

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



NOTICE OF RECEIPT OF AN APPLICATION AND DECLARATION OF ADMINISTRATIVE COMPLETENESS

An application to renew beneficial use site registration number 711013 for:

Applicant: Comal Ag Operations, LLC
P.O. Box 483
Boerne, Texas 78006

Landowner: Santa Rita Land & Cattle Holdings, Ltd.
P.O. Box 483
Boerne, Texas 78006

was received by the Texas Commission on Environmental Quality (TCEQ) on April 16, 2020 and declared to be administratively complete on June 16, 2020.

Type of Operation: Beneficial land application of domestic septage products only.

Location of Site: The site is located approximately 6,000 feet west-northwest of the intersection of Short Cut Road and Youngsford Road, in Guadalupe County, Texas 78130. 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 exact location, refer to application.
<https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=db5bac44afbc468bbddd36of816825of&marker=-98.0772%2C29.6026&level=12>

Remarks: The applicant is seeking authorization to land apply domestic septage at agronomic rates on approximately 95.4 acres.

The TCEQ has mailed a copy of the application for registration with this notice to the Guadalupe County Judge for viewing by interested parties. For further information concerning this application, you may contact the authorized person to act for the applicant, Mr. Brandt Klutts, Santa Rita Land and Cattle Holdings, Ltd., at 830-305-4623. Interested parties have 30 days from the date this notice is issued to review the application and provide written comments to Kyle Lucas, Acting Chief Clerk (MC-105), P.O. Box 13087, Austin, Texas 78711-3087, regarding this proposed land application site. At the end of this notice period, all written comments will be forwarded to the Sludge Team for review and consideration.

The application will now be subject to technical evaluation by the staff of the TCEQ. Persons should be advised that the application is subject to change based on evaluations of the proposed treatment levels, treatment processes and site specific conditions as they relate to the protection of the environment and public health.

After the technical evaluation of this application is complete, the Executive Director will issue a decision to approve or deny this registration. The applicant or a person affected by this decision may file a Motion to Overturn with the Chief Clerk's Office pursuant to 30 TAC §312.13(e) and §50.139.

The identification number of this application is Registration Number 711013. Individual members of the public who wish to inquire about the information contained in this notice, or who wish to inquire about other agency permit applications or the permitting processes, should call the TCEQ Public Education Program toll free at (800) 687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

Issued: October 30, 2020

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 30, 2020

The Honorable Kyle Kutscher
Guadalupe County Judge
101 East Court Street
Seguin, Texas 78155

RE: CN604870972; CN604876029
Beneficial Land Use Site Registration No. 711013 (RN108531716)

Dear Judge Kutscher:

Enclosed is a notice of receipt on an application and declaration of administrative completeness for the referenced beneficial use site registration located in Guadalupe County.

In accordance with Chapter 312.13 of the Texas Commission on Environmental Quality Rules, the notice states that a copy of the application has been provided to the county judge and is available for review. This notice is mailed to all landowners named on the application map or supplemental map, or the sheet attached to the map(s).

If you should have any questions, please contact Ms. Abesha Michael, Applications Review and Processing Team, at 512-239-4912.

Sincerely,

A handwritten signature in cursive script that reads "Bridget C. Bohac".

Bridget C. Bohac, Chief Clerk
Texas Commission on Environmental Quality

BCB/gcw

Enclosures

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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Issued: October 30, 2020

**Applicant & Their Contacts during Application Process
Mailing List for Notice**

TCEQ Registration No. 711013

Applicant Information

Operator: Comal Ag Operations, LLC
P.O. Box 483
Boerne, Texas 78006

Landowner: Santa Rita Land & Cattle Holdings, Ltd
P.O. Box 483
Boerne, Texas 78006

Customer No.: CN604870972 (Operator)
CN604876029 (Landowner)

Regulated Entity No.: RN108531716

Contact Information

Applicant's Representative(s) or Contact Person during Application Process

Mr. Brandt Klutts
Santa Rita Land & Cattle Holdings, Ltd.
P.O. Box 483
Boerne, Texas 78006

Mr. Chris Pasch
Plummer Associates, Inc.
6300 La Calma Drive, Suite 400
Austin, Texas 78752

Phone: 830-305-462
Email: tesoro@gvtc.com

Phone: 512-687-2162
Fax: 512-452-2325
Email: cpasch@plummer.com

County Judge Info

The Honorable Kyle Kutscher
Guadalupe County Judge
101 East Court Street
Seguin, Texas 78155

Phone: 830-303-8867

Mailing Lists

Fixed State Mailing List (By Chief Clerk) SB 709 () HB 801 () N/A () For 73 Other (X) For 710XXX

County Mailing List: Guadalupe

City to Be Notified: McQueeney

Coastal Zone Management Plan () Yes (X) No

Notice to GLO () Yes (X) No

Adjacent/Downstream Landowners List plus Interested Persons

Landowner Mailing List Attached (X) Yes () No

Bilingual Notice Required () Yes (X) No

Notify Following County Judges Only If They Officially Requested To Be Notified Of All Permit Actions (Only Applies To Facilities with A Flow of 5 MGD or Greater): N/A

EXHIBIT II

**SANTA RITA LAND AND CATTLE HOLDINGS, LTD.,
AND COMAL AG OPERATIONS, LLC.**

County Judge Name and Address Request:

Kyle Kutscher, Guadalupe County Judge 101 East Court Street Seguin, Texas 78155

Neighbor Request Map Key:

- 1.** JUSTIN & EMILY KELLEY
1141 N LOOP 1604 E #105-123
SAN ANTONIO, TX 78232

- 2.** JUDY MARIE WILLIAMS ALTENHOF
1332 YOUNGSFORD ROAD
NEW BRAUNFELS, TX 78130

- 3.** AT HOLDING-GRIMM LLC (TITLEHOLDER FOR GEORGE & SHERRY GRIMM)
516 N AUSTIN ST
SEGUIN, TX 78155

- 4.** MCQ FARM & RANCH LLC
1205 RIVER BEND DR
HOUSTON, TX 77063

- 5.** SHIRLEY ALTENHOF GERMANN
555 GIN SPUR
SEGUIN, TX 78155

RECEIVED

OCT 16 2020

Water Quality Applications Team

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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Issued:

Jon Niemann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

The Honorable Kyle Kutscher
Guadalupe County Judge
101 East Court Street
Seguin, Texas 78155

RE: CN604870972; CN604876029
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If you should have any questions, please contact Ms. Abesha Michael, Applications Review and Processing Team, at 512-239-4912.

Sincerely,

Kyle Lucas, Chief Clerk
Texas Commission on Environmental Quality

KL: ahm

Enclosures

Abesha Michael

From: Lewis, Ashley <alewis@plummer.com>
Sent: Wednesday, October 28, 2020 9:53 AM
To: Abesha Michael
Cc: Pasch, Chris; Brian Sierant; Travis Timm
Subject: RE: Application to Renew Registration No. 711013, Comal Ag Operations, LLC and Santa Rita Land & Cattle Holdings, Ltd.
Attachments: 20201028_Application Pages_Section 10 Notice Information.pdf; 20201028_Adjacent Landowner Map for Comments.pdf

Good Morning Abesha,

We have updated the registration application as you requested. Please find attached Section 10, Notice Information (pages 7-8) of the registration application and an updated landowner map with the facility boundary labeled. Please let me or Chris Pasch know if you need anything else.

Best,

Ashley Lewis

P: 512.452.5905
D: 512.687.2154
alewis@plummer.com
www.plummer.com

From: Abesha Michael <Abesha.Michael@tceq.texas.gov>
Sent: Friday, October 23, 2020 10:47 AM
To: Pasch, Chris <cpasch@plummer.com>
Cc: Brian Sierant <brian.sierant@tceq.texas.gov>; Travis Timm <Travis.Timm@tceq.texas.gov>
Subject: Application to Renew Registration No. 711013, Comal Ag Operations, LLC and Santa Rita Land & Cattle Holdings, Ltd.

Good Morning Mr. Pasch,

I am reviewing the above mentioned registration. The following items are needed to prepare the public notice:

1. Section 10, Notice Information, on page 7&8 of the application: These items were indicating N/A, However, we need to get these information to prepare the public notice. Please complete the following on page 7&8 of the application and email to my attention ASAP.
 - a) The individual to be listed as contact in the notice (full address);
 - b) County Judge in each county where the site is located;
 - c) Landowner map, the facility site boundaries (is not labeled in the landowner map) within the applicant's property boundaries;
 - f) The landowner data source.

Thank you,



Abesha H. Michael
Applications Review & Processing Team
Water Quality Division Support Section
Water Quality Division, MC 148
PO Box 13087
Austin, Texas 78711
Phone: o: 512-239-4912; c: 346-802-8446
Email: abesha.michael@tceq.texas.gov

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

D. USDA Natural Resources Conservation Service (NRCS) Soil Map

Submit a legible copy of a USDA Natural Resources Conservation Service (NRCS) Soil Map that shows the approximate application area boundaries along with a soil legend and necessary interpretative information. Identify the location of each grab sample of the composite soil sample(s) taken for analyses. Soil maps are available at the following website:

<http://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/?stateId=TX>.

If the specific county is not mapped, have a soil scientist identify the soils.

Attachment Number: D.1 & D.2

E. Federal Emergency Management Agency (FEMA) Map

Submit a copy of the Federal Emergency Management Agency (FEMA) Map that shows the approximate application area boundaries along with the appropriate legend. Several options are available for obtaining these: They can be obtained by requesting a Flood Insurance Study (no charge) from the FEMA Flood Map Distribution Center at 800-358-9616. The flood insurance study will contain a booklet and the FEMA maps. The maps can also be downloaded from the following web site:

<https://msc.fema.gov/portal/search>.

Attachment Number: E

SECTION 10. NOTICE INFORMATION

This section is only required for New and Major Amendment applications.

A. Individual to be listed as contact in the notice

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

First and Last Name: Brandt Klutts

Organization Name: Santa Rita Land and Cattle Holdings, Ltd.

Mailing Address: P.O. Box 483

City, State, and Zip Code: Boerne, TX 78006

Phone Number: (830) 305-4623 Fax Number: N/A

E-mail Address: tesoro@gvtc.com

B. County Judge

Provide information for the County Judge in each county where the site is located. Attach an additional page if the site is located in more than one county.

First and Last Name: Kyle Kutscher

Name of County: Guadalupe

Title: County Judge

Mailing Address: 101 E Court St.

City, State, and Zip Code: Seguin, TX 78155

Phone Number: 830-303-8867

C. Landowner map. Attach a landowner map or drawing, with scale, that includes the following, as applicable.

- The applicant's property boundaries;
- The facility site boundaries within the applicant's property boundaries;
- The property boundaries of all contiguous property owned or under the control of the applicant and the landowners;
- The property boundaries of all landowners bordering the applicant's property.

Attachment Number: Exhibit I

D. Landowner list. Attach a separate list of the landowners' names and mailing addresses. The list must be cross-referenced to the landowners map.

