



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: S.A.S. Land and Cattle, LLC
- 2) Enter Customer Number: CN
- 3) Name of facility: S.A.S. Land and Cattle
- 4) Enter Regulated Entity Number: RN104804794
- 5) Provide your permit Number: WQ000####000
- 6) Facility Business: This facility currently can contain 999 Total Beef Cattle in confinement. The facility has 1 Land Management Units (LMUs); LMU #1 - 70 acres. There is one Proposed Retention Control Structure; Proposed RCS #1 is required to be 10.00 ac-ft (Proposed Required Storage). There are three water wells and one plugged water well located on the facility. The facility is located in the drainage area of Paradise Creek in Segment No. 0230A and Pease River Segment No 0230.
- 7) Facility Location: 7035 HWY 287 E, Vernon, Texas 76384
- 8) Application Type: Initial Application, TCEQ 00728 IPA & TCEQ 00760 TIP
- 9) Description of your request: Increase in headcount from 999 Total Beef Cattle to 3,000 Total Beef Cattle, New Proposed RCS#1 and Land Management Unit Acreage LMU #1 - 70 acres.
- 10) Potential pollutant sources at the facility include (list the pollutant sources):
Manure, Wastewater, Dust, lubricants, Feed, Fuel Storage, Medicines, Cleaning Chemicals
- 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): Manure will be stored within the drainage area of Proposed RCS #1. Wastewater will be stored in Proposed RCS #1 until properly irrigated through Big Gun and Reel. Manure will be hauled offsite. Proposed RCS #1 will be designed to store and maintain the sludge and 25yr-24hr rainfall. All other cleaners, lubricants, fuels and medicines will be maintained and all manufacturers' directions followed. Dead cows will be composted within the drainage area of the RCS or hauled offsite.

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

PROPOSED PERMIT NO. WQ0005486000

APPLICATION. S. A. S. Land and Cattle, LLC, 2329 Plainview Road, Seymour, Texas 76380, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Wastewater Permit No. WQ0005486000 (EPA I.D. No. TX0147583) for a Concentrated Animal Feeding Operation (CAFO) to authorize the operation of a 3,000 head count beef cattle facility. The facility will be located at 6725 U.S. Highway 287 East, near the city of Vernon, in Wilbarger County, Texas 76384. TCEQ received this application on March 6, 2025. The permit application will be available for viewing and copying at Carnegie City-County Library, 2810 Wilbarger Street, Vernon, in Wilbarger County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/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=-99.24279,34.155958&level=18>

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

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

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who**

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

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

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

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

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

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

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll

Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from S. A. S. Land and Cattle, LLC at the address stated above or by calling Mr. Royce Stallcup, Owner, at 940-636-8760.

Issuance Date: April 29, 2025

Leah Whallon

From: Noel Courts <manureisgood@yahoo.com>
Sent: Monday, April 28, 2025 2:05 PM
To: Leah Whallon
Cc: Joy Alabi; Erwin Madrid
Subject: Re: Application for Proposed Permit No. WQ0005486000; S.A.S. Land and Cattle
Attachments: ADJACENTLABELS-AVERY5160.docx; ADJACENTLABELSLIST-AVERY5160.docx; SASAdmNOD42825.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Leah,

Please see the attached maps and list.

Thanks

Noel Courts, P.G.
Professional Geoscientist
Engineering Geologist
Texas License No. 11241
Florida License No. PG3091
Louisiana License No. 754
Certified Nutrient Management Specialist
License No. TX20221
M.E. Lowther Consulting, LLC
P.O. Box 7332
Abilene, Texas 79608
Office: (325)692-5878
Fax: (325)692-1293
Cell: (325)829-5264

On Thursday, April 24, 2025 at 03:29:43 PM CDT, Leah Whallon <leah.whallon@tceq.texas.gov> wrote:

Thank you, Noel.

After reviewing the updated landowner information and discussing the requirements with Joy and Erwin, we are in agreement that there are still adjacent landowners that have not been identified, and that the portion of the applicant's property should not be excluded.

The area labeled as 'Property owned by S.A.S. Land and Cattle but not part of the permitted site' must be included in the applicant's property boundary.

The application includes a CAD record for parcel 4230002 as part of the applicant's property, which should also be shown on the affected landowner map. There are 3 parcels adjacent to this property – 99040, 100778, and 100804, that will need to be identified as the adjacent landowners and included on the map and list as well.

Please provide the updated map, cross-reference list of the landowners, and the landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word document.

Please let me know if you have any questions.

Thank you,

Leah Whallon



Texas Commission on Environmental Quality

Water Quality Division

512-239-0084

leah.whallon@tceq.texas.gov

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

From: Noel Courts <manureisgood@yahoo.com>

Sent: Tuesday, April 22, 2025 10:39 AM

To: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>

Subject: Re: Application for Proposed Permit No. WQ0005486000; S.A.S. Land and Cattle

Leah,

Please see the attached revised map and list with numbers.

Noel Courts, P.G.
Professional Geoscientist
Engineering Geologist
Texas License No. 11241

Florida License No. PG3091
Louisiana License No. 754
Certified Nutrient Management Specialist
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Office: (325)692-5878
Fax: (325)692-1293
Cell: (325)829-5264

On Tuesday, April 15, 2025 at 04:40:13 PM CDT, Leah Whallon <leah.whallon@tceq.texas.gov> wrote:

Hi Noel,

The map must reflect the actual property boundaries of the applicant and all properties adjacent to their property. This is also referenced in the application instructions. There is not a separate distinction for "permitted site."

Section 12. Affected Landowner Information

This section is only required for new and major amendment applications. If the for a renewal or minor amendment, skip to Section 13.

- A. Attach a landowner map or drawing, with scale, that shows the applicant's property boundaries, including onsite and offsite LMUs; and the property boundaries of landowners within 500 feet of the applicant's property. Each landowner should be designated by a letter or number on both the list and the map.

Thank you,



Leah Whallon

Texas Commission on Environmental
Quality

Water Quality Division

512-239-0084

leah.whallon@tceq.texas.gov

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

From: Noel Courts <manureisgood@yahoo.com>

Sent: Tuesday, April 15, 2025 4:32 PM

To: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>

Cc: Joy Alabi <Joy.Alabi@tceq.texas.gov>

Subject: Re: Application for Proposed Permit No. WQ0005486000; S.A.S. Land and Cattle

Leah,

I am not permitting all of what is owned by the landowner, so the landowners to the west are not considered affected as they are greater than 500' from the permitted site. Correct me if I'm wrong but this map is supposed to reflect the permitted site and the adjacent landowners.

Thanks

Noel Courts, P.G.
Texas License No. 11241
LA License No. 754
CNMS
License No. TX20221

On Apr 15, 2025, at 4:03 PM, Leah Whallon <Leah.Whallon@tceq.texas.gov> wrote:

Thank you, Noel.

I've reviewed the response and there is one item that still needs to be addressed.

The NOD requested an updated affected landowner map that labels the applicant's property boundaries and all properties adjacent/within 500 feet of the applicant's property boundaries. The map provided shows an area labeled planned land units which is not part of the affected landowner map.

The applicant's property boundaries must be shown to include all contiguous parcels owned by the applicant, and should be consistent with the landowner data source in Section 12.D – Wilbarger CAD. The applicant also cannot be their own affected landowner, so any parcels owned by them must be included as part of the applicant's property and not an affected landowner.

Please provide the updated map, updated cross-reference list of the landowners, and the updated landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word document.

Please let me know if you have any questions.

Thanks,



Leah Whallon

Texas Commission on Environmental
Quality
Water Quality Division
512-239-0084
leah.whallon@tceq.texas.gov

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

From: Noel Courts <manureisgood@yahoo.com>

Sent: Wednesday, April 9, 2025 3:31 PM

To: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>

Cc: Joy Alabi <Joy.Alabi@tceq.texas.gov>

Subject: Re: Application for Proposed Permit No. WQ0005486000; S.A.S. Land and Cattle

Leah,

Please see the attached NOD response. I am mailing the labels tomorrow. Also, in Item 4 of the NOD; NORI: the facility address has been corrected and should read 6725 US HWY 287, Vernon, Texas 76384.

Please note that all pages the referenced 7035 US HWY 287 have been corrected and submitted with this packet.

Thanks

Noel Courts, P.G.
Professional Geoscientist
Engineering Geologist
Texas License No. 11241
Florida License No. PG3091
Louisiana License No. 754
Certified Nutrient Management Specialist
License No. TX20221
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P.O. Box 7332
Abilene, Texas 79608
Office: (325)692-5878
Fax: (325)692-1293
Cell: (325)829-5264

On Monday, March 31, 2025 at 01:36:15 PM CDT, Leah Whallon <leah.whallon@tceq.texas.gov> wrote:

Good Afternoon,

Please see the attached Notice of Deficiency 30-Day Will Return Letter dated March 31, 2025 requesting the response needed to declare the application administratively complete. The original will be sent by certified mail. Please send the complete response by April 30, 2025.

Thank you,

Leah Whallon



Texas Commission on Environmental
Quality

Water Quality Division

512-239-0084

leah.whallon@tceq.texas.gov

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



Adjacent Landowners Map

Royce Stallcup, President
S.A.S. Land and Cattle
Date: 04/28/2025

M.E. Lowther Consulting, LLC - F# 50659
Noel Courts, P.G. - Lic No. 11241
325-692-5878



CITY OF VERNON "EAST VIEW CEMETARY"
8271 CR 105 S
VERNON, TX 76384
NUMBER ON MAP – 1

JASON & MELONY GRIBBLE
7226 HWY 287 E
VERNON, TX 76384
NUMBER ON MAP – 2

GARY NIELL
7250 FM 1763
VERNON, TEXAS 76384
NUMBER ON MAP – 3

SHANE CASTELBERRY
7001 HWY 287 E
VERNON, TX 76384
NUMBER ON MAP - 4

DARIN & MICHELE TOWNSON
3826 WICHITA ST
VERNON, TX 76384
NUMBER ON MAP - 5

RODGERTRUST / SHERRY ELLIS
4412 MC AURTHUR CIR
BROWNWOOD, TX 76801
NUMBER ON MAP - 6

MARVIN L SHARP, JR
P.O. BOX 753
VERNON, TX 76384
NUMBER ON MAP - 7

SANTA ROSA TELEPHONE
7110 US HWY 287
VERNON, TX 76384
NUMBER ON MAP - 8

SYNTRO SOLUTIONS, LLC
7110 HWY 287 E
VERNON, TX 76384
NUMBER ON MAP - 9

MOORE & SON
6465 BUS HWY 287 E
VERNON, TX 76384
NUMBER ON MAP – 10

GOODRUM WRECKER SERVICES, LLC
6571 BUS HWY 287 E
VERNON, TX 76384
NUMBER ON MAP – 11

TERRY STEELE
6621 BUS HWY 287 E
VERNON, TX 76384
NUMBER ON MAP – 12

ANDY & SHERI BRUMLEY
1900 HWY 287 W
VERNON, TX 76384
NUMBER ON MAP – 13 & 14

KARLA JO ANDERSON-WILSON
9371 CR 107 N
VERNON, TX 76384
NUMBER ON MAP – 15

CITY OF VERNON "EAST VIEW CEMETARY"
8271 CR 105 S
VERNON, TX 76384

JASON & MELONY GRIBBLE
7226 HWY 287 E
VERNON, TX 76384

GARY NIELL
7250 FM 1763
VERNON, TEXAS 76384

SHANE CASTELBERRY
7001 HWY 287 E
VERNON, TX 76384

DARIN & MICHELE TOWNSON
3826 WICHITA ST
VERNON, TX 76384

RODGERTRUST / SHERRY ELLIS
4412 MC AURTHUR CIR
BROWNWOOD, TX 76801

MARVIN L SHARP, JR
P.O. BOX 753
VERNON, TX 76384

SANTA ROSA TELEPHONE
7110 US HWY 287
VERNON, TX 76384

SYNTRO SOLUTIONS, LLC
7110 HWY 287 E
VERNON, TX 76384

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ANDY & SHERI BRUMLEY
1900 HWY 287 W
VERNON, TX 76384

KARLA JO ANDERSON-WILSON
9371 CR 107 N
VERNON, TX 76384



Adjacent Landowners Map

Royce Stallcup, President
S.A.S. Land and Cattle
Date: 04/22/2025

M.E. Lowther Consulting, LLC - F# 50659
Noel Courts, P.G. - Lic No. 11241
325-692-5878

Property owned by:
S.A.S. Land and Cattle, LLC
but not part of permitted Site.

Pease River

Paradise Creek

5

4

70
183
287

6

7

10

11

12

1

9

2

8

3



990 0 990 1980 Feet



Legend

-  Planned Land Units
-  HWY 70/183/287
-  Pease River
-  Paradise Creek

Brooke T. Paup, *Chairwoman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 14, 2025

Mr. Noel Courts, P.G.
Environmental Manager
M.E. Lowther Consulting, LLC
P.O. Box 7332
Abilene, Texas 79608

RE: Application for Proposed Permit No.: WQ0005486000 (EPA I.D. No. TX0147583)
Applicant Name: S. A. S. LAND AND CATTLE, LLC (CN606361244)
Site Name: S.A.S. Land and Cattle (RN112166418)
Type of Application: New

VIA EMAIL

Dear Mr. Courts:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

- ✓1. CAFO Application (TCEQ-00728) Section 1
✓1/16 Receipt of the application fee could not be confirmed. Please provide the check or voucher number for the payment.
- ✓2. Section 3.C
✓1/16 Please provide an email address for the owner contact. The owner contact is listed for the billing contact which requires an email address.
- ✓3. Section 12
✓1/16 The affected landowner map does not label the applicant's property boundaries or all properties adjacent to the applicant's property boundaries. No cross-referenced landowner list or mailing labels were included with the map. Please provide an updated landowner map that labels the applicant's property boundaries and the boundaries of all properties adjacent to the applicant. Please include a cross-reference list of the landowners, and the landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word document.
- ✓4. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

Mr. Noel Courts, P.G.
Page 2
March 14, 2025
Permit No. WQ0005486000

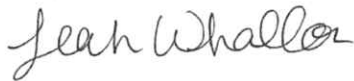
6725 APPLICATION. S. A. S. LAND AND CATTLE, LLC, 2329 Plainview Road, Seymour, Texas 76380, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Wastewater Permit No. WQ0005486000 (EPA I.D. No. TX0147583) for a Concentrated Animal Feeding Operation (CAFO) to authorize the operation of a 3,000 head count beef cattle facility. The facility will be located at ~~7035~~ U.S. Highway 287 ~~East~~, near the city of Vernon, in Wilbarger County, Texas 76384. TCEQ received this application on March 6, 2025. The permit application will be available for viewing and copying at Carnegie City-County Library, 2810 Wilbarger Street, Vernon, in Wilbarger County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/cafo-applications>.

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Further information may also be obtained from S. A. S. LAND AND CATTLE, LLC at the address stated above or by calling Mr. Royce Stallcup, Owner, at 940-636-8760.

Please submit the complete response, addressed to my attention by March 28, 2025. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-0084 or by email at leah.whallon@tceq.texas.gov

Sincerely,



Leah Whallon
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

lcw

cc: Mr. Royce Stallcup, Owner, S. A. S. LAND AND CATTLE, LLC, 2329 Plainview Road, Seymour, Texas 76380

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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- 5) Provide your permit Number: WQ0005486000
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- 8) Application Type: Initial Application, TCEQ 00728 IPA & TCEQ 00760 TIP
- 9) Description of your request: Increase in headcount from 999 Total Beef Cattle to 3,000 Total Beef Cattle, New Proposed RCS#1 and Land Management Unit Acreage LMU #1 - 70 acres.
- 10) Potential pollutant sources at the facility include (list the pollutant sources):
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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:

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- 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.

PLANTILLA EN INGLÉS PARA SOLICITUDES DE PERMISOS CAFO

Se proporciona el siguiente resumen para esta solicitud pendiente de permiso de calidad del agua que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Plan de Participación Pública y el Plan de Acceso Lingüístico de TCEQ. La información proporcionada en este sumario puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutable federal de la solicitud de permiso.

- 1) Nombre del solicitante: S.A.S. Land and Cattle, LLC
- 2) [Introduzca el número de cliente](#): CN
- 3) Nombre de la instalación: S.A.S. Land and Cattle
- 4) [Ingresa el número de entidad regulada](#): RN104804794
- 5) Proporcione su número de permiso: WQ0005486000
- 6) Negocio de instalaciones: Esta instalación actualmente puede contener 999 bovinos de carne total en confinamiento. La instalación cuenta con 1 Unidades de Manejo de Tierras (UML); LMU #1 - 70 acres. Hay una Estructura de Control de Retención Propuesta; Se requiere que el RCS #1 propuesto sea de 10.00 ac-ft (Almacenamiento Requerido Propuesto). Hay tres pozos de agua y un pozo de agua taponado ubicados en la instalación. La instalación está ubicada en el área de drenaje de Paradise Creek en el Segmento No. 0230A y el Segmento No. 0230 del Río Pease.
- 7) Ubicación de la instalación: 6725 HWY 287, Vernon, Texas 76384
- 8) Tipo de aplicación: Aplicación inicial, TCEQ 00728 IPA y TCEQ 00760 TIP
- 9) Descripción de su solicitud: Aumento en el número de empleados de 999 cabezas de ganado vacuno total a 3,000 cabezas de ganado vacuno total, nueva propuesta RCS # 1 y superficie de la unidad de manejo de tierras LMU # 1 - 70 acres.
- 10) Las fuentes potenciales de contaminantes en la instalación incluyen (enumere las fuentes contaminantes): Estiércol, aguas residuales, polvo, lubricantes, piensos, almacenamiento de combustible, medicamentos, productos químicos de limpieza
- 11) Las siguientes mejores prácticas de manejo se implementarán en el sitio para manejar los contaminantes de las fuentes contaminantes enumeradas (describa las mejores prácticas de manejo que se utilizan): El estiércol se almacenará dentro del área de drenaje del RCS # 1 propuesto. Las aguas residuales se almacenarán en el RCS propuesto # 1 hasta que se rieguen adecuadamente a través de Big Gun y Reel. El estiércol se transportará fuera del sitio. El RCS #1 propuesto estará diseñado para almacenar y mantener el lodo y las lluvias las 25 horas del día. Todos los demás limpiadores, lubricantes, combustibles y medicamentos se mantendrán y se seguirán todas las instrucciones del fabricante. Las vacas muertas se convertirán en abono dentro del área de drenaje del RCS o se transportarán fuera del sitio.

A menos que se limite lo contrario, el estiércol, lodo o aguas residuales no se descargarán de una unidad de manejo de tierras (LMU) o una estructura de control de retención (RCS) en o adyacentes al agua en el estado de una CAFO, excepto como resultado de cualquiera de las siguientes condiciones:

- 1) una descarga de estiércol, lodo o aguas residuales que el permisionario no puede prevenir o controlar razonablemente como resultado de una condición catastrófica que no sea un evento de lluvia;
- 2) desbordamiento de estiércol, lodo o aguas residuales de un RCS resultante de un evento de lluvia crónica / catastrófica; o
- 3) una descarga de lluvia crónica/catastrófica de una LMU que ocurre porque el permisionario toma medidas para deshidratar el RCS si el RCS está en peligro de desbordamiento inminente.

Microsoft®
TranslatorX
Original

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.

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 ☐ No ☒

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? N/A

SECTION 10. REGULATED ENTITY (SITE) INFORMATION

A. Site Name as known by the local community: S.A.S Land and Cattle

B. If this is an existing permitted site, provide the Regulated Entity Number (RN) issued to this site? RN 104804794

C. Site Address/Location:

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

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: 6725 HWY 287

City, State and Zip Code: Vernon, Texas 76384

Item 2: Site Location Description:

Location description:

City where the site is located or, if not in a city, what is the nearest city:

Zip Code where the site is located:

D. County or counties if more than 1: Wilbarger County

E. Latitude: 34.155958 N Longitude: -99.2242797 W

TCEQ USE ONLY

Application type: <input type="checkbox"/> Renewal <input type="checkbox"/> Major Amendment <input type="checkbox"/> Minor Amendment <input type="checkbox"/> New
County: _____ Admin Complete Date: _____
Agency Receiving SPIF: <input type="checkbox"/> Texas Historical Commission <input type="checkbox"/> U.S. Fish and Wildlife
<input type="checkbox"/> Texas Parks and Wildlife <input type="checkbox"/> Army Corps of Engineers

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form is required for all TPDES applications

1. Applicant: S.A.S. Land and Cattle, LLC
2. Permit Number: WQ0005486000 EPA ID Number: TX0147583
3. Address of the project (location description that includes street/highway, city/vicinity, and county). 6725 HWY 287 , Vernon, Texas 76384
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: Noel Courts, P.G.
Company Name: M.E. Lowther Consulting, LLC
Mailing Address: P.O. Box 7332
City, State, and Zip Code: Abilene, Texas 79608-7332
Phone Number: 325-692-5878 Fax Number: 325-692-1293
5. County where the facility is located: Willbarger
6. If the property is publicly owned and the owner is different than the permittee/applicant, please identify the owner.
7. Identify the name of the water body (receiving waters) and TCEQ segment number that will receive the discharge. 0230A Paradise Creek, 0230 Pease River
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.
10. 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): Proposed RCS #1, 1.5 acres and 6ft deep

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit you APPLICATION FEE, if you are mailing your payment.

- Complete items 1 through 5 below:
- Staple your check in the space provided at the bottom of this document.
- Do not mail this form with your application form.
- Do not mail this form to the same address as your application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and your check to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental
Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental
Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, TX 78753

Fee Code: WQP Wastewater Permit Number: WQ0005486000

1. Check / Money Order Number: 2563
2. Amount of Check/Money Order: 350.00
3. Date of Check or Money Order: 2-10-25
4. Name on Check or Money Order: Royce Stallcup
5. APPLICATION INFORMATION

If the check is for more than one application, attach a list of each Project/Site (RE) Name and Physical Address exactly as provided on the application.

Project/Site (RE) Name: S.A.S. Land and Cattle

Project/Site (RE) Physical Address: 6725 HWY 287, Vernon, Texas 76380

Staple Check in This Space

TCEQ - 20134

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit you APPLICATION FEE, if you are mailing your payment.

- Complete items 1 through 5 below:
- Staple your check in the space provided at the bottom of this document.
- Do not mail this form with your application form.
- Do not mail this form to the same address as your application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and your check to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental
Quality

Financial Administration Division

Cashier's Office, MC-214

P.O. Box 13088

Austin, TX 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental
Quality

Financial Administration Division

Cashier's Office, MC-214

12100 Park 35 Circle

Austin, TX 78753

Fee Code: WQP Wastewater Permit Number: WQ000

1. Check / Money Order Number: 2563
2. Amount of Check/Money Order: 350.00
3. Date of Check or Money Order: 2-10-25
4. Name on Check or Money Order: Royce Stallcup
5. APPLICATION INFORMATION

If the check is for more than one application, attach a list of each Project/Site (RE) Name and Physical Address exactly as provided on the application.

Project/Site (RE) Name: S.A.S. Land and Cattle

Project/Site (RE) Physical Address: 7035 HWY 287E, Vernon, Texas 76380

ROYCE STALLCUP
STALLCUP CATTLE & CUTTING HORSES
940-636-8760
2329 PLAINVIEW RD.
SEYMOUR, TX 76380

88-1688/1113

2563

DATE 2-10-25



PAY TO
THE ORDER OF

TCEQ

\$ 350.00

Three hundred fifty & no/100

DOLLARS

Heat
Reactive
Ink



PEOPLES BANK
201 N. Washington St.
Seymour, Texas 76380

Premium Customer

Royce Stallcup

NP

MEMO 5 AS permits



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: 2563
Check/Money Order Amount: \$350.00
Name Printed on Check: Royce Stallcup

EPAY Voucher Number: 2563
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:

E. For existing permits:

What is the permit number?

