & material)
0	320	Cement 95 Ba	qs/Sacks

Annular Seal Data:

Seal Method: Tremie

Distance to Property Line (ft.): 150+

Sealed By: Driller

Distance to Septic Field or other

Filter Material

concentrated contamination (ft.): 150+

Distance to Septic Tank (ft.): No Data

Method of Verification: Owner

Surface Completion:

Steel Cased

Surface Completion by Driller

Water Level:

440 ft. below land surface on 2017-04-13

Packers:

No Data

Type of Pump:

Submersible

Pump Depth (ft.): 546

Well Tests:

Jetted

Yield: 100+ GPM with unknown ft, drawdown after 1 hours

Water Quality:

Strata Depth (ft.)	Water Type
310 - 577	2nd trinity

Chemical Analysis Made:

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:

Associated Well Services, Inc.

PO Box 16

Stephenville, TX 76401

Driller Name:

Russelll Langford

License Number:

No

56062

Comments:

No Data

Report Amended on 5/1/2018 by Request #24979

Report Amended on 6/5/2018 by Request #25224

#### Lithology: **DESCRIPTION & COLOR OF FORMATION MATERIAL**

Top (ft.)	Bottom (ft.)	Description
0	1	Topsoil
1	10	Tan Clay Shale & Limestone
10	68	Grey Clay, Shale & Limestone
68	105	Grey Sandy Clay with Streaks of sand
105	310	Grey CLay, Shale & Limestone
310	455	Blue Sandy Clay & Sand
455	490	Red Clay
490	577	Sand, Blue Sandy Clay & Tiny Gravel
577	600	Yellow Clay & Shale

#### Casing: BLANK PIPE & WELL SCREEN DATA

Dla (in.)	Туре	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
8.625	Blank	New Steel	0.25	0	417
8.625	New Rod Base Stainless Steel		.250 0.020	417	580
8.625	Blank	New Steel	0.25	580	600

# IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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

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

Texas Department of Licensing and Regulation P.O. Box 12157 Austin, TX 78711 (512) 334-5540 STATE OF TEXAS WELL REPORT for Tracking #627628

Owner:

Oene Keuning

Owner Well #:

No Data

Address:

4547 CR 207

Grid #:

41-08-9

Well Location:

Hico, TX 76457

Latitude:

31° 53' 01.57" N

4547 CR 207 Hico, TX 76457

Longitude:

098° 01' 47.46" W

Well County:

Hamilton

Elevation:

No Data

Type of Work: New Well

Proposed Use:

**Domestic** 

Drilling Start Date: 12/12/2022

Drilling End Date: 12/14/2022

Borehole:

Diameter (in.)

Top Depth (ft.)

Bottom Depth (ft.)

12.25

0

575

Description (number of sacks & material)

Cement 95 Bags/Sacks

**Drilling Method:** 

Air Rotary

Borehole Completion:

Filter Packed

Filter Pack Intervals:

Annular Seal Data:

Top Depth (ft.)	Bottom Depth (ft.)		Filter Material
290	575	18- 200-5-	Sand

Bottom Depth (ft.)

	Size		
-			

Top Depth (ft.)

Seal Method: Positive Displacement

290

Distance to Property Line (ft.): 50+

Sealed By: Driller

Distance to Septic Field or other

concentrated contamination (ft.): 100+

Distance to Septic Tank (ft.): 50+

Method of Verification: Customer

Surface Completion:

Steel Cased

Surface Completion by Driller

Water Level:

392 ft. below land surface on 2022-12-14

Packers:

No Data

Type of Pump:

Submersible

Pump Depth (ft.): 546

Well Tests:

Jetted

Yield: 100+ GPM with Unk ft. drawdown after 1 hours

Water Quality:

Strata Depth (ft.)	Water Type	
360 - 553	Trinity	

Chemical Analysis Made:

No

No

Did the driller knowingly penetrate any strata which

contained injurious constituents?:

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:

Associated Well Services, Inc.