Attachment Number: Exhibit II

E. Landowner list media. Indicate the format of the landowners list.

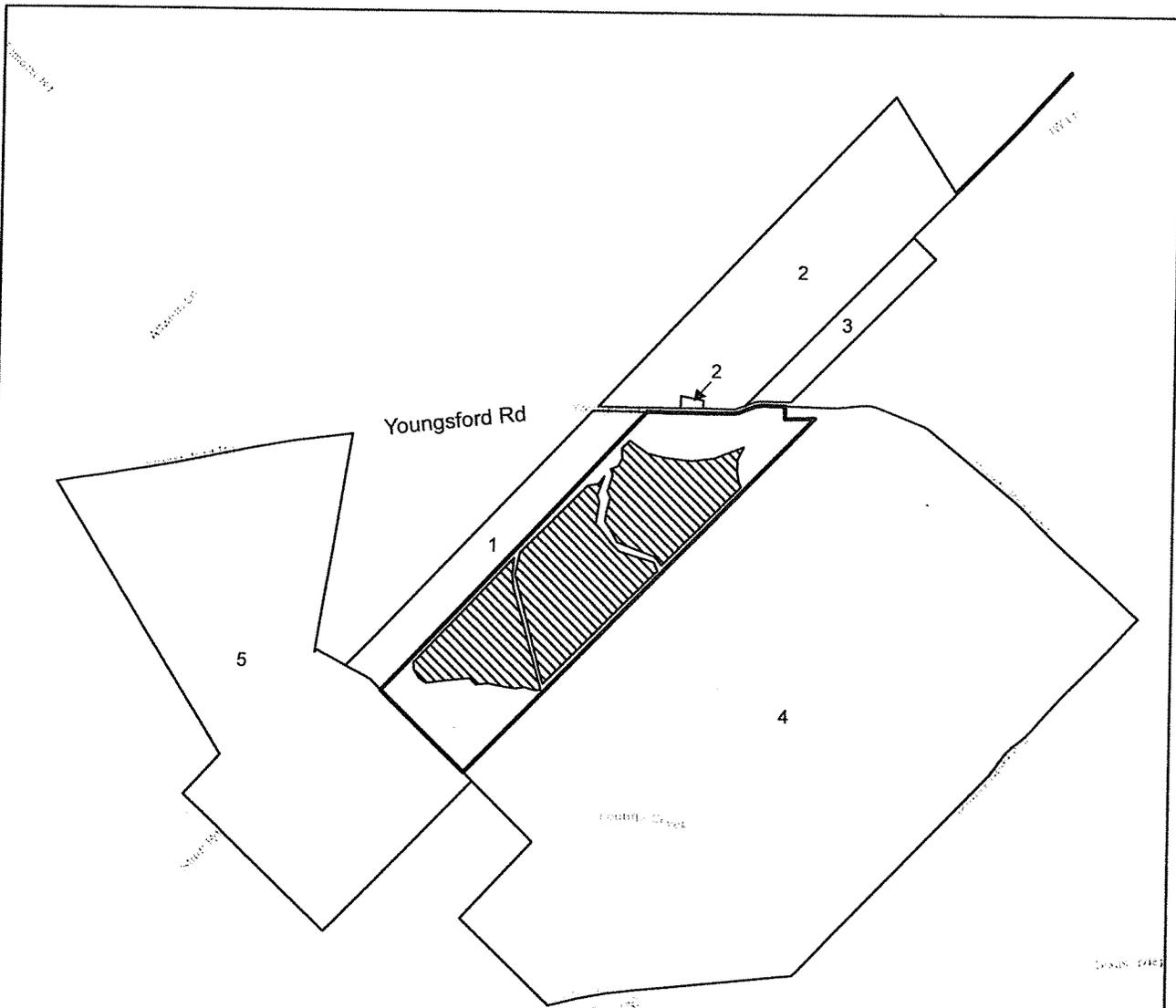
Read/Writeable CD

4 sets of labels

F. Landowner data source. Provide the source of the landowners' names and mailing addresses. Guadalupe County Appraisal District



PLUMMER



Legend

-  Applicant's Property Boundary/Facility Boundary
-  Land Application Boundary
-  Adjacent Landowners
-  Guadalupe County Parcels

Note: See Exhibit II for a cross-referenced list of affected landowners. The Property Boundary and Facility Boundary are contiguous.

**EXHIBIT I
SANTA RITA LAND AND CATTLE HOLDINGS, LTD.,
AND COMAL AG OPERATIONS, LLC.
ADJACENT LANDOWNER MAP**

TEXAS REGISTERED ENGINEERING FIRM F-13
10/28/2020 9:33:49 AM \\AUST1.AUS.APA\SHARE\PROJECTS\3018\002-01\2-0 WRK PROD\2-9 GIS\20201005_ADJACENT LANDOWNER MAP FOR COMMENTS.MXD ALEWIS

Abesha Michael

From: Brian Sierant
Sent: Wednesday, October 28, 2020 4:14 PM
To: Abesha Michael
Cc: Travis Timm
Subject: RE: Application to Renew Registration No. 711013, Comal Ag Operations, LLC and Santa Rita Land & Cattle Holdings, Ltd.

Ok. Thanks. One thing, when drafting this notice, can you include "has applied for a renewal of...." since this one is different than a typical notice for new domestic septage registrations?

Thanks.

From: Abesha Michael <Abesha.Michael@tceq.texas.gov>
Sent: Wednesday, October 28, 2020 2:44 PM
To: Brian Sierant <brian.sierant@tceq.texas.gov>
Subject: RE: Application to Renew Registration No. 711013, Comal Ag Operations, LLC and Santa Rita Land & Cattle Holdings, Ltd.

Good Afternoon,

I am working from home today and the application is in my office. When I go to office tomorrow I will check. As per the email it I sent it looks correct and if we need additional information I will contact you.

Thank you,

Abesha Michael

From: Brian Sierant <brian.sierant@tceq.texas.gov>
Sent: Wednesday, October 28, 2020 2:26 PM
To: Travis Timm <Travis.Timm@tceq.texas.gov>; Abesha Michael <Abesha.Michael@tceq.texas.gov>
Cc: Gregg Easley <gregg.easley@tceq.texas.gov>
Subject: RE: Application to Renew Registration No. 711013, Comal Ag Operations, LLC and Santa Rita Land & Cattle Holdings, Ltd.

Good afternoon Abesha, I was wondering if you had the chance to review the information in the email below that was sent this morning. Could you let me know the status of this response, if it is acceptable and when the notice will be able to go down to CCO for mailout?

The secretary for the Guadalupe County Judge has emailed the San Antonio Regional Director (Joel Anderson) to check the status and I am working with him to provide a response.

Thanks,

Brian

From: Lewis, Ashley <alewis@plummer.com>
Sent: Wednesday, October 28, 2020 9:53 AM
To: Abesha Michael <Abesha.Michael@tceq.texas.gov>
Cc: Pasch, Chris <cpasch@plummer.com>; Brian Sierant <brian.sierant@tceq.texas.gov>; Travis Timm <Travis.Timm@tceq.texas.gov>

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P: 512.452.5905

D: 512.687.2154

alewis@plummer.com

www.plummer.com

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Sent: Friday, October 23, 2020 10:47 AM

To: Pasch, Chris <cpasch@plummer.com>

Cc: Brian Sierant <brian.sierant@tceq.texas.gov>; Travis Timm <Travis.Timm@tceq.texas.gov>

Subject: Application to Renew Registration No. 711013, Comal Ag Operations, LLC and Santa Rita Land & Cattle Holdings, Ltd.

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Abesha H. Michael
Applications Review & Processing Team
Water Quality Division Support Section
Water Quality Division, MC 148
PO Box 13087
Austin, Texas 78711
Phone: o: 512-239-4912; c: 346-802-8446
Email: abesha.michael@tceq.texas.gov

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

**GREEN VALLEY SPECIAL UTILITY DISTRICT
CLEARWATER WASTEWATER PERMIT APPLICATION
AFFECTED LANDOWNER INFORMATION**

Map ID	Landowner Name and Address
1	WINKLEMAN LIVING TRUST 15391 BEXAR BOWLING MARION 78124
2	SA KOSTA BROWNE LTD & FAIR OAKS MOSAIC 6812 WEST AVE STE 100 SAN ANTONIO 78213-1855
3	ZUNKER JEFFERY A 3812 BROUGHTON SCHERTZ 78154-2908
4	SCHEEL GERALDINE Z 8006 STURDY OAKS TRL LIVE OAK 78233-2423
5	MAPLES PAULA L 4280 STAPPER RD UNIT 3 SAINT HEDWIG 78152-8288
6	ELLIOTT MICHAEL W & SUTTON CAROLYN & DUNCAN HAZEL J 4060 STAPPER RD SAINT HEDWIG 78152-9732
7	WILKS PATRICK WARREN & ALICIA JOY 3418 RIDGE ASH SAN ANTONIO 78247-4505
8	KOSUB PAUL JOSEPH & MARTHA WIEGAND KOSUB 3740 STAPPER RD SAINT HEDWIG 78152-9730
9	KOSUB MARTHA 3740 STAPPER RD SAINT HEDWIG 78152-9730

Travis Timm

From: Travis Timm
Sent: Monday, October 19, 2020 5:10 PM
To: Abesha Michael
Subject: FW: Notice for Comal Ag (Renewal Registration 711013)

Importance: High

Good afternoon Abesha,

Next time you are in the office please retrieve this file from my desk and prep a NORI packet as if it was a new application. The landowner info is with the file.

Once you submit the packet you can give the file back to Brian.

Thanks!

Travis

From: Brian Sierant <brian.sierant@tceq.texas.gov>
Sent: Monday, October 19, 2020 4:45 PM
To: Travis Timm <Travis.Timm@tceq.texas.gov>; Deirdre Shepphard <deirdre.shepphard@tceq.texas.gov>
Cc: Gregg Easley <gregg.easley@tceq.texas.gov>; Charles Schneider <charles.schneider@tceq.texas.gov>; Abesha Michael <Abesha.Michael@tceq.texas.gov>
Subject: Notice for Comal Ag (Renewal Registration 711013)

Hi Travis,

We received the requested information from Comal Ag, pending Domestic Septage Registration 711013. This is the one that we agreed to mail out a notice (as per the ED and Senator Campbell) even though it is currently in tech review and is a renewal.

I put the file in your office to assign. Just so you know, Abesha did the Admin Review of this application. When she is done with sending the notice information down to CCO, can you please have her place the file in my cube?

The Senator's office has checked the status with us and we mentioned that we would proceed with processing the notice as soon as possible when we get it.

Please let me know if I can be of assistance.

Thanks,

Brian Sierant, Biosolids Work Leader
brian.sierant@tceq.texas.gov
Texas Commission on Environmental Quality
Water Quality Division

Land Application Team (MC 150)
P.O. Box 13087
Austin, Texas 78711-3087
Ph: 512-239-1375





PLUMMER

3018-002-01

October 14, 2020

Texas Commission on Environmental Quality
Applications Review and Processing Team (MC 145)
P.O. Box 13087
Austin, Texas 78711-3087

Re: Response to Landowner List Request Letter – Application to Renew Registration No. 711013
Santa Rita Land and Cattle Holdings Ltd., Comal Ag Operations LLC (CN604876029, CN604870972)
Comal Ag Operations (RN108531716)

To Whom It May Concern:

On behalf of Santa Rita Land and Cattle Holdings, Ltd., Plummer provides the attached enclosures in response to the letter from David Galindo dated September 21, 2020 (enclosed), regarding the application to renew the above-referenced Land Application Registration.

Enclosed are a landowners map, a crossed-referenced landowner list including the County Judge, a CD-RW including the landowner list and completed label template, and the original letter dated September 21, 2020.

We appreciate your work reviewing the pending application. If you have any additional questions or comments on the application or our responses provided above, please do not hesitate to contact me directly at cpasch@plummer.com or (512) 687-2162.

Respectfully yours,

PLUMMER
TBPE Firm Registration No. F-13

Chris Pasch
Water Quality/Permitting Team Leader

Enclosures (4)

cc: David Galindo, TCEQ Water Quality Division Director
Brian Sierant, TCEQ Biosolids Team
Brandt Klutts, Santa Rita Land and Cattle Holding, Ltd.
Clayton Klutts, Santa Rita Land and Cattle Holding, Ltd.