What is the EPA I.D. Number? TX

SECTION 3. FACILITY OWNER (APPLICANT) INFORMATION

- A. What is the legal name of the facility owner?
S.A.S. Land and Cattle, LLC
- B. If the applicant is an existing TCEQ customer, provide the Customer Number (CN) issued to this entity? CN
- C. What is the contact information for the owner?
Mailing Address: 2329 Plainview Road
City, State and Zip Code: Seymour, Texas 76380

Phone Number: 940-636-8760 Fax Number: N/A

E-mail Address: stallcupcuttinghorses@gmail.com

D. Indicate the type of customer:

- | | |
|---|--|
| <input type="checkbox"/> Individual | <input type="checkbox"/> Federal Government |
| <input type="checkbox"/> Limited Partnership | <input type="checkbox"/> County Government |
| <input type="checkbox"/> General Partnership | <input type="checkbox"/> State Government |
| <input type="checkbox"/> Trust | <input type="checkbox"/> City Government |
| <input type="checkbox"/> Sole Proprietorship (D.B.A.) | <input type="checkbox"/> Other Government |
| <input type="checkbox"/> Corporation | <input checked="" type="checkbox"/> Other, specify: <u>LLC</u> |
| <input type="checkbox"/> Estate | |

E. If the customer type is individual, complete Attachment 1.

F. Is this customer an independent entity?

- ☒ Yes ☐ 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. For Corporations and Limited Partnerships:

What is the Tax Identification Number issued by the State Comptroller: 0801784900

What is the Charter Filing Number issued by the Texas Secretary of State: 32050987638

SECTION 4. CO-APPLICANT INFORMATION

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

A. What is the legal name of the co-applicant?

B. If the applicant is an existing TCEQ customer, provide the Customer Number (CN) issued to this entity? CN

C. What is the contact information for the co-applicant?

Mailing Address:

City, State and Zip Code:

Phone Number: _____ Fax Number:

E-mail Address:

D. Indicate the type of customer:

- | | |
|--|---|
| <input type="checkbox"/> Individual | <input type="checkbox"/> Sole Proprietorship (D.B.A.) |
| <input type="checkbox"/> Limited Partnership | <input type="checkbox"/> Corporation |
| <input type="checkbox"/> General Partnership | <input type="checkbox"/> Estate |
| <input type="checkbox"/> Trust | <input type="checkbox"/> Federal Government |

Company Name: S.A.S Land and Cattle, LLC
Mailing Address: 2329 Plainview Road
City, State and Zip Code: Seymour, Texas 76380
Phone Number: 940-636-8760 Fax Number: N/A E-mail Address:
stallcupcuttinghorses@gmail.com

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

Permit Contact First and Last Name: Noel Courts, P.G.
Title: Environmental Manager Credentials: Professional Geoscientist
Company Name: M.E. Lowther Consulting, LLC
Mailing Address: P.O. Box 7332
City, State and Zip Code: Abilene, Texas 79608
Phone Number: 325-692-5878 Fax Number: 325-692-1293 E-mail Address:
manureisgood@yahoo.com

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)

S.A.S. Land and Cattle, LLC

☐ No, complete this section

Prefix (Mr., Ms., Miss):
First and Last Name:
Title: Credentials:
Company Name:
Mailing Address:
City, State and Zip Code:
Phone Number: Fax Number: E-mail
Address:

SECTION 8. LANDOWNER INFORMATION

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

Landowner Name: S.A.S. Land and Cattle, LLC



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)			
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)			
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other CIP / Notice of Change	
2. Customer Reference Number (if issued)		3. Regulated Entity Reference Number (if issued)	
CN 606361244		RN 104804794	

[Follow this link to search for CN or RN numbers in Central Registry**](#)

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		1/25/2025	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) <i>If new Customer, enter previous Customer below:</i>					
S.A.S. Land and Cattle, LLC					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
0801784900		32050987638			
10. DUNS Number (if applicable)					
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees		13. Independently Owned and Operated?			
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:					
2329 Plainview Road					
City		Seymour		State TX	
ZIP		76380		ZIP + 4 6844	

16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		stallcupcuttinghorses@gmail.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(940) 636-8760		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)							
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)							
S.A.S. Land and Cattle							
23. Street Address of the Regulated Entity: (No PO Boxes)	6725 HWY 287						
	City	Vernon	State	TX	ZIP	76834	ZIP + 4
24. County	Wilbarger						

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

25. Description to Physical Location:							
26. Nearest City				State		Nearest ZIP Code	
Vernon				TX		76834	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:		34.155958		28. Longitude (W) In Decimal:		-99.242797	
Degrees	Minutes	Seconds		Degrees	Minutes	Seconds	
29. Primary SIC Code		30. Secondary SIC Code		31. Primary NAICS Code		32. Secondary NAICS Code	
(4 digits)		(4 digits)		(5 or 6 digits)		(5 or 6 digits)	
211							
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
Beef Cattle Feeder							
34. Mailing Address:		2329 Plainview Road					

	City	Seymour	State	TX	ZIP	76380	ZIP + 4	6844
35. E-Mail Address:		stallcupcuttinghorses@gmail.com						
36. Telephone Number			37. Extension or Code		38. Fax Number (if applicable)			
(940) 636-8760					() -			

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input checked="" type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
		WQ000###000		

SECTION IV: Preparer Information

40. Name:	Noel Courts, P.G.		41. Title:	Environmental Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(325) 692-5878		(325) 692-1293	manureisgood@yahoo.com	

SECTION V: Authorized Signature

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

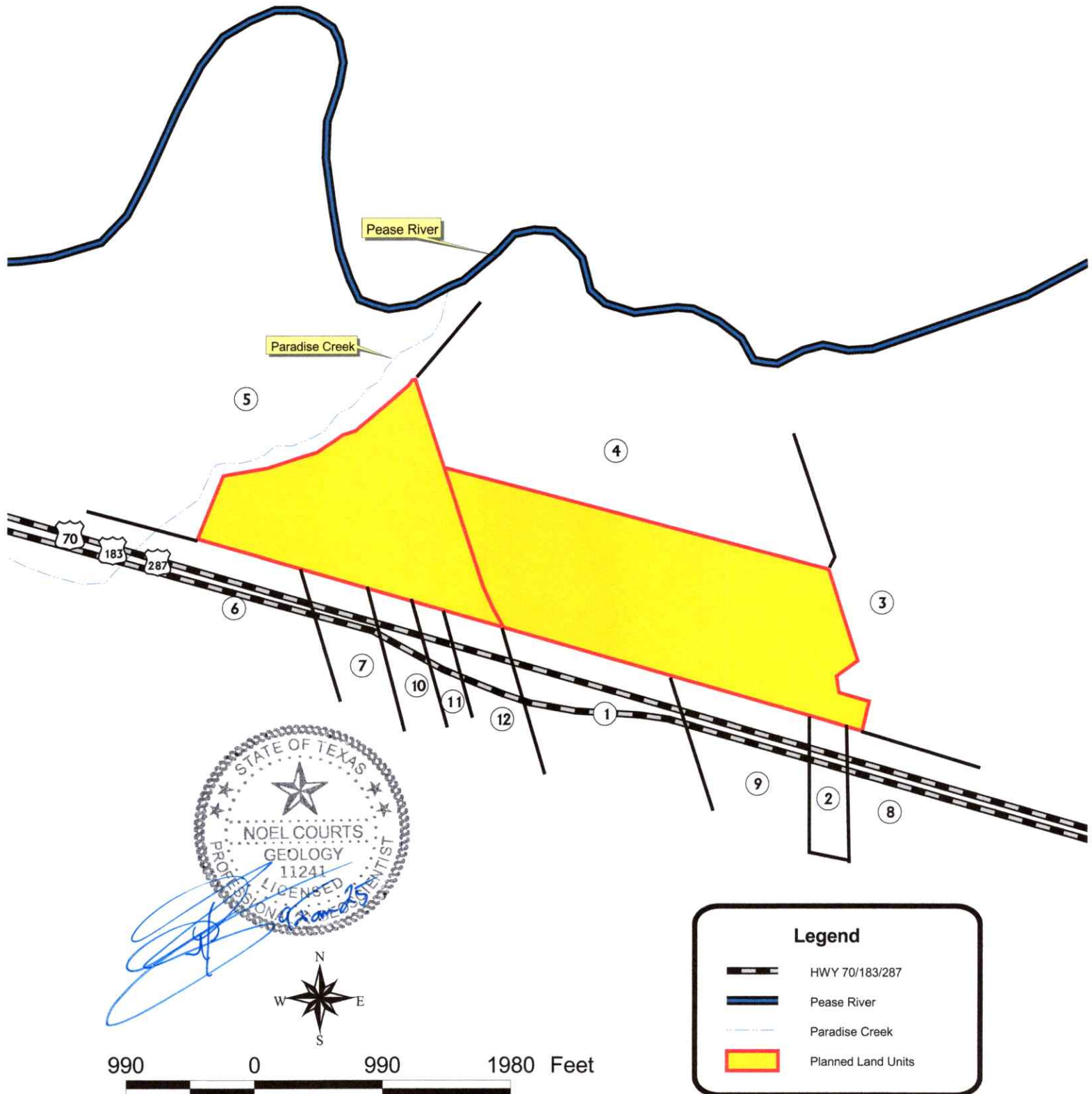
Company:	M.E. Lowther Consulting, LLC	Job Title:	Professional Geoscientist
Name (In Print):	Noel Courts, P.G.	Phone:	(325) 692- 5878
Signature:			Date:



Adjacent Landowners Map

Royce Stallcup, President
S.A.S. Land and Cattle
Date: 01/08/2025

M.E. Lowther Consulting, LLC - F# 50659
Noel Courts, P.G. - Lic No. 11241
325-692-5878



**S.A.S. LAND AND CATTLE
30 TAC 321, SUBCHAPTER B
WQ000####000
NEW APPLICATION**

**S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY, TEXAS**

**PREPARED FOR:
ROYCE STALLCUP, PRESIDENT**

PREPARED BY:


NOEL COURTS, P.G.

**LICENSE No. 11241
CERTIFIED NUTRIENT MANAGEMENT SPECIALIST
LICENSE No. TX20221**



M.E. LOWTHER CONSULTING, LLC
ENVIRONMENTAL MANAGEMENT CONSULTANTS






**P.O. Box 7332
Abilene, Texas 79608-7332
Office: (325)692-5878
Fax: (325)692-1293
Email: manureisgood@yahoo.com**

**S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY, TEXAS**









**SUBCHAPTER B PERMIT APPLICATION
NEW PERMIT WQ000####000**

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-  • TCEQ FORM – 00760, TECHNICAL INFORMATION PACKET FOR CAFO
-  • TCEQ FORM - 10400, CORE DATA FORM
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**S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY, TEXAS**

**SUBCHAPTER B PERMIT APPLICATION
NEW PERMIT WQ000####000**

SECTION 1: ADMINISTRATIVE INFORMATION

- ☐ TCEQ FORM - 00728, APPLICATION FOR A CONCENTRATED ANIMAL FEEDING OPERATION PERMIT (CAFO)
- ☐ TCEQ FORM - 10053, SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)
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- ☐ TCEQ FORM - 10400, CORE DATA FORM
- ☐ PROOF OF OWNERSHIP – CAD



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: S.A.S. Land and Cattle, LLC
- 2) Enter Customer Number: CN
- 3) Name of facility: S.A.S. Land and Cattle
- 4) Enter Regulated Entity Number: RN104804794
- 5) Provide your permit Number: WQ000####000
- 6) Facility Business: This facility currently can contain 999 Total Beef Cattle in confinement. The facility has 1 Land Management Units (LMUs); LMU #1 - 70 acres. There is one Proposed Retention Control Structure; Proposed RCS #1 is required to be 10.00 ac-ft (Proposed Required Storage). There are three water wells and one plugged water well located on the facility. The facility is located in the drainage area of Paradise Creek in Segment No. 0230A and Pease River Segment No 0230.
- 7) Facility Location: 7035 HWY 287 E, Vernon, Texas 76384
- 8) Application Type: Initial Application, TCEQ 00728 IPA & TCEQ 00760 TIP
- 9) Description of your request: Increase in headcount from 999 Total Beef Cattle to 3,000 Total Beef Cattle, New Proposed RCS#1 and Land Management Unit Acreage LMU #1 - 70 acres.
- 10) Potential pollutant sources at the facility include (list the pollutant sources):
Manure, Wastewater, Dust, lubricants, Feed, Fuel Storage, Medicines, Cleaning Chemicals
- 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): Manure will be stored within the drainage area of Proposed RCS #1. Wastewater will be stored in Proposed RCS #1 until properly irrigated through Big Gun and Reel. Manure will be hauled offsite. Proposed RCS #1 will be designed to store and maintain the sludge and 25yr-24hr rainfall. All other cleaners, lubricants, fuels and medicines will be maintained and all manufacturers' directions followed. Dead cows will be composted within the drainage area of the RCS or hauled offsite.

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.

PLANTILLA EN INGLÉS PARA SOLICITUDES DE PERMISOS CAFO

Se proporciona el siguiente resumen para esta solicitud pendiente de permiso de calidad del agua que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Plan de Participación Pública y el Plan de Acceso Lingüístico de TCEQ. La información proporcionada en este sumario puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutable federal de la solicitud de permiso.

- 1) Nombre del solicitante: S.A.S. Land and Cattle, LLC
- 2) [Introduzca el número de cliente](#): CN
- 3) Nombre de la instalación: S.A.S. Land and Cattle
- 4) [Ingresa el número de entidad regulada](#): RN104804794
- 5) Proporcione su número de permiso: WQ000####000
- 6) Negocio de instalaciones: Esta instalación actualmente puede contener 999 bovinos de carne total en confinamiento. La instalación cuenta con 1 Unidades de Manejo de Tierras (UML); LMU #1 - 70 acres. Hay una Estructura de Control de Retención Propuesta; Se requiere que el RCS #1 propuesto sea de 10.00 ac-ft (Almacenamiento Requerido Propuesto). Hay tres pozos de agua y un pozo de agua taponado ubicados en la instalación. La instalación está ubicada en el área de drenaje de Paradise Creek en el Segmento No. 0230A y el Segmento No. 0230 del Río Pease.
- 7) Ubicación de la instalación: 7035 HWY 287 E, Vernon, Texas 76384
- 8) Tipo de aplicación: Aplicación inicial, TCEQ 00728 IPA y TCEQ 00760 TIP
- 9) Descripción de su solicitud: Aumento en el número de empleados de 999 cabezas de ganado vacuno total a 3,000 cabezas de ganado vacuno total, nueva propuesta RCS # 1 y superficie de la unidad de manejo de tierras LMU # 1 - 70 acres.
- 10) Las fuentes potenciales de contaminantes en la instalación incluyen (enumere las fuentes contaminantes): Estiércol, aguas residuales, polvo, lubricantes, piensos, almacenamiento de combustible, medicamentos, productos químicos de limpieza
- 11) Las siguientes mejores prácticas de manejo se implementarán en el sitio para manejar los contaminantes de las fuentes contaminantes enumeradas (describa las mejores prácticas de manejo que se utilizan): El estiércol se almacenará dentro del área de drenaje del RCS # 1 propuesto. Las aguas residuales se almacenarán en el RCS propuesto # 1 hasta que se rieguen adecuadamente a través de Big Gun y Reel. El estiércol se transportará fuera del sitio. El RCS #1 propuesto estará diseñado para almacenar y mantener el lodo y las lluvias las 25 horas del día. Todos los demás limpiadores, lubricantes, combustibles y medicamentos se mantendrán y se seguirán todas las instrucciones del fabricante. Las vacas muertas se convertirán en abono dentro del área de drenaje del RCS o se transportarán fuera del sitio.

A menos que se limite lo contrario, el estiércol, lodo o aguas residuales no se descargarán de una unidad de manejo de tierras (LMU) o una estructura de control de retención (RCS) en o adyacentes al agua en el estado de una CAFO, excepto como resultado de cualquiera de las siguientes condiciones:

- 1) una descarga de estiércol, lodo o aguas residuales que el permisionario no puede prevenir o controlar razonablemente como resultado de una condición catastrófica que no sea un evento de lluvia;
- 2) desbordamiento de estiércol, lodo o aguas residuales de un RCS resultante de un evento de lluvia crónica / catastrófica; o
- 3) una descarga de lluvia crónica/catastrófica de una LMU que ocurre porque el permisionario toma medidas para deshidratar el RCS si el RCS está en peligro de desbordamiento inminente.

Microsoft®
TranslatorX
Original

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.



Texas Commission on Environmental Quality

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
☐ 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

- ☒ Requires public notice,
☐ Considered to have significant public interest, and
☐ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**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 **brief** explanation.

Not located in any of the geographical locations, not considered to have significant public interest.

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

☒ Texas Pollutant Discharge Elimination System (TPDES)
☐ Texas Land Application Permit (TLAP)
☒ State 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

Provide a brief description of planned activities.

Addition of new lots, Addition of RCS, and increase in head count.

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.

Vernon

(City)

Wilbarger

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

☐

City

☐

County

☐

Census Tract

- (a) Percent of people over 25 years of age who at least graduated from high school
- (b) Per capita income for population near the specified location
- (c) Percent of minority population and percent of population by race within the specified location
- (d) Percent of Linguistically Isolated Households by language within the specified location
- (e) Languages commonly spoken in area by percentage
- (f) Community and/or Stakeholder Groups
- (g) Historic public interest or involvement

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?

☐ 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.

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?

- ☐ Publish in alternative language newspaper
- ☐ Posted on Commissioner's Integrated Database Website
- ☒ Mailed by TCEQ's Office of the Chief Clerk
- ☐ Other (specify)



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 Waiver

☐ 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))

☐ No, you must submit your application electronically through TCEQ ePermits system (STEERS) at <https://www3.tceq.texas.gov/steers/index.cfm>. Check [How to Apply through STEERS](#).

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: TEX 123456789

Check/Money Order Amount: \$350.00

Name Printed on Check: John Doe

EPAY

Voucher Number: 123456789

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:

E. For existing permits:

What is the permit number?

What is the EPA I.D. Number? TX

SECTION 3. FACILITY OWNER (APPLICANT) INFORMATION

- A. What is the legal name of the facility owner?
S.A.S. Land and Cattle, LLC
- B. If the applicant is an existing TCEQ customer, provide the Customer Number (CN) issued to this entity? CN
- C. What is the contact information for the owner?
Mailing Address: 2329 Plainview Road

City, State and Zip Code: Seymour, Texas 76380

Phone Number: 940-636-8760 Fax Number: N/A

E-mail Address: N/A

D. Indicate the type of customer:

- | | |
|---|--|
| <input type="checkbox"/> Individual | <input type="checkbox"/> Federal Government |
| <input type="checkbox"/> Limited Partnership | <input type="checkbox"/> County Government |
| <input type="checkbox"/> General Partnership | <input type="checkbox"/> State Government |
| <input type="checkbox"/> Trust | <input type="checkbox"/> City Government |
| <input type="checkbox"/> Sole Proprietorship (D.B.A.) | <input type="checkbox"/> Other Government |
| <input type="checkbox"/> Corporation | <input checked="" type="checkbox"/> Other, specify: <u>LLC</u> |
| <input type="checkbox"/> Estate | |

E. If the customer type is individual, complete Attachment 1.

F. Is this customer an independent entity?

- ☒ Yes ☐ 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. For Corporations and Limited Partnerships:

What is the Tax Identification Number issued by the State Comptroller: 0801784900

What is the Charter Filing Number issued by the Texas Secretary of State: 32050987638

SECTION 4. CO-APPLICANT INFORMATION

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

A. What is the legal name of the co-applicant?

B. If the applicant is an existing TCEQ customer, provide the Customer Number (CN) issued to this entity? CN

C. What is the contact information for the co-applicant?

Mailing Address:

City, State and Zip Code:

Phone Number: _____ Fax Number:

E-mail Address:

D. Indicate the type of customer:

- | | |
|--|--|
| <input type="checkbox"/> Individual | <input type="checkbox"/> General Partnership |
| <input type="checkbox"/> Limited Partnership | <input type="checkbox"/> Trust |

- | | |
|---|---|
| <input type="checkbox"/> Sole Proprietorship (D.B.A.) | <input type="checkbox"/> State Government |
| <input type="checkbox"/> Corporation | <input type="checkbox"/> City Government |
| <input type="checkbox"/> Estate | <input type="checkbox"/> Other Government |
| <input type="checkbox"/> Federal Government | <input type="checkbox"/> Other, specify: <input type="text"/> |
| <input type="checkbox"/> County Government | |

E. If the customer type is individual, complete Attachment 1.

F. Is this customer an independent entity?

- ☐ Yes ☐ 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. For Corporations and Limited Partnerships:

What is the Tax Identification Number issued by the State Comptroller:

What is the Charter Filing Number issued by the Texas Secretary of State:

SECTION 5. APPLICATION CONTACT INFORMATION

This is the person TCEQ will contact if additional information is needed about this application.

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

Application Contact First and Last Name: Noel Courts, P.G.

Title: Environmental Manager Credentials: Professional Geoscientist

Company Name: M.E. Lowther Consulting, LLC

Mailing Address: P.O. Box 7332

City, State and Zip Code: Abilene, Texas 79608

Phone Number: 325-692-5878 Fax Number: 325-692-1293

E-mail Address: manureisgood@yahoo.com

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: Royce Stallcup

Title: Owner Credentials: President
Company Name: S.A.S Land and Cattle, LLC
Mailing Address: 2329 Plainview Road
City, State and Zip Code: Seymour, Texas 76380
Phone Number: 940-636-8760 Fax Number: N/A E-mail Address: N/A

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

Permit Contact First and Last Name: Noel Courts, P.G.
Title: Environmental Manager Credentials: Professional Geoscientist
Company Name: M.E. Lowther Consulting, LLC
Mailing Address: P.O. Box 7332
City, State and Zip Code: Abilene, Texas 79608
Phone Number: 325-692-5878 Fax Number: 325-692-1293 E-mail Address:
manureisgood@yahoo.com

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)

S.A.S. Land and Cattle, LLC

☐ No, complete this section

Prefix (Mr., Ms., Miss):
First and Last Name:
Title: Credentials:
Company Name:
Mailing Address:
City, State and Zip Code:
Phone Number: Fax Number: E-mail
Address:

SECTION 8. LANDOWNER INFORMATION

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

Landowner Name: S.A.S. Land and Cattle, LLC

B. Landowner of the land management units (LMUs)

Landowner Name: S.A.S. Land and Cattle, LLC

SECTION 9. PUBLIC NOTICE INFORMATION

A. Individual responsible for publishing the notices in the newspaper

Prefix (Mr., Ms., Miss): Mr. First and Last Name: Mitchell Lowther

Title: Consultant Credentials:

Company Name: M.E. Lowther Consulting, LLC

Mailing Address: P.O. Box 7332

City, State and Zip Code: Abilene, Texas 79608

Phone Number: 325-692-5878 Fax Number: 325-692-1293 E-mail Address:
mlowther001@hotmail.com

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

☐ E-mail:

☐ Fax Number:

☒ Regular Mail:

Mailing Address: P.O. Box 7332

City, State and Zip Code: Abilene, Texas 79608-7332

C. Contact person to be listed in the notice

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

First and Last Name: Royce Stallcup

Title: Owner Credentials: President

Company Name: S.A.S. Land and Cattle, LLC

Phone Number: 940-636-8760

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: Vernon Public Library

Physical Address of Building: 2810 Wilbarger St.

City: Vernon County: Wilbarger

Phone Number: 940-552-2462

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 ☐ No ☒

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? N/A

SECTION 10. REGULATED ENTITY (SITE) INFORMATION

A. Site Name as known by the local community: S.A.S Land and Cattle

B. If this is an existing permitted site, provide the Regulated Entity Number (RN) issued to this site? RN 104804794

C. Site Address/Location:

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

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: 7035 HWY 287 E

City, State and Zip Code: Vernon, Texas 76384

Item 2: Site Location Description:

Location description:

City where the site is located or, if not in a city, what is the nearest city:

Zip Code where the site is located:

D. County or counties if more than 1: Wilbarger County

E. Latitude: 34.155958 N Longitude: -99.2242797 W

F. Animal Type:

- ☐ Dairy-0241
☒ Beef Cattle- 0211
☐ Swine-0213
☐ Broiler-0251
☐ Laying Hens-0252

- ☐ Sheep/Goats-0214
☐ Auction-5154
☐ Other, specify:

G. Existing Maximum Number of Animals: 999

Proposed Maximum Number of Animals: 3,000

H. What is the total LMU acreage? 70 Acres

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 ☐ No ☒

If yes, provide the name(s) of the former TCEQ employee(s):

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 ☒

D. Is any permanent school fund land affected by this application? Yes ☐ No ☒

If yes, provide the location and foreseeable impacts and effects this application has on the land(s).

E. Delinquent Fees and Penalties:

Do you owe fees to the TCEQ? Yes ☐ No ☒

Do you owe any penalties to the TCEQ? Yes ☐ No ☒

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

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.

Willbarger County CAD

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. 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: N/A

Applicant: Royce Stallcup

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: Royce Stallcup

Title: President

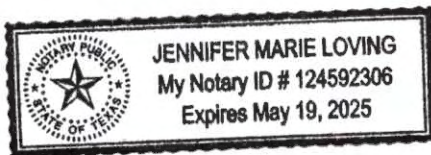
Signature: Royce Stallcup Date: 2-7-25

SUBSCRIBED AND SWORN to before me by the said _____ on

this 7th day of February, 20 25

My commission expires on the 19th day of May, 20 25

(Seal)



Jennifer M. Loving
Notary Public
Baylor, Texas.
County, Texas

TCEQ USE ONLY

Application type: <input type="checkbox"/> Renewal <input type="checkbox"/> Major Amendment <input type="checkbox"/> Minor Amendment <input type="checkbox"/> New County: _____ Admin Complete Date: _____ Agency Receiving SPIF: <input type="checkbox"/> Texas Historical Commission <input type="checkbox"/> U.S. Fish and Wildlife <input type="checkbox"/> Texas Parks and Wildlife <input type="checkbox"/> Army Corps of Engineers
--

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form is required for all TPDES applications

1. Applicant: S.A.S. Land and Cattle, LLC
2. Permit Number: ____ EPA ID Number: _____
3. Address of the project (location description that includes street/highway, city/vicinity, and county). 7035 HWY 287 E, Vernon, Texas 76384
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: Noel Courts, P.G.
 Company Name: M.E. Lowther Consulting, LLC
 Mailing Address: P.O. Box 7332
 City, State, and Zip Code: Abilene, Texas 79608-7332
 Phone Number: 325-692-5878 Fax Number: 325-692-1293
5. County where the facility is located: Wilbarger
6. If the property is publicly owned and the owner is different than the permittee/applicant, please identify the owner.
7. Identify the name of the water body (receiving waters) and TCEQ segment number that will receive the discharge. 0230A Paradise Creek, 0230 Pease River
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.
10. 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): Proposed RCS #1, 1.5 acres and 6ft deep

12. Describe existing disturbances, vegetation & land use (plowing, other ground disturbances):
Aeriation of hayland and no-till of winter pasture.

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

13. List construction dates of any buildings or structures on the property:

14. Provide a brief history of the property, and name of the architect/builder, if known: N/A

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

15. List each Retention Control Structure and its required capacity (Acre Feet). Proposed RCS #1
- 10.00 ac-ft

16. Provide the location and number of acres where wastewater and manure are land applied:
LMU #1 - 70 acres

17. List the maximum number of head to be permitted. 3,000

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit you APPLICATION FEE, if you are mailing your payment.

- Complete items 1 through 5 below:
- Staple your check in the space provided at the bottom of this document.
- Do not mail this form with your application form.
- Do not mail this form to the same address as your application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and your check to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental
Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, TX 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental
Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, TX 78753

Fee Code: WQP Wastewater Permit Number: WQ000

1. Check / Money Order Number:
2. Amount of Check/Money Order: 350.00
3. Date of Check or Money Order:
4. Name on Check or Money Order:
5. APPLICATION INFORMATION

If the check is for more than one application, attach a list of each Project/Site (RE) Name and Physical Address exactly as provided on the application.

Project/Site (RE) Name: S.A.S. Land and Cattle

Project/Site (RE) Physical Address: 7035 HWY 287E, Vernon, Texas 76380

Staple Check in This Space

TCEQ - 20134



TECHNICAL INFORMATION PACKET FOR CONCENTRATED ANIMAL FEEDING OPERATIONS (CAFOs)

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

Name of Site: S.A.S. Land and Cattle

TCEQ Permit Number, if assigned: WQ000 

Date Prepared: 1/27/2025

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 Attachment 2A
Wastewater	
Sludge	
Compost	
Feed and Bedding	
Silage stockpiles	
Dead animals	
Dust	
Lubricants	
Pesticides	
Bulk cleaning chemicals	
Inorganic fertilizers	
Fuel storage tanks	
Other, specify: <input type="text"/>	

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
- ☐ Other; specify:

S.A.S. LAND AND CATTLE
TCEQ – 00760 – Technical Report (04/2020)
[1. Potential Pollutant Source / Best
Management Practice]
Attachment 2A



M.E. LOWTHER CONSULTING, LLC
ENVIRONMENTAL MANAGEMENT CONSULTANTS

P.O. Box 7332
Abilene, Texas 79608-7332
Office: (325)692-5878
Fax: (325)692-1293
Email: manureisgood@yahoo.com

Potential Pollutant Source	Best Management Practice
Manure	Manure generated in the open lots is scraped and removed on a daily/weekly/monthly basis and then applied to designated Land Management Units (LMU's) or hauled offsite. Land application will be performed in accordance with the NMP.
Dust/Vehicle Traffic	Reduced traffic speed during dry conditions will help contain dust. During the driest conditions water will be added to feed to reduce Dust around the facility.
Pesticides/Herbicides Inorganic Fertilizers	Proper use, storage, cleanup, and disposal of empty containers following the manufacturer's labels.
Sludge/Slurry	Sludge will be cleaned from the Retention Control Structures (RCS) before sludge volume reaches the designed capacity for the structures. A system of agitation and vacuuming into the systems of honey vacuums will remove sludge/ slurry from RCS'(s) or a system completed by mechanical means to remove the solids from the RCS(s).
Lubricants/Oils	All oil and lubricant products will be stored in a covered storage area or in covered waterproof containers. Empty containers are to be disposed of following guidelines on the container or placing in a commercial garbage container.
Feed/Bedding	Feed, when spoiled, will be mixed with scraped manure and then applied to designated Land Management Units (LMU's) or hauled offsite. Land application will be performed in accordance with the NMP.
Wastewater	Wastewater is diverted by blocks and berms into the RCS'(s) that will be constructed and certified to meet all NRCS, TCEQ, & EPA requirements.
Fuel Storage Tanks	Fuel storage tanks will be properly maintained. Any minor spill will be promptly cleaned to avoid the potential runoff. Significant Spills will be reported following TCEQ guidelines.
Dead Animals	Dead animals are collected within 24 hours and properly composted or removed from the premises within 72 hours of death following TCEQ guidelines.
Medicines	Follow manufacturer's directions for use and the disposal of empty containers.
Bulk Cleaning Chemicals	Store in cool dry places. Follow manufacturer's directions for use and the disposal of empty containers.