PO Box 16

Stephenville, TX 76401

Driller Name:

Colton Aardal

License Number:

55034

Comments:

No Data

# Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	Topsoil
2	15	Caliche
15	40	Limestone & Gray Shale
40	95	Sandy Blue Clay, Sand & Gray Shale
95	280	Limestone & Gray Shale
280	330	Sandy Blue Clay, Gray Shale & Sand
330	340	Red Clay & Blue Sandy Clay
340	360	Blue Sandy Clay
360	390	Blue Sandy Clay & Sand
390	430	Sand & Gravel & Sandstone
430	495	Red Clay & Blue Sandy Clay
495	553	Sand, Gravel, Sandstone & Limestone Streaks
553	575	Hard Yellow Shale & Limestone

#### Casing: BLANK PIPE & WELL SCREEN DATA

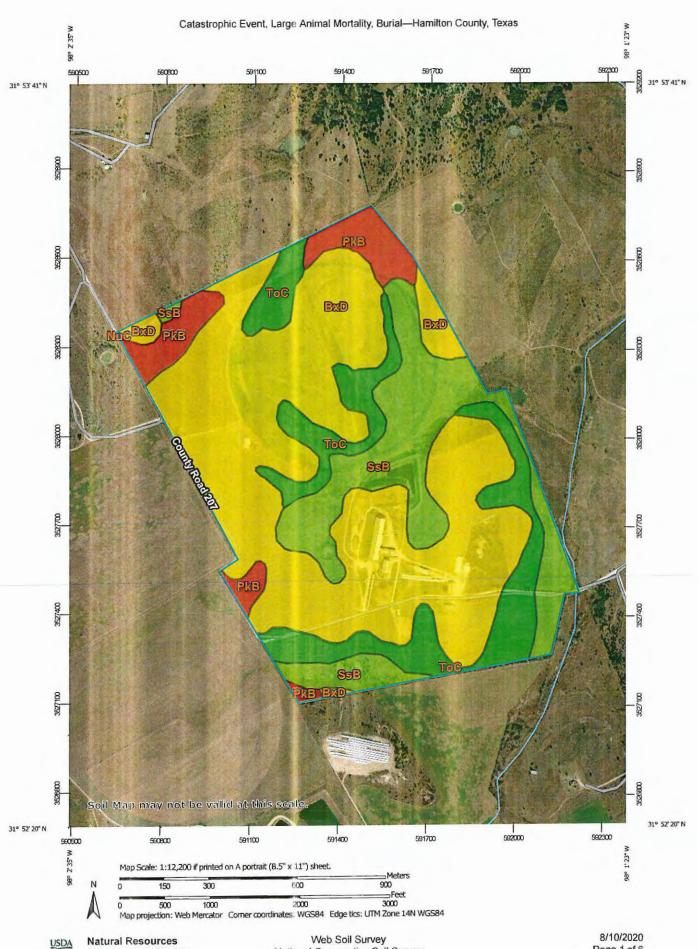
Dla (in.)	Туре	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
8	Blank	New Steel	Sch 40	0	396
8	Screen	New Rod Base Stainless Steel	0.020	396	555
8	Blank	New Steel	Sch 40	555	575

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

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

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

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



#### MAP LEGEND

#### Area of interest (AOI) Transportation Area of Interest (AOI) Rails Soils Interstate Highways Soil Rating Polygons **US Routes** Very severely limited Major Roads Severely limited Local Roads Somewhat limited Background Slightly limited Aerial Photography Not limited Not rated or not available Soil Rating Lines Very severely limited Severely limited Somewhat limited Slightly limited Not limited Not rated or not available Soil Rating Points Very severely limited Severely limited Somewhat limited Slightly limited Not limited Not rated or not available Water Features Streams and Canals

#### 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 clata as of the version date(s) listed below.

Soil Survey Area: Hamilton County, Texas Survey Area Data: Version 17, Jun 11, 2020