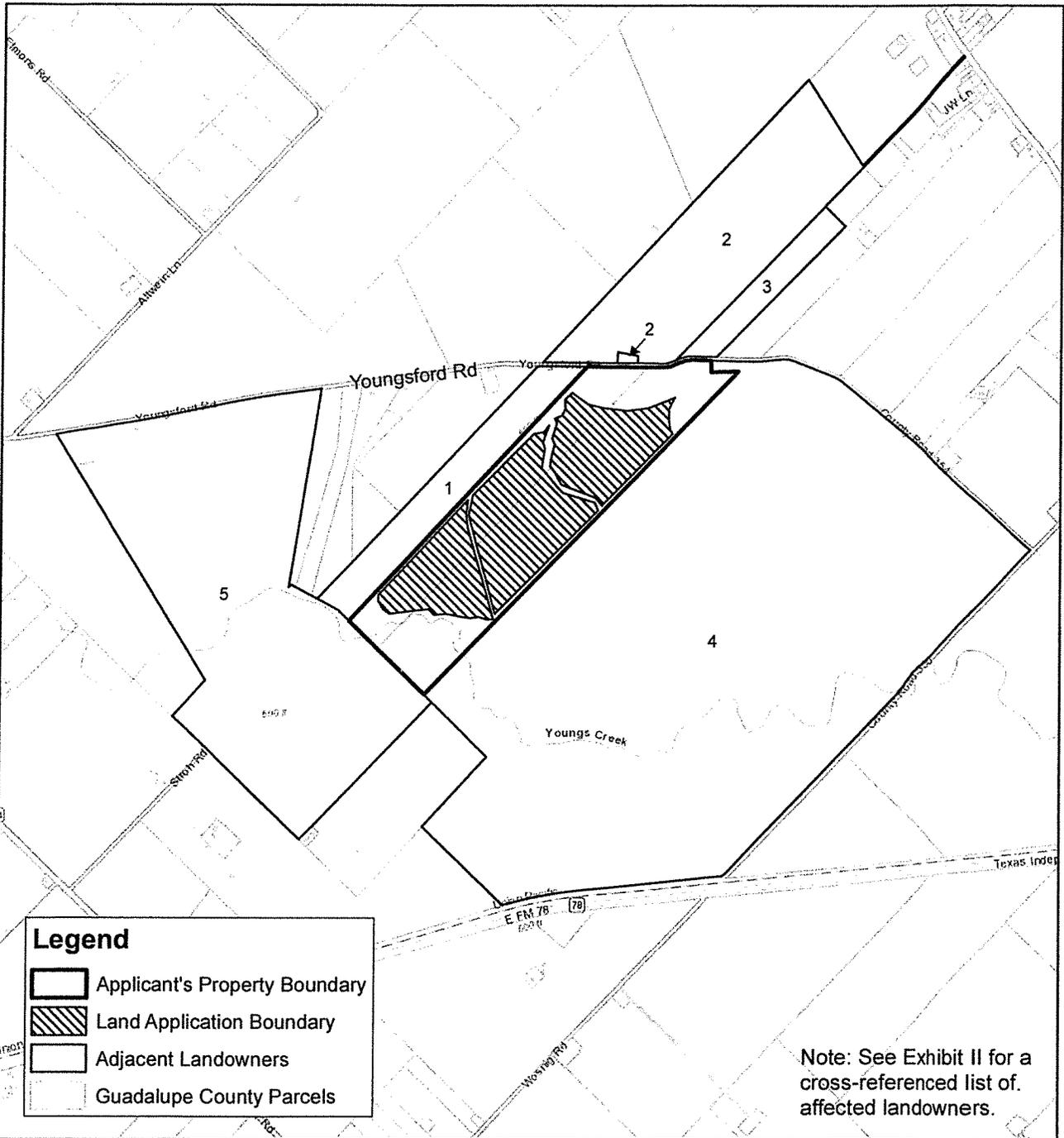
RECEIVED

OCT 16 2020

Water Quality Applications Team



PLUMMER



TEXAS REGISTERED ENGINEERING FIRM F-13
10/13/2020 3:36:48 PM \\AUS1.AUS.APAI\SHARE\PROJECTS\3018\002-01\2-0 WRK PROD\2--9 GIS\20201005_ADJACENT_LANDOWNER_MAP_FOR_COMMENTS.MXD JENGLISH

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AND COMAL AG OPERATIONS, LLC.
ADJACENT LANDOWNER MAP

RECEIVED

OCT 16 2020

City of Austin, Texas
Water Quality Department

EXHIBIT II

SANTA RITA LAND AND CATTLE HOLDINGS, LTD., AND COMAL AG OPERATIONS, LLC.

County Judge Name and Address Request:

Kyle Kutscher, Guadalupe County Judge 101 East Court Street Seguin, Texas 78155

Neighbor Request Map Key:

1. JUSTIN & EMILY KELLEY
1141 N LOOP 1604 E #105-123
SAN ANTONIO, TX 78232

2. JUDY MARIE WILLIAMS ALTENHOF
1332 YOUNGSFORD ROAD
NEW BRAUNFELS, TX 78130

3. AT HOLDING-GRIMM LLC (TITLEHOLDER FOR GEORGE & SHERRY GRIMM)
516 N AUSTIN ST
SEGUIN, TX 78155

4. MCQ FARM & RANCH LLC
1205 RIVER BEND DR
HOUSTON, TX 77063

5. SHIRLEY ALTENHOF GERMANN
555 GIN SPUR
SEGUIN, TX 78155

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OCT 16 2020

Water Quality Application Team

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 21, 2020

Mr. Brandt Klutts
Santa Rita Land and Cattle Holdings, Ltd.
P.O. Box 483
Boerne, Texas 78006

Dear Mr. Klutts:

The TCEQ has received a request from State Senator Donna Campbell (see attached letter) to allow public comment on the renewal application for Domestic Septage Registration No. 711013. In response to this request, we have decided to open a 30-day public comment period during the technical review of this application (see attached TCEQ response). **Therefore, please provide the following information to the TCEQ Land Application Team no later than October 5, 2020.**

1. Landowner map or drawing, with scale, that displays the following, as applicable:
 - applicant's property boundaries;
 - land application unit boundaries within the applicant's property boundaries;
 - property boundaries of all contiguous property owned or under the control of the applicant and the landowners;
 - property boundaries of all landowners bordering the applicant's property (i.e., all sharing a property line or separated by only a road, railway, river, etc.).
2. Landowner list containing the names and mailing addresses of each adjacent landowner identified on the landowner map. This information can be obtained from the county tax office, local school or water district, an abstract company, etc. The list must be cross-referenced to the landowner map. Please also include the name and mailing address of the Guadalupe County Judge. The landowner list must be submitted either on four (4) sets of pre-printed mailing labels or on a read/writeable compact disc (CD). An example landowner list and map is attached.

Please submit the requested information to the following:

Brian Sierant, Biosolids Work Leader
Texas Commission on Environmental Quality
Water Quality Division
Land Application Team (MC 150)
P.O. Box 13087
Austin, Texas 78711-3087

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OCT 16 2020

Water Quality Application Team

Mr. Brandt Klutts
Santa Rita Land and Cattle Holdings, Ltd
Page 2
September 21, 2020

With the information provided, the TCEQ will develop a public notice that will be sent to adjacent landowners and the Guadalupe County Judge. This notice will have the name and contact information for the applicant provided.

If you have any questions or need further assistance, please contact Mr. Brian Sierant at (512) 239-1375 or by email at brian.sierant@tceq.texas.gov.

Sincerely,



David W. Galindo, Director
Water Quality Division
Texas Commission on Environmental Quality

DWG/BS/sea

Attachments

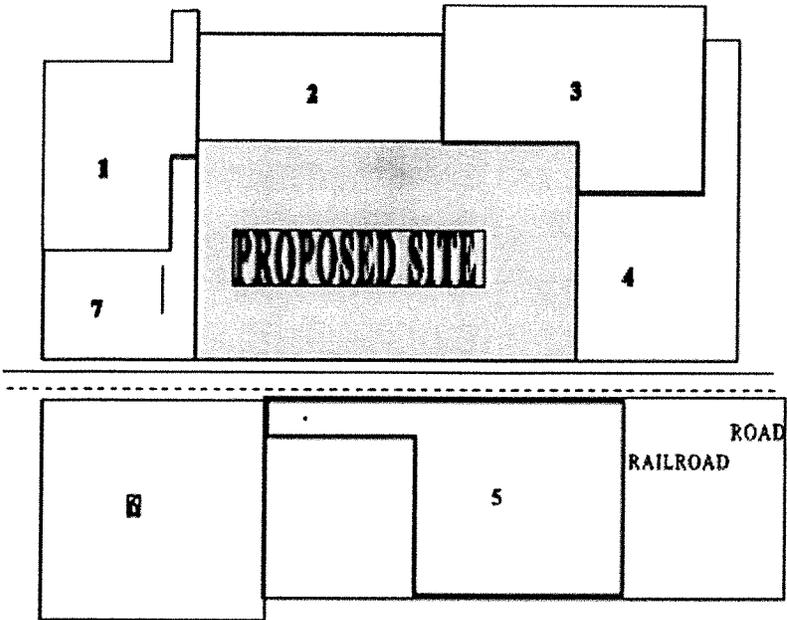
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OCT 16 2020

Water Quality Applications Team

bcc: Joel Anderson, Director, TCEQ Region 13

The following is an example of a Landowner Map and Landowner List:



Map #	Landowner	Map #	Landowner
1	MR & MRS EDWARD SMITH 1405 KELLY LANE HENDERSON TX 75653	5	MR JOHN DOE 223 W 1ST STREET ROBINSON TX 76706
2	MR & MRS CLARK JOHNSON 123 FM 620 ROBINSON TX 76706	6	MS. SUZIE BROWN PO BOX 345 WACO TX 76710
3	MRS SHELLY BROWN 569 FM 183 WACO TX 76710	7	MS. MARGARET CHURCH 298 FM 620 ROBINSON TX 76706
4	MR BOB JONES 485 FM 620 ROBINSON TX 76706		

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Water Quality Applications Team

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 21, 2020

Mr. Brandt Klutts
Santa Rita Land and Cattle Holdings, Ltd.
P.O. Box 483
Boerne, Texas 78006

Dear Mr. Klutts:

The TCEQ has received a request from State Senator Donna Campbell (see attached letter) to allow public comment on the renewal application for Domestic Septage Registration No. 711013. In response to this request, we have decided to open a 30-day public comment period during the technical review of this application (see attached TCEQ response). **Therefore, please provide the following information to the TCEQ Land Application Team no later than October 5, 2020.**

1. Landowner map or drawing, with scale, that displays the following, as applicable:
 - applicant's property boundaries;
 - land application unit boundaries within the applicant's property boundaries;
 - property boundaries of all contiguous property owned or under the control of the applicant and the landowners;
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Please submit the requested information to the following:

Brian Sierant, Biosolids Work Leader
Texas Commission on Environmental Quality
Water Quality Division
Land Application Team (MC 150)
P.O. Box 13087
Austin, Texas 78711-3087

bcc: Joel Anderson, Director, TCEQ Region 13

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 16, 2020

The Honorable Donna Campbell, M.D.
Texas Senate
P.O. Box 12068
Austin, Texas 78711-2068

Re: Comal Ag Registration Renewal

Dear Senator Campbell:

Thank you for your interest in the Comal Ag sludge registration renewal application. A comment period is not typically required for a sludge registration renewal application unless the renewal includes a major amendment request. However, I have asked the Water Quality Division to request Comal Ag to submit an adjacent landowner list and map for its renewal application. Once we receive this information, we will prepare a public notice that will be mailed to adjacent landowners and the County Judge for Guadalupe County. The mailing of this notice will open a 30-day comment period during which any member of the public may submit comments to the TCEQ on the renewal application. After the close of the comment period we will consider all comments received as we continue to review this application.