S.A.S. LAND AND CATTLE
TCEQ – 00760 – Technical Report (04/2020)
[1. Potential Pollutant Source / Best
Management Practice]
Attachment 2A



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Abilene, Texas 79608-7332
Office: (325)692-5878
Fax: (325)692-1293
Email: manureisgood@yahoo.com

<u>Potential Pollutant Source</u>	<u>Best Management Practice</u>
Compost	Utilize current NRCS, or TCEQ guidelines for proper methods of composting. Place compost piles where rainfall is directed into RCS's. Compost area will be stored within the drainage area of RCS #1 in the Manure Storage Area.
Manure (<i>Disposal Method</i>)	Manure will be scraped and removed from the open lots (<i>see Manure</i>) and hauled to LMU's or Offsite. All excess solid manure will be hauled offsite by contract hauler. Land application will be performed in accordance with the NMP.
Wastewater (<i>Disposal Method</i>)	Wastewater will be irrigated from RCS #1 (<i>see Wastewater</i>) to LMU #1 as needed to ensure the ability to store a 25yr-24hr rainfall event. Land application will be performed in accordance with the NMP.
Drainage Area / Pen Maintenance	The pens shall be scraped and all diversions maintained and free of solid manure and debris build up to ensure proper flow into Retention Control Structures (RCS) and to prevent any ponding or puddling.
Silage Stockpiles	Silage stockpiles will be bagged in encapsulated plastic as to prevent possible seepage. These piles will be maintained to prevent the runoff of silage liquor.

- 2) Total Number of Animals:
In Open Lots: 3,000 In Buildings: Click here to enter text
- 3) Animal Housing Location, hours/day:
Open Lots: 3,000 Buildings: Click here to enter text
- 4) Average Liveweight, pounds per head: 800lbs
- 5) Volatile Solids Removed by Separator System: N/A
- 6) Volatile Solids Loading Rate, lbs/day/1000 ft³: N/A
- 7) Spilled Drinking Water, gallons/day: 0 gal/day
- 8) Water for Cleanup, gallons/day: 0 gal/day
- 9) Water for Manure Removal, gallons/day: 0 gal/day
- 10) Recycled Wastewater, gallons/day: -0-

B. Wastewater Runoff

- 1) Design Rainfall Amount, inches: 6.75
- 2) Design Rainfall Event:
 - ☒ 25-year, 24 hour
 - ☐ Soil Plant Air and Water (SPAW) Field and Pond Hydrology Model
 - ☐ 25-year, 10 day
 - ☐ 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
RCS #1	6.62	-0-	-0-	2.20	1.18	10.00	10.23*
						*Proposed	

Indicate which RCSs are in-series: None

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	IP	IP

E. Playa Lakes

Are any playa lakes used for RCSs? Yes ☐ No ☒

SECTION 3. MANURE, SLUDGE, AND WASTEWATER HANDLING

A. Manure:

- 1) Use or Disposal Method:
 - ☒ Land Application to LMUs
 - ☒ Transfer to other persons
 - ☐ Third Party Fields
 - ☐ Other; specify:
- 2) Land Application Location:
 - ☒ Onsite ☒ Offsite ☐ Not Applicable
- 3) Composting Location:
 - ☒ Onsite ☐ Offsite ☐ Not Applicable

B. Sludge:

- 1) Use or Disposal Method:
 - ☒ Land Application to LMUs
 - ☒ Transfer to other persons
 - ☐ Third Party Fields
 - ☐ Other; specify:
- 2) Land Application Location:
 - ☒ Onsite ☐ Offsite ☐ Not Applicable

C. Wastewater:

1) Use or Disposal Method:

- ☒ Land Application to LMUs
☐ Total Evaporation
☐ Third Party Fields
☐ Other; specify:

2) Land Application Location:

- ☒ Onsite ☒ Offsite ☐ 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)
LMU #1	70	Coastal 4cut Hay/SG Mod Graze	.092 Ac-ft/ac/yr

- 1) Wastewater production, ac-in/year: 71.40 ac-in/yr from WATRNTNR
2) Estimated Wastewater application, ac-in/year: 71.40 ac-in/yr from WATRNTNR
3) Manure production, tons/year: 4906 Dry Tons/yr from WATRNTNR
4) Estimated manure application, tons/year: 0 Dry Tons/yr
5) Estimated manure transferred to other persons, tons/year: Up to 4906 Dry tons/yr

E. Floodplain Information

- 1) Is any part of the production area within a 100-year floodplain? Yes ☐ No ☒

If YES, describe management practices to protect the sites.

- 2) 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.

F. Soil Limitations

Table 5: Soil Limiting Characteristics and Best Management Practices

Soil Types	Limiting Characteristics	Best Management Practices
See Attachment		

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
W #1	Domestic	Producing	Cased	150' Buffer
W #2	Domestic	Producing	Cased	150' Buffer
W #3	Domestic	Producing	Cased	150' Buffer
PW #4	Domestic	Non-Producing	Capped	Plugged

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.

S.A.S. LAND AND CATTLE
TCEQ – 00760 – Technical Report (04/20/2020)
[F. Soil Limitations:]
Attachment 5A of 10.



M.E. LOWTHER CONSULTING, LLC
ENVIRONMENTAL MANAGEMENT CONSULTANTS

P.O. Box 7332
Abilene, Texas 79608-7332
Office: (325)692-5878
Fax: (325)692-1293
Email: manureisgood@yahoo.com

Soil Types	Limiting Characteristics	Best Management Practice
Enterprise (EnA)	Slow Water Movement	Permanent Vegetation; High residue crop Land application at agronomic rates.
Enterprise (EnB)	Slow Water Movement	Permanent Vegetation; High residue crop Land application at agronomic rates.
Enterprise (EnC)	Slow Water Movement	Permanent Vegetation; High residue crop Land application at agronomic rates.
Miles (MfB)	Slow Water Movement	Permanent Vegetation; High residue crop Land application at agronomic rates.

B. Indicate the AFO Status and Buffer Option.

- ☐ Operation started after August 19, 1998:
- ☐ ½ mile buffer*
 - ☐ ¼ mile buffer* and an odor control plan
- ☒ Operation started on or before August 19, 1998:
- ☐ 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: 0

¼ - ½ mile: 9

½ - 1 mile: 24

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



M.E. LOWTHER CONSULTING, LLC

ENVIRONMENTAL MANAGEMENT CONSULTANTS

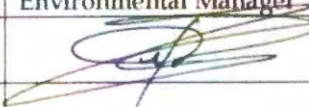

Executive Director
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

Subject: DELEGATION OF SIGNATORIES TO REPORTS

Facility/Company/Site Name: Royce Stallcup, President; S.A.S. Land and Cattle, LLC
Texas General Permit Number: N/A
TPDES Authorization Number: WQ000####000 (IP)

Dear Executive Director:

This letter serves to designate the following people or positions as authorized personnel for signing reports, stormwater pollution prevention plans, Pollution Prevention Plans, Core Data Forms, Annual Reporting Forms, Soil Monitoring Report Forms, Discharge Monitoring Report Forms, certifications or other information requested by the Executive Director or required by the general permit, as set forth by 30 TAC §305.128 (see page 2).

Name or Position	Noel Courts, P.G.; Environmental Manager
Name or Position	
Name or Position	
Name or Position	

I understand that this authorization does not extend to the signing of a Notice of Intent for obtaining coverage under a TCEQ Water Quality or Texas General Permit offered by the TCEQ.

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in 30 TAC §305.44 (see page 2).

Sincerely,



Signature

President

Title

1/9/25
Date

Royce Stallcup

Printed Name

(940) 636-8760
Contact Number



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other CIP / Notice of Change	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN 104804794

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		1/25/2025			
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership							
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)							
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>							
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)			<i>If new Customer, enter previous Customer below:</i>				
S.A.S. Land and Cattle, LLC							
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)				
0801784900	32050987638						
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited				
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:				
12. Number of Employees		13. Independently Owned and Operated?					
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following							
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:							
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant							
15. Mailing Address:	2329 Plainview Road						
	City	Seymour	State	TX	ZIP	76380	ZIP + 4

16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(940) 636-8760		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)							
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)							
S.A.S. Land and Cattle							
23. Street Address of the Regulated Entity: (No PO Boxes)	7035 HWY 287 E						
	City	Vernon	State	TX	ZIP	76834	ZIP + 4
24. County	Willbarger						

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

25. Description to Physical Location:							
26. Nearest City				State		Nearest ZIP Code	
Vernon				TX		76834	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:		34.155958		28. Longitude (W) In Decimal:		-99.242797	
Degrees	Minutes	Seconds		Degrees	Minutes	Seconds	
29. Primary SIC Code		30. Secondary SIC Code		31. Primary NAICS Code		32. Secondary NAICS Code	
(4 digits)		(4 digits)		(5 or 6 digits)		(5 or 6 digits)	
211							
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
Beef Cattle Feeder							
34. Mailing Address:		2329 Plainview Road					

	City	Seymour	State	TX	ZIP	76380	ZIP + 4	6844
35. E-Mail Address:								
36. Telephone Number		37. Extension or Code		38. Fax Number (if applicable)				
(940) 636-8760				() -				

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input checked="" type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
		WQ000####000		

SECTION IV: Preparer Information

40. Name:	Noel Courts, P.G.		41. Title:	Environmental Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(325) 692-5878		(325) 692-1293	manureisgood@yahoo.com	

SECTION V: Authorized Signature

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

Company:	M.E. Lowther Consulting, LLC	Job Title:	Professional Geoscientist
Name (In Print):	Noel Courts, P.G.	Phone:	(325) 692- 5878
Signature:			Date:



Franchise Tax Account Status

As of : 01/06/2025 09:32:39

This summary page is designed to satisfy standard business needs. If you need to reinstate or terminate a business with the Texas Secretary of State, you must obtain a certificate specific to that purpose.

S. A. S. LAND AND CATTLE, LLC	
Texas Taxpayer Number	32050987638
Mailing Address	2329 PLAINVIEW RD SEYMOUR, TX 76380-6844
② Right to Transact Business in Texas	ACTIVE
State of Formation	TX
SOS Registration Status (SOS status updated each business day)	ACTIVE
Effective SOS Registration Date	05/15/2013
Texas SOS File Number	0801784900
Registered Agent Name	ROYCE STALLCUP
Registered Office Street Address	2329 PLAINVIEW ROAD SEYMOUR, TX 76380

**ACCOUNT**

Parcel ID	114638
Legal Description	ABST 619 (TR 3-6.00 AC) LYING WEST OF FM RD 1763
Additional Legal Information	BLK 12
Additional Legal Information 2	SEC 12 H&TC
Additional Legal Information 3	SEE DEED--SAVE& EXCEPTS
Geographic ID	0012-012-0619-041-4
Description	Real Estate
Agent	
Category Code	D1 - REAL PROP AG QUAL
Total Acres	4.8200

OWNER

Owner ID	R755979
Name	S A S LAND AND CATTLE LLC
Care of	
Mailing Address	2329 PLAINVIEW RD SEYMOUR TX 76380
% Ownership	1.000000
Exemptions	

LOCATION

Location	HWY 287 EAST VERNON TX 76384
Map ID	

VALUES

VALUES SHOWN ARE 2024 CERTIFIED VALUES



Improvement Hs	0
Improvement Nhs	0
New Improvement Hs	0
New Improvement Nhs	0
Land Hs	0
Land Nhs	0
Market Value	11,570
Land Market Value	11,570
Ag/Timber Value	320
Market Taxable	320
Homestead Cap Loss	0
Circuit Breaker Loss	0
Appraised Value	320

IMPROVEMENT BUILDING



Sequence	Type	Class	Year Built	Eff Year	Sqft	Total Value
----------	------	-------	------------	----------	------	-------------

LAND



Sequence	Type	Description	Acres	Sqft	Eff Front	Eff Depth	Market Value	Prod. Value
1	DLCP	Dryland cropland	4.8200	0.00	0.00	0.00	11570	320

TAXING JURISDICTIONS

Entity	Description	Tax Rate	Market Value	Taxable Value
GH	WILBARGER GENERAL HOSPITAL	0.2709890	11,570	320
RB	ROAD AND BRIDGE	0.1479300	11,570	320
VC	VERNON COLLEGE	0.2037670	11,570	320
VI	VERNON ISD	0.7093000	11,570	320
VIIS	VERNON ISD I&S	0.2200000	11,570	320
WC	WILBARGER COUNTY	0.3472200	11,570	320

DEED HISTORY

Deed Date	Deed Type	Description	Grantor	Grantee	Volume	Page	Number
06-03-2013	WDVL	WD VENDORS LIEN	SMITH INVESTMENT PROPERTIES LLC	S A S LAND AND CATTLE LLC	661	652	00118782

DISCLAIMER : 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.

ACCOUNT



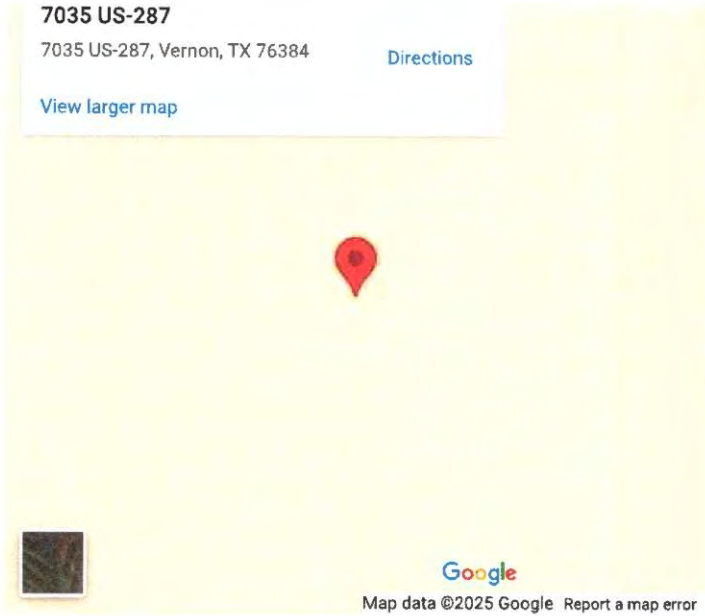
Parcel ID	3069001
Legal Description	ABST 619
Additional Legal Information	BLK 12
Additional Legal Information 2	SEC 12 H&TC
Additional Legal Information 3	S/2 OF THE N/2 (TR 2)
Geographic ID	0012-012-0619-040-4
Description	Real Estate
Agent	
Category Code	D1 - REAL PROP AG QUAL
Total Acres	73.3600

OWNER



Owner ID	R755979
Name	S A S LAND AND CATTLE LLC
Care of	
Mailing Address	2329 PLAINVIEW RD SEYMOUR TX 76380
% Ownership	1.000000
Exemptions	

Show Map



LOCATION



Location 7035 HWY 287 EAST VERNON TX 76384

Map ID

VALUES

Values shown are 2024 Certified Values



Improvement Hs	0
Improvement Nhs	0
New Improvement Hs	0
New Improvement Nhs	0
Land Hs	0
Land Nhs	0
Market Value	141,720
Land Market Value	141,720
Ag/Timber Value	4,470
Market Taxable	4,470
Homestead Cap Loss	0
Circuit Breaker Loss	0



IMPROVEMENT BUILDING



Sequence	Type	Class	Year Built	Eff Year	Sqft	Total Value
----------	------	-------	------------	----------	------	-------------

LAND



Sequence	Type	Description	Acres	Sqft	Eff Front	Eff Depth	Market Value
1	DLCP	Dryland cropland	63.3600	0.00	0.00	0.00	126720
2	DLCP	Dryland cropland	10.0000	0.00	0.00	0.00	15000

TAXING JURISDICTIONS



Entity	Description	Tax Rate	Market Value	Taxable Value
GH	WILBARGER GENERAL HOSPITAL	0.2709890	141,720	4,470
RB	ROAD AND BRIDGE	0.1479300	141,720	4,470
VC	VERNON COLLEGE	0.2037670	141,720	4,470



VI	VERNON ISD	0.7093000	141,720	4,470
VIIIS	VERNON ISD I&S	0.2200000	141,720	4,470
WC	WILBARGER COUNTY	0.3472200	141,720	4,470

DEED HISTORY



Deed Date	Deed Type	Description	Grantor	Grantee	Volume	Page	Number
05-31-2013	WDVL	WD VENDORS LIEN	SMITH INVESTMENT PROPERTIES LLC	S A S LAND AND CATTLE LLC	661	652	118782
01-21-2005	WD	WARRANTY DEED	GRAF WILLIAM E & VIRGINIA	SMITH INVESTMENT PROPERTIES LLC	562	512	093874

DISCLAIMER : 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.

ACCOUNT



Parcel ID	4230002
Legal Description	ABST 156
Additional Legal Information	BLK 12
Additional Legal Information 2	SEC 13 H&TC (ORIGINALLY CALLED A
Additional Legal Information 3	161.3 AC N OF PEASE RIVER) SEE SURVEY & NOTES
Geographic ID	0012-013-0156-140-4
Description	Real Estate
Agent	
Category Code	D1 - REAL PROP AG QUAL
Total Acres	39.4300

OWNER



Owner ID	R755979
Name	S A S LAND AND CATTLE LLC
Care of	
Mailing Address	2329 PLAINVIEW RD SEYMOUR TX 76380
% Ownership	1.000000
Exemptions	

LOCATION



Location
Map ID



Improvement Hs	0
Improvement Nhs	0
New Improvement Hs	0
New Improvement Nhs	0
Land Hs	0
Land Nhs	0
Market Value	39,430
Land Market Value	39,430
Ag/Timber Value	510
Market Taxable	510
Homestead Cap Loss	0
Circuit Breaker Loss	0
Appraised Value	510

IMPROVEMENT BUILDING



Sequence	Type	Class	Year Built	Eff Year	Sqft	Total Value
----------	------	-------	------------	----------	------	-------------

LAND



Sequence	Type	Description	Acres	Sqft	Eff Front	Eff Depth	Market Val
1	NATP	Native pastureland	39.4300	0.00	0.00	0.00	39430

TAXING JURISDICTIONS



Entity	Description	Tax Rate	Market Value	Taxable Value
GH	WILBARGER GENERAL HOSPITAL	0.2709890	39,430	510
RB	ROAD AND BRIDGE	0.1479300	39,430	510
VC	VERNON COLLEGE	0.2037670	39,430	510
VI	VERNON ISD	0.7093000	39,430	510
VIIS	VERNON ISD I&S	0.2200000	39,430	510
WC	WILBARGER COUNTY	0.3472200	39,430	510

DEED HISTORY



Deed Date	Deed Type	Description	Grantor	Grantee	Volume	Page	Number
06-03-2013	DWW	DEED W/O WARR	SMITH INVESTMENT PROPERTIES LLC	S A S LAND AND CATTLE LLC	661	648	118781
06-03-2013		...	S A S LAND AND CATTLE LLC	SMITH INVESTMENT PROPERTIES LLC	661	648	118781
05-31-2013	WDVL	WD VENDORS LIEN	SMITH INVESTMENT PROPERTIES LLC	S A S LAND AND CATTLE LLC	661	652	118782

DISCLAIMER : 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.



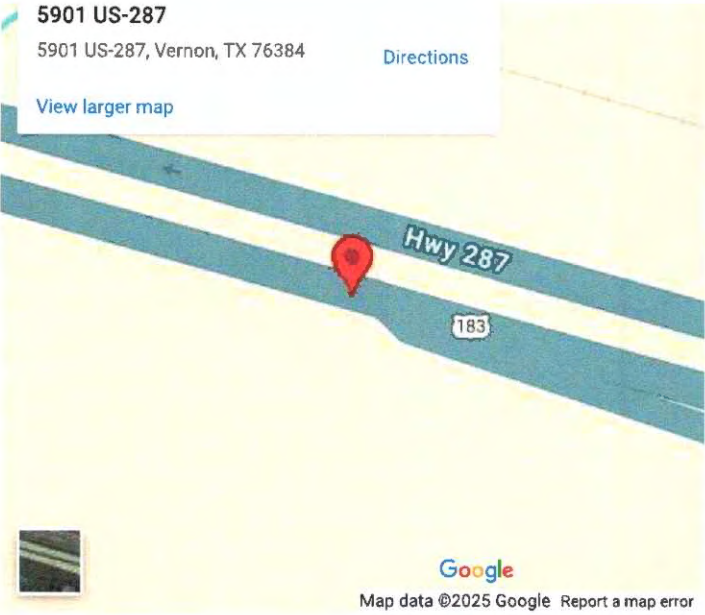
Parcel ID	4335001
Legal Description	ABST 1170
Additional Legal Information	BLK 12
Additional Legal Information 2	SEC 14 H&TC
Additional Legal Information 3	NE PART OF THE S/2
Geographic ID	0012-014-1170-040-4
Description	Real Estate
Agent	
Category Code	D1 - REAL PROP AG QUAL
Total Acres	7.7500

OWNER



Owner ID	R755979
Name	S A S LAND AND CATTLE LLC
Care of	
Mailing Address	2329 PLAINVIEW RD SEYMOUR TX 76380
% Ownership	1.000000
Exemptions	

Show Map 



LOCATION



Location 5901 HWY 287 EAST VERNON TX 76384

Map ID

VALUES

Values shown are 2024 Certified Values



Improvement Hs	0
Improvement Nhs	0
New Improvement Hs	0
New Improvement Nhs	0
Land Hs	0
Land Nhs	0
Market Value	17,830
Land Market Value	17,830
Ag/Timber Value	360
Market Taxable	360
Homestead Cap Loss	0
Circuit Breaker Loss	0

IMPROVEMENT BUILDING



Sequence	Type	Class	Year Built	Eff Year	Sqft	Total Value
----------	------	-------	------------	----------	------	-------------

LAND



Sequence	Type	Description	Acres	Sqft	Eff Front	Eff Depth	Market Value
1	NATP	Native pastureland	7.7500	0.00	0.00	0.00	17830

TAXING JURISDICTIONS



Entity	Description	Tax Rate	Market Value	Taxable Value
GH	WILBARGER GENERAL HOSPITAL	0.2709890	17,830	360
RB	ROAD AND BRIDGE	0.1479300	17,830	360
VC	VERNON COLLEGE	0.2037670	17,830	360
VI	VERNON ISD	0.7093000	17,830	360

DEED HISTORY











Deed Date	Deed Type	Description	Grantor	Grantee	Volume	Page	Number
05-31-2013	WDVL	WD VENDORS LIEN	SMITH INVESTMENT PROPERTIES LLC	S A S LAND AND CATTLE LLC	661	652	118782
07-05-2005	WD	WARRANTY DEED	JONES L A EST MRS	SMITH INVESTMENT PROPERTIES LLC	567	603	095313

DISCLAIMER : 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.

**S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY, TEXAS**

**SUBCHAPTER B PERMIT APPLICATION
NEW PERMIT WQ000####000**

SECTION 2: FACILITY MAPS

-  SITE PLAN MAP
-  LAND MANAGEMENT UNIT (LMU) MAP
-  VICINITY MAP
-  RUNOFF CONTROL MAP
-  SOILS MAP
-  100 YEAR FLOODPLAIN MAP
-  ADJACENT LANDOWNERS MAP & LIST
-  ORIGINAL 7.5 MINUTE USGS QUADRANGLE MAP

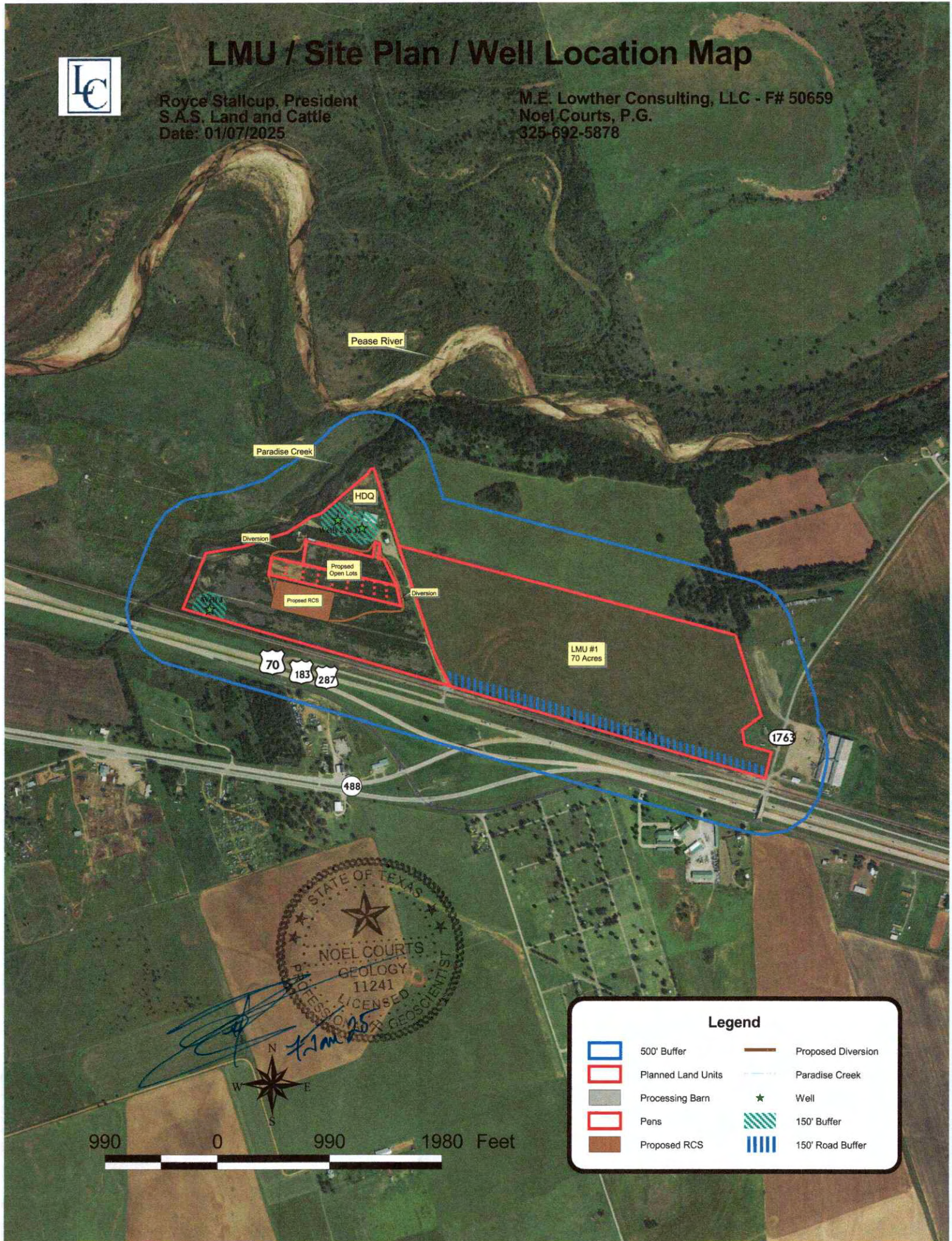




LMU / Site Plan / Well Location Map

Royce Stallcup, President
S.A.S. Land and Cattle
Date: 01/07/2025

M.E. Lowther Consulting, LLC - F# 50659
Noel Courts, P.G.
325-692-5878

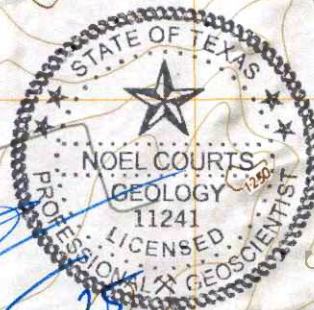
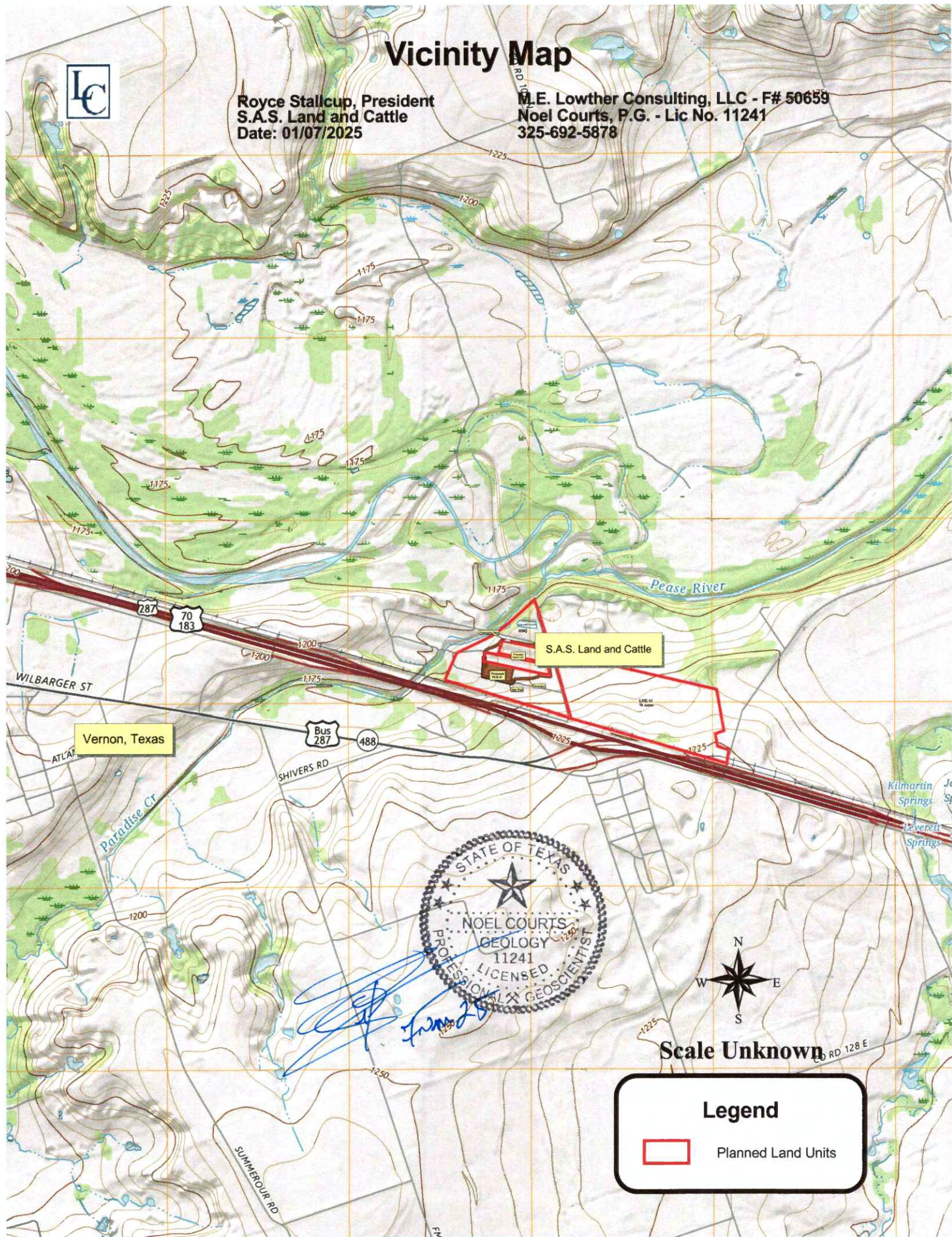