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

Date(s) aerial images were photographed: Feb 26, 2016—Dec 13, 2017

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

# Catastrophic Event, Large Animal Mortality, Burial

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
BxD	Brackett- Maloterre	Somewhat limited	Brackett (60%)	Seepage, porous bedrock (0.50)	219.5	56.3%
	complex, 2 to 12 percent slopes			Slope (0.16)		
NuC	Nuff silty clay loam, 2 to 6 percent slopes, very stony	Not limited	Nuff (100%)		0.0	0.0%
PkB	Pidcoke gravelly clay loam, 1 to	Very severely limited Pidcoke (100%)	clay loam, 1 to limited	Depth to bedrock (1.00)	27.0	6.9%
	3 percent slopes			Seepage, porous bedrock (0.50)		
5sB	Slidell clay, 1 to 3 percent slopes	Slightly limited	Slidell (85%)	Water gathering surface (0.20)	78.0	20.0%
ГоС	Topsey clay loam, 1 to 5 percent slopes	Not limited	Topsey (85%)		65.2	16.7%
Totals for Area	of Interest		1		389.8	100.0%

Rating	Acres in AOI	Percent of AOI
Somewhat limited	219.5	56.3%
Slightly limited	78.0	20.0%
Not limited	65.2	16.7%
Very severely limited	27.0	6.9%
Totals for Area of Interest	389.8	100.0%

## Description

"Catastrophic Event, Large Animal Mortality, Burial", is a method of disposing of deceased animals as a result of a large scale natural disaster such as a hurricane. The animals are disposed of by placing the carcasses in successive layers in an excavated and sloped pit. The carcasses are spread, compacted, and covered daily with a thin layer of soil that is excavated from the pit. When the pit is full, a final cover of soil material at least 2 feet thick is placed over the burial pit.

Soils are rated based on their limitation for burial of large animals following a catastrophic event. Catastrophic events include, but are not limited to, hurricanes, wildfires, flooding, and tornados. Limitations for burial of large animals during a catastrophic event are based primarily on contamination of groundwater, trafficability of excavation equipment, site selection, and site reclamation.

While some general observations may be made, onsite evaluation is required before the final site is selected. Improper site selection, design, or installation may cause contamination of ground water, seepage, and contamination of stream systems from surface drainage or floodwater. Potential contamination may be reduced or eliminated by installing systems designed to overcome or reduce the effects of the limiting soil property. The rating is for soils in their present condition and does not consider present land use.

Ratings are based on properties and qualities to the depth normally observed during soil mapping (approximately 6 or 7 feet). However, because pits may be as deep as 15 feet or more, geologic investigations are needed to determine the potential for pollution of ground water as well as to determine the design needed. These investigations, which are generally arranged by the pit developer, include the examination of stratification, rock formations, and geologic conditions that might lead to the conducting of leachates to aquifers, wells, watercourses, and other water sources. The presence of hard, nonrippable bedrock, bedrock crevices, or highly permeable strata in or immediately underlying the proposed pit bottom is undesirable because of the difficulty in excavation and the potential contamination of underground water.

Properties that influence the risk of contamination of groundwater, ease of excavation, trafficability, and revegetation are major considerations. Soils that flood or have a water table within the depth of excavation present a potential contamination hazard and are difficult to excavate. Slope is an important consideration because it affects the work involved in road construction, the performance of the roads, and the control of surface water around the pit. It may also cause difficulty in constructing pits for which the pit bottom must be kept level and oriented to follow the contour.

The ease with which the pit is dug and with which a soil can be used as daily and final covers is based largely on texture and consistence of the soil. The texture and consistence of a soil determine the degree of workability of the soil both when dry and when wet. Soils that are plastic and sticky when wet are difficult to excavate, grade, or compact and difficult to place as a uniformly thick cover over

a layer of carcasses. The uppermost part of the final cover should be soil material that is favorable for the growth of plants. It should not contain excess sodium or salt and should not be too acid. In comparison with other horizons, the A horizon in most soils has the best workability and the highest content of organic matter. Thus, for a Large Animal Disposal, Burial operation it may be desirable to stockpile the surface layer for use in the final blanketing of the filled pit area.

Numerical ratings indicate the severity of the individual limitations. The ratings are shown in decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses.

Not limited (rating index equals 0) - The limitation for large animal disposal during a catastrophic event is insignificant. This soil is able to support standard excavation equipment, the soil has minimal contamination of groundwater, and soil reclamation using conventional processes is possible. Not limited soils have features that are very favorable for the specified use. Very good performance and very low maintenance can be expected of a properly designed and installed system.