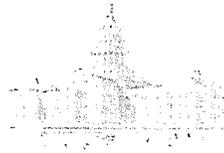
If you have any questions about the renewal application, please contact me at (512) 239-3900, or David Galindo, Director of the Water Quality Division, at (512) 239-0951.

Sincerely,

A handwritten signature in black ink that reads "Toby Baker".

Toby Baker
Executive Director

47146



DONNA CAMPBELL, M.D.
TEXAS STATE SENATOR
DISTRICT 25

September 4, 2020

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

Dear Director Baker,

As always, thank you for all you do to protect the air, land, and water of our beloved Texas. We appreciate your advocacy to keep Texans safe.

In order to insure open communication and public access to information, I am voicing the concerns of my neighbors in Guadalupe County by requesting that the TCEQ open a comment period for the renewal of the Comal Ag Operations Septage Disposal Permit. This permit has been of concern for several years and numerous violations have been cited. As you know, I support increasing the transparency of government whenever possible. In my opinion more information and public commentary would certainly be well worth your consideration prior to a decision on this permit's renewal.

I appreciate you taking the time to read and consider my request. Please feel free to contact my office if you have any questions.

Sincerely,

Senator Donna Campbell
State Senator District 25
cc: Guadalupe County Commissioner Greg Seidenberger
DC/kf

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SEP 08 2020
EXECUTIVE OFFICE

Texas Commission on Environmental Quality
INTEROFFICE MEMORANDUM

To: Lynn Bumguardner, Section Manager **Date:** July 2, 2020
Region 13, Water Section

From: Brian Sierant, Biosolids Work Leader
Land Application Team, Water Quality Division

Subject: Request for Site Assessment for Comal Ag Operations, LLC
Domestic Septage Land Application, Renewal Registration No. 711013

A site assessment is being requested for the above referenced site will be located in Guadalupe County in Region 13. The following information to assist the site assessor is provided:

Registration Number: 711013

Applicant: Comal Ag Operations, LLC, P. O. Box 483, Boerne, Texas 78006

Contact Person: Mr. Brandt Klutts, Comal Ag Operations, LLC, (830) 305-4623;
tesoro@gvtc.com

Location of Site: The proposed beneficial land use site will be located on Youngsford Road, approximately 6,000 feet west-northwest of the intersection of Youngsford Road and Short Cut Road, in Guadalupe County, Texas 78130.

Size of Site: 161.37 acres

Size of Application Area: 95.4 acres

Landowner: Santa Rita Land & Cattle Holdings, LTD

Type of Biosolids: Domestic Septage

Additional Requests: Please examine all appropriate buffer zones, including the 750 ft buffer from a neighboring residence and an exclusion of an area that is >8% slope. Also, please notify the registrant that any processing/initial treatment of raw domestic septage is not authorized under the registration and/or the Chapter 312 rules and that a Municipal Solid Waste authorization would be required.

If you have any questions, please call Brian Sierant at 512-239-1375.



PLUMMER

3018-002-01

June 1, 2020

Abesha Michaels
Applications Review & Processing Team
Wastewater Permitting Section (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

Re: Santa Rita Land & Cattle Holdings, Ltd. (CN604876029) and Comal Ag Operations LLC (CN604870972)
Comal Ag Operations (RN108531716), Application to Renew Registration No. 711013

Dear Ms. Michaels,

On behalf of Santa Rita Land & Cattle Holdings, Ltd. and Comal Ag Operations LLC, Plummer provides a response to your letter sent via email on May 19, 2020, which transmitted the Notice of Deficiency for the above referenced permit. The responses are provided in the order presented in your letter. A copy of the letter is provided as Enclosure A.

1. Core Data Form, Section III, Item 22 (page 1) and Administrative Report, Section 7.A (page 5). The correct name of the site is Comal Ag Operations. A revised Core Data Form and page 5 of the Administrative Report can be found in Enclosure B and Enclosure C, respectively.
2. Core Data Form, Section V, Item 46 (page 2). The Core Data Form with an original signature is provided in Enclosure B.
3. Administrative Report, Applicant Signature Page (page 9). An original signed and notarized applicant and co-applicant signature is provided in Enclosure D.

Please replace the existing pages from the pending application with the updated pages provided in this submittal. Thank you for your attention to this matter. If you have any questions regarding this submittal, feel free to contact me at cpasch@plummer.com or at (512) 687-2162.

Sincerely,

PLUMMER
TBPE Firm Registration No. F-13

Chris Pasch
Team Leader – Water Quality/Permitting

Enclosure (4)

cc: Brandt Klutts

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ENCLOSURE A
May 19, 2020 Notice of Deficiency Letter

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Water Quality Applications Team

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 19, 2020

CERTIFIED MAIL

Mr. Brandt Klutts
Santa Rita Land and Cattle Holdings, Ltd.
P.O. Box 483
Boerne, Texas 78006

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JUN 08 2020
Water Quality Applications Team

Re: Application to Renew Registration No. 711013
Issued to Santa Rita Land and Cattle Holdings, Ltd. and Comal Ag
Operations LLC
CN604876029, CN604870972, RN 108531716

Dear Mr. Klutts:

We have received the application for the above referenced registration and it is currently under review. Your attention to the following items is requested before we can declare the application administratively complete. Please submit one original and two copies (including a cover letter) of the complete response.

1. Section III, item 22 on page 1 of the Core Data Form (CDF) and Section 7, item B on page 5 of the application: However, TCEQ records indicate the name of the project or site is Comal LG Operations. Please confirm you are wanting to change the name of the facility from the Comal LG Operations to Santa Rita and Comal Ag Application Site, if not please submit revised page 1 of the CDF and page 5 of the application.
2. Section V, Item 46 on Page 2 of Core Data Form (CDF): The CDF is not signed. Please provide a revised page 2 signed by Mr. Brandt Klutts with original signature.
3. The signature page, page 9, of the Application: The applicant & co-applicant signature page is not completed, signed and notarized. Please submit a completed signature page bearing the notarized signature of a principal executive officer. The notary is required to witness the signature and complete all notary information. The signature dates should correspond and has to be original.

Mr. Brandt Klutts
Page 2
May 19, 2020
Registration No. 711013

Please submit the complete response, addressed to my attention by June 19, 2020. If the requested information is not received by the given deadline, pursuant to 30 TAC Chapter 281, the application may be removed from our list of pending applications. If you should have any questions, please do not hesitate to call me at (512) 239-4912.

Sincerely,

Abesha H. Michael
Applications Review and Processing Team (MC 148)
Water Quality Division
Texas Commission of Environmental Quality

cc: Mr. Chris Pasch, Plummer Associates, Inc., 6300 La Calma Drive, Suite
400, Austin, Texas 78752

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bcc: TCEQ Region 13, Water Program Manager

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ENCLOSURE B
Core Data Form

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Water Quality Applications Team



TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of 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 type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 604876029		RN 108531716

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Santa Rita Land & Cattle Holding, Ltd.			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
801857103	32052076869	46-3774261	N/A
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input checked="" type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <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 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 checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	P.O. Box 483		
	City	Boerne	State TX ZIP 78006 ZIP + 4 0483
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
N/A		tesoro@gvtc.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(830) 305-4623		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected below this form should be accompanied by a permit application)	
<input type="checkbox"/> New Regulated Entity <input checked="" type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC.)	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Comal Ag Operations	

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Water Quality Applications Team

23. Street Address of the Regulated Entity: (No PO Boxes)	N/A						
	City	N/A	State		ZIP		ZIP + 4
24. County	Guadalupe						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	South of Youngsford Road approximately 6,000 feet west-northwest of the intersection of Youngsford Road and Short Cut Road.									
26. Nearest City	McQueeny				State	TX		Nearest ZIP Code	78130	
27. Latitude (N) In Decimal:	29.6026			28. Longitude (W) In Decimal:	98.0772					
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds					
29. Primary SIC Code (4 digits)	4953		30. Secondary SIC Code (4 digits)			31. Primary NAICS Code (5 or 6 digits)	221320			
32. Secondary NAICS Code (5 or 6 digits)										
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.) Accepting and applying domestic septage biosolids for beneficial reuse										
34. Mailing Address:	P.O. Box 483									
	City	Boerne	State	TX	ZIP	78006	ZIP + 4	483		
35. E-Mail Address:	tesoro@gvtc.com									
36. Telephone Number	(830) 305-4623			37. Extension or Code			38. Fax Number (if applicable)	() -		

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.

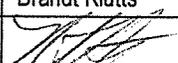
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input checked="" type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
711013				
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Jenni English			41. Title:	Engineer in Training	
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address			
(512) 687-2193		(512) 452-2325	jenglish@plummer.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:	Santa Rita Land & Cattle Holdings, Ltd.	Job Title:	Manager		
Name (In Print):	Brandt Klutts	Phone:	(830) 305-4623		
Signature:		Date:	5/28/2020		

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Water Quality Applications Team

ENCLOSURE C
Administrative Report
Regulated Entity (Site) Information

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Water Quality Applications Team

SECTION 7. REGULATED ENTITY (SITE) INFORMATION

A. Site Name: Comal Ag Operations

B. If this is an existing permitted site, provide the Regulated Entity Number (RN) issued to this site? RN 108531716

C. Owner of the beneficial land use area (Attach an additional sheet if more than one landowner).

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

First and Last Name: Santa Rita Land and Cattle Holdings, Ltd.

Organization Name: Santa Rita Land and Cattle Holdings, Ltd.

Mailing Address: P.O. Box 483

City, State, and Zip Code: Boerne, TX 78006

Phone Number: (830) 305-4623

D. Property Acreage

Total acreage listed in legal description, including the application area and buffer zones: 161.37

E. Application Area Acreage

Total acreage where septage may be applied, excluding the buffer zones:
95.4

F. Application Site Jurisdiction

Complete ONE of the following statements:

The application site is within the city limits of

The application site is within the extraterritorial jurisdiction of New Braunfels

The application site is outside the extraterritorial jurisdiction of

G. Describe the source of the septage i.e., residences, mobile homes, etc.
Residences

SECTION 8. MISCELLANEOUS INFORMATION

A. Did any person who was formally employed by the TCEQ represent your company and get paid for services regarding this application? Yes No

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

B. Is the site located on Indian Lands?

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ENCLOSURE D
Administrative Report
Applicant Signature Page

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JUN 08 2020
Water Quality Applications Team

APPLICANT SIGNATURE PAGE

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

Registration Number: 711013

Applicant: Santa Rita Land and Cattle Holdings, Ltd.

I understand that I am responsible for operating the site described in the legal description in accordance with the Texas Commission on Environmental Quality(TCEQ) requirements in 30 TAC Chapter 312, the conditions set forth in this application, and any additional conditions as required by the TCEQ.

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.