Vicinity Map



Royce Stallcup, President
S.A.S. Land and Cattle
Date: 01/07/2025

M.E. Lowther Consulting, LLC - F# 50659
Noel Courts, P.G. - Lic No. 11241
325-692-5878



Scale Unknown

Legend



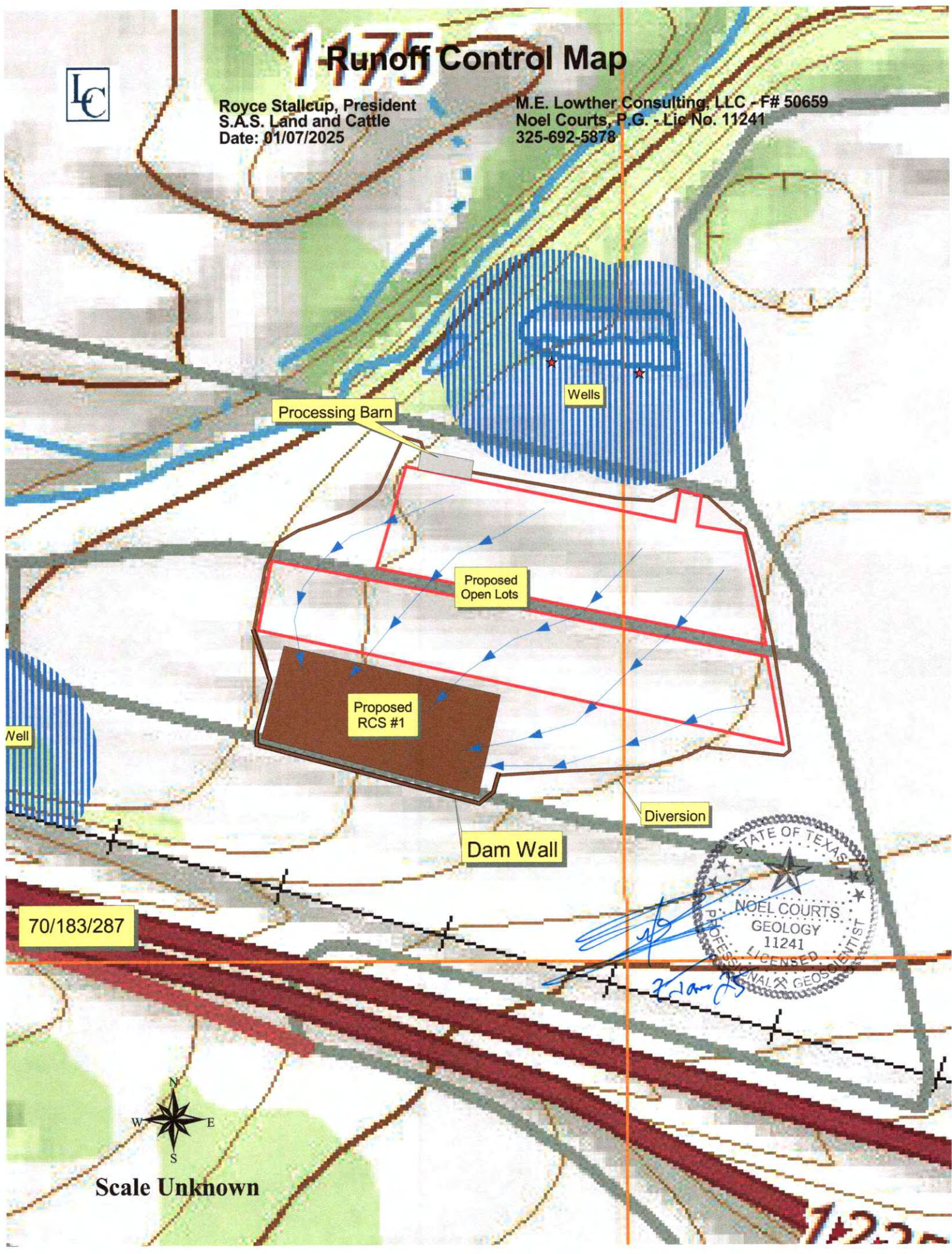
Planned Land Units



1-175 Runoff Control Map

Royce Stallcup, President
S.A.S. Land and Cattle
Date: 01/07/2025

M.E. Lowther Consulting, LLC - F# 50659
Noel Courts, P.G. - Lic No. 11241
325-692-5878



70/183/287

Diversion

Dam Wall

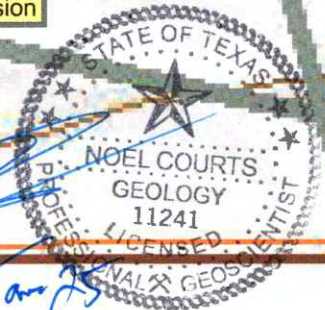
Proposed
RCS #1

Proposed
Open Lots

Wells

Processing Barn

Well



Scale Unknown

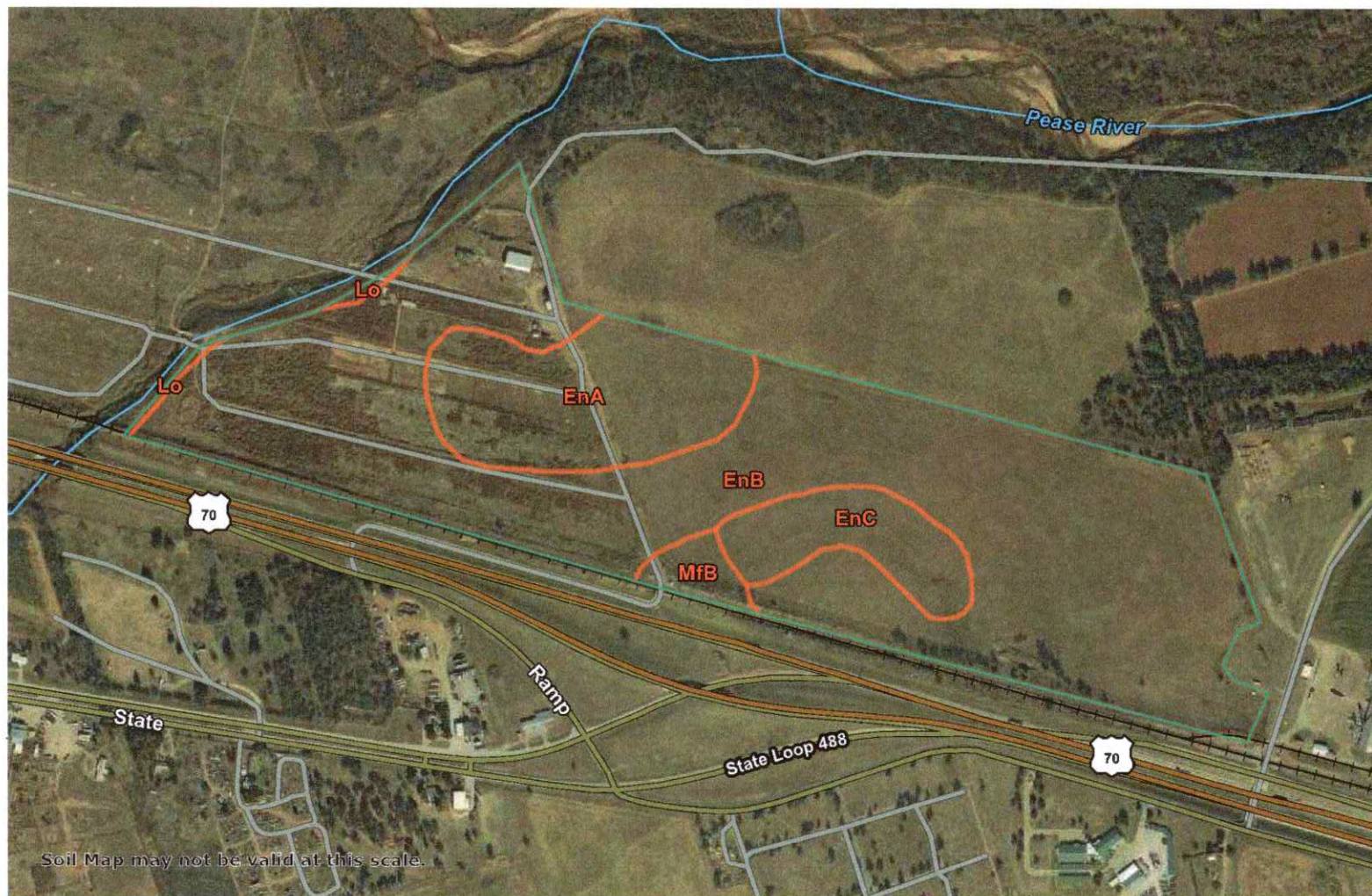
Soil Map—Wilbarger County, Texas
(S.A.S. Land and Cattle, LLC)

99° 14' 47" W

99° 13' 30" W

34° 9' 30" N

34° 9' 30" N



34° 8' 49" N

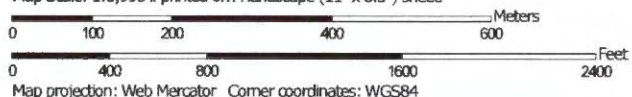
34° 8' 49" N

99° 14' 47" W

99° 13' 30" W



Map Scale: 1:8,990 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

1/7/2025
Page 1 of 3

Soil Map—Wilbarger County, Texas
(S.A.S. Land and Cattle, LLC)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip


 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals


Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Wilbarger County, Texas

Survey Area Data: Version 21, Aug 30, 2024

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

Date(s) aerial images were photographed: Nov 23, 2021—Dec 5, 2021

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



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
EnA	Enterprise very fine sandy loam, 0 to 1 percent slopes	20.0	14.8%
EnB	Enterprise very fine sandy loam, 1 to 3 percent slopes	102.0	75.7%
EnC	Enterprise very fine sandy loam, 3 to 5 percent slopes	9.3	6.9%
Lo	Clairemont clay loam, 0 to 1 percent slopes, frequently flooded	0.7	0.5%
MfB	Miles fine sandy loam, moist, 1 to 3 percent slopes	2.6	1.8%
Totals for Area of Interest		134.6	100.0%

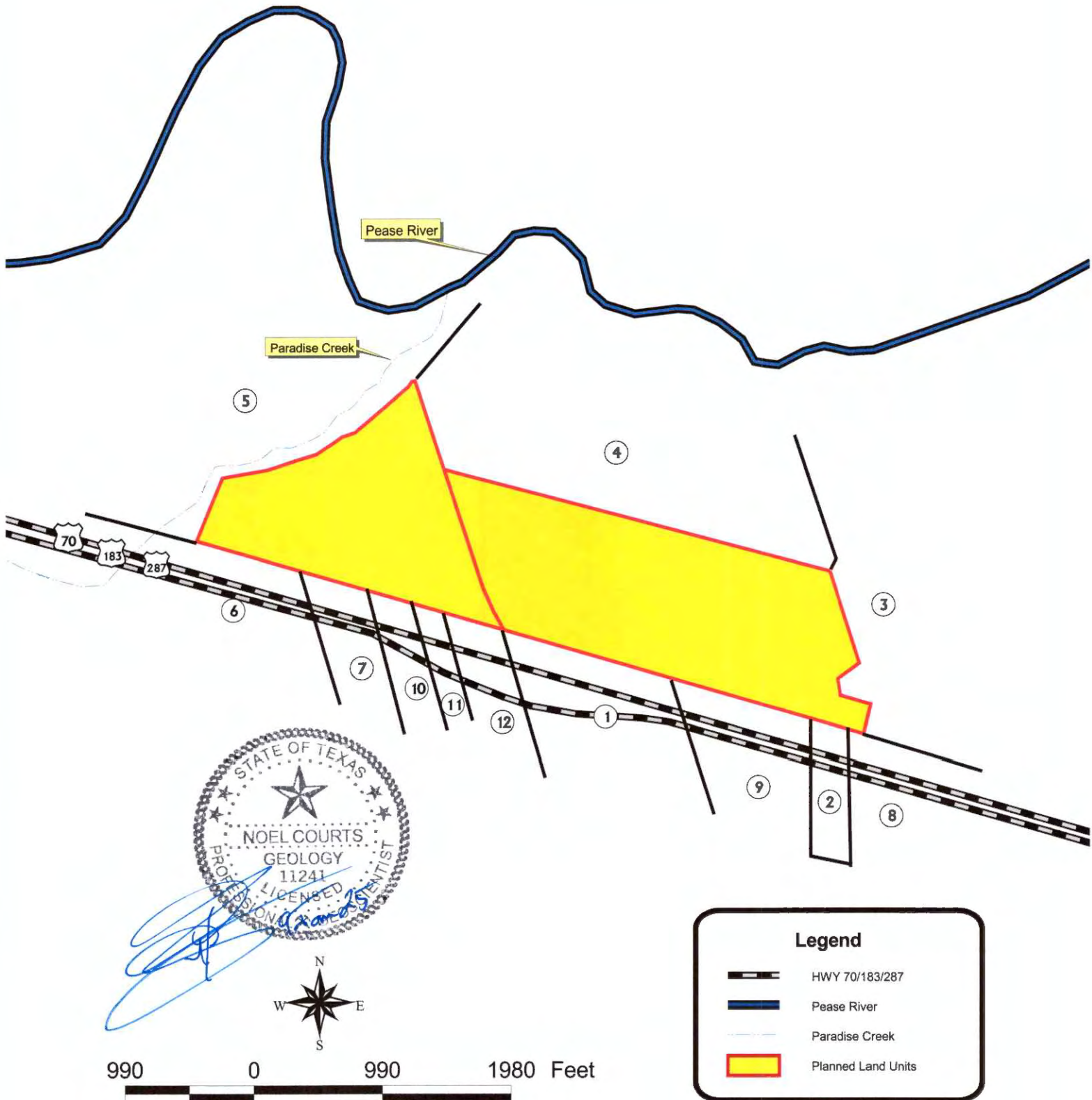




Adjacent Landowners Map

Royce Stallcup, President
S.A.S. Land and Cattle
Date: 01/08/2025



M.E. Lowther Consulting, LLC - F# 50659
Noel Courts, P.G. - Lic No. 11241
325-692-5878



**S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY, TEXAS**

**SUBCHAPTER B PERMIT APPLICATION
NEW PERMIT WQ000####000**

**SECTION 3: RCS DESIGN CALCULATIONS (WATRNUSTR), CAPACITY, &
HYDROLOGIC CONNECTION CERTIFICATIONS**

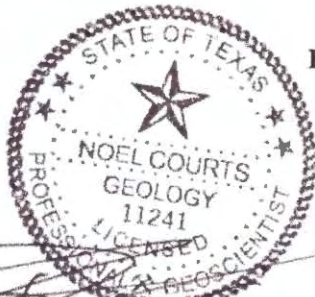
-  • WATER BALANCE RCN, AND WATRNUSTR CALCULATIONS
-  • CONSTRUCTION CERTIFICATIONS RCS's #1

S. A. S. LAND AND CATTLE

CALCULATIONS FOR OPEN LOT SLUDGE

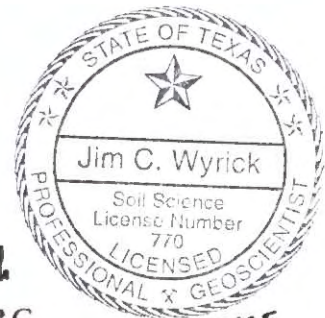
S. A. S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY

PREPARED BY:



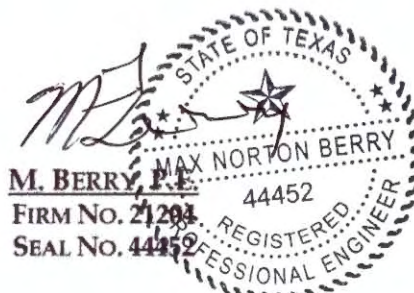
6/24/25
NOEL COURTS, P.G.
LICENSE No. 11241

M.E. LOWTHER CONSULTING, LLC



1/12/25
JIM C. WYRICK
JIM C. WYRICK, P.G.
LICENSE No. 770

EAST TEXAS ENVIRONMENTAL SERVICES



01/19/25
M. BERRY, P.E.
FIRM No. 21291
SEAL No. 44452

S. A. S LAND AND CATTLE

SLUDGE VOLUME FROM OPEN LOTS

D.A. #1

OPEN LOT:

Sludge storage for a ten year period may be calculated using the following equation:

$$\text{Sludge Volume} = 25\% \times (25\text{yr-24hr storm volume runoff from open lots})$$

For this facility the 25yr-24hr storm volume from open lots = 4.40 ac-ft

Open Lot Volume = $.25 \times 4.40 = 1.10$ for a ten year period.

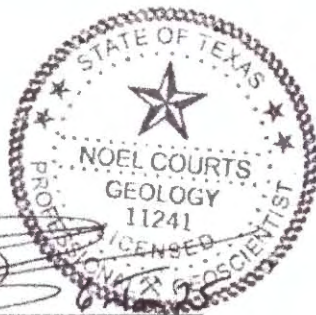
The planned sludge cleanout interval for RCS #1 is 20 years; therefore, allotted sludge volume for RCS #1 is as follows:

$$\frac{1.10 \text{ ac-ft}}{10 \text{ years}} (20 \text{ years}) = 2.20 \text{ ac-ft}$$

CERTIFICATION:

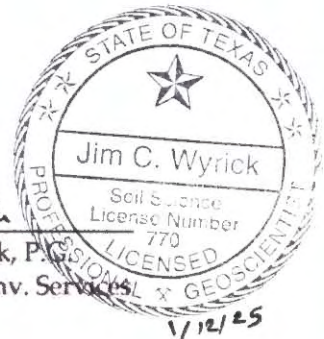
Prepared By:

Noel Courts, P.G.
Lowther Consulting, LLC



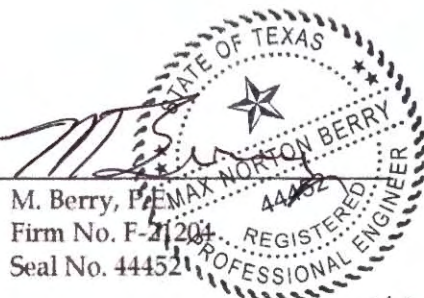
Prepared By:

Jim C. Wyrick, P.G.
East Texas Env. Services



Prepared By:

M. Berry, P.E.
Firm No. F-21204
Seal No. 444521

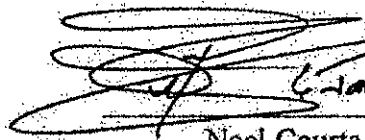


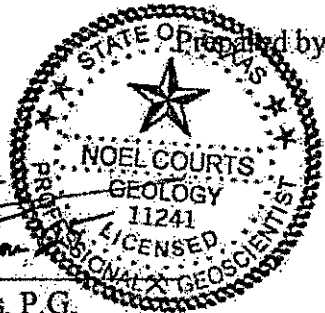
01/19/25

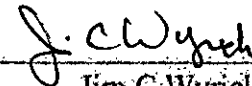
S. A. S. LAND and CATTLE, LLC

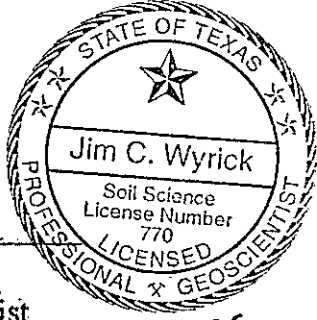
AGRICULTURAL WASTE MANAGEMENT PLAN

WILBARGER COUNTY



Noel Courts, P.G.
Professional Geoscientist
M.E. Lowther Consulting, LLC

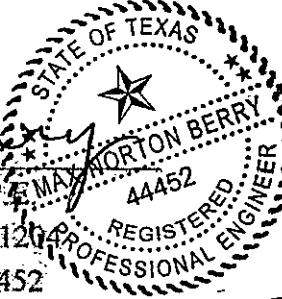



Jim C. Wyrick, P.G.
Professional Geoscientist
East Texas Environmental Services



1/12/25


M. Berry, P.E.
Firm No. E-212049
Seal No. 44452



01/19/25

Modified for Wood/Hopkins/Rains/Franklin Counties (L.D. #6b) on January 22, 2008. Modifications made in monthly rainfall, monthly evaporation, and monthly consumptive use values for bermudagrass pastureland, bermuda/small grain pastureland, small grain cropland, grain sorghum cropland, and sorghum/small grain cropland. Modifications (values) were taken from following reference: Borrelli, J., C.B. Felder, and J.M. Gregory. 1998 Mean Crop Consumptive Use and Free-Water Evaporation for Texas. TWDB Grant No. 95-483-137. Dept. of Civil Engineering, Texas Tech University, Lubbock, Texas.

WATRNTNR Version 1, Modified by Eugene Lindeman, P.E.

IN COOPERATION WITH:

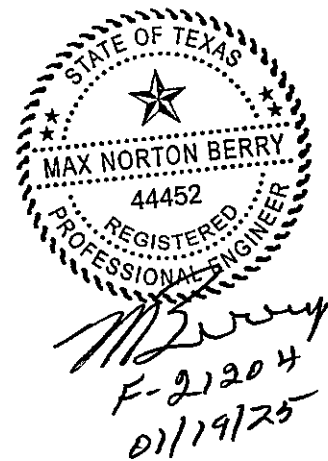
**NATURAL RESOURCES CONSERVATION SERVICE
UNITED STATES DEPARTMENT OF AGRICULTURE**

MANURE PRODUCTION DATA FOR CONFINED ANIMAL FEEDING OPERATIONS

TYPE OF ANIMAL (Dairy=0, Swine=1, Laying Hens=2, Beef Feedlot=3,
Sheep Feedlot=4, Horses=5, Turkeys=6, Broilers=7) => 3

Feeding Facilities For: Beef Feedlot

	Buildings, Concrete Pens & Alleys	Open Lots	Total
Number of Animals	0	3,000	
Average Liveweight per Head, lbs/hd	0	800	
Total Liveweight, lbs	0	2,400,000	
Confinement Period, hours/hd/day	0.0	24.0	24.0
Adjusted Total Liveweight, lbs	0	2,400,000	2,400,000
Wet Manure Production, lbs/day	0	180,000	180,000
Dry Manure Production, lbs/day	0	26,880	26,880
Dry Manure Production, tons/year	0	4,906	4,906
Volatile Solids (VS) Production, lbs/day	0	18,648	18,648
Total Nitrogen Production, lbs/day	0	991	991
Total Phosphorus (P ₂ O ₅), lbs/day	0	648	648
Total Potassium (K ₂ O), lbs/day	0	787	787
Sodium Production, lbs/day	0	127	127
COD Production, lbs/day	0	25,440	25,440
BOD ₅ Production, lbs/day	0	5,664	5,664



Engineering Job Approval Authority Job Class for Ag. Waste Management System: _____

This practice, Ag. Waste Management System, meets specifications, signed by: _____

Date: _____

Remarks: _____

VOLUME OF MANURE & WASTEWATER FROM CONFINEMENT BUILDINGS

Wet Manure Production	=	0 gal/day
Water Used for Manure Removal		
a. Dry Manure Production	=	0 lbs/day
b. Water Volume Required for Manure Removal		
1. Flush Systems:		
(Enter gallons water per pound of dry manure production, range 8-12 gal/lb)	=>	0
Total flush water	=	0 gal/day
2. Manual Scrape/Wash System (Enter gallons of water per pound of dry manure production, Range: 3 - 6 gal/lb)	=>	0
Total manual wash water	=	0 gal/day
Cleanup and Washwater (gal/hd/day)	=>	0 gal/hd/day
	=	0 gal/day
Other Water That Enters Wastewater System [e.g. drinking water, etc. (gal/hd/day)]	=>	0 gal/hd/day
	=	0 gal/day
Total Process Generated Wastewater Volume Daily Volume	=	0 gal/day
Less Volume of Recycled Wastewater Used for Manure Removal	=>	0 gal/day
Design Wastewater Storage Volume, Minimum Allowable		
Minimum Storage Days (Use Exhibit 2)*	=>	21 days
Minimum Design Storage Volume	=	0.00 ac-ft
Net Manure and Wastewater Volume for Land Application		
Monthly Volume	=	0.00 ac-ft/month
Annual Sludge Accumulation Rate, ac-ft	=	0.00
Desired Sludge Storage Volume in Pond	=>	2.20 ac-ft
Sludge Cleanout Interval	=	20.0 years
Design Sludge Accumulation Storage Volume (Not to be less than 1 Year accumulation)	=	2.20 ac-ft

* Use Exhibit 2 of Texas Water Commission regulations for your particular location.