Slightly limited (rating index greater than 0 but less than 0.30) - The limitation for large animal disposal during a catastrophic event is slightly limited. There are one or more soil properties that pose a slight limitation for contamination of groundwater, site reclamation, or excavation equipment. Slightly limited indicates the soil have features that are favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Good performance and low maintenance can be expected.

Somewhat limited (greater than 0.30 but less than 0.80) - The limitation for large animal disposal during a catastrophic event is somewhat limited. There are more than one soil properties that pose a limitation for contamination of groundwater, site reclamation, or excavation equipment. Any corrective measures taken to overcome these limitations are considered economical however, special care must be taken to overcome limitations. Somewhat limited indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected.

Severely limited (greater than 0.80 but less than 0.99) - The limitation for large animal disposal during a catastrophic event is severely limited. There are many soil properties that pose a limitation for contamination of groundwater, site reclamation, or excavation equipment. Additionally, corrective measures will be needed to overcome these limitations. Corrective measures taken may be costly to overcome limitations that pose a severely limited rating. Severely limited indicates that the soil has features that are unfavorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation however, it is costly to do so. Poor performance and high maintenance can be expected.

Very severely limited (rating index equals 1.0) - The limitation for large animal disposal during a catastrophic event is severely limited. There are one or more soil properties that pose a very severe limitation for contamination of groundwater, site reclamation, or excavation equipment. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Very poor performance and very high maintenance can be expected.

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

# **Rating Options**

Aggregation Method: Dominant Condition Component Percent Cutoff: None Specified

Tie-break Rule: Higher

# Large Animal Disposal, Pit

"Large Animal Disposal, Pit," is a method of disposing of dead animals by placing the carcasses in an excavated pit. The number of livestock that can be buried is highly dependent on the space. Fourteen square feet of surface area should be allowed for an adult cow carcass. Five adult hogs or sheep can be considered equivalent to one bovine for this purpose. Multiple layers or stacking more than one animal deep should be avoided. When the pit is full, a final cover of soil material at least 3 feet thick is placed over the burial pit to prevent scavenging by other animals. The cap should be vegetated as soon as possible. Great care in site selection is needed because decomposing carcasses release material that can pollute ground water.

The interpretation is applicable to both heavily populated and sparsely populated areas. While some general observations may be made, onsite evaluation is required before the final site is selected. Improper site selection, design, or installation may cause contamination of ground water, seepage, and contamination of stream systems from surface drainage or floodwater. The risk of contamination can be reduced or eliminated by installing systems designed to eliminate or reduce the adverse effects of limiting soil properties. Ratings are for soils in their present condition. The present land use is not considered in the ratings.

Ratings are based on properties and qualities to the depth normally observed during soil mapping (approximately 6 feet). However, because pits may be as deep as 15 feet or more, geologic investigations are needed to determine the potential for pollution of ground water and to determine the design needed. These investigations, which are generally arranged by the pit developer, include the examination of stratification, rock formations, and geologic conditions that might lead to the conducting of leachates to aquifers, wells, watercourses, and other water sources. The presence of hard, nonrippable bedrock, bedrock crevices, or highly permeable strata in or immediately underlying the proposed pit bottom is undesirable because of the difficulty in excavation and the potential pollution of underground water.

Properties that influence the risk of pollution and ease of excavation are major considerations. Soils that are subject to flooding or that have a water table within the depth of excavation present a potential pollution hazard and are difficult to excavate. The leaching and seepage potential of the soil is considered. When this rate is high, transmission of fluids through the soil and underlying materials is unimpeded and leaching and seepage may become environmental, health, and performance concerns. Slope is an important consideration because it affects the work involved in road construction, the performance of the roads, and the control of surface water around the pit. It may also cause difficulty in constructing pits for which the pit bottom must be kept level and oriented to follow the contour.