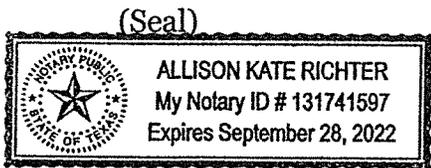
Signatory Name: Brandt Klutts

Title: Owner

Signature (use blue ink):  Date: 5/21/2020

SUBSCRIBED AND SWORN to before me by the said Brandt Klutts on this 21 day of May, 2020

My commission expires on the 28th day of September, 2022
Allison Richter



Notary Public
Rendall, Texas
County, Texas

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JUN 08 2020

Water Quality Applications Year

APPLICANT SIGNATURE PAGE

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

Registration Number: 711013

Applicant: Comal Ag Operations, LLC

I understand that I am responsible for operating the site described in the legal description in accordance with the Texas Commission on Environmental Quality(TCEQ) requirements in 30 TAC Chapter 312, the conditions set forth in this application, and any additional conditions as required by the TCEQ.

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.

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Signatory Name: Brandt Klutts

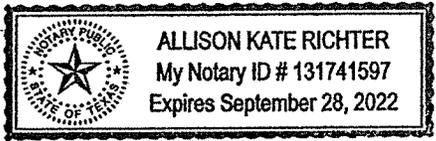
Title: Owner

Signature (use blue ink): [Signature] Date: 5/21/2020

SUBSCRIBED AND SWORN to before me by the said Brandt Klutts on this 21 day of May, 2020

My commission expires on the 28 day of September, 2022
[Signature]

(Seal)



Notary Public
Kendall, Texas

County, Texas

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JUN 08 2020

**ADMINISTRATIVE REVIEW CHECKLIST:
Application to Register a Site for the Beneficial Use of Domestic Septage (71XXXX)**

REGISTRATION# 711013	EXPIRATION DATE	APP RCVD DATE: 04/16/20
CN(s) 604876 029 604870 972	RN 108531718	COUNTY/REGION: GUADALUPE

TYPE OF APPLICATION:

Administrative Review Start Date 05/19/20

- Coastal Zone Determination Sheet is included - NO -
- Pre-technical reviews have been completed.
- Confirmed applicant is not delinquent in fees or penalties.
- Confirm that the registration has not expired.
- The type of application is indicated and provided.
- New Site** (never permitted) **New Site - Re-issuance** (expired/canceled registration)
- Major Amendment** **Renewal** (existing registration is still active)
- For major and minor amendments - the proposed changes are indicated

NOTE: THERE IS NO APPLICATION FEE.

ENTITY APPLYING FOR REGISTRATION (SITE OPERATOR):

APPLICANT INFORMATION – CORE DATA FORM

Operator

- Legal name of entity is provided.
- Core Data Form is provided.
- Legal name of entity is provided.
- Section I - General Information
- Reason for submittal is marked.
- Customer (CN) and Regulated Entity (RN) Reference Nos. provided - verify with Central Registry

Section II - Customer Information

- Customer legal name is provided and it matches name on admin report
- Texas SOS/Filing number is provided - verify with SOS
- Texas State Tax ID is provided - verify with Texas Comptroller
- Type of customer is marked - refer to information below

- Corporation: Check with Secretary of State (SOS) at: <https://direct.sos.state.tx.us/acct/acct-login.asp> to verify the entity status and charter number. Print the page showing correct legal spelling of applicant's name. Check spelling with SOS against the way name is submitted in Item 1. (Authorization must be issued in name as filed with SOS.) The applicant must be "In existence" before the application can be processed further. CDF
- Those entities subject to state franchise taxes: If applicable, check with Comptroller website at: <http://ecpa.cpa.state.tx.us/coa/coaStart.html> to verify the tax identification number. Print document from Comptroller's internet site. **Core Data Form**
- Individual: Individual information is found in **Attachment 1**. Info must be completed for each individual operator including the full legal name (including middle name), home address, driver's license number

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 19, 2020

CERTIFIED MAIL

Mr. Brandt Klutts
Santa Rita Land and Cattle Holdings, Ltd.
P.O. Box 483
Boerne, Texas 78006

Re: Application to Renew Registration No. 711013
Issued to Santa Rita Land and Cattle Holdings, Ltd. and Comal Ag
Operations LLC
CN604876029, CN604870972, RN 108531716

Dear Mr. Klutts:

We have received the application for the above referenced registration and it is currently under review. Your attention to the following items is requested before we can declare the application administratively complete. Please submit one original and two copies (including a cover letter) of the complete response.

1. Section III, item 22 on page 1 of the Core Data Form (CDF) and Section 7, item B on page 5 of the application: However, TCEQ records indicate the name of the project or site is Comal LG Operations. Please confirm you are wanting to change the name of the facility from the Comal LG Operations to Santa Rita and Comal Ag Application Site, if not please submit revised page 1 of the CDF and page 5 of the application.
2. Section V, Item 46 on Page 2 of Core Data Form (CDF): The CDF is not signed. Please provide a revised page 2 signed by Mr. Brandt Klutts with original signature.
3. The signature page, page 9, of the Application: The applicant & co-applicant signature page is not completed, signed and notarized. Please submit a completed signature page bearing the notarized signature of a principal executive officer. The notary is required to witness the signature and complete all notary information. The signature dates should correspond and has to be original.

Mr. Brandt Klutts
Page 2
May 19, 2020
Registration No. 711013

Please submit the complete response, addressed to my attention by June 19, 2020. If the requested information is not received by the given deadline, pursuant to 30 TAC Chapter 281, the application may be removed from our list of pending applications. If you should have any questions, please do not hesitate to call me at (512) 239-4912.

Sincerely,

Abesha H. Michael
Applications Review and Processing Team (MC 148)
Water Quality Division
Texas Commission of Environmental Quality

cc: Mr. Chris Pasch, Plummer Associates, Inc., 6300 La Calma Drive, Suite
400, Austin, Texas 78752

bcc: TCEQ Region 13, Water Program Manager

and [] date of birth. as required by Chapter 26.027c of the Texas Water Code. Note: individual info is not required in regard to an individual who is just a landowner and not an operator.

Also, this page is confidential. Make a copy of this page. Mark the original page as confidential; print the registration number on the top of the page; and give the page to the application coordinator. Black out the date of birth and identification number on the copied page and put back with the application documents.

- [] Utility District: Check with IWDD to verify that district is not dissolved (inactive is O.K. to process). NOTE: Must be a non-dissolved district order to apply for a permit in the name of the district.
- [] Trust: A copy of an executed trust agreement is provided by the applicant. Verify that applicant's name is the same as the name in the trust agreement. NOTE: Executed trust must show signatures of trustees or beneficiaries forming the trust and which county it is recorded in.
- [] Partnership: Verify with Secretary of State (SOS) that partnership is registered, active, and has a charter number. Check spelling with SOS against the name submitted in Item 1. Print page from SOS website. OR if the partnership is not listed with the SOS, a copy of the partnership agreement is provided by the applicant. The agreement must give the name of the partnership as provided on the application for permit; give names of partners; bear signatures of the partners; state the terms of the partnership; and must be recorded in the county where the facility (plant) is located.
- [] Governmental Agencies, Cities, etc.: confirm the legal name of the agency when possible,
- Customer Role is marked.
- mailing address is provided and confirmed via USPS website
- Email address is provided
- phone number is provided **Core Data Form**

RE INFORMATION – CORE DATA FORM

- Regulated Entity Name is provided and it matches name on admin report
- Street address or location description of facility is adequately described. If different from current permit, new permit may be required. Use USPS website/GIS mapping to confirm street address
- The county where the facility is located is provided
- The name of the nearest city is provided
- The zip code is provided
- The longitude and latitude of the facility is provided - check mapit
- Primary SIC Code is provided
- Permit No. listed under appropriate programs- if not listed, add it

Section IV - Preparer Information

- Name, title, telephone number, and email address is provided

Section V - Authorized Signature

- Company name, title, printed name, phone number, signature, and date provided

CO-PERMITTEE INFORMATION

Co-permittee info is provided, if applicable:

- (X) Legal Name (X) valid mailing address (X) SOS Number, if applicable (X) Franchise Number, if applicable
- Individual Info, if applicable: (n/A) Legal Name (n/A) Driver's license No. (n/A) Date of Birth (n/A) valid mailing address

CONTACT INFORMATION

- Application contact info (name, address, phone number) is provided.
- Technical contact info (name, address, phone number) is provided. **This is not required.**
- At least one registration contact Info (name, address, phone number) is provided.
- Reporting contact Info (name, address, phone number) is provided.
- Billing contact info (name, address, phone number) is provided.

SITE INFORMATION

- Site name has been provided.
- Owner Info (name, mailing address, contact numbers) is provided.
- acreage of property is listed. 161.37 acres.
- Acreage of application area is listed. 95.4 acres. Note: For a renewal, the application acreage should not be greater than what is currently listed in the permit.
- The source of the seepage is listed.

MISCELLANEOUS INFORMATION

- Marked if former TCEQ employee was paid for services regarding this application
- Answered if site is located on Indian lands
- Answered if permanent school fund land is affected.

Attachments

- the ORIGINAL General Highway (County) Map Showing All of Boundaries of the Site Area
- the ORIGINAL USGS topo map showing (1) the boundaries of the site area (2) all areas within 1,000 feet of the site (3) the location of all the wells within 500 feet of the application area (4) the boundaries of the application area - including the buffer zones. Note: an 8 1/2 by 11" copy of the USGS map, showing the site area (not reduced from original map size) is acceptable for renewal and major amendment applications.
- a copy of a USDA Natural Resources Conservation Services (NRCS) soil map, marking the locations of the soil samples
- a copy of the FEMA map, showing the boundaries of the site area.

NOTICE INFORMATION – for New, Reissuance and Major Amendment Applications:

Note: Renewals are not public-noticed; Just prepare the blue sheets. Applications for new permits, re-issuances and major amendments are public-noticed, but the notice is sent to the county judge and mailed to the surrounding landowners by chief clerk's office; The notice is not published in a newspaper. A copy of the application and the notice is sent to the judge (the copy of the application is included, along with a letter to the judge, in the notice package we prepare for the chief clerk's office), but does not, otherwise, have to be placed in a public facility.

- n/A* Verify that the name, address, and telephone number of the person to be listed in the notice as the contact is provided. (not applicable to renewals)
- n/A* The County Judge's name, mailing address and phone number have been provided for mailing a copy of the application when administratively complete. (not applicable to renewals)

FOR NEW, Re-issuance, AND MAJOR AMENDMENT APPLICATONS:

LANDOWNER PROPERTY BOUNDARY MAP INCLUDES:

- n/A* the property boundaries of the land owned or under the control of the applicant
- n/A* the boundaries of the land application site within the applicant's property boundaries (note: If the land application area(s) isn't shown, look on the other maps to see if the application area(s) is shown. If it is shown on another map, then it is acceptable if the application area isn't shown on this map.
- n/A* the approximate boundaries of the landowners adjacent to the property owned or under the control of the applicant

Adjacent Landowner Information:

~~rs/A~~

Landowner list cross-referenced to the map is provided

~~rs/A~~

landowner labels in the correct format on 4 sets of labels or CD is provided.

~~rs/A~~

Source for landowner information is provided.

SIGNATORY REQUIREMENTS FOR APPLICATIONS:

The signature has been provided in accordance with the TCEQ signatory requirements as indicated below:

Operator	Landowner (if applicable)
<input type="checkbox"/>	<input type="checkbox"/> City: elected official or principal executive officer
<input type="checkbox"/>	<input type="checkbox"/> Individual: only the individual signs for himself/herself.
<input checked="" type="checkbox"/>	<input type="checkbox"/> Corporation: at least the level of vice president (CEO, Chairman of Board, Board Secretary)
<input type="checkbox"/>	<input type="checkbox"/> Utility District: at least level of vice president, (Board of Directors, District Manager)
<input type="checkbox"/>	<input type="checkbox"/> Water Authority: Regional managers.
<input type="checkbox"/>	<input type="checkbox"/> Independent School Districts: at least level of the Assistant Superintendent (or board members).
<input type="checkbox"/>	<input type="checkbox"/> Governmental Agencies: Directors of Divisions or Regional Directors.
<input type="checkbox"/>	<input type="checkbox"/> Partnership: General Partner or Vice-President
<input type="checkbox"/>	<input type="checkbox"/> Trust: The trustee that has been identified in the trust agreement.