ESTIMATED VOLUME OF RUNOFF FROM OPEN LOTS

Total area draining into Runoff Control Structure (RCS)

a. Area of open lot surface	=>	9.40	acres
b. Area between open lot surface and RCS	=>	2.43	acres
c. Surface area of RCS	=>	2.20	acres
d. Total area (#1.a + #1.b + #1.c)	=	14.03	acres

Design rainfall (25-year frequency, 24-hour duration storm), inches (Use Exhibit 1)

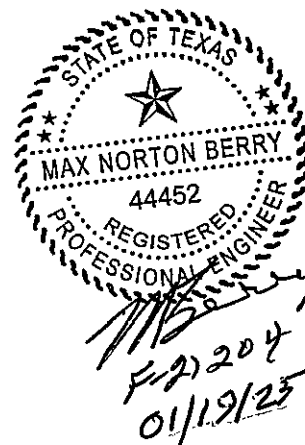
1) => 6.75 inches

Design runoff depth, inches (Use exhibit 3)

a. For Open Lot Surface * CN	=>	90	
		5.58	inches
b. For Area Between Lots and RCS ** CN	=>	85	
		5.01	inches
c. For Surface Area of RCS	=	6.75	inches

Design runoff volume from 25-year, 24-hour storm:

a. For Open Lot Surface	=	4.4	ac-ft
b. For Area Between Lots and RCS	=	1.0	ac-ft
c. For Surface Area of RCS	=	1.2	ac-ft
d. Total Design Runoff Volume	=	6.6	ac-ft



NOTE: Runoff Control Structures must be capable of storing Design Runoff Volume plus Design Storage Volume, if runoff and process generated wastewater streams are combined.

* Use NRCS soil cover complex curve No. 90 for unpaved (soil) lots and curve No. 95 for concrete surfaces.

** Use appropriate NRCS soil cover complex curve number for particular type of cover. Contact local Natural Resources Conservation Service field office for assistance.

SUMMARY OF REQUIRED AND DESIGNED STORAGE PONDS

Minimum Design Wastewater Storage Volume	0.00 ac-ft
Minimum Design Runoff Storage Volume	6.62 ac-ft
Sludge Accumulation Storage Volume	2.20 ac-ft
Additional Capacity Allowance	1.18 ac-ft
Total Capacity Designed	10.00 ac-ft

Primary Anaerobic Manure Treatment Lagoons, Sheet 5 of 10., Use Where Applicable.

DESIGN BASIS FOR PRIMARY ANAEROBIC MANURE TREATMENT LAGOONS

(WHERE APPLICABLE)

Design Factor	Beef Feedlot	
Adjusted Total Liveweight Contributing Manure to Lagoon	=	0 lbs
Recommended Unit Treatment Volume (see footnote) => (RUTV), cubic feet/pound liveweight	=	0.00 2.00
Total Treatment Volume	=	
Design checks (see footnotes):		
a. Volatile Solids (VS) Loading Rate		#DIV/0!
b. Hydraulic Retention Time	=	#DIV/0! days
c. Estimated Sludge Cleanout Interval,		
1. Sludge Accumulation Rate,	=	0.150
cu ft/year/lb liveweight		
2. Sludge Cleanout Interval	=	#DIV/0! years
Additional Capacity Allowance for:		
a. Design Runoff Volume, (one stage lagoons)	=>	0.0 ac-ft
b. Sludge storage	=>	0.0 ac-ft
c. Additional Storage	=>	0.0 ac-ft
Total Primary Lagoon Capacity	=	0.0 ac-ft

Notes: 2. If user entry area equals 0, then default values are used

(dairy=3, swine=1.75, poultry, laying hens=2.5, beef=2, sheep=2, horses=2).

User may specify alternate value which will override template default.

4.a. VS Loading Rate--Volatile Solids Production (Worksheet I, #10) / Total Treatment Volume.
Desired range is 0.0025-0.0040 lbs VS/day/cu ft for odor control.

4.b. Hydraulic Retention Time--Total Treatment Volume / Total Manure and Wastewater Volume.
Desired range is 160-400 days for good treatment.

4.c. Sludge Cleanout Interval (when half full)

$$\text{Interval} = \frac{\text{Total Treatment Volume (cuft)} \times 0.5}{\text{Adj. Total Live Wt.} \times \text{Sludge Accum. Rate}}$$

**LAND AREA FOR DISPOSAL OF MANURE OR EFFLUENT FROM
TREATMENT LAGOONS,
BASED ON PLANT-AVAILABLE NITROGEN (PAN)**

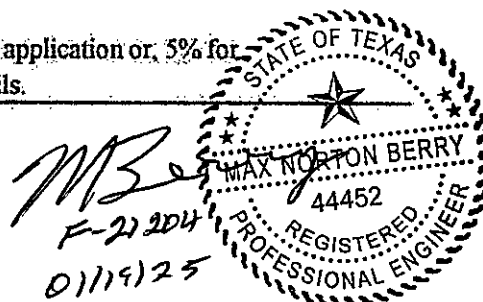
		Buildings		Open Lots
Total Daily Nitrogen Production	=	0	more->	991 lbs/day
Total Annual Nitrogen Production	=	0	more->	361788 lbs/yr
Percent Nitrogen Loss from manure storage or treatment system*	=>	20	more->	50 percent
Annual Nitrogen Loss from manure storage or treatment system	=	0	more->	180894 lbs/yr
Total Annual Nitrogen Remaining	=	0	more->	180894 lbs/yr
Availability of Nitrogen in Manure or Effluent, % (Normal range is 80-95% in lagoon effluent; 50-80% in fresh or pit-stored manure; or 40-50% in feed lot manure)	=>	80	more->	50 percent
Annual Plant-Available Nitrogen (PAN) Applied to Soil		0	more->	90447 lbs/yr
PAN Losses from Soil Surface Application**	** =>	20	more->	20 percent
PAN Losses from Soil Surface Application	=	0	more->	18089 lbs/yr
PAN Entering Soil	=	0	more->	72358 lbs N/yr

Land Required for Various PAN Application Rates:

Assumed PAN Application Rate, lbs/ac/yr	Buildings Acres		Open Lots Acres		Total Acres
100	0	+	724	=	724
150	0	+	482	=	482
200	0	+	362	=	362
300	0	+	241	=	241
400	0	+	181	=	181

* Nitrogen Loss from Lagoon Surface—Normal loss is 40-65% for primary treatment lagoons with 200 days or more storage; 10-20% from liquid manure settling basins or storage pits; and 40-50% from open feedlot surface.

** Normal range of nitrogen loss from soil surface is 15-35% for surface application or, 5% for soil injection. Losses are highest in warm weather and on high pH soils.



WATER BUDGET ANALYSIS

DRAINAGE AREA				RUNOFF CONTROL STRUCTURE DATA								
MANURE PROD. RCS AREA		14.03 ACRES		LOCATION NO. 26				FIELD OFFICE VERNON				
COUNTY WILBARGER												
SLUDGE ACCUMULATION		2.20 AC-FT		30-DAY CURVE NUMBERS.				CROPS FOR WATER DEMAND				
MIN. WASTEWATER STORE		0.00 AC-FT		POND: 86.0				Bermudagrass 0.00 AC				
ADDITIONAL STORAGE		1.18 AC-FT		FIELD: 55.0				Bermuda/SnGr 70.00 AC				
SUBTOTAL		3.38 AC-FT		IRRIG. EFFICIENCY, % 75.00				Sorghum/SnGr 0.00 AC				
25YR-24HR RUNOFF		6.62 AC-FT		IRRIGATION DEPTH, IN/YR 0.76				Small Grain 0.00 AC				
TOTAL POND CAPACITY		10.00 AC-FT		EVAPORATION, COEFF. 69.30				Assumed Seepage 0.0 ACFT				
MONTH	RAINFALL (1) IN.	RUNOFF (2) IN.	INFLOW TO POND (3) AC-FT	OTHER INFLOW (3a) AC-FT	EFFECTIVE RAINFALL (4) IN.	GROSS EVAP. (5) IN.	NET POND EVAP. (8) AC-FT	CROP DEMAND (10) AC-FT	ACTUAL WITHDRAWL (10b) AC-FT	STORAGE # E.O.M. (11) AC-FT	SURF AREA # E.O.M. (12) AC	SPILL (13) AC-FT
JAN	0.90	0.00	0.18	0.00	0.90	2.35	0.18	9.28	0.00	2.20	1.85	0.00
FEB	1.10	0.00	0.29	0.00	1.10	2.75	0.25	17.21	0.05	2.20	1.85	0.00
MAR	1.50	0.00	0.58	0.00	1.50	4.25	0.43	50.34	0.15	2.20	1.85	0.00
APR	2.25	0.04	1.22	0.00	2.21	5.25	0.53	60.33	0.69	2.20	1.85	0.00
MAY	4.00	0.53	2.98	0.00	3.47	6.25	0.63	59.67	2.35	2.20	1.85	0.00
JUN	2.60	0.10	1.55	0.00	2.50	8.50	0.97	32.68	0.58	2.20	1.85	0.00
JUL	2.00	0.02	0.99	0.00	1.98	10.25	0.99	27.25	0.00	2.20	1.85	0.00
AUG	2.00	0.02	0.99	0.00	1.98	10.75	0.99	19.40	0.00	2.20	1.85	0.00
SEP	3.25	0.27	2.20	0.00	2.98	8.25	0.92	17.77	1.28	2.20	1.85	0.00
OCT	2.60	0.10	1.55	0.00	2.50	6.50	0.60	20.89	0.86	2.20	1.85	0.00
NOV	1.30	0.00	0.43	0.00	1.30	4.25	0.43	12.19	0.00	2.20	1.85	0.00
DEC	1.00	0.00	0.23	0.00	1.00	3.00	0.23	5.31	0.00	2.20	1.85	0.00
TOTALS	24.50	1.07	13.18	0.00	23.43	72.35	7.23	342.31	5.95			
	24.50					72.35			5.95	Checks		

STORAGE-AREA TABLE FOR RUNOFF CONTROL STRUCTURE

STORAGE DATA TYPE R (C - CIRCULAR, R - RECTANGULAR, or S - STAGE DATA)

CIRCULAR

DEPTH, FT 0.0

SIDE SLOPE, RATIO 0.00

TOP DIAMETER, FT 0.00

FREE BOARD, FT 0.00

BOTTOM DIAMETER, FT 0.00

SURFACE AREA, AC 0.00

VOLUME, ACFT 0.00

RECTANGULAR

DEPTH, FT 5.20

SIDE SLOPE, RATIO 3.00

END SLOPE, RATIO 3.00

TOP WIDTH, FT 215.00

TOP LENGTH, FT 445.00

FREE BOARD, FT 2.00

BOTTOM WIDTH, FT 183.80

BOTTOM LENGTH, FT 413.80

SURFACE AREA, AC 2.20

VOLUME, ACFT 10.23

THIS WATER BUDGET VERIFIES THAT
25YR - 24 HR STORM RUNOFF STORAGE
ALLOCATION IS MAINTAINED
THROUGHOUT THIS CLIMATIC CYCLE.

*

NOTE: USER INPUT VALUES FOR NUTRIENTS
USED IN NUTRIENT BALANCE WORKSHEET!

DEPTH, FT			STAGE			STAGE STORAGE DATA SUMMARY				
FREE BOARD, FT			0.00							
Leave Extra Rows at Bottom with Blanks or Zeros.						METHOD: RECTANGULAR				
ROW	DEPTH	AREA	ROW	DEPTH	AREA	STORE	WIDTH	LENGTH		
#	FT	AC	#	FT	AC	ACFT	FT	FT		
BOTTOM	0.00	0.00	0	0.00	1.75	0.00	183.80	413.80		
1			1	0.52	1.79	0.92	186.92	416.92		
2			2	1.04	1.83	1.86	190.04	420.04		
3			3	1.56	1.88	2.82	193.16	423.16		
4			4	2.08	1.92	3.81	196.28	426.28		
5			5	2.60	1.97	4.82	199.40	429.40		
6			6	3.12	2.01	5.86	202.52	432.52		
7			7	3.64	2.06	6.91	205.64	435.64		
8			8	4.16	2.10	8.00	208.76	438.76		
9			9	4.68	2.15	9.10	211.88	441.88		
10			10	5.20	2.20	10.23	215.00	445.00		
11			11	6.20	2.29	12.47	221.00	451.00		
12			12	7.20	2.38	14.81	227.00	457.00		
			BOT. 25YR-24HR			1.85	1.90	3.38	211.88	441.88
			SPILLWAY			5.20	2.20	10.23	215.00	445.00
			FREE BOARD			7.20	2.38	14.81	227.00	457.00

STATE OF TEXAS

★

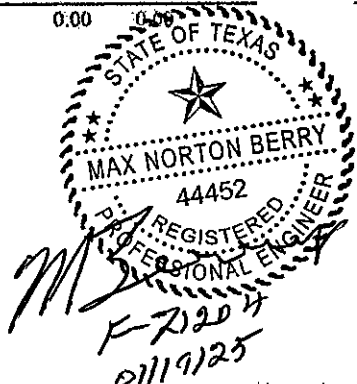
MAX NORTON BERRY

44452

REGISTERED PROFESSIONAL ENGINEER

F-7224

01/19/25



WATER BUDGET ANALYSIS

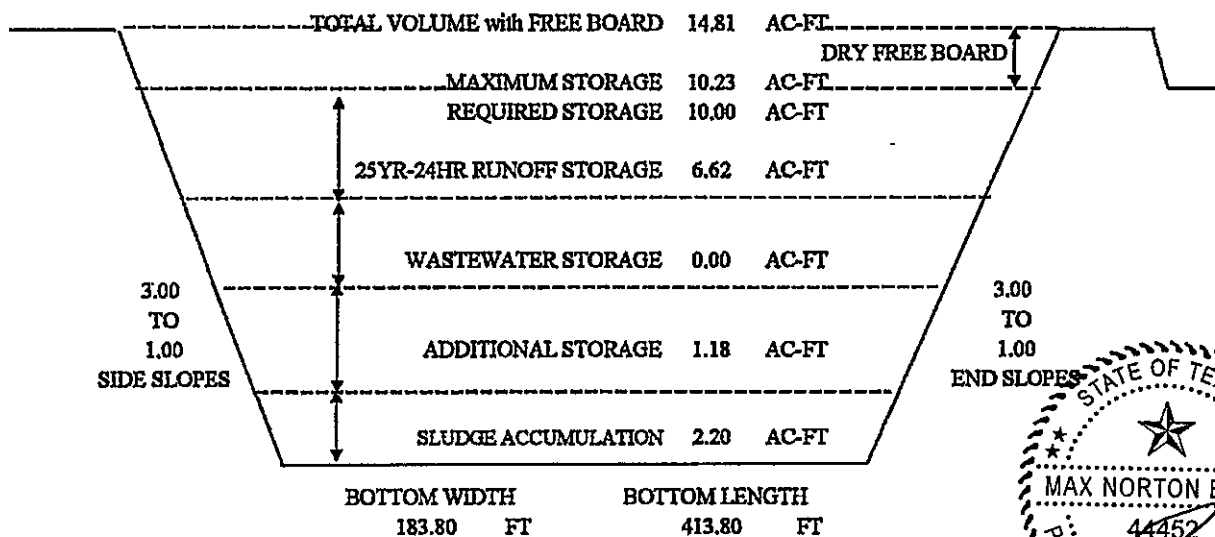
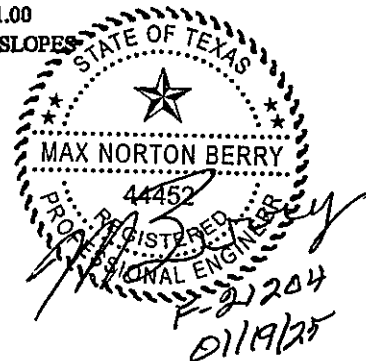


DIAGRAM OF RUNOFF CONTROL STRUCTURE



CONSUMPTIVE USE FOR SPECIFIC CROP AREAS (IN/MONTH)							NET CROP DEMAND (C.U.-EFF.RAINFALL) (IN/MONTH)					
FIELD	0	1	2	4	5	6	0	1	2	4	5	6
VEGETATION	Bermudagrass Pastureland	Bermuda/SnGr Pastureland	Sorghum/SnGr Cropland	Small Grain Cropland	Grain Sorghum Cropland	Alfalfa Pastureland	Bermudagrass Pastureland	Bermuda/SnGr Pastureland	Sorghum/SnGr Cropland	Small Grain Cropland	Grain Sorghum Cropland	Alfalfa Pastureland
JAN	0.99	2.49	1.50	1.50	0.00	1.10	0.09	1.59	0.60	0.60	0.00	0.20
FEB	1.35	4.05	2.70	2.70	0.00	1.50	0.25	2.95	1.60	1.60	0.00	0.40
MAR	3.33	10.13	6.80	6.80	0.00	3.70	1.83	8.63	5.30	5.30	0.00	2.20
APR	4.05	12.55	8.50	8.50	1.10	4.50	1.84	10.34	6.29	6.29	0.00	2.29
MAY	7.20	13.70	9.50	6.50	2.90	8.00	3.73	10.23	6.03	3.03	0.00	4.53
JUN	8.10	8.10	7.60	0.00	5.90	9.00	5.60	5.60	5.10	0.00	3.40	6.50
JUL	8.37	8.37	9.10	0.00	8.70	9.30	6.39	6.39	7.12	0.00	6.72	7.32
AUG	5.31	5.31	5.00	0.00	5.70	5.90	3.33	3.33	3.02	0.00	3.72	3.92
SEP	6.03	6.03	0.00	0.00	1.40	6.70	3.05	3.05	0.00	0.00	0.00	3.72
OCT	4.68	6.08	1.40	1.40	0.00	5.20	2.18	3.58	0.00	0.00	0.00	2.70
NOV	1.89	3.39	1.50	1.50	0.00	2.10	0.59	2.09	0.20	0.20	0.00	0.80
DEC	0.81	1.91	1.10	1.10	0.00	0.90	0.00	0.91	0.10	0.10	0.00	0.00

Retention Control Structure (RCS #1) Calculations

Producers Name:	S.A.S. Land & Cattle, LLC
County:	Wilbarger

Depth (Ft)	Length (Ft)	Width (Ft)	Slope L 1/ (H:V)	Slope W 2/ (H:V)
5.25	445	215	6.0	6.0

CAPACITY CALCULATIONS




Topo	Depth (Ft)	Length (Ft)	Width (Ft)	Volume (Cu. yds)	Area (Ac)	Storage (Ac-Ft)
1020	0	413.50	183.50	0	1.74	0.00
1021	1	419.50	189.50	2,877	1.82	1.78
1022	2	425.50	195.50	5,889	1.91	3.65
1023	3	431.50	201.50	9,040	2.00	5.60
1024	4	437.50	207.50	12,331	2.08	7.64
1025	5	443.50	213.50	15,765	2.17	9.77
1026	5.25	445.00	215.00	16,647	2.20	10.32
1027	6.25	451.00	221.00	20,264	2.29	12.56
1028	7.25	457.00	227.00	24,030	2.38	14.89
1029	8.25	0.00	0.00	0	0.00	0.00
1030	8.25	0.00	0.00	0	0.00	0.00
1031.55	8.25	0.00	0.00	0	0.00	0.00
1032.55	8.25	0.00	0.00	0	0.00	0.00
1033.55	8.25	0.00	0.00	0	0.00	0.00
0	8.25	0.00	0.00	0	0.00	0.00
0	8.25	0	0	0	0.00	0.00
Volume @ Depth =				16,647	cubic yards	
Storage @ Depth =				10.32	acre-feet	
Surface Area @ Depth =				2.20	acre	

Slope L is **combined** or sum of both end slopes
Slope W is **combined** or sum of both side slopes

S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY, TEXAS

SUBCHAPTER B PERMIT APPLICATION
NEW PERMIT WQ000####000

SECTION 4: RECHARGE FEATURE CERTIFICATION AND SUPPORTING DOCUMENTS

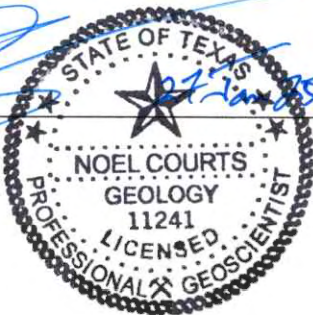
-  RECHARGE FEATURE CERTIFICATION STATEMENT
-  RECHARGE FEATURE EVALUATION AND CERTIFICATION
-  ATTACHMENTS
 - • WELL LOCATION MAP
 - GEOLOGIC ATLAS MAP WITH LEGEND
 - SOILS MAP WITH NON-TECHNICAL SOILS DESCRIPTIONS
 - 100YR FLOODPLAIN MAP
 - TWDB MAP WITH SUPPORTING LOGS
 - RRC MAP WITH SUPPORTING LOGS
 - TCEQ MAP WITH SUPPORTING LOGS
 - WELL LOGS



RECHARGE FEATURE CERTIFICATION STATEMENT

I certify that potential recharge features, as defined in 30 Texas Administrative Code 321, Subchapter B, ☒ EXIST ☐ DO NOT EXIST on properties used in this application. All information presented on this page and the attached supporting documents is true and accurate to the best of my knowledge.

Certification Signature: _____



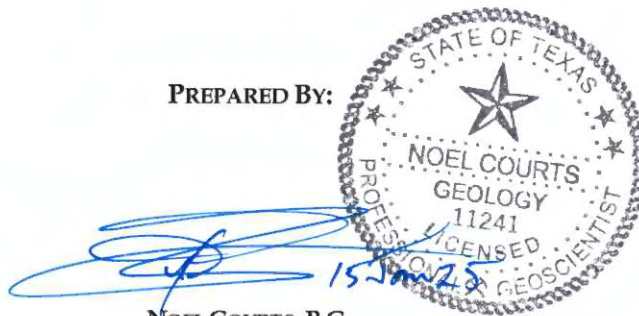
Seal and Date: _____

RECHARGE FEATURE EVALUATION AND CERTIFICATION

S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY

PLAN WRITTEN FOR:
ROYCE STALLCUP, PRESIDENT

PREPARED BY:



NOEL COURTS, P.G.
PROFESSIONAL GEOSCIENTIST
TX LICENSE No. 11241 / FL LICENSE No. PG3091 / LA LICENSE No. 754
CERTIFIED NUTRIENT MANAGEMENT SPECIALIST
LICENSE No. TX20221



M.E. LOWTHER CONSULTING, LLC
ENVIRONMENTAL MANAGEMENT CONSULTANTS
FIRM # 50659

P.O. Box 7332
Abilene, Texas 79608-7332
Office: (325)692-5878
Fax: (325)692-1293
Email: manureisgood@yahoo.com

GENERAL REMARKS

This recharge feature evaluation and associated certification was conducted at the request of Mr. Royce Stallcup, President of S.A.S. Land and Cattle, LLC. Noel Courts, P.G. completed the onsite survey of the facility on December 13, 2024 and compiled the findings and recommendations contained herein.

PURPOSE OF REPORT

The subject property is the proposed location of a Concentrated Animal Feeding Operation (CAFO) with a Proposed Retention Control Structures (RCS) and Land Management Units (LMU) for the application of wastewater. A retention control structure is any pond, pit, tank, basin, conveyance, or lagoon used to store and/or treat manure, litter, wastewater, or sludge. Waste would include any of the following: manure, litter, bedding, and feed waste from animal feeding operations. Wastewater is any waste that comes into contact with manure, litter, bedding, or any raw material, intermediate, final material, or product used in or resulting from the production of animals, poultry, or direct products (i.e. milk, meat, or eggs). Wastewater also includes process-generated wastewater as well as precipitation. 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 wastewater from the retention control structure or land application site into the underlying aquifer as required in Title 30 Texas Administrative Code, Chapter 321, Subchapter B. The following records and/or maps from the following entities/agencies were reviewed to locate any recharge features: (a) Texas Railroad Commission (TRRC), (b) Texas Water Development Board (TWDB), (c) Texas Commission on Environmental Quality (TCEQ), (d) Natural Resource Conservation Service (NRCS), (e) owner of site, (f) an on-site inspection, and (g) previous land owner.

PROPERTY DESCRIPTION

The subject property is located in Wilbarger County, approximately 3.5 miles northeast of Vernon, Texas on HWY 287 East. The property consists of approximately 70 acres are for land application, and is owned and operated by S.A.S. Land and Cattle, LLC. Elevations of the property range from 1194 to 1165 feet above mean sea level (AMSL) (*See Attachments - Well Location Map*). The lowest elevations are located along the northwestern boundary of the property in HDQ. The highest elevations are located along southeastern boundary of the property in LMU #1. The current land use of the property is agricultural (coastal, wheat, and sorghum cropping systems). All acreage in the Land Management Units was calculated by subtracting all buffered areas.



SITE DESCRIPTION

The Proposed RCS will be located south and down slope of the open lot areas in D.A. #1. The RCSs will be constructed to catch and contain both sludge and 25yr-24hr rainfall from the open lots. Proposed RCS #1 will be constructed to be a minimum of 10.32ac-ft and will be certified by a Licensed Professional Engineer and Licensed Professional Geoscientist once completed. Manure will be stored within the open lot drainage area and then hauled to the appropriate LMU's or Offsite for disposal. The wastewater contained in Proposed RCS #1 will be pumped to LMU #1 using a Big Gun and Reel irrigation system.

DEFINITION OF RECHARGE FEATURE

For the purpose of this report, the definition of "**recharge feature**" shall be the same as the definition presented in the Texas General Permit TXG920000 and 321.32 (50) (Definitions) of the Subchapter B Rules. Recharge feature is defined as *"those natural or artificial features either on or beneath the ground surface at the site under evaluation that provide or create significant hydrologic connections 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 connection includes, but is not limited to: faults; fractures; sinkholes or other macro pores that allow direct surface infiltration; a permeable or a shallow soil material that overlies an aquifer; exposed geologic formations that are identified as an aquifer; or a water course bisecting an aquifer."*

LOCAL GEOLOGY

Wilbarger County is dominated by the geologic formations of Quaternary age. These deposits that comprise the Seymour Formation and Quaternary alluvium dip gently to the southeast about at 15 feet per mile. The geologic surficial deposits located within the permit are, using stratigraphic up succession, Fluvial Terrace deposits (Qt), Windblown sheet deposits (Qsh), and Alluvium (Qal) of the Quaternary age, all of which are part of the Seymour Formation also known as the Seymour Aquifer system that supplies groundwater to the area. The Seymour Formation which consists of Fluvial Terrace deposits, Windblown sheet deposits, and Alluvium (Qal) outcrops S.A.S. Land and Cattle (*See Attachments - Geologic Atlas Map*).