The ease with which the pit is dug and with which a soil can be used as daily or final cover is based largely on texture and consistence of the soil. Large stones on the soil surface and in the soil fabric can cause excavation problems. The texture and consistence of a soil determine the degree of workability of the soil both when dry and when wet. Soils that are plastic and sticky when wet are difficult to excavate, grade, or compact and difficult to place as a uniformly thick cover over a layer of carcasses. The uppermost part of the final cover should be soil material that is favorable for the growth of plants. It should not contain excess sodium or salt and should not be too acid. In comparison with other horizons, the A horizon in most soils has the best workability and the highest content of organic matter. Thus, it may be desirable to stockpile the surface layer for use in the final blanketing of the filled pit area. Regulatory requirements for large animal disposal are provided in the Department of Homeland Security publications

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected if the system is properly designed and installed. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of the individual limitations. The ratings are shown in decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

# Report—Large Animal Disposal, Pit

[Onsite investigation may be needed to validate the interpretations in this table and to confirm the identity of the soil on a given site. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. The table shows only the five most limiting features for any given soil. The soil may have additional limitations.]

		Pit-Hamilton County, Texas	
Map symbol and soil name	Pct. of map unit	Large Animal Disposal, Pit	
		Rating class and limiting features	Value
BxD—Brackett-Maloterre complex, 2 to 12 percent slopes			
Brackett	60	Somewhat limited	
		Seepage, porous bedrock	0.50
		Slope	0.16
		Clay content	0.01
Maloterre	30	Very limited	
		Depth to bedrock	1.00
		Seepage, porous bedrock	0.50
		Slope	0.16
NuC—Nuff silty clay loam, 2 to 6 percent slopes, very stony			
Nuff	100	Somewhat limited	
		Clay content	0.04
PkB—Pidcoke gravelly clay loam, 1 to 3 percent slopes			
Pidcoke	100	Very limited	
		Depth to bedrock	1.00
		Seepage, porous bedrock	0.50
		Clay content	0.01
SsB—Slidell clay, 1 to 3 percent slopes			
Slidell	85	Somewhat limited	
		Clay content	0.21
		Water gathering surface	0.20
ToC—Topsey clay loam, 1 to 5 percent slopes			
Topsey	85	Somewhat limited	
		Clay content	0.01

## **Data Source Information**

Soil Survey Area: Hamilton County, Texas Survey Area Data: Version 17, Jun 11, 2020

# **Supporting Documentation**

USDA Soil Descriptions & Limitations
Texas Railroad Commission Map
Water District Well Location Map (if available)
Onsite Well Logs (if available)
Catastrophic Event, Large Animal Mortality Burial

# 6.0 SURFACE WATER & TMDL ASSESSMENT

## 6.1 Surface Water Assessment

Figure 6.1, Aerial Photograph, shows the existing land features, production area, Land Management Unit boundaries, and areas designated as "water in the state," as defined by 30 TAC §321.32(63). Buffer zones between waters in the state and LMUs will be maintained as required in 30 TAC §321.40(h) plus additional filter strips specified by NRCS Code 393, as required in 30 TAC §321.42(w)(2). Based on NRCS Code 393, Appendix 3, Table 1, and LMU slope and soil types, the buffer zones shown in the attached map will be maintained. According to NRCS, Codes 601 (applied to severely eroded areas) and 332 (applied to cropland) are not currently applicable to the LMUs at this facility. Should field conditions or cropping systems change, Codes 601 and 332 will be implemented as necessary.