When the Application is Administratively Complete:

- Complete the Blue Sheets (for all applications).
- For New, Re-issuance, and Major Amendment Applications, Complete the Public Notice documents and the Judge's Letter.

Per Rosalie Branham (on 9/5/08) the issued date should be left blank on the notice. The Chief Clerk's Office will enter the issued date.

Note: A copy of the application documents are part of the public notice package.

Use the electronic version of the TCEQ letterhead template for the Judge's letter. The date should be left blank. The chief clerk's office will enter the date.

- For New, Re-issuance, and Major Amendment Applications: The notice package consists of: (1) The contact sheet; (2) the landowner mailing list; (3) the four sets of labels (if not electronic) go on top of (4) the public notice documents; (5) The judge's letter goes on top of (6) **the copy of the application documents**. All of these documents are attached and will go into the Chief Clerk's notice bucket.
- For New, Re-issuance, and Major Amendment Applications: The public notice, Judge's letter and electronic labels should be copied to the I:drive in the appropriate folder under the Notice of Receipts Directory.
- For New, Re-issuance, and Major Amendment Applications: A copy of the notice and judge's letter should go in the file. Also, the contact sheet (along with the landowner mailing list) should be on the right side of the file. A manila envelope and the routing sheet (on top) should be on the left side of the file.
- Update Paris – Info in the Admin Review tab and contact information
- The file is put into the in-box of Brian Sierant.

Notes:

A CN is required for both the operator and the landowner (if different than the operator).

A transfer is not required if the owner of the site (the landowner) changes from the landowner listed in the current registration. A transfer is only needed if there is a change in operator.

Additional ID Detail	Map It	Copy Map It URL	
Additional ID Program:	SLUDGE	Legacy System (Code):	(WQ)
Additional ID:	711013	Status:	ACTIVE
Name:	COMAL AG OPERATIONS		ID Type: REG
Physical Address:	Not on file		
Description:	LOCATED APPROX 6000 FT WNW OF THE INTERX OF YOUNGSFORD RD AND SHORT CUT RD		
County:	GUADALUPE	Region:	REGION 13 - SAN ANTONIO
Nearest City:	MCQUEENEY	State:	TX
Latitude:	29° 36 min 9 sec (29.6026)	Longitude:	98° 4 min 38 sec (-98.0772)

0 Records

Industry Types			
Classification System	Code	Name	Primary Flag

1-1 of 1 Record

Site Classifications				
Program	Site Classification	Begin Date	End Date	CMS Min Freq Qty
SLUDGE	SEPTAGE SEWAGE SLUDGE	06/25/2015	12/31/3000	0

1-3 of 3 Records

Customers			List All
CN Number	Name ▲	Role	
CN604870972	COMAL AG OPERATIONS LLC	OPR	
CN604870972	COMAL AG OPERATIONS LLC	OWN	
CN604876029	SANTA RITA LAND & CATTLE HOLDINGS LTD	OWN	

1-3 of 3 Records

Issued To			
CN Number	Issued To Name	Start Date	View 'Issued To' History
CN604870972	COMAL AG OPERATIONS LLC	2015-06-30 00:00:00.0	View
CN604870972			View
CN604876029	SANTA RITA LAND & CATTLE HOLDINGS LTD	2015-06-30 00:00:00.0	View

Regulated Entity			
Reference Number:	RN108531716	Name:	COMAL AG OPERATIONS
Business Description:		Stand-Alone:	N

Location			
Address:	Not on file		
Description:	LOCATED APPROX 6000 FT WNW OF THE INTERX OF YOUNGSFORD RD AND SHORT CUT RD		
County:	GUADALUPE	Region:	REGION 13 - SAN ANTONIO
Nearest City:	MCQUEENEY	State:	TX
Latitude:	29° 36 min 9 sec (29.6026)	Longitude:	98° 4 min 38 sec (-98.0772)



Franchise Tax Account Status

As of : 06/16/2020 15:27:59

This page is valid for most business transactions but is not sufficient for filings with the Secretary of State

COMAL AG OPERATIONS, LLC

Texas Taxpayer Number 32057514773

Mailing Address 33 RANGER CREEK RD BOERNE, TX 78006-5623

? Right to Transact Business in
Texas ACTIVE

State of Formation TX

Effective SOS Registration Date 06/12/2015

Texas SOS File Number 0802234259

Registered Agent Name BRANDT KLUTTS

Registered Office Street Address 33 RANGER CREEK ROAD BOERNE, TX 78006

TEXAS SECRETARY of STATE
RUTH R. HUGHS

BUSINESS ORGANIZATIONS INQUIRY - VIEW ENTITY

Filing Number:	802234259	Entity Type:	Domestic Limited Liability Company (LLC)
Original Date of Filing:	June 12, 2015	Entity Status:	In existence
Formation Date:	N/A	FEIN:	
Tax ID:	32057514773		
Duration:	Perpetual		
Name:	Comal Ag Operations, LLC		
Address:	33 RANGER CREEK RD BOERNE, TX 78006 USA		

<u>REGISTERED AGENT</u>	<u>FILING HISTORY</u>	<u>NAMES</u>	<u>MANAGEMENT</u>	<u>ASSUMED NAMES</u>	<u>ASSOCIATED ENTITIES</u>
Name		Address			Inactive Date
BRANDT KLUTTS		33 RANGER CREEK ROAD Boerne, TX 78006 USA			

Order Return to Search

Instructions:

- To place an order for additional information about a filing press the 'Order' button.

TEXAS SECRETARY of STATE
RUTH R. HUGHS

BUSINESS ORGANIZATIONS INQUIRY - VIEW ENTITY

Filing Number:	801857103	Entity Type:	Domestic Limited Partnership (LP)
Original Date of Filing:	September 26, 2013	Entity Status:	In existence
Formation Date:	N/A	FEIN:	
Tax ID:	32052076869		
Duration:	Perpetual		
Name:	Santa Rita Land & Cattle Holdings, Ltd.		
Address:	1180 Breeze Way Boerne, TX 78006 USA		

<u>REGISTERED AGENT</u>	<u>FILING HISTORY</u>	<u>NAMES</u>	<u>MANAGEMENT</u>	<u>ASSUMED NAMES</u>	<u>ASSOCIATED ENTITIES</u>
Name		Address			Inactive Date
Brandt Klutts		1180 Breeze Way Boerne, TX 78006 USA			

Order Return to Search

Instructions:

- To place an order for additional information about a filing press the 'Order' button.



Franchise Tax Account Status

As of : 06/16/2020 15:26:14

This page is valid for most business transactions but is not sufficient for filings with the Secretary of State

SANTA RITA LAND & CATTLE HOLDINGS, LTD.

Texas Taxpayer Number 32052076869

Mailing Address PO BOX 483 BOERNE, TX 78006-0483

Ⓢ Right to Transact Business in
Texas ACTIVE

State of Formation TX

Effective SOS Registration Date 09/26/2013

Texas SOS File Number 0801857103

Registered Agent Name BRANDT KLUTTS

Registered Office Street Address 1180 BREEZE WAY BOERNE, TX 78006

[ZIP Code™ by Address \(/zip-code-lookup.htm?byaddress\)](https://www.usps.com/zip-code-lookup.htm?byaddress)
[ZIP Code™ by City and State \(/zip-code-lookup.htm?bycitystate\)](https://www.usps.com/zip-code-lookup.htm?bycitystate)
[Cities by ZIP Code™ \(/zip-code-lookup.htm?citybyzipcode\)](https://www.usps.com/zip-code-lookup.htm?citybyzipcode)
[ZIP Code™ Lookup \(/zip-code-lookup.htm\)](https://www.usps.com/zip-code-lookup.htm)
[FAQs \(/faq.htm\)](https://www.usps.com/zip-code-lookup.htm/faq.htm)

[FAQs \(/faq.htm\)](https://www.usps.com/zip-code-lookup.htm/faq.htm)

Look Up a ZIP Code™ FAQs

ZIP Code™ by Address

You entered:

PO BOX 483
BOERNE TX

If more than one address matches the information provided, try narrowing your search by entering a street address and, if applicable, a unit number. **Edit and search again.** ([zip-code-lookup.htm?byaddress](https://tools.usps.com/zip-code-lookup.htm?byaddress))

PO BOX 483
BOERNE TX 78006-0483

Permit and Billing

Feedback

Look Up Another ZIP Code™

Edit and Search Again (/zip-code-lookup.htm?byaddress)



TCEQ Core Data Form

TCEQ Use Only

For detailed instructions regarding completion of 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 type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 604876029		RN 108531716

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Santa Rita Land & Cattle Holding, Ltd.			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
801857103	32052076869	46-3774261	N/A
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input checked="" type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <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 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 checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	P.O. Box 483		
	City	Boerne	State TX ZIP 78006 ZIP + 4 0483
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
N/A		tesoro@gvvc.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(830) 305-4623		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input type="checkbox"/> New Regulated Entity <input checked="" type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC.)	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Santa Rita and Comal Ag Application Site	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	N/A						
	City	N/A	State		ZIP		ZIP + 4
24. County	Guadalupe						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	South of Youngsford Road approximately 6,000 feet west-northwest of the intersection of Youngsford Road and Short Cut Road.								
26. Nearest City	McQueeney				State	TX	Nearest ZIP Code	78130	
27. Latitude (N) In Decimal:	29.6026			28. Longitude (W) In Decimal:	98.0772				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				
29. Primary SIC Code (4 digits)	4953		30. Secondary SIC Code (4 digits)			31. Primary NAICS Code (5 or 6 digits)	221320	32. Secondary NAICS Code (5 or 6 digits)	
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>									
Accepting and applying domestic septage biosolids for beneficial reuse									
34. Mailing Address:	P.O. Box 483								
	City	Boerne	State	TX	ZIP	78006	ZIP + 4	483	
35. E-Mail Address:	tesoro@gvtc.com								
36. Telephone Number	(830) 305-4623		37. Extension or Code			38. Fax Number <i>(if applicable)</i>	() -		

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 checked="" type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
711013				
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Jenni English	41. Title:	Engineer in Training
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 687-2193		(512) 452-2325	jenglish@plummer.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:	Santa Rita Land & Cattle Holdings, Ltd.	Job Title:	Manager
Name <i>(In Print)</i> :	Brandt Klutts	Phone:	(830) 305-4623
Signature:		Date:	



TCEQ Core Data Form

TCEQ Use Only

For detailed instructions regarding completion of 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 type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 604870972		RN 108531716

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Comal Ag Operations, 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)
0802234259	32057514773	47-4305454	N/A
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input checked="" type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <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 checked="" type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	P.O. Box 483		
	City	Boerne	State TX ZIP 78006 ZIP + 4 0483
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
N/A		tesoro@gvvc.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(830) 305-4623		() -	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC.)	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Santa Rita and Comal Ag Application Site	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	N/A						
	City	N/A	State		ZIP		ZIP + 4
24. County	Guadalupe						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	South of Youngsford Road approximately 6,000 feet west-northwest of the intersection of Youngsford Road and Short Cut Road.								
26. Nearest City	McQueeney				State	TX	Nearest ZIP Code	78130	
27. Latitude (N) In Decimal:	29.6026			28. Longitude (W) In Decimal:	98.0772				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				
29. Primary SIC Code (4 digits)	4953		30. Secondary SIC Code (4 digits)			31. Primary NAICS Code (5 or 6 digits)	221320	32. Secondary NAICS Code (5 or 6 digits)	
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>									
Accepting and applying domestic septage biosolids for beneficial reuse									
34. Mailing Address:	P.O. Box 483								
	City	Boerne	State	TX	ZIP	78006	ZIP + 4	483	
35. E-Mail Address:									
36. Telephone Number			37. Extension or Code			38. Fax Number <i>(if applicable)</i>			
(830) 305-4623						() -			