Seymour Formation (Qs)

The Seymour Formation caps the interstream areas between major streams and consists of alluvial deposits of clay, silt, sand, caliche, gravel, and conglomerate. The Seymour Formation is the major source of groundwater in Wilbarger County. At the location of the facility the most common desposits found are Fluvial Terrace, Windblown, and Alluvium desposits. The Seymour Formation varies in thickness from 0 - 112 feet.



Fluvialite Terrace deposits (Qt)

These deposits consist of gravel, sand, and silt. Sand is orange-brown to tan, fine- to coarse-grained, crossbedded, and laminated. Silt is sandy, clayey, orange-brown to brownish-red, bedded and lenticular with buried soils and rare charcoal-bearing zones. The thickness of fluvialite terrace deposits can be up to 30 feet.

Windblown Sheet deposits (Qsh)

Windblown sheet deposits consist of silt, sand, and clay. They are orange-brown in color, massive with crude vertical joints and buried soils. These deposits have subdued dune topography, and pimple mounds were common on the Seymour Formation; along the Pease and Red Rivers. The thickness of windblown sheet deposits can be up to 20 feet.

Alluvial Deposits (Qal)

Alluvium are flood-plain deposits, includes low terrace deposits near flood-plain level and bedrock locally in stream channels with a thickness of up to 30 feet.

GROUND WATER

The Seymour Aquifer, or Seymour Formation, is the primary source of groundwater Wilbarger County, Texas. The Seymour Formation is comprised of many surficial deposits such as Fluvialite, Windblown, and Alluvial Deposits. The Seymour formation yield quantities of groundwater, and is the principal aquifer in Wilbarger County, and is the location where most wells are drilled.

NATURAL RECHARGE FEATURE EVALUATION

The property of S.A.S. Land and Cattle, LLC is located on the outcrop of the Seymour Aquifer. The Seymour Formation outcrops the entire property.

Recharge of groundwater is the process by which water is filtered and added to the zone of saturation. The "outcrop" of an aquifer is the area in which the host formations are exposing at the land surface. This area is considered to be a "recharge zone" for the aquifer.

The primary source of groundwater in this area is infiltration of precipitation either directly into an outcrop or indirectly by way of leakage from another formation or seepage from stream flow. Only small amounts of precipitation seeps down through the soil layers into the water table. There are no evident surface features such as karstified rock, continuous fractured limestone bedrock, intermittent seeps, or thick sandy surfaces that would indicate the percolation of pollutants into the groundwater.



ARTIFICIAL RECHARGE FEATURE EVALUATION

Current and Previous Landowners

Mr. Royce Stallcup, the current landowner, was interviewed by Noel Courts, P.G. Mr. Stallcup, explained that there are three active wells, one plugged well, one proposed RCS, and Paradise Creek on the property. The previous landowner could not be contacted.

Site Inspection

An on-site inspection was conducted on December 13, 2024 to locate and identify any water containment structures, and to locate the wells drilled on the property. There are three active wells, one plugged well, one proposed RCS, and Paradise Creek on the property.

There are three wells located on the feedlot in the Headquarters Area:

Well #1 is located approximately 253 feet north of the open lots. The well has an eight-inch steel sleeve that is on a concrete slab within a well house with an impermeable surface covering. The surface and slab are both sloping away from the well head. This is a producing well that was drilled using TCEQ standards by a licensed well driller.

Well #2 is located approximately 225 feet north of the open lots. The well has a twelve-inch steel casing that is on a concrete slab within a well house with an impermeable surface covering. The surface and slab are both sloping away from the well head. This is a producing well that was drilled using TCEQ standards by a licensed well driller.

Well #3 (TWDB 1355703) is located approximately 515 feet southwest of the open lots. The well has a three foot steel casing that is on a concrete slab within a well house with a detachable metal surface covering. The surface and slab are both sloping away from the well head. This is a producing well that was drilled using TCEQ standards by a licensed well driller.

An old windmill was located in the southern boundary of LMU #1. This was a non-producing well that was plugged using TCEQ standards by a licensed well driller.

Artificial Penetrations

There are three active wells and one plugged well located on S.A.S. Land and Cattle. Any additional information was obtained from the TWDB, TRRC, and TCEQ which has also been incorporated into the enclosed map(s). All maps and logs (if applicable) have been attached to this document.



Water Containment Structures

One Proposed Retention Control Structures (RCSs) will be constructed on the property, and materials tested and certified. These documents will be located in the "Certifications" section of the PPP.

Local Groundwater District

This facility is located within an area of Texas where there is not a local groundwater district. No additional well data was obtained.

SOILS DESCRIPTIONS

Please see attached Non-Technical Soils Descriptions obtained from the NRCS Web Soils Survey.

100-YEAR FLOODPLAIN

On January 8, 2025, an evaluation of the 100-year floodplain was completed. It is determined that the control facilities are not located and will not be constructed within of the 100-year floodplain (*See FEMA Map & Floodplain Analysis*). The LMU's are located outside the 100-year floodplain. All wastewater and solid manure will be applied at agronomic rates not to exceed the hydrologic needed of the crops planted, and cropland growth requirements. (*Please see Best Management Practices and Aquifer Protection Plan*)

METHODS USED

Any and all potential recharge features were identified utilizing the following techniques: on-site inspection of the facility, current and previous landowners, online review and GIS of facility using Texas Railroad Commission (TRRC), Texas Commission on Environmental Quality (TCEQ), Texas Water Development Board (TWDB), and the Natural Resource Conservation Service (NRCS). ArcView 3.3 and Geospatial Gateway were used in all map making to include buffers for waterways and ponds.

CONCLUSIONS

The subject property is located in the Seymour Formation outcrop, which is a recharge zone of the Seymour Aquifer. The Seymour Aquifer is the major aquifer and primary source of groundwater for Wilbarger County. Paradise Creek is located adjacent the property. The artificial penetrations on the property are three water wells, all of which have been documented.



IDENTIFICATION OF PREVIOUSLY UNKNOWN RECHARGE FEATURES

If, during future excavations or explorations, any suspected recharge feature is encountered, it will be brought to the attention of the Professional Geoscientist (PG) or Professional Engineer (PE). The PG or PE will have construction halted until the potential recharge feature can be evaluated. If it proves to be a previously unidentified recharge feature, a plan to protect the feature will be developed, or the excavation will be abandoned and moved. Afterwards, the Recharge Feature Certification will be modified as appropriate.

In addition, monitoring of the farm will be maintained by management to identify previously undocumented recharge features. If any are identified, a PG or PE will be contacted to evaluate the feature, and based on that evaluation appropriate protective measures will be enacted and the Recharge Feature Certification will be revised accordingly.



BEST MANAGEMENT PRACTICES FOR FUTURE WELLS

Practices, which increase the intake rate of soil such as aeration and crop management, are recommended. Buffer zones will be maintained as required by TCEQ Standards depending upon soil types and hydrologic group from all natural waterways and 150 feet from any wells where waste will not be applied. These buffer zones will be strictly maintained to prevent any discharge to watercourses. Filter Strips and vegetative barriers will be utilized where appropriate following the guidelines of NRCS codes 393 and 601. Based on construction methods, pond liner certification, and adherence to best management practices listed in Subchapter B rules, this facility should not pose a hazard to regional ground or surface water. Best management practices are:

1. Maintenance of berms and waterways.
2. Application of wastewater at agronomic rates.
3. Careful monitoring of wastewater levels.
4. Maintaining vegetative cover on application fields.
5. Application rates should not exceed the intake rate of soil.
6. Strict observance of buffer zones around waterways and wells.
7. Annual soil testing should be done to monitor the level of nutrients in the soil.
8. Regular monitoring of the equipment during the application process should be maintained.
9. Where steep topography or highly erodible soils are located in application areas adjacent to waterways additional buffer distances will be established.
10. Removal or composting of dead cows within 24-72 hours after die-off.



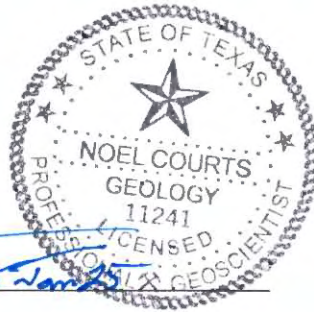
CERTIFICATION


The undersigned hereby certifies that:

The facility has recharge features on the property owned or leased by the applicant based on the criteria outlined in Title 30 Texas Administrative Code, Chapter 321, Subchapter B and Texas General Permit TXG920000. Natural recharge features as defined in Title 30 Texas Administrative Code, Chapter 321, Subchapter B. The site location is on the Seymour Formation outcrop of the Seymour Aquifer System.

The proposed plan, with implemented and maintained best management practices, will prevent any adverse impacts from waste application to recharge features, surface water and groundwater qualities.

Written By:




Noel Courts
Professional Geoscientist, License Number 11241

Date

REFERENCES

- ☐ Ashworth J. B., and J. Hopkins, 1995. *Aquifers of Texas*. Texas Water Development Board, Report 345.
- ☐ Barnes V. E., 1987, Bureau of Economic Geology Report. *Geologic Atlas of Texas Wichita Falls - Lawton Sheet, Bureau of Economic Geology Report*, The University of Texas at Austin.
- ☐ *Soil Survey of Taylor County, Texas*. USDA Soil Conservation Service.
- ☐ Texas Commission on Environmental Quality GIS Data Viewer, January 2025.
- ☐ Texas Railroad Commission Files Search, January 2025.
- ☐ Texas Railroad Commission GIS Data Viewer, January 2025.
- ☐ The Texas Water Development Board Well Location Report Submission and Retrieval System Website. Retrieved January 2025, from <http://wiiddev.twdb.state.tx.us/>
- ☐ USDA-NRCS Electronic Field Office Technical Guide, Soil Database – Wilbarger County, Texas, Retrieved 2025. http://www.ftw.nrcs.usda.gov/ssur_data.html.
- ☐ Royce Stallcup, Current Landowner



AQUIFER PROTECTION PLAN

The artificial recharge features are private water wells that were drilled in the future. They are used exclusively for private water supply. The well(s) locations are show on *attachment Well Location Map*. A licensed well driller will drill any new wells. A buffer of at least 150 feet will be maintained between any future wells and retention control structures, open lots, and land management units.

- ☒ Manure, sludge, wastewater, fuels storage tanks, pesticide and lubricants will not be stored or applied with 150 feet of any well.
- ☒ Dead animals will not be composted near any well

The natural recharge features include surface water bodies, creeks, and tributaries. Structural and non-structural controls that will be used to protect the natural recharge features are as follow:

- ☒ Vegetative filter strips of Bermuda grass will filter, contain, and prevent the lateral movement of wastewater irrigation and manure.
- ☒ Wastewater will be applied only where the LMU cover vegetation is growing and has crop demand for nutrients.
- ☒ Wastewater will be applied at a rate less than the permeability of the soil to prevent ponding and runoff.
- ☒ Wastewater application will be at rate that ensures that wastewater will be used by the vegetative cover.
- ☒ All solid waste will be hauled offsite to a compost facility.
- ☒ Vegetative buffers of 150 feet for will be maintained around any newly drilled private water wells.
- ☒ A minimum of 100 feet of vegetative cover buffer between wastewater application areas and surface water and watercourses will be maintained.
- ☒ To prevent soil erosion, the existing vegetation, on the dairy, will be maintained to provide a ground cover. If an area becomes bare it will be seeded or sprigged to permanent grass.

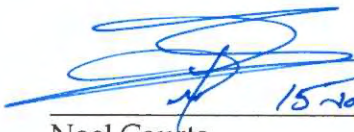
These controls will provide adequate protective measures for the artificial and natural recharge features.

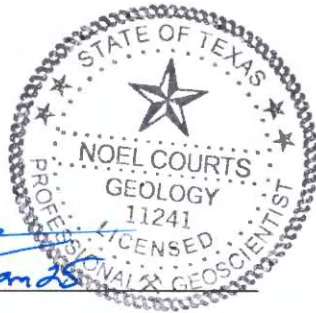


AQUIFER PROTECTION PLAN

CERTIFICATION

Written By:

 15 Jan 25



Noel Courts
Professional Geoscientist, License Number 11241

Date

ATTACHMENTS

Maps and Driller's Logs

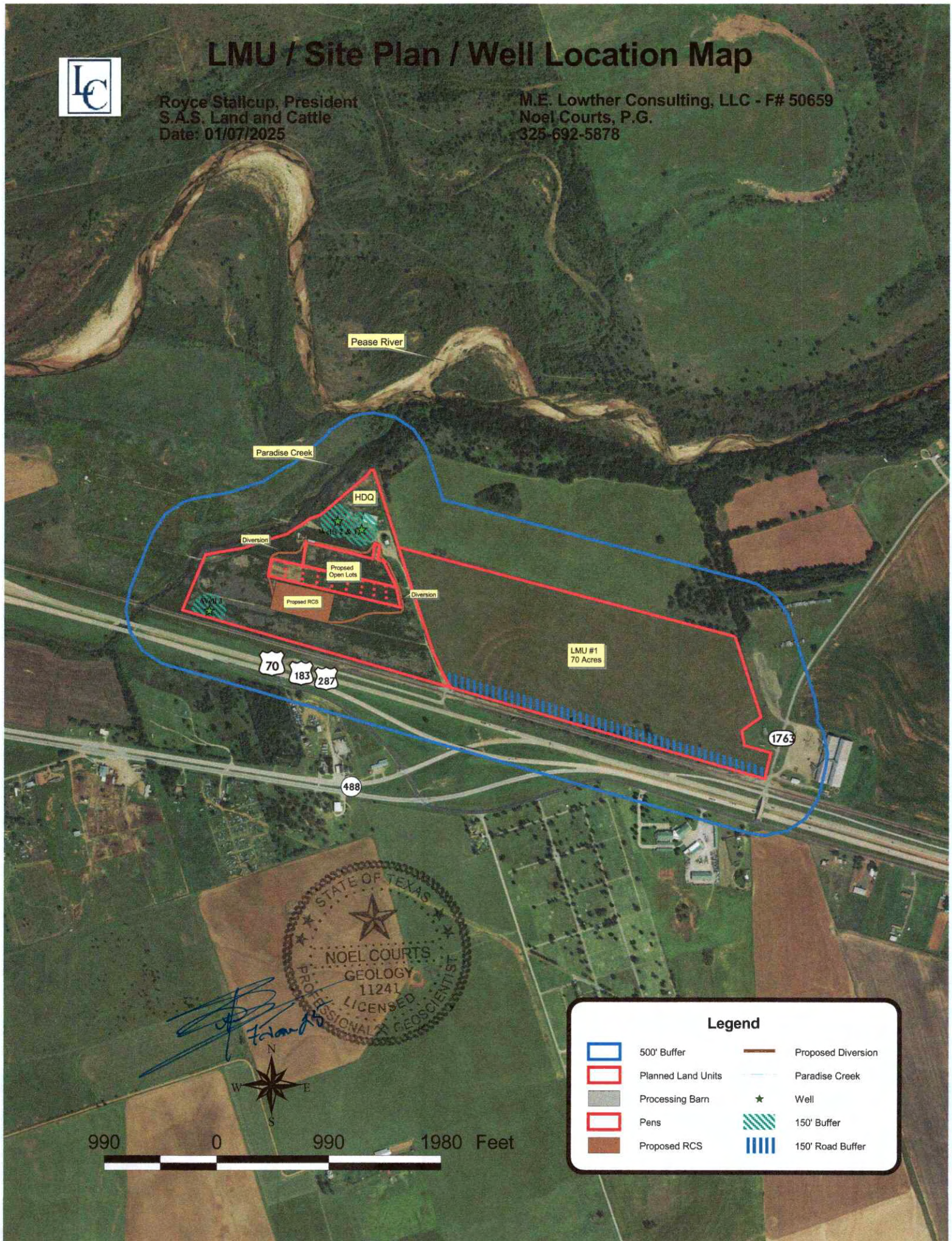




LMU / Site Plan / Well Location Map

Royce Stallcup, President
S.A.S. Land and Cattle
Date: 01/07/2025

M.E. Lowther Consulting, LLC - F# 50659
Noel Courts, P.G.
325-692-5878

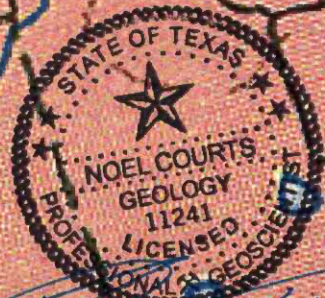
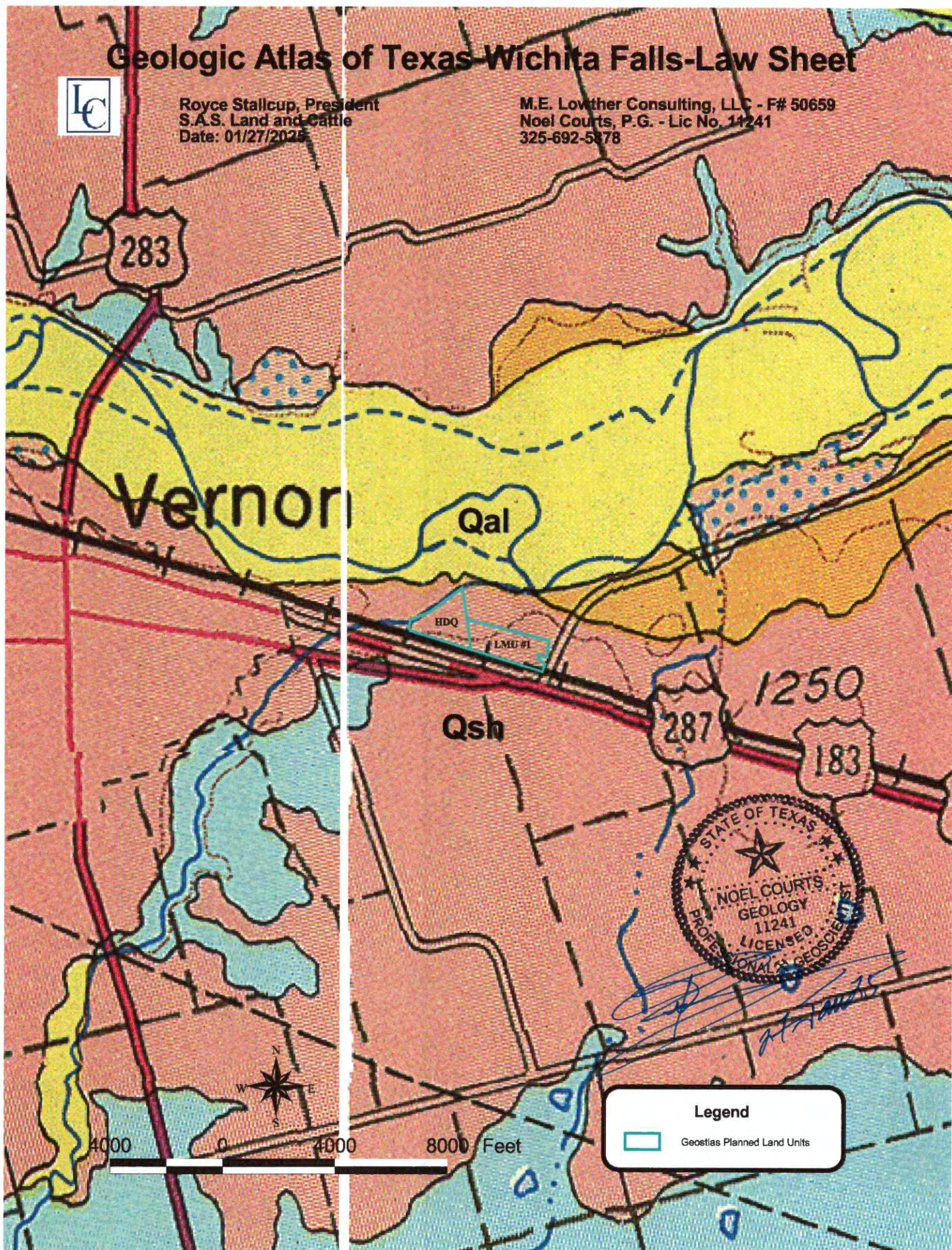


Geologic Atlas of Texas Wichita Falls-Law Sheet




Royce Stallcup, President
S.A.S. Land and Cattle
Date: 01/27/2025

M.E. Lowther Consulting, LLC - F# 50659
Noel Courts, P.G. - Lic No. 11241
325-692-5878



Legend

 Geostias Planned Land Units

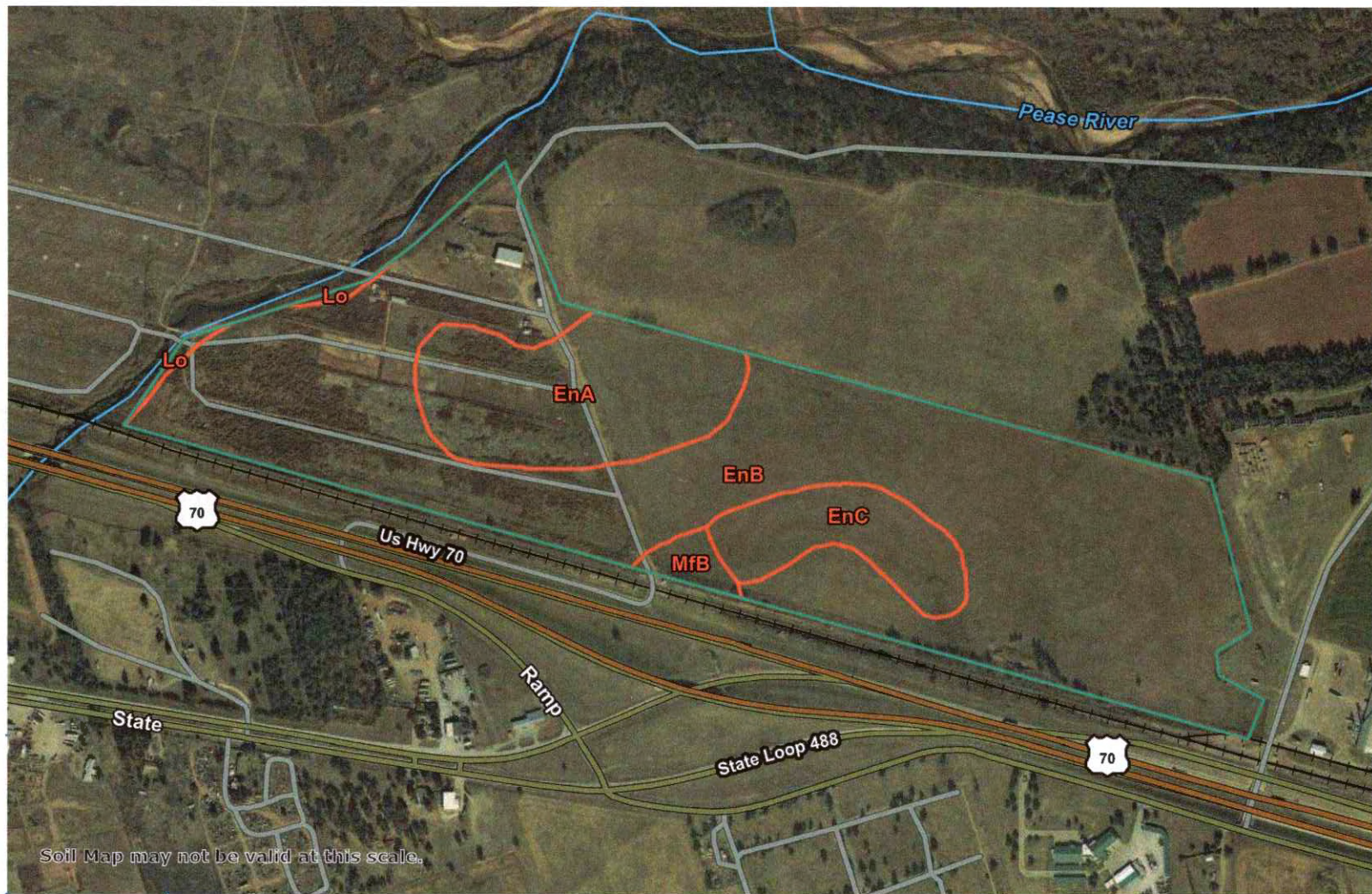
Soil Map—Wilbarger County, Texas
(S.A.S. Land and Cattle)

99° 14' 46" W

99° 13' 30" W

34° 9' 30" N

34° 9' 30" N



34° 8' 49" N

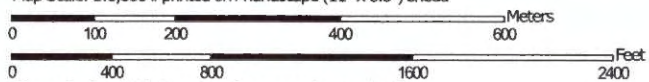
34° 8' 49" N

99° 14' 46" W

99° 13' 30" W



Map Scale: 1:8,880 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

1/8/2025
Page 1 of 3

Soil Map—Wilbarger County, Texas
(S.A.S. Land and Cattle)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Wilbarger County, Texas

Survey Area Data: Version 21, Aug 30, 2024

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

Date(s) aerial images were photographed: Nov 23, 2021—Dec 5, 2021

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



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
EnA	Enterprise very fine sandy loam, 0 to 1 percent slopes	19.8	15.5%
EnB	Enterprise very fine sandy loam, 1 to 3 percent slopes	95.8	75.1%
EnC	Enterprise very fine sandy loam, 3 to 5 percent slopes	9.3	7.3%
Lo	Clairemont clay loam, 0 to 1 percent slopes, frequently flooded	0.8	0.6%
MfB	Miles fine sandy loam, moist, 1 to 3 percent slopes	1.9	1.5%
Totals for Area of Interest		127.6	100.0%

Component Description (Nontechnical)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the selected area. The component descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit. A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the associated soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas (components) for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The "Map Unit Component Nontechnical Descriptions" report gives a brief, general description of the soil components that occur in a map unit. Descriptions of nonsoil (miscellaneous areas) and minor map unit components may or may not be included. This description is written by the local soil scientists responsible for the respective soil survey area data. A more detailed description can be generated by the "Map Unit Description" report.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Component Description (Nontechnical)

Wilbarger County, Texas

Map Unit: Lo—Clairemont clay loam, 0 to 1 percent slopes, frequently flooded

Description Category: PHG

Clairemont: 92 percent

2A - LOAMY BOTTOMLAND - Deep and very deep, loamy bottomlands with friable loamy subsoils; may overflow; medium natural fertility; medium to high water holding capacity with good plant- soil-moisture relationship; high production potential.

Map Unit: MfB—Miles fine sandy loam, moist, 1 to 3 percent slopes

Description Category: PHG

Miles, moist: 92 percent

8C - LOAMY UPLAND - Moderately deep to very deep uplands with loamy surfaces and friable loamy subsoils; slopes 0 to 8 percent; medium natural fertility; medium to high water holding capacity with good plant-soil-moisture relationship; medium to high production potential.

Data Source Information

Soil Survey Area: Wilbarger County, Texas

Survey Area Data: Version 21, Aug 30, 2024



**FLOOD PLAIN ANALYSIS
FOR THE NORTEX
FEEDLOT OPERATION AT VERNON, TEXAS
WITHIN WILBARGER COUNTY**

INTRODUCTION

This report was prepared to support the application for Permit No. TXGP 920700 for the Nortex Cattle Company Facility at Vernon, Texas. The project site is located on the north side of U.S. Highway 287 approximately 2.5 miles east of the intersection of U.S. Highway 283 and U.S. Highway 287 within an unincorporated area of Wilbarger County. The site improvements are bisected (west from east) by Paradise Creek, a tributary of the Pease River. The Pease River, a tributary of the Red River, traverses the facility along its northern boundary. The confluence of Paradise Creek with the Pease River is located approximately ¼ mile east (downstream) of the facility's eastern property line.