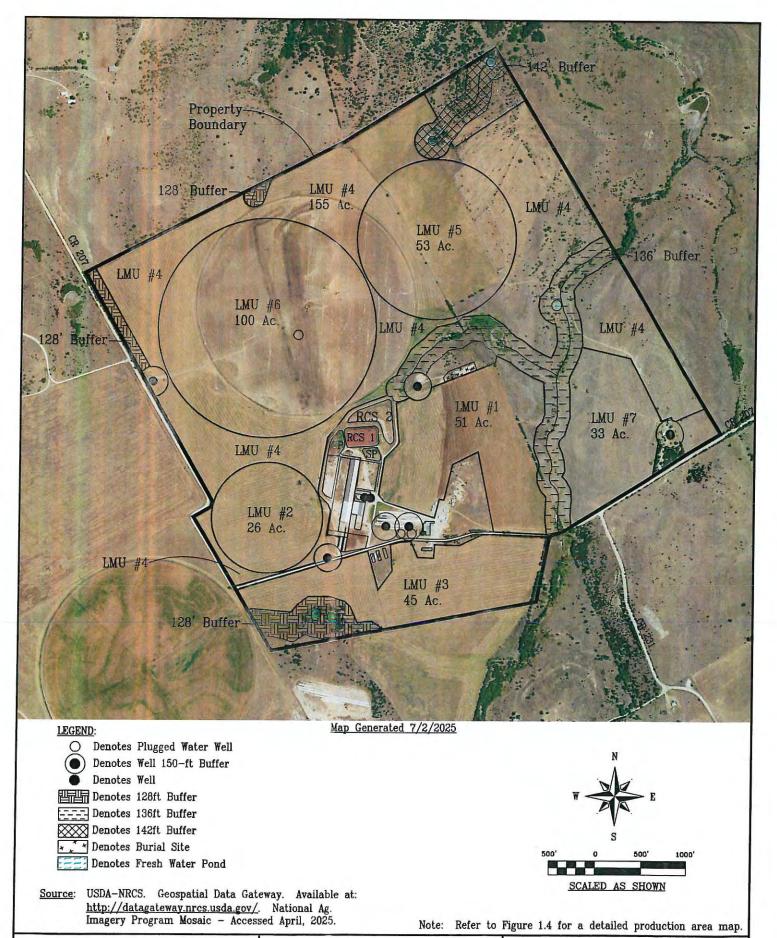
The "water in the state" designation is based on Enviro-Ag Engineering, Inc., site inspections, the permittee's knowledge of the property and the USDA-FSA aerial photograph (2025). The buffer zones and LMU boundaries in Figure 6.1 are submitted with this application for TCEQ approval.

## 6.2 TMDL Assessment

Okee Dairy is located in Segment 1226, North Bosque River, Brazos River Basin, which is a 303(d)-listed watershed. To demonstrate that Okee Dairy is designed and will be constructed and operated in a manner that is consistent with the Phosphorus Total Maximum Daily Load (TMDL) and Implementation Plan approved in 2001 and to address the other listed impairments for this segment, the following practices have been or will be implemented:

- 1. Implement a Nutrient Utilization Plan that limits P application to crop requirement and incorporates a P reduction component on fields over 200 ppm P.
- 2. Limit maximum P level in soils to 200 ppm.
- 3. Perform annual soil sampling in accordance with the provisions of 30 TAC §321.42(k)-(m) and with Texas Cooperative Extension guidelines for composite sampling.
- 4. Implement a certified Comprehensive Nutrient Management Plan that meets the NRCS requirements for a whole-farm Resource Management System.
- 5. Maintain contracts with owners of third-party fields in accordance with 30 TAC §321.42(j)(1)-(4) and with applicable requirements of 30 TAC §321.36 and §321.40.
- 6. Operate the facility in accordance with 30 TAC §321.42 with additional Best Management Practices as follows:
  - a. Scrape freestalls and cattle lanes to reduce or eliminate the need for flushing
  - b. Excluding extraneous drainage areas from the RCSs (roof areas, etc.)

c. Reduce the potential for soil erosion and downgradient sediment deposition by maintaining permanent pastures and additional filter strips adjacent to waters in the state, as described above in Section 6.1



Okee Dairy Hico, Texas Hamilton County Aerial Photograph Figure 6.1 Page 33



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# 7.0 AIR STANDARD PERMIT REQUIREMENTS