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 checked="" type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
711013				
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Jenni English	41. Title:	Engineer in Training
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 687-2193		(512) 452-2325	jenglish@plummer.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:	Comal Ag Operations, LLC	Job Title:	Manager
Name <i>(In Print)</i> :	Brandt Klutts	Phone:	(830) 305-4623
Signature:		Date:	

SLUDGE PERMIT/REGISTRATION ROUTE SHEET

New _____

Major Amend _____

Minor Amend _____

Renewal X _____

Application Reviewer X Technical Reviewer _____

DATE APPLICATION RECEIVED 16 Apr 2020

PERMIT NUMBER 711013

PREVIEW BY GROUNDWATER _____ N/A X
4XXX and 5XXX : Sludge BLU, Class B
and disposal Facilities
(Excludes processing facilities)
All Apps

PREVIEW BY GROUNDWATER _____ N/A X
71XXX: Sludge Domestic Septage
Applies only to NEW & Major Amend Apps
73XXX: WTP Sludge, No review ever required

PRE-TECH REVIEW REQUIRED _____ N/A X
4XXX and 5XXX: All Apps
71XXX: Sludge Domestic Septage
Applies to NEW and Major Amend Apps
73XXX: WTP Sludge, No review ever required

COMMENTS ARE DUE TO APPLICATIONS TEAM BY CLOSING ON _____

PRE TECH REVIEW PERFORMED BY _____

THE ATTACHMENT SHOULD BE PROVIDED TO THE APPLICATIONS
TEAM AT THE END OF THE 5TH WORKING DAY



PLUMMER

3018-002-01

April 3, 2020

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

Re: Santa Rita Land & Cattle Holdings, Ltd. (CN604876029)
Santa Rita and Comal Ag Application Site (RN108531716)
Renewal of a Site Registration for the Beneficial Use of Domestic Septage (Permit No. 711013)

To Whom It May Concern:

On behalf of the Santa Rita Land & Cattle Holdings, Ltd., Plummer submits four copies of a renewal Site Registration for the Beneficial Use of Domestic Septage for the above-referenced permit. Due to the closures and contact restrictions caused by the COVID-19 Virus, this application is being submitted electronically to WQ-ARPTeam@tceq.texas.gov in accordance with TCEQ guidance. The physical applications are being mailed and should be received shortly.

Please feel free to contact me at cpasch@plummer.com, (512) 687-2162, if you have any questions regarding this submittal.

Sincerely,

PLUMMER
TBPE Firm Registration No. F-13

Chris Pasch
Water Quality/Permitting Team Leader

Enclosures (4)

cc: Brandt Klutts, Santa Rita Land & Cattle Holdings

RECEIVED
APR 16 2020
TCEQ
Water Quality/Permitting Team

SANTA RITA LAND AND CATTLE
HOLDINGS, LTD,
AND
COMAL AG OPERATIONS, LLC

SITE REGISTRATION FOR BENEFICIAL
USE OF DOMESTIC SEPTAGE

RENEWAL APPLICATION

SUBMITTED TO:

TEXAS COMMISSION
ON ENVIIRONMENTAL QUALITY

RECEIVED

APR 16 2020

STATE OF TEXAS
ENVIRONMENTAL QUALITY DEPARTMENT

APRIL 2020



PLUMMER

**SANTA RITA LAND AND CATTLE HOLDINGS, LTD, AND COMAL AG OPERATIONS, LLC
SITE REGISTRATION FOR BENEFICIAL USE OF DOMESTIC SEPTAGE
RENEWAL APPLICATION**

TABLE OF CONTENTS

- I. ADMINISTRATIVE REPORT**
- II. TECHNICAL REPORT**
- III. APPENDICES**
 - Appendix A - Septage Application Rate
 - Appendix B - Soil Testing Information
 - Appendix C - On-Site Storage

IV. ATTACHMENTS

<u>No.</u>	<u>Description</u>	<u>Reference</u>
A.1	Core Data Form, Landowner	Admin Rpt, Section 9.A
A.2	Core Data Form, Site Operator	Admin Rpt, Section 9.A
B	General Highway (County) Map	Admin Rpt, Section 9.B
C	USGS Map	Admin Rpt, Section 9.C; Appendix C
D.1	USDA NRCS Soil Map	Admin Rpt, Section 9.D
D.2	Soil Sampling Locations	Admin Rpt, Section 9.D; Appendix B
E	FEMA Map	Admin Rpt, Section 9.E
F	Results of Soils Analyses	Appendix B
G	On-Site Storage Information	Appendix C, Item A & Items D-F

[Faint, illegible text]

**APPLICATION TO REGISTER A SITE FOR
THE BENEFICIAL
USE OF DOMESTIC SEPTAGE**

ADMINISTRATIVE REPORT

RECEIVED

1991

Waterbury, Conn.
Application Form



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
**APPLICATION TO REGISTER A SITE FOR THE BENEFICIAL
 USE OF DOMESTIC SEPTAGE
 CHECKLIST**

Complete and submit this checklist with your application.

Applicant's Name: Santa Rita Land & Cattle Holdings, Ltd.

Permit Number (if assigned): 711013

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

	Y	N	
Administrative Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Technical Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Landowner Map and List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Required for New and Major Amendments
General Highway Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
USGS Topographic Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
USDA NRCS Soils Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
FEMA Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Required Signature Pages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix B	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Appendix C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soil Test Results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

RECEIVED
 FEB 23 2021
 TCEQ REGIONAL OFFICE
 SAN ANTONIO

For TCEQ Use Only	
Segment Number <u>1804</u>	County <u>Guadalupe</u>
Expiration Date <u>03 Feb 2021</u>	Region <u>13 - San Antonio</u>
Registration Number <u>711013</u>	



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
APPLICATION TO REGISTER A SITE FOR THE BENEFICIAL
USE OF DOMESTIC SEPTAGE
ADMINISTRATIVE REPORT

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

SECTION 1. TYPE OF APPLICATION

- New (original, site not registered)
- New (previously registered but allowed to expire or canceled)
- Major Amendment (including renewals with changes to substantive provisions of the registration)
- Minor Amendment (including non-substantive provisions of the registration, expiration date remains the same)
- Renewal
- Renewal with Minor Amendment

For amendments or modifications, describe the proposed changes: N/A

For existing registrations:

What is the registration number? 711013

SECTION 2. APPLICANT INFORMATION

What is the legal name of the applicant? The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.

Santa Rita Land & Cattle Holdings, Ltd.

If the applicant is an existing TCEQ customer, provide the Customer Number (CN) issued to this entity? CN 604876029

SECTION 3. CO-APPLICANT INFORMATION

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

What is the legal name of the co-applicant? The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.

Comal Ag Operations, LLC

What is the Customer Number (CN) issued to this entity? CN 604870972

Explain the need for a co-applicant: Owner and Operator are separate entities

SECTION 4. APPLICATION CONTACT INFORMATION

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

A. Administrative Contact:

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

Application Contact First and Last Name: Brandt Klutts

Organization Name: Santa Rita Land and Cattle Holdings, Ltd.

Mailing Address: P.O. Box 483

City, State, and Zip Code: Boerne, TX 78006

Phone Number: (830) 305-4623 Fax Number: N/A

E-mail Address: tesoro@gvvc.com

B. Technical Contact:

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

Application Contact First and Last Name: Chris Pasch

Organization Name: Plummer Associates, Inc.

Mailing Address: 6300 La Calma Dr., Ste 400

City, State, and Zip Code: Austin, TX 78752

Phone Number: (512) 687-2162 Fax Number: (512) 452-2325

E-mail Address: cpasch@plummer.com

SECTION 5. REGISTRATION CONTACT INFORMATION

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

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

Permit Contact First and Last Name: Brandt Klutts
Organization Name: Santa Rita Land and Cattle Holdings, Ltd.
Mailing Address: P.O. Box 483
City, State, and Zip Code: Boerne, TX 78006
Phone Number: (830) 305-4623 Fax Number: N/A
E-mail Address: tesoro@gvtc.com

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

Permit Contact First and Last Name: Clayton Klutts
Organization Name: Santa Rita Land and Cattle Holdings, Ltd.
Mailing Address: P.O. Box 483
City, State, and Zip Code: Boerne, TX 78006
Phone Number: (512) 225-4046 Fax Number: N/A
E-mail Address: cmklutts@gmail.com

SECTION 6. REPORTING AND BILLING INFORMATION

A. Please identify the individual for receiving any annual sludge report correspondence.

First and Last Name: Brandt Klutts
Organization Name: Santa Rita Land and Cattle Holdings, Ltd.
Mailing Address: P.O. Box 483
City, State, and Zip Code: Boerne, TX 78006
Phone Number: (830) 305-4623 Fax Number: N/A
E-mail Address: tesoro@gvtc.com

B. Please identify the individual for receiving the annual fee invoices.

First and Last Name: Brandt Klutts
Organization Name: Santa Rita Land and Cattle Holdings, Ltd.
Mailing Address: P.O. Box 483
City, State, and Zip Code: Boerne, TX 78006
Phone Number: (830) 305-4623 Fax Number: N/A
E-mail Address: tesoro@gvtc.com

SECTION 7. REGULATED ENTITY (SITE) INFORMATION

- A. Site Name: Santa Rita and Comal Ag Application Site
- B. If this is an existing permitted site, provide the Regulated Entity Number (RN) issued to this site? RN 108531716
- C. Owner of the beneficial land use area (Attach an additional sheet if more than one landowner).

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

First and Last Name: Santa Rita Land and Cattle Holdings, Ltd.

Organization Name: Santa Rita Land and Cattle Holdings, Ltd.

Mailing Address: P.O. Box 483

City, State, and Zip Code: Boerne, TX 78006

Phone Number: (830) 305-4623

D. Property Acreage

Total acreage listed in legal description, including the application area and buffer zones: 161.37

E. Application Area Acreage

Total acreage where septage may be applied, excluding the buffer zones:
95.4

F. Application Site Jurisdiction

Complete ONE of the following statements:

The application site is within the city limits of

The application site is within the extraterritorial jurisdiction of New Braunfels

The application site is outside the extraterritorial jurisdiction of

G. Describe the source of the septage i.e., residences, mobile homes, etc. Residences

SECTION 8. MISCELLANEOUS INFORMATION

- A. Did any person who was formally employed by the TCEQ represent your company and get paid for services regarding this application? Yes No

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

- B. Is the site located on Indian Lands?

Yes No

C. Is any permanent school fund land affected by this application?

Yes No

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

D. 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.

N/A

SECTION 9. ATTACHMENTS

A. TCEQ Core Data Form

Complete and submit a TCEQ Core Data Form (TCEQ-10400).