The Texas Commission on Environmental Quality (TCEQ) rules requires feedlot facilities to have animal wastewater holding ponds located beyond the limits of the 100-year flood plain of a watercourse. Although, Wilbarger County is a participant in the National Flood Insurance Program (NFIP), administered by the Federal Emergency Management Agency (FEMA) through the Department of Homeland Security, the County is currently within the "emergency phase" of the program and lacks flood plain maps (see Exhibit "A"). Due to this lack of mapping, there is no official flood plain delineation for Paradise Creek and the Pease River and; therefore, this study will provide detailed information in that regard.

The intent of this study is to provide a hydrologic and hydraulic investigation of the 100-year flood plains for the Pease River and Paradise Creek. In addition, the 100-year floodway boundary for Paradise Creek, as defined by the NFIP, will be studied and mapped as an area of "no encroachment". The floodway boundary delineation allows the project site to encroach within the flood fringe area (boundary between the flood plain and floodway) and reclaim that area as developable land. To accomplish this reclamation, the site will need to be retrofitted with an earthen berm constructed along the floodway boundary. The berm height will be established a minimum of one foot above the encroached 100-year flood plain water surface elevation. The berm will also serve as an impoundment (containment) for wastewater runoff from the feedlot operation.

HYDROLOGIC MODELS

The Pease River contains a peak streamflow gage at its crossing of U.S. Highway 283, approximately two miles upstream of the project site. This gage has recorded streamflow information since 1960 and this data will be used to form a statistical analysis of the 100-year peak flow rate for the Pease River. The streamflow data was input into the U.S. Geological Survey's (USGS) "PEAKFQ" computer program. This computer program provides log Pearson Type III frequency analysis in compliance with USGS's "Guidelines for Determining Flood Flow Frequency - Bulletin 17B". The output results are contained within Exhibit "B".

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AGRICULTURE TEAM

Paradise Creek is an ungaged watercourse which required a different approach to its hydrologic modeling. Previous studies, circa 1994, conducted by the Texas Department of Transportation employed "regional regression equations" for analysis of the bridge crossing at U.S. Highway 287. This methodology was also used herein; the analysis is performed by delineating the watercourse's drainage basin area and calculating the streambed slope and the basin shape factor (BSF). A spreadsheet that performs these calculations is attached herein as Exhibit "C". At the rear of this exhibit, is a graphical illustration of the watercourse's drainage basin boundary that has been delineated from USGS quadrangle maps.

HYDRAULIC MODELS

The hydraulic modeling of the Pease River and Paradise Creek was performed using the Corps of Engineers' HECRAS computer program (see output results within Exhibit "D" and "E", respectively). As previously stated, the modeling of Paradise Creek included a "floodway boundary" analysis to allow encroachment within the flood plain fringe. The floodway boundary was established using the equal reduction in conveyance method with a target surcharge in water surface elevation to not exceed a one-foot rise above the natural condition (re: Exhibit "F" illustrates the flood plain and floodway boundaries).

The flood plain analysis of the watercourses used field surveyed cross-sections and Manning's "n" values were established by field observations. The Paradise Creek study assumed that the area within the channel banks would be "cleaned" of the minor vegetation located beyond the natural streambed (re: see Attachment One for photos of streambed and overbanks for the two waterways).

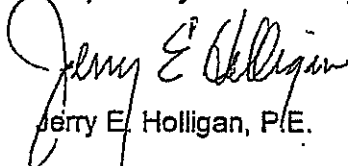
The Pease River flood plain analysis suggests that there is not a backwater effect, due to its flood plain, upon the feedlot operational area (i.e., feeding pens). The 100-year flood water surface elevation for the Pease River at the project site is estimated to be 1175.7. This elevation is slightly below the downstream water surface elevation for Paradise Creek, estimated to be 1176.11, which was derived independently by the program's slope-area method for sub-critical flow.

CONCLUSIONS

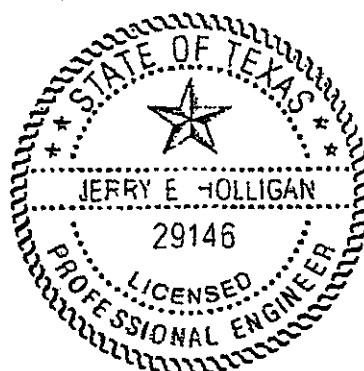
The analysis performed herein provides a detailed investigation of the flood plains for the Pease River and Paradise Creek so they affect the subject facility. The analysis supports reclamation of the flood plain fringe area along the overbanks of Paradise Creek. Upon construction of earthen containment berms along the floodway boundaries; the site improvements will be separated from the 100-year flood of Paradise Creek.

If there is any additional information that you need concerning this report, please contact me at (512) 355-2471 so that it can be provided.

Respectfully submitted by,

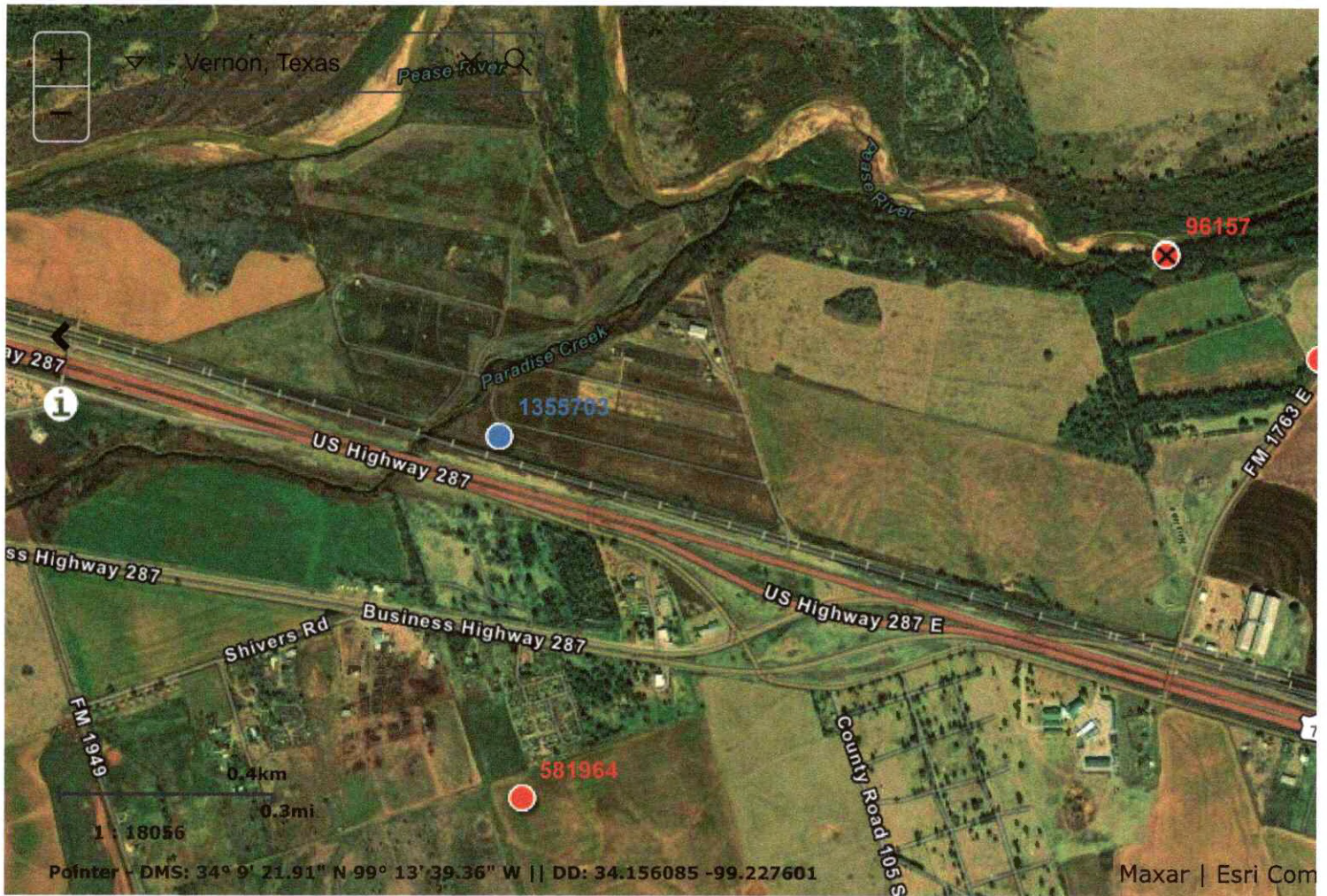

Jerry E. Holligan, P.E.

Exhibits (6)
Attachment (1)



6-20-06

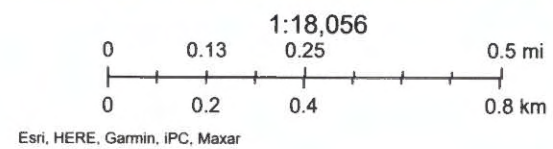
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MAY 23 2007
WASTEWATER PERMITTING
AGRICULTURE TEAM

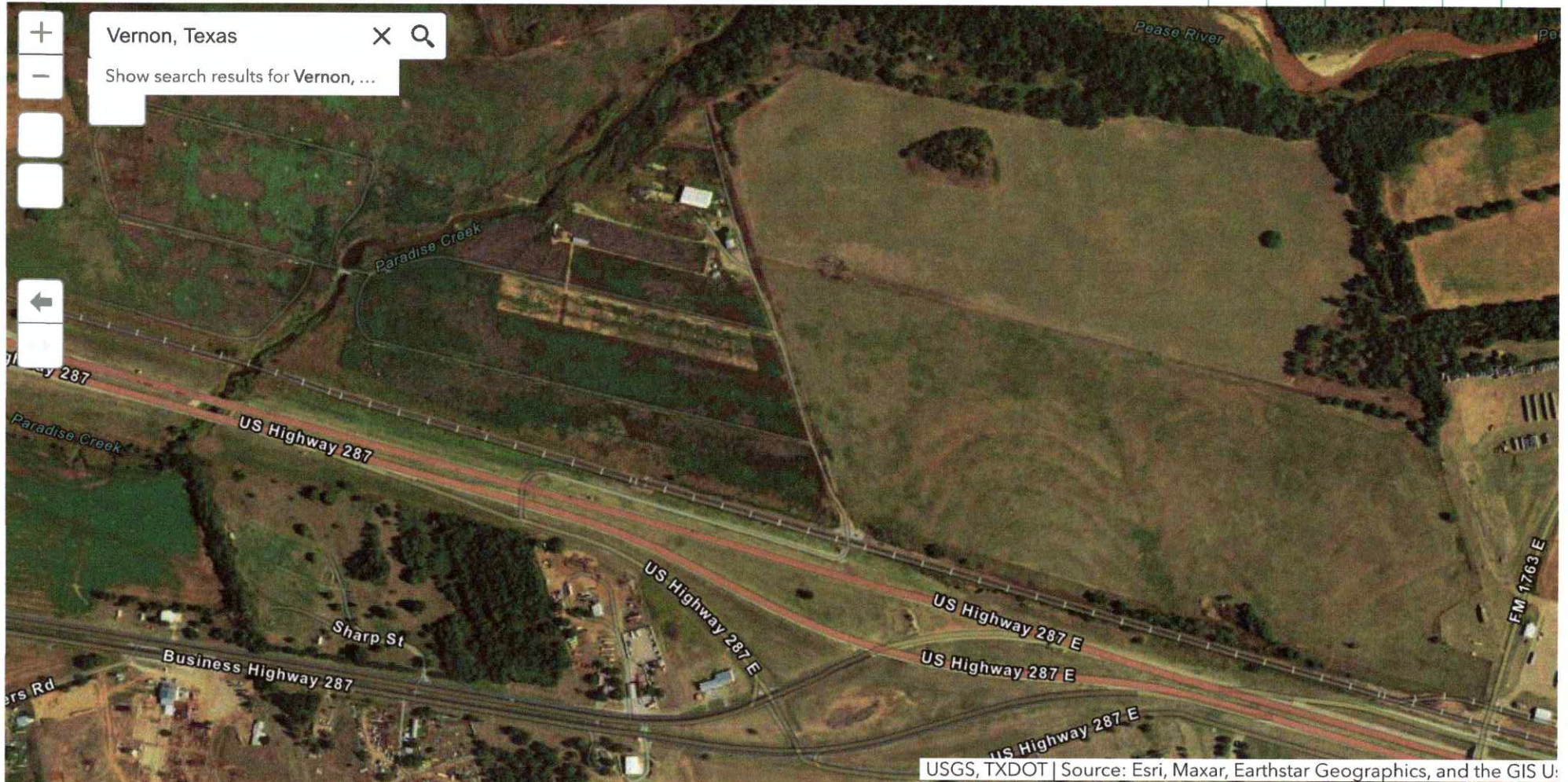


TEXAS WATER DEVELOPMENT BOARD



January 8, 2025

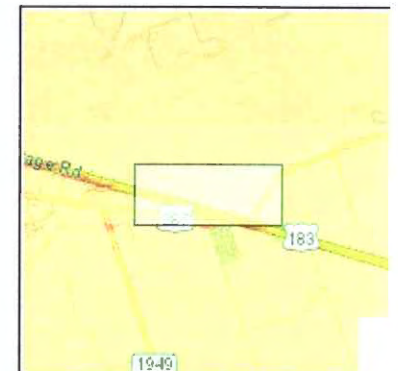




USGS, TXDOT | Source: Esri, Maxar, Earthstar Geographics, and the GIS U

200m
600ft

19 235 34 153 Degree



Well #3

TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

Aquifer Seymour Field No. _____ State Well No. ZH-13-55-703
Owner's Well S. Eadlot County Wilbarger

1. Location: 1/4 - 1/4 Sec. 13, Block 12 Survey H. & T. C. R.R. Co.
0.55 mi. NW on U.S. 183 by pass from St. 1763, 0.1 mi. N on drive 0.4 mi. NW from feed lot
2. Owner: Johnson & Ekern Address: Box 1492, Vernon, Texas
Tenant: do Address: do
Driller: Robert Dale Address: Vernon, Texas

add
sketch
section
see
ownership
map

3. Elevation of Ground is 1181 ft. above sea, determined by Topo

4. Drilled: 19 60; Dug, Cable Tool, Rotary

5. Depth: Rept. 35 ft. Meas. _____ ft.

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfg. ? Type Subm.

No. Stages _____, Bore Dia. _____ in., Setting _____ ft.

Column Dia. _____ in., Length Tailpipe _____ ft.

8. Motor: Fuel Electricity Make & Model _____ HP. ?

9. Yield: Flow _____ gpm, Pump _____ gpm, Meas., Rept., Est. Unknown

10. Performance Test: Date _____ Length of Test _____ Made by _____

Static Level _____ ft. Pumping Level _____ ft. Drawdown _____ ft.

Production _____ gpm Specific Capacity _____ gpm/ft.

11. Water Level: N/A ft. Rept. ? 19 _____ above _____ ft. above surface.
_____ ft. Rept. _____ 19 _____ below _____ ft. above surface.
_____ ft. Rept. _____ 19 _____ below _____ ft. above surface.
_____ ft. Rept. _____ 19 _____ below _____ ft. above surface.
_____ ft. Rept. _____ 19 _____ below _____ ft. above surface.

12. Use: Dom., Stock Public Supply, Ind., Irr., Waterflooding, Observation, Not Used, Used only to wash troughs.

13. Quality: (Remarks on taste, odor, color, etc.) feces at well, clear

Temp. 68 °F, Date sampled for analysis 6-10-71 Laboratory SHD

Temp. _____ °F, Date sampled for analysis _____ Laboratory _____

Temp. _____ °F, Date sampled for analysis _____ Laboratory _____

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log,

Formation Samples, Pumping Test,

15. Record by: R.D. Price Date 6-10-1971

Source of Data Mr. Ekern & obs.

16. Remarks:

* owner didn't want measured -
lot secures almost all of
water from the city of
Vernon.

CASING & BLANK PIPE			
Cemented From		ft. to	
Diam. (in.)	Type	Setting, ft. from	to
B	galv.	+3.0	35

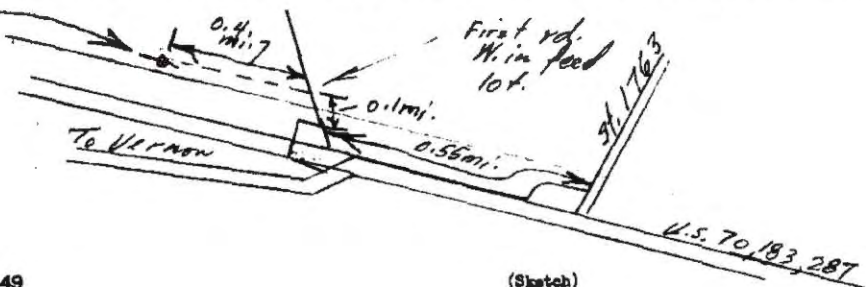
WELL SCREEN			
Screen Openings		Setting, ft.	
Diam. (in.)	Type	from	to
8	Perf.	Unknown	

RECEIVED

FEB 1 '80

CR/DWR

Subject Well



U/T/M*
In locked well house-

Well #3

TWDBE-GW ONLY

Program No. 7423

Proj. No. _____

CHEMICAL WATER ANALYSIS REPORT

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas State Department of Health Laboratories
1100 West 49th Street
Austin 5, Texas

Send report to:

Ground Water Division
Texas Water Development Board
P. O. Box 12386
Austin, Texas 78711

County Wilbarger

State Well No. ZH 13-55-703

Seed lot Well

Date Collected 6-10-1971

By R.D. Price

Location Sec. 13, Bk. 12, N. & T. C. R. Co.; 0.85 mi. NW on U.S. 183 bypass from Jct. St. 1768, 0.1 mi. N on drive
& 0.4 mi. N W Thru Seed lot

Source (type of well) Sub. Owner Johnson & E. Kern, Box 1492, Vernon, Texas

Date Drilled 1960 Depth 35 ft. WEP Seymour 85

Producing intervals Unknown Water level U.T.M. ft.

Sampled after pumping 1/2 hrs. Yield Unknown GPM meas. est. Temperature 68 °F °C

Point of collection Faucet at well Appearance clear - turbid - colored

Use S Remarks Send copy to owner as above

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS

KEY PUNCHED

Laboratory No. 199747

Date Received JUL 29 1971

Date Reported AUG. 17, 1971

	MG/L	ME/L
Silica	<u>30</u>	
Calcium	<u>111</u>	<u>5.54</u>
Magnesium	<u>62</u>	<u>5.13</u>
Sodium	<u>124</u>	<u>5.41</u>
Total		<u>16.08</u>

☒ Potassium 21

☐ Manganese _____ %Fe _____

☒ Boron 0.7 SAR _____

☐ Total Iron _____ REC _____

☐ (other) _____

Specific Conductance (micromhos/cm³) 1370

Diluted Conductance (micromhos/cm³) 16 x 104

"□" items will be analyzed if checked. 1664

Total Iron requires separate sample.

	MG/L	ME/L
Carbonate		<u>0</u>
Bicarbonate	<u>266</u>	<u>8.82</u>
Sulfate	<u>120</u>	<u>2.51</u>
Chloride	<u>128</u>	<u>3.60</u>
Fluoride	<u>0.9</u>	
Nitrate	<u>67</u>	<u>1.08</u>
pH	<u>7.6</u>	Total <u>16.01</u>

1/Dissolved Solids (sum) 910

Phenolphthalein Alkalinity as C aCO₃ 0

Total Alkalinity as C aCO₃ (8.82) 441

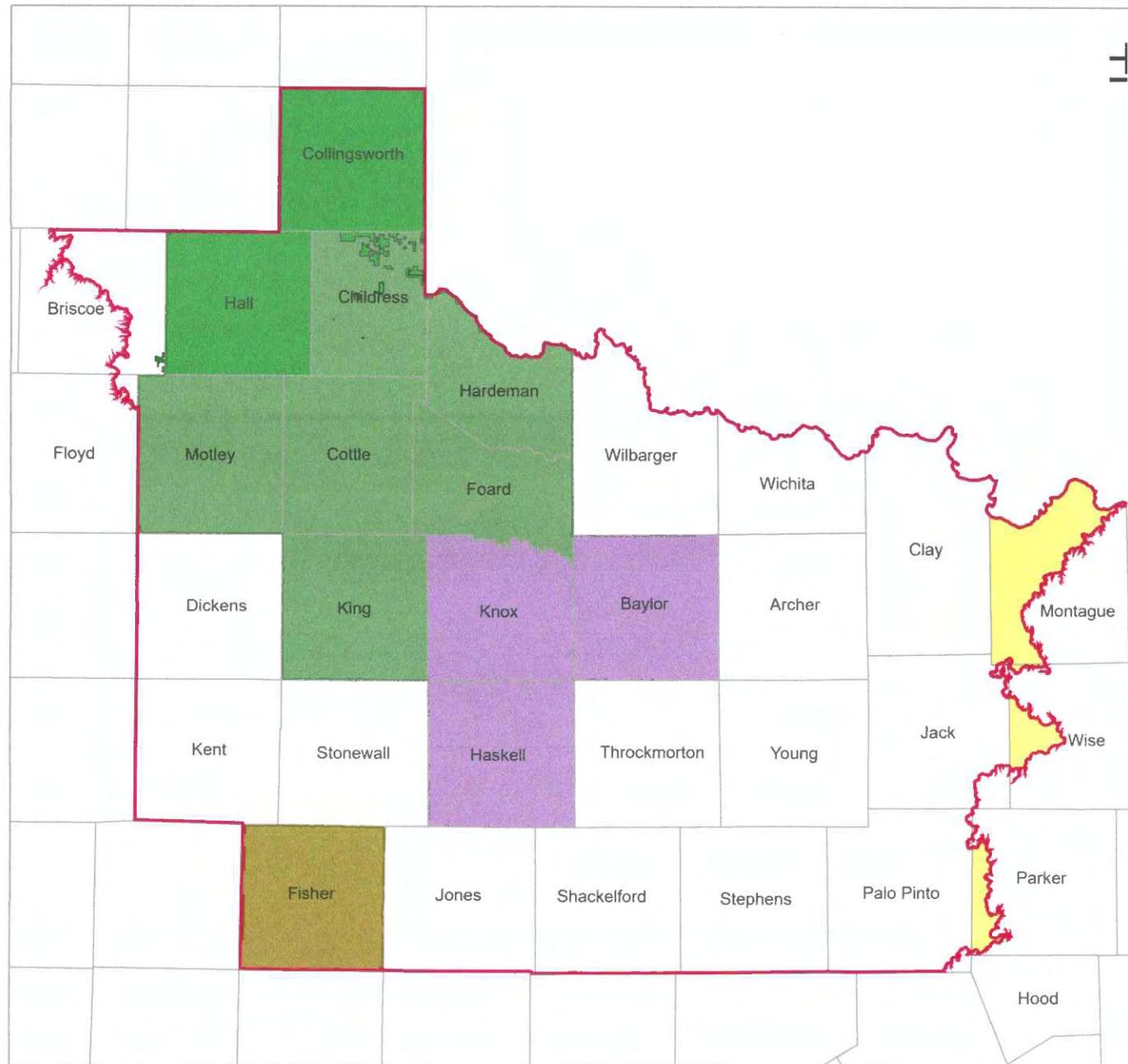
Total Hardness as C aCO₃ (10.67) 530

Analyst _____

Checked by _____

1/ The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.

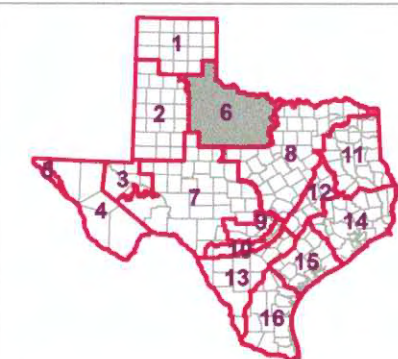
Groundwater Management Area 6



- Counties
- Groundwater Management Area
- Groundwater Conservation Districts**
- Clear Fork GCD
- Gateway GCD
- Mesquite GCD
- Rolling Plains GCD
- Upper Trinity GCD

DISCLAIMER
 This map was generated by the Texas Water Development Board. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate. Boundaries for groundwater conservation districts are approximate and may not accurately depict legal descriptions.

Updated 3/24/2021





0 80 160 320 480 640 Miles
 1 inch = 395 miles

**S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY, TEXAS**

**SUBCHAPTER B PERMIT APPLICATION
NEW PERMIT WQ000####000**

SECTION 5: LAND APPLICATION

-  **NUTRIENT MANAGEMENT PLAN**
-  **ANNUAL SOIL SAMPLING ANALYSIS, EFFLUENT & MANURE**



Waste Utilization and Nutrient Management Plan

S.A.S Land and Cattle

7035 HWY 287 East

Vernon, Texas 76384

940-636-8760

TCEQ Permit Number:

WQ000####000

Owner

S.A.S Land and Cattle, LLC

2329 Plainview Road

Seymour, Texas 76380

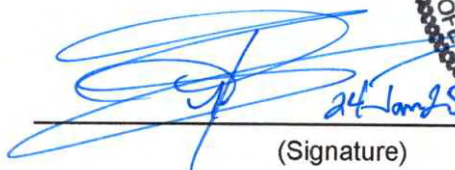
940-636-8760

Operator

SAME

Type of Waste Plan:

Other AFO-CAFO Waste Plan
located in Wilbarger County

Prepared By

(Signature)

Noel Courts, P.G.

Certified Nutrient Management Planner

Certificate Number = TX20221

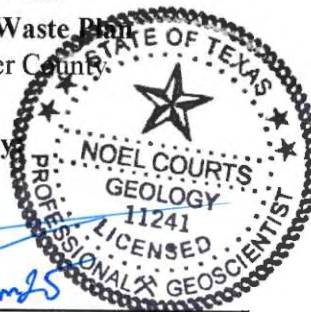
Expiration Date = January 31, 2025

M.E. Lowther Consulting, LLC

P.O. Box 7332

Abilene, Texas 79608-7332

325-692-5878



This plan is based on:

590 -633 Plan V 4.0_5

1/24/25 2:35 PM

Waste Utilization and Nutrient Management Plan

EXECUTIVE SUMMARY:

Permit #:

WQ000####000

This Nutrient Management Plan has fields that meet NUPs requirements.

This NMP meets all state and federal requirements.

All excess solids will be hauled offsite.

LOCATION AND PURPOSE OF THE PLAN

This animal operation is located in **Wilbarger** 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 **Beef Feedlot Waste Storage Pond**. Approximately **3000** head will be confined with the average weight of **800** pounds. The animals will be confined **24** hours per day for **365** days per year.

Waste Utilization and Nutrient Management Plan

TABLES 1, 2 and 2a

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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. 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 "book" values, this plan will need revision.

Application of effluent 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. The 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:

There is no solids application in this plan. If any is produced, it will be transported off-site.

EFFLUENT APPLICATION:

The maximum effluent application rates are given in Table 4 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 maximum 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 4. 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_2O_5 , and K_2O contained in the effluent are provided in Table 5 for the maximum application rate indicated in Table 4. 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 needs.

Waste Utilization and Nutrient Management Plan

EFFLUENT APPLICATION: (cont)

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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.

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 effluent produced. Table 7 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 6. The amounts of supplemental nutrients in Table 7 are based on the actual amount of effluent available rather than the **maximum** rate that "could" be applied.