# 7.1 Permit Requirements

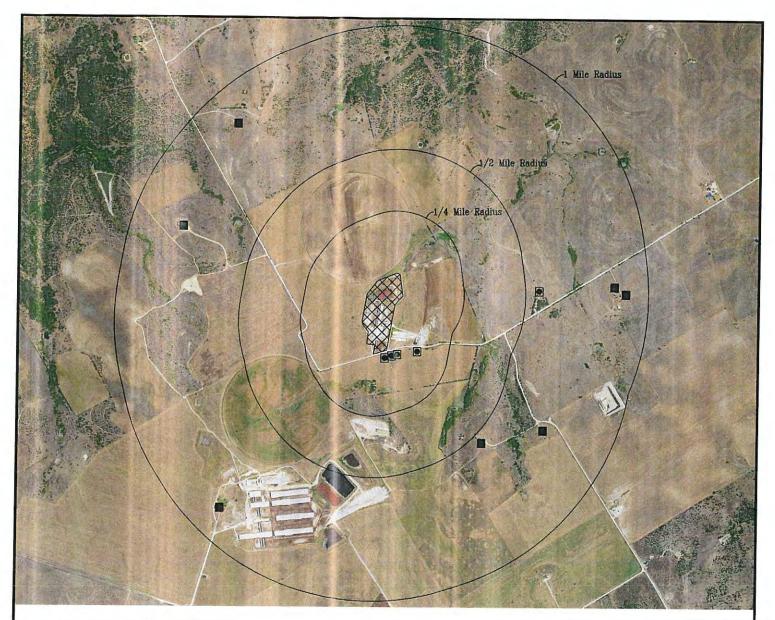
This facility was constructed prior to August 19, 1998. The facility meets the 1/4-mile buffer option required in 30 TAC §321.43(j) (2) for facility expansion. The facility is designed, and will be operated, in accordance with the provisions and emissions limitations of the air standard permit in 30 TAC §321.43(j) regarding abatement of nuisance conditions, wastewater treatment, dust control and maintenance and housekeeping procedures. The facility uses an anaerobic treatment pond to minimize odors from process generated wastewater in accordance with §321.43(j) (3).

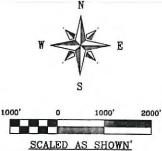
An Area Land Use Map (Figure 7.1) is attached depicting the locations of all occupied residences or business structures, schools (including associated recreational areas), churches, or public parks within 1 mile of the permanent odor sources of the facility. The map includes a north arrow, direction of prevailing wind, and scale. For the purposes of this application, the measurement of buffer distances is from the nearest edge of the permanent odor source to the occupied structure or designated recreational area identified on the Area Land Use Map (30 TAC §321.32(43)).

#### 7.2 Odor control Plan

Per 30 TAC §321.43(j)(2)(F), the following Best Management Practices have been or will be implemented to control and reduce odors, dust and other air contaminants at Okee Dairy.

- Pen surfaces will be maintained to reduce ponding.
- The manure in the confinement pens will be removed on a regular basis (at least once annually) to prevent the manure from building up in the pens.
- Removal of manure and pond solids will be done in favorable wind conditions carrying odors away from nearby receptors. The TCEQ must be notified prior to RCS cleanout.
- Land application shall only occur from one hour after sunrise until one hour before sunset, unless written consent is obtained from current occupants of all residences within ¼-mile of the LMU boundary that receives waste or wastewater.
- Dust will be controlled on facility roads with the use of a portable water truck on an as-needed basis to minimize fugitive dust emissions.
- Dead animals will be collected within 24-hours and composted on-site or disposed by on-site burial.





Legend:

■ Denotes Occupied Structure

Denotes Applicant Owned Structure

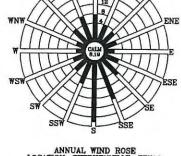
Site Visit - June 12, 2025 Map Generated - June 16, 2025

Source: USDA-NRCS. Geospatial Data Gateway.

Available at: <a href="http://datagateway.nrcs.usda.gov/">http://datagateway.nrcs.usda.gov/</a>.

National Ag. Imagery Program Mosalc-Accessed Nov., 2017.

Okee Dairy Hico, Texas Hamilton County



ANNUAL WIND ROSE LOCATION: STEPHENVILLE, TEXAS PERIOD OF RECORD: 1984 - 1992 SOURCE: TCEQ WINDROSE DATA

Note:
Hatched area represents permanent odor sources.
These include, but are not limited to, pens, confinement buildings, lagoons, RCSs, manure stockpile areas, separators. Permanent odor sources do not include any feed handling facilities, land application equipment or fields.

Area Land Use Map Figure 7.1 Page 35



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