The bottom line on the right of Table 6 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 off-site.

Actual application will be based on the quantities produced, as well as, current effluent 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 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 crop requirement rates in both Table 4 and 6 may be doubled not to exceed 2X the 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.

Land application of 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. Effluent will not 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. Surface applications with trucks should only be made when soil conditions are favorable in order to minimize soil compaction. **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,

Waste Utilization and Nutrient Management Plan

EFFLUENT APPLICATION: (cont)

Permit #:

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DO NOT exceed the rates shown in Table 1 of the attached Job Sheet entitled, "Waste Utilization, Determining Effluent Application Rates, rev. 4/06". 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, rev. 4/06" 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 8.

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 8 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.

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.

Waste Utilization and Nutrient Management Plan

MORTALITY MANAGEMENT: (cont)

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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.

Waste Utilization and Nutrient Management Plan

EFFLUENT STORAGE AND TESTING:

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

Effluent sampling is needed to get a better idea of the nutrients actually being applied. Effluent 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 effluent be analyzed for percent dry matter, 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.

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Waste Utilization and Nutrient Management Plan

OPERATION AND MAINTENANCE:

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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: Noel Courts, P.G.

Date: 1/24/2025

Plan Approved by: _____

Date: _____

Producer Signature: Plan discussed w/ Mr. Stallop

Date: 1/24/25

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.

PI Index by Field

Printed on: 1/24/25 2:38 PM

This plan is based on:

590 -633 Plan V 4.0_5

Permit #:

WQ000####000

Client Name: S.A.S Land and Cattle

Date:

1/24/2025

Planner: Noel Courts, P.G.

Location:

Wilbarger

Rainfall:

>25.0 inches

LMU or Fields	Crop	Slope	Runoff Curve	Soil Test P Level	Inorganic P ₂ O ₅ Appl Rate	Organic P ₂ O ₅ 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 Hay 4 cut, SG mod graze	2.1%	80	8	0	6	0	0.5	5	2	0	17.5	Medium	12/16/24

Waste Utilization and Nutrient Management Plan

Table 1 - Estimated Effluent and Solids Quantities Produced

Permit #: WQ000####000

Avg. Number of Animals <div style="border: 1px solid black; padding: 2px; text-align: center; color: blue; font-weight: bold;">3,000</div>	Type of Waste <div style="border: 1px solid black; padding: 2px; text-align: center; color: blue; font-weight: bold;">Beef Feedlot Waste Storage Pond</div>
---	--

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* 71

Estimated Tons Solids to be Land Applied Annually (on or off site)* 4,906.0

*From engineering design.

Estimated Nutrient Availability				
Effluent	pounds/yr	Pounds / 1000 gal	Pounds / Acre Inch	Solids used off site.
N	2,171	1.12	30.4	*
P2O5	1,745	0.90	24.4	
K2O	2,327	1.20	32.6	
	* Assumed Manure Value			* Assumed Manure Value

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

Waste Utilization and Nutrient Management Plan

TABLE 2. A Nutrient Management Plan (NMP) is required where Soil Test P Level ^{1/} 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 ^{5/}	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	1.5 Times Annual Crop P Requirement ^{3/}	1.5 Times Annual Crop P Requirement ^{3/}	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Requirement
Very High	1.0 Times Annual Crop P Requirement ^{3/}	1.0 Times Annual Crop P Requirement ^{3/}	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 ^{1/} is:

- equal to or greater than 200 ppm in non-arid areas ^{2/} or
- equal to or greater than 350 ppm in arid areas ^{2/} with a named stream greater than one mile or
- equal to or greater than 200 ppm in arid areas ^{2/} 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 ^{4/}	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	1.0 Times Annual Crop P Removal ^{4/}	1.0 Times Annual Crop P Removal ^{4/}	Double the Maximum Annual P Application Not to Exceed 2 times the Annual N Crop Removal
Very High or soil test P ^{1/} => 500 ppm in nutrient impaired TMDL areas. ^{5/}	0.5 Times Annual Crop P Removal ^{4/}	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.
- 3/ Not to exceed the annual nitrogen requirement rate.
- 4/ Not to exceed the annual nitrogen removal rate.
- 5/ TMDL watersheds are designated by Texas Commission on Environmental Quality (TCEQ).

Waste Utilization and Nutrient Management Plan

Table 3 - Crop Removal Rates (For Information Only)

Permit #: WQ000####000

LMU or Field No.	Acres	Crop and P Index Level	TCEQ Plan Type	Actual Crop Analysis or Default	Total Est. N Removal lbs/Ac/Yr	Total Est. P ₂ O ₅ Removal lbs/Ac/Yr	Total Est. K ₂ O Removal lbs/Ac/Yr
1	70.0	Coastal Hay 4 cut, SG mod graze M	NMP	Default	357	108	318

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**

Waste Utilization and Nutrient Management Plan

Table 4 - Maximum Effluent Application Per Field

Permit #:

WQ000####000

Est. Available Effluent (ac inches)	LMU or Field No.	Acres	Double crop	Crop Management and PI runoff potential	Current Soil Test P Level (ppm)	Max Annual P ₂ O ₅ (lbs/acre)	Annual/Biennial	Maximum Effluent Allowable (ac in/ac)	Maximum Effluent Allowable / Field (ac in)
71	1	70.0		Coastal Hay 4 cut, SG mod graze M	102	350	A	14.3	1001
Source:									
Beef Feedlot Waste Storage Pond									
Total Effluent Application Acres									
70									
Maximum Effluent Application Allowable On-Site (ac in)									
1001									
Adequate									
Effluent to be used Off-Site (ac in)									
0									

End of Table 4

Table 5 - Nutrients Applied/Needed at Maximum Effluent Rates

WQ000####000

Plan is based on: 590 -633 Plan V 4.0_5

Waste Utilization and Nutrient Management Plan

Table 6 - Planned Effluent Application Rates

Permit #:

WQ000####000

LMU or Field No.	Acres	Double crop	Crop Management and PI runoff potential	Current Soil Test P ppm	Annual / Biennial	Maximum Effluent (ac in/ac)	% of Maximum to apply	Planned Effluent (ac in/ac)	Planned Effluent / field (Ac. In)
1	70.0		Coastal Hay 4 cut, SG mod graze M	102	A	14.3	7.4	1.1	77
Acres	70.0					Will the planned application rates use all of the Effluent?			77 YES

Waste Utilization and Nutrient Management Plan

Table 8 - Available Water Capacity to 24 inches (or less) of predominant soil in fields receiving effluent and Texture of the most restrictive soil layer in the upper 24 Permit #:

WQ000####000

LMU / Field #	AWC (inches)	Restrictive Texture
1	3.525	Clay

LMU / Field #	AWC (inches)	Restrictive Texture

Waste Utilization and Nutrient Management Plan

Table 9 - Non Application Areas by Field

Permit #:

WQ000####000

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

LMU / Field #	FS Acres	FB Acres	RFB Acres	OLEA Acres	Total Excluded
1	0.0	0.0			

LMU / Field #	FS Acres	FB Acres	RFB Acres	OLEA Acres	Total Excluded

See Application Map for location of buffers

Total 590-633 application acres: 70.0

Totals 0.0 0.0 0.0 0.0 0.0

Total 590-633 Field Acres: 70.0

Waste Utilization and Nutrient Management Data Entries

General Data

Date : 1/24/2025
Farmer Name : S.A.S Land and Cattle
County in which the Land is located : Wilbarger
Type of Waste Plan : Other AFO-CAFO Waste Plan
Is this plan in a TMDL watershed for nutrients?
Yes or No : No
Is any field PERMITTED by TCEQ?
Yes or No : Yes
Permit # : WQ000####000

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 : 3000
Approximate Weight : 800
Days per year in confinement : 365
Hours per day confined : 24
ACRE FEET of effluent to be irrigated* : 5.95
Estimated annual gallons of effluent to be irrigated/applied annually : 1938795.6
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)* : 4906
Is this the first Year of the AFO-CAFO Operation? : Yes

Analysis Information

Effluent Information

Date of Analysis: 1/24/2025
Manure Source: Beef Feedlot Waste Storage Pond
Nitrogen % From Analysis: n/a
Phosphorus % From Analysis: n/a
Potassium % From Analysis: n/a
Moisture % From Analysis: 99.8

Manure / Solids Information

Date of Analysis:
Manure Source:
Nitrogen % From Analysis: n/a
Phosphorus % From Analysis: n/a
Potassium % From Analysis: n/a
Moisture % From Analysis:
What will be Applied to Fields on this Farm? Effluent Only
Is this Farm part of an AFO-CAFO? No

This plan is based on: 590 -633 Plan V 4.0
Printed on: 1/24/25 2:36 PM

Field and Buffer Entries

Permit #: WQ000####000

Printed on: 1/24/25 2:36 PM

Plan is based on: 590 -633 Plan V 4.0_5

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.

[illegible]

Soil Test, Crop Information and Plant Analysis Data Entries

Printed on: 1/24/25 2:37 PM

Plan is based on: 590 -633 Plan V 4.0 5

Permit #: WQ000####000

[illegible]

Effluent Application Rate Entries

Effluent - Set the Planned Application Rates

Permit #:

WQ000####000

1938796 Gallons of Effluent to be used annually		Will the planned rates use all of the effluent?								Yes
71 Acre inches of Effluent to be used annually										
LMU or Field No.	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 inches)	
1	70.0	Coastal Hay 4 cut, SG mod graze M	102	175	Annual	14.3	7.4	1.1	77	
Total Effluent This Page										77

Available Water Capacity Entries

Printed on: 1/24/25 2:37 PM

Plan is based on: 590 -633 Plan V 4.0_5

Permit #: WQ000####000

[illegible]

SOIL ANALYSIS REPORT

CLIENT:
45280
M E LOWTHER CONSULTING LLC
MITCH LOWTHER
PO BOX 7332
ABILENE, TX 79608



www.servitech.com

6921 S. Bell
Amarillo, TX 79109
800.657.7509
806.677.0093
Fax 806.677.0329

LAB NO: 30558
INVOICE NO: 173996
DATE RECEIVED: 12/16/2024
DATE REPORTED: 12/19/2024

SOIL ANALYSIS RESULTS FOR:

FIELD ID:

METHOD USED:			1:2 Soil-Water		1:2 Soil-Water	XSL(%)	LOI(%)	Cd Reduction		Mehlich 3 ICP											
Lab Number	Sample ID	Sample Depth	Soil pH	Buffer pH	Soil Salts mmho/cm	Excess Lime	% Organic Matter	Nitrate-Nitrogen ppm	Nitrate-Nitrogen lb. N/A	Phosphorus ppm P	Potassium ppm K	Sulfur ppm	S/A	Calcium ppm Ca	Magnesium ppm Mg	Sodium ppm Na	Zinc ppm Zn	Iron ppm Fe	Manganese ppm Mn	Copper ppm Cu	Boron ppm B
30558	1 ALA 06	0 - 6	8.3		0.16	Hi	0.9	22.1	40	102	377	14	25	5720	187	6					

FERTILIZER RECOMMENDATIONS:

POUNDS ACTUAL NUTRIENT PER ACRE

Cation Exchange Capacity

Lab Number	Sample ID	Crop To Be Grown	Yield Goal	Lime, ECC Tons/A to raise pH to:			N	P ₂ O ₅	K ₂ O	Zn	S	Mn	Cu	MgO	B	Ca	Cl	Cation Exchange Capacity					
				6.0	6.5	7.0												CEC	%H	%K	%Ca	%Mg	%Na
30558	1 ALA 06																	28	0	4	91	6	0

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 30558

Servi-Tech Laboratory fertilizer recommendations were not requested.

Lab Number(s): 30558

The CEC value calculated by cation summation has been adjusted to compensate for the presence of excess lime (reactive carbonates).

Analyses are representative of the samples submitted

Samples are retained 30 days after report of analysis

Explanations of soil analysis terms are available upon request

Reviewed and
Approved By:

Ashleigh Laugesen
Signer

Ashleigh Laugesen

Page 1 of 1
12/19/2024 7:28 am

The reported analytical results apply only to the sample as it was supplied. The report may not be reproduced, except in full, without permission of ServiTech.

Your opinion is valuable to us. Please let us know what you think about our services! Send an email to feedback@servitech.com.

S.A.S Land and Cattle
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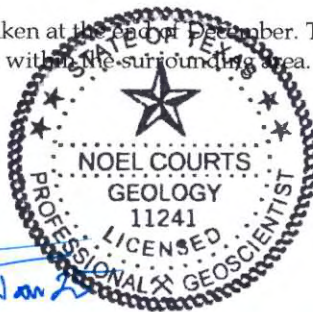
Site Specific Information for LMU #1
from Nutrient Management Plan

The following chart lists the other possible crop scenarios for each LMU for the term of the permit that was not given in the plan.

LMU #	Crop Scenarios	
	Establishment	Coastal 2 cut Hay
1	Grazing	Coastal Grazing 1 AU/1ac Rye Grass Moderate Grazing Small Grain Moderate Grazing Oats Light-Heavy Grazing Wheat Light-Heavy Grazing
	Green Chop	Coastal GC (30% DM) 9-11 Ton SG Green Chop (25%DM) 6 to 7 tons
	Forage	Coastal 2-4 Cut Hay Wheat Forage 2000-6000# Rye Grass 6000# Sorg. Sudan Hay 11000# Sorg. Forage Hay 11000# Triticale Hay 9000# Alfalfa Hay 2-12 Tons
	Row Crop Silage	Silage - Sorg & Corn(35%DM) 8-32 Ton SG Silage(35% DM) 5 to 12 tons

Soil Samples were taken at the end of December. The NMP was developed, submitted, and revised based on analysis from another feedlot within the surrounding area.

Thanks



Noel Courts, P.G.
License No. 11241
Certified Nutrient Management Specialist
License No. TX20221

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 (oven-dry) 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

Physical Soil Properties--Wilbarger County, Texas														
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/in	Pct	Pct					
EnA-- Enterprise very fine sandy loam, 0 to 1 percent slopes														
Enterprise	0-26	53-63- 80	5-27- 40	5-10- 18	1.35-1.60	14.00-42.00	0.13-0.17	0.3-1.9	0.5-1.0	.55	.55	5	3	86
	26-60	15-61- 85	10-26- 75	5-13- 18	1.40-1.55	14.00-42.00	0.12-0.17	0.3-1.9	0.1-0.5	.49	.49			
	60-80	15-62- 85	10-26- 75	5-12- 18	1.40-1.60	14.00-42.00	0.12-0.17	0.3-1.9	0.1-0.5	.49	.49			
EnB-- Enterprise very fine sandy loam, 1 to 3 percent slopes														
Enterprise	0-9	53-63- 80	5-27- 40	5-10- 18	1.35-1.60	14.00-42.00	0.13-0.17	0.3-1.9	0.5-1.0	.55	.55	5	3	86
	9-26	15-61- 85	10-26- 75	5-13- 18	1.40-1.55	14.00-42.00	0.12-0.17	0.3-1.9	0.1-0.5	.49	.49			
	26-80	15-62- 85	10-26- 75	5-12- 18	1.40-1.60	14.00-42.00	0.12-0.17	0.3-1.9	0.1-0.5	.49	.49			
EnC-- Enterprise very fine sandy loam, 3 to 5 percent slopes														
Enterprise	0-8	53-63- 80	5-27- 40	5-10- 18	1.35-1.60	14.00-40.00	0.13-0.17	0.3-1.9	0.5-1.0	.55	.55	5	3	86
	8-30	15-61- 85	10-26- 75	5-13- 18	1.40-1.55	14.00-40.00	0.12-0.17	0.3-1.9	0.1-0.5	.49	.49			
	30-80	15-62- 85	10-26- 75	5-12- 18	1.40-1.60	14.00-40.00	0.12-0.17	0.3-1.9	0.1-0.5	.49	.49			

Physical Soil Properties—Wilbarger County, Texas														
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/in	Pct	Pct					
Lo—Clairemont clay loam, 0 to 1 percent slopes, frequently flooded														
Clairemont	0-12	20-27- 35	30-42- 53	27-31- 35	1.30-1.45	4.00-14.00	0.15-0.20	3.5-5.7	0.5-2.0	.28	.28	5	4L	86
	12-80	5- 7- 30	42-63- 77	18-30- 35	1.30-1.60	4.00-14.00	0.13-0.22	1.7-5.7	0.5-2.0	.43	.43			
MfB—Miles fine sandy loam, moist, 1 to 3 percent slopes														
Miles, moist	0-14	60-71- 75	10-16- 30	7-13- 18	1.44-1.54	14.00-42.00	0.08-0.15	0.6-1.9	0.5-1.5	.20	.20	5	3	86
	14-20	30-55- 65	10-17- 40	20-28- 35	1.50-1.65	4.00-14.00	0.08-0.17	2.1-5.1	0.2-1.3	.20	.20			
	20-60	30-55- 65	10-17- 40	20-28- 35	1.50-1.65	4.00-14.00	0.08-0.17	1.9-5.0	0.1-0.5	.20	.20			
	60-80	45-59- 65	10-17- 35	17-24- 30	1.49-1.59	4.00-14.00	0.08-0.17	1.2-4.0	0.0-0.3	.24	.24			

Data Source Information

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



Engineering Properties

This table gives the engineering classifications and the range of engineering properties for the layers of each soil in the survey area.

Hydrologic soil group is a group of soils having similar runoff potential under similar storm and cover conditions. The criteria for determining Hydrologic soil group is found in the National Engineering Handbook, Chapter 7 issued May 2007(<http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba>). Listing HSGs by soil map unit component and not by soil series is a new concept for the engineers. Past engineering references contained lists of HSGs by soil series. Soil series are continually being defined and redefined, and the list of soil series names changes so frequently as to make the task of maintaining a single national list virtually impossible. Therefore, the criteria is now used to calculate the HSG using the component soil properties and no such national series lists will be maintained. All such references are obsolete and their use should be discontinued. Soil properties that influence runoff potential are those that influence the minimum rate of infiltration for a bare soil after prolonged wetting and when not frozen. These properties are depth to a seasonal high water table, saturated hydraulic conductivity after prolonged wetting, and depth to a layer with a very slow water transmission rate. Changes in soil properties caused by land management or climate changes also cause the hydrologic soil group to change. The influence of ground cover is treated independently. There are four hydrologic soil groups, A, B, C, and D, and three dual groups, A/D, B/D, and C/D. In the dual groups, the first letter is for drained areas and the second letter is for undrained areas.

The four hydrologic soil groups are described in the following paragraphs:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

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

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, "gravelly."

Classification of the soils is determined according to the Unified soil classification system (ASTM, 2005) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 2004).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Percentage of rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an oven-dry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Liquid limit and plasticity index (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

References:

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Report—Engineering Properties

Absence of an entry indicates that the data were not estimated. The asterisk "*" denotes the representative texture; other possible textures follow the dash. The criteria for determining the hydrologic soil group for individual soil components is found in the National Engineering Handbook, Chapter 7 issued May 2007(<http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba>). Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Engineering Properties—Wilbarger County, Texas														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			<i>In</i>				<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>
EnA—Enterprise very fine sandy loam, 0 to 1 percent slopes														
Enterprise	90	A	0-26	Very fine sandy loam	CL-ML, ML	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	98-100-100	92-99-100	54-60-68	17-22-30	2-3 -12
			26-60	Very fine sandy loam, loam, silt loam	CL-ML, ML	A-6, A-4	0- 0- 0	0- 0- 0	100-100-100	98-100-100	89-99-100	52-61-66	16-23-29	2-3 -12
			60-80	Very fine sandy loam, loam, silt loam	CL-ML, ML	A-6, A-4	0- 0- 0	0- 0- 0	100-100-100	98-100-100	91-99-100	52-60-66	16-23-29	2-3 -12
EnB—Enterprise very fine sandy loam, 1 to 3 percent slopes														
Enterprise	90	A	0-9	Very fine sandy loam	CL-ML, ML	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	98-100-100	92-99-100	54-60-68	17-22-30	2-3 -12
			9-26	Very fine sandy loam, loam, silt loam	CL-ML, ML	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	98-100-100	89-99-100	52-61-66	16-23-29	2-3 -12
			26-80	Very fine sandy loam, loam, silt loam	CL-ML, ML	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	98-100-100	91-99-100	52-60-66	16-23-29	2-3 -12

Engineering Properties—Wilbarger County, Texas														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			<i>In</i>				<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>
EnC—Enterprise very fine sandy loam, 3 to 5 percent slopes														
Enterprise	90	A	0-8	Very fine sandy loam	CL-ML, ML	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	98-100-100	92-99-100	54-60-68	17-22-30	2-3 -12
			8-30	Very fine sandy loam, loam, silt loam	CL-ML, ML	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	98-100-100	89-99-100	52-61-66	16-23-29	2-3 -12
			30-80	Very fine sandy loam, loam, silt loam	CL-ML, ML	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	98-100-100	91-99-100	52-60-66	16-23-29	2-3 -12
Lo—Clairemont clay loam, 0 to 1 percent slopes, frequently flooded														
Clairemont	92	B	0-12	Clay loam	CL	A-6, A-7-6	0- 0- 0	0- 0- 0	100-100-100	98-98-100	93-97-100	75-81-89	31-37-44	12-17-22
			12-80	Loam, silt loam, stratified very fine sandy loam to loam to silt loam to silty clay loam, silty clay loam	CL	A-6, A-7-6, A-4	0- 0- 0	0- 0- 0	100-100-100	98-98-100	90-97-100	81-93-100	28-39-44	9-18-22

Engineering Properties—Wilbarger County, Texas														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			<i>In</i>				<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>	<i>L-R-H</i>
MfB—Miles fine sandy loam, moist, 1 to 3 percent slopes														
Miles, moist	92	B	0-14	Fine sandy loam	SM, SC, SC-SM	A-6, A-2-4, A-4	0- 0- 0	0- 0- 0	96-99-100	95-98-100	82-91-98	31-38-44	19-25-30	3-8 -12
			14-20	Sandy clay loam, clay loam, loam	CL, SC	A-7-6, A-6	0- 0- 0	0- 0- 0	96-99-100	95-98-100	82-93-100	41-51-59	25-38-45	13-19-25
			20-60	Sandy clay loam, clay loam, loam	CL, SC	A-7-6, A-6	0- 0- 0	0- 0- 0	88-96-100	84-95-100	73-90-100	37-49-59	25-37-45	13-19-25
			60-80	Sandy clay loam, fine sandy loam, loam	CL, SC	A-6, A-7-6, A-4	0- 0- 0	0- 0- 0	86-93-100	84-92-100	76-87-100	37-44-59	25-33-44	9-15-21

Data Source Information



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



**S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY, TEXAS**

**SUBCHAPTER B PERMIT APPLICATION
NEW PERMIT WQ000####000**

SECTION 6: ODOR CONTROL PLAN & PPP SIGNATURE PAGE

-  **ODOR CONTROL PLAN**
-  **TCEQ FORM – 00760 – PPP SIGNATURE PAGE**

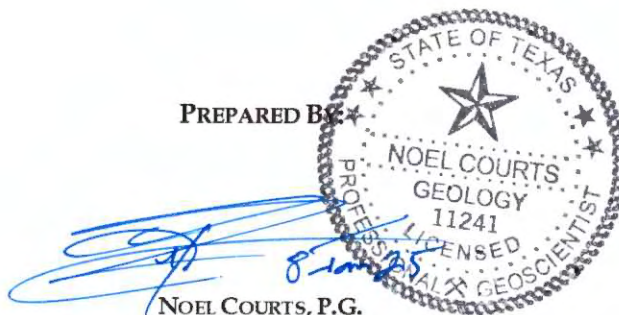


ODOR CONTROL PLAN AND CERTIFICATION

S.A.S. LAND AND CATTLE, LLC
2329 PLAINVIEW ROAD
SEYMOUR, TEXAS 76380
WILBARGER COUNTY

PLAN WRITTEN FOR:
ROYCE STALLCUP, PRESIDENT

PREPARED BY



NOEL COURTS, P.G.

PROFESSIONAL GEOSCIENTIST

TX LICENSE NO. 11241 / FL LICENSE NO. PG3091 / LA LICENSE NO. 754

CERTIFIED NUTRIENT MANAGEMENT SPECIALIST

LICENSE NO. TX20221



M.E. LOWTHER CONSULTING, LLC

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GENERAL REMARKS

This plan is designed to address odors that may come from that activities associated with this facility, which includes but is not limited to open lots, retention control structures, and solid waste storage area(s) at the site location. Odors may be less noticeable during dry, calm days and tend to be their strongest during the cleaning of the open lots, during solids application, and during the irrigation of wastewater to the Land Management Units (LMU's). It is the intention of S.A.S. Land and Cattle to limit the odors to the absolute minimum.

PRACTICES SUGGESTED FOR AN ODOR CONTROL PLAN FOR S.A.S. LAND AND CATTLE

1. Open Lot manure will be harrowed when needed (Daily/Weekly). Procedures to best reduce odors during the operation will be considered when cleaning and the timing of cleaning and scraping the Lots.
2. Dead animals will be collected within 24 hours and removed by a contractor within 72 hours, or may be composted on site using approved practices and guidelines of the TCEQ, NRCS, and EPA.
3. Irrigation application will be conducted during periods when wind velocity and humidity are at its lowest to reduce any odors to neighboring properties. Irrigation will be monitored by an employee or by management trained in the application of wastewater guidelines of TCEQ regarding waste disposal. Available schooling will be attended to increase familiarity with technology or practices when they occur.
4. Regular Maintenance of watering devices and harrowing equipment is important as well to reduce the unnecessary addition of moisture to waste.
5. Lounging areas in the open lots have been constructed and will be maintained to minimize ponding and pooling of liquids caused by storm events or the overflow of watering devices. Regular maintenance of watering devices is important as well to reduce the unnecessary addition of moisture to waste.
6. Clean out of the retention control structure(s) (RCS's) will be done according to the designed cleanout schedule. Timing, weather conditions, and technique are all factors that will be considered prior to clean out of sludge.
7. In an effort to reduce air-bound particulate that facility will add moisture to feed when needed to reduce nuisances caused by this facility. Controlling the speed of farm vehicles will help reduce the dust generated at the facility. Manure will be applied in accordance with Best Management Practices, not to exceed annual NMP and agronomic rates.



CONCLUSIONS

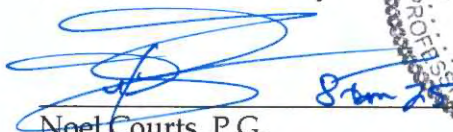
The subject property is located in the Vernon, Texas and is requesting a permit for 3,000 total head of beef cattle. S.A.S. Land and Cattle would urge anyone who lives in the vicinity of the facility, to notify management when a problem develops so the source can be identified and controlled.

CERTIFICATION

The undersigned hereby certifies that:

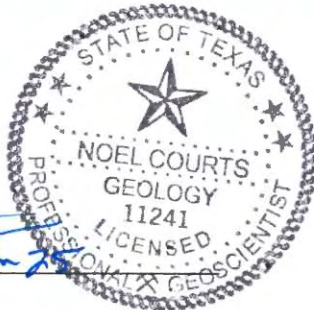
The proposed plan, with implemented and maintained best management practices, will prevent any adverse impacts from odors to neighboring facilities and the affects of those odors.

Written & Certified By:



Noel Courts, P.G.

Professional Geoscientist, License No. 11241



Date _____

ATTACHMENT

Odor Control Map





Odor Control Map

S.A.S. Land and Cattle
Royce Stallcup, President
Date: 01/24/2025

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