Attachment Number: A

B. General Highway (County) Map

Submit an original General Highway (County) Map showing all boundaries of the site area. These can be ordered from the Texas Department of Transportation Map Sales from the following web site: http://www.txdot.gov/travel/county_grid_search.htm

Attachment Number: B

C. United States Geological Survey (USGS) Topographic Map

Submit an original United States Geological Survey (USGS) Topographic Map (1:24,000 scale) showing the items listed below:

- the entire property boundary
- all residences and occupied structures within 1000 feet of the site (if the site is on the border of the USGS map, the adjoining map is also needed)
- the location of all wells, structures, and public water supply facilities on-site and within 500 feet of the application area (including those off-site)
- the boundaries of the application area within the property boundaries including the labeled buffer zones

USGS maps are available at the following website: <http://store.usgs.gov>.

Attachment Number: C

D. USDA Natural Resources Conservation Service (NRCS) Soil Map

Submit a legible copy of a USDA Natural Resources Conservation Service (NRCS) Soil Map that shows the approximate application area boundaries along with a soil legend and necessary interpretative information. Identify the location of each grab sample of the composite soil sample(s) taken for analyses. Soil maps are available at the following website:

<http://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/?stateId=TX>.

If the specific county is not mapped, have a soil scientist identify the soils.

Attachment Number: D.1 & D.2

E. Federal Emergency Management Agency (FEMA) Map

Submit a copy of the Federal Emergency Management Agency (FEMA) Map that shows the approximate application area boundaries along with the appropriate legend. Several options are available for obtaining these: They can be obtained by requesting a Flood Insurance Study (no charge) from the FEMA Flood Map Distribution Center at 800-358-9616. The flood insurance study will contain a booklet and the FEMA maps. The maps can also be downloaded from the following web site:

<https://msc.fema.gov/portal/search>.

Attachment Number: E

SECTION 10. NOTICE INFORMATION

This section is only required for New and Major Amendment applications.

A. Individual to be listed as contact in the notice

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

First and Last Name: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

Phone Number: N/A Fax Number: N/A

E-mail Address: N/A

B. County Judge

Provide information for the County Judge in each county where the site is located. Attach an additional page if the site is located in more than one county.

First and Last Name: N/A

Name of County: N/A

Title: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

Phone Number: N/A

C. Landowner map. Attach a landowner map or drawing, with scale, that includes the following, as applicable.

- The applicant's property boundaries;
- The facility site boundaries within the applicant's property boundaries;
- The property boundaries of all contiguous property owned or under the control of the applicant and the landowners;
- The property boundaries of all landowners bordering the applicant's property.

Attachment Number: N/A

D. Landowner list. Attach a separate list of the landowners' names and mailing addresses. The list must be cross-referenced to the landowners map.

Attachment Number: N/A

E. Landowner list media. Indicate the format of the landowners list.

Read/Writeable CD

4 sets of labels

F. Landowner data source. Provide the source of the landowners' names and mailing addresses. N/A

APPLICANT SIGNATURE PAGE

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

Registration Number: 711013

Applicant: Santa Rita Land and Cattle Holdings, Ltd.

I understand that I am responsible for operating the site described in the legal description in accordance with the Texas Commission on Environmental Quality(TCEQ) requirements in 30 TAC Chapter 312, the conditions set forth in this application, and any additional conditions as required by the TCEQ.

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: Brandt Klutts

Title: Manager

Signature (use blue ink): _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on
this _____ day of _____, 20_____

My commission expires on the _____ day of _____, 20_____

(Seal)

Notary Public

County, Texas

APPLICANT SIGNATURE PAGE

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

Registration Number: 711013

Applicant: Comal Ag Operations, LLC

I understand that I am responsible for operating the site described in the legal description in accordance with the Texas Commission on Environmental Quality(TCEQ) requirements in 30 TAC Chapter 312, the conditions set forth in this application, and any additional conditions as required by the TCEQ.

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: Brandt Klutts

Title: Manager

[Faint notary seal or stamp]

Signature (use blue ink): _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on

this _____ day of _____, 20_____

My commission expires on the _____ day of _____, 20_____

(Seal)

Notary Public

County, Texas

ATTACHMENT A.1

**Core Data Form, Landowner
Admin Rpt, Section 9.A**

ATTACHMENT A.2

**Core Data Form, Site Operator
Admin Rpt, Section 9.B**

**APPLICATION TO REGISTER A SITE FOR
THE BENEFICIAL
USE OF DOMESTIC SEPTAGE**

TECHNICAL REPORT



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
APPLICATION TO REGISTER A SITE FOR THE BENEFICIAL
USE OF DOMESTIC SEPTAGE
TECHNICAL REPORT

**SECTION 1. EQUIPMENT USE AND APPLICATION
INFORMATION**

- A. Describe the equipment and methods to be used to evenly distribute the septage, and if the septage is to be incorporated into the soil, describe the equipment and methods to be used:

Septage will be spread on the site using a slurry spreader towed behind a tractor. Septage will be worked into the soil using a disk plow.

- B. Describe how often septage will be applied to the site and during which times of the year:

Septage will be applied to the site within seven days of receiving septage onsite. Application may occur throughout the year except when the soil is saturated from heavy rainfall.

SECTION 2. SITE HISTORY

- A. Has septage been previously applied to this site? Yes No
- B. Please provide a description of the planned use (as well as historic use if amendment or renewal application) of the application area, including the type of crop(s) grown, crop rotation, tillage practices and previous septage application amounts (gallons) and rates (gallons per acre).

The application area will be sprigged with coastal Bermuda grass during the warm season and overseeded with rye grass in the cool season. The applicant anticipates three to four cuttings per year during years with average rainfall. Tillage is not required. This planned use is consistent with site use since the last application.

**SECTION 3. PATHOGEN AND VECTOR ATTRACTION REDUCTION
REQUIREMENTS**

Please check each of the following to ensure that the pathogen reduction and vector attraction options will be met prior to land application of domestic septage.

Yes Reduction of pathogens (as stated in 30 TAC §312.82) by the addition of lime before land application.

Yes Reduction of vector attraction (as stated in 30 TAC §312.83) by raising the pH to greater than 12 standard units for at least 30 minutes.

SECTION 4. WELL DATA

A. Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation (on a separate page) indicating why.

Attachment Number: C

- The boundaries of the application area
- All wells located on the application area
- All wells located within 500 feet of the application area, including off-site wells of other landowners
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

B. Show well locations and numbers on the USGS map and cross reference to the numbers on the list below. Attach additional pages as necessary to include all of the wells.

Well #	Well Use (drinking, irrigation, sampling, etc)	Producing? (Yes/No)	Open, cased*, capped, or plugged?
<u>N/A - No wells are within 500 feet of the application site.</u>			

* Proper casing is a minimum of 10 feet of casing and cement. Casing, plugging and

capping rules can be found at 16 TAC §76.72.

The site operator shall ensure that the following action will be taken on each well before septage application begins on the site.

Condition of Well	Action to be Taken
If producing and cased	no action necessary
If producing and not cased	case or describe other means of protection
If non-producing and cased	must plug or cap before septage application.
If non-producing and not cased	must plug before septage application.

SECTION 5. SOIL DATA

A. Use the USDA Natural Resources Conservation Service (NRCS) soil descriptions to complete the following table. Refer to Physical and Chemical Properties Table and Engineering Tables in the appropriate county soil survey.

Map Symbol	Soil Type	Maximum slope	pH	Depth to Bedrock* (Inches)	Depth to Groundwater (Feet)	Permeability (Inch/hour)	* Soil Depth (Inches)
FhF3	Ferris and Heiden soils	20%	8.2	84"	>6.56'	0.03	84"
HeC3	Heiden Clay	5%	8.2	80"	>6.56'	0.03	80"
HeD3	Heiden Clay	8%	8.2	80"	>6.56'	0.03	80"
HoB	Houston Black Clay	3%	7.9	80"	>6.56'	0.03	80"
HpB	Houston Black Gravelly Clay	3%	7.9	80"	>6.56'	0.03	80"
HpC	Houston Black Gravelly Clay	5%	7.9	86"	>6.56'	0.03	86"
Tr	Tinn Clay	1%	7.9	80"	>6.56'	0.03	80"
Tw	Tinn Clay	1%	7.9	80"	>6.56'	0.03	80"

* If depth to bedrock is not specified in the soil survey, use the maximum depth shown.

B. If soil depth is less than two feet, please provide the rationale for utilizing soils thinner than two feet. The rationale should include site specific investigation results.

N/A

C. Soil Data Table Completed By: Jenni English, EIT - Plummer Associates, Inc.

D. Data Source(s): USDA NRCS Web Soil Survey

E. Date: 3/12/2020

F. List Soils with Restrictive Characteristics (refer to the list below):

Tr - Occasionally Flooded; Tw - Frequently Flooded

Restrictive Soil Characteristics:

Soils with at least an "occasional flooding" classification in the soil legend

may flood between 5 and 50 times in 100 years.

Seasonal groundwater or groundwater table shall be below the treatment zone at least:

3 feet for soil with permeability of < 2 in/hr;

4 feet for soil with permeability of 2 - 6 in/hr;

For soil permeabilities of > 6 in/hr, the TCEQ will review each case individually.

**APPLICATION TO REGISTER A SITE FOR
THE BENEFICIAL
USE OF DOMESTIC SEPTAGE**

**APPENDIX A
SEPTAGE APPLICATION RATE**

APPENDIX A

SEPTAGE APPLICATION RATE

SECTION 1. CROPPING PLAN AND NUTRIENT NEEDS

Warm Season Intended Crop(s): Coastal Bermuda Grass

Yield Goal: 4 Cuttings per year Nitrogen Requirement, in lb/yr: 400

Cool Season Intended Crop(s): + Rye Grass

Yield Goal: 2 Cuttings per year Nitrogen Requirement, in lb/yr: 140

Nitrogen needed by crop:

- A. Total Nitrogen Requirement for specified yield goals*: 540 lbs/r
- B. Nitrogen available in soil ** Minus - 73.6 lbs/yr
- C. Supplemental Nitrogen needed to meet yield goals Equals = 466.4 lbs/yr

Provide the data source for the value entered in Line A.

Agrilife "S_Crops.xls"

*Line A = Sum of the nitrogen requirement for the specified yield goals for the warm season crop and cool season crop

**Line B = $2 * \text{NO}_3\text{-N (ppm)(in the 0-6" soil depth)} + 6 * \text{NO}_3\text{-N(ppm)(in the 6-24" soil depth)}$

SECTION 2. CALCULATE ANNUAL APPLICATION RATE

The annual application rate (AAR) is based on the nitrogen requirements of the crop, in gallons per acre per 365 day period.

$$\text{AAR} = \text{N (Line C)} / 0.0026 = \underline{179,385} \text{ gal/acre/yr}$$

AAR = Annual application rate in gallons per acre per 365 day period.

N = Amount of nitrogen, in pounds per acre per 365 day period, for the crop.

If the facility is located in a Major Sole-Source Impairment Zone, then please provide a copy of a nutrient management plan that has been prepared by a certified nutrient management specialist in accordance with the practice standards of the Natural Resources Conservation Service of the United States Department of Agriculture, and if the phosphorous level in the soil is greater than 200 parts per million, you must also submit a detailed Nutrient Utilization Plan.

Attachment Number: N/A

**APPLICATION TO REGISTER A SITE FOR
THE BENEFICIAL
USE OF DOMESTIC SEPTAGE**

**APPENDIX B
SOIL TESTING INFORMATION**

APPENDIX B

SOIL TESTING INFORMATION

Soil samples shall be taken prior to any application of commercial fertilizer. Do not use a galvanized container as this could give a false reading on zinc. Samples will need to be taken within the same 45 day time-frame each year, or by an approved sampling plan and analyzed within 30 days of sample collection. The initial soil sample for application approval may be taken whenever necessary.

Obtain one composite sample for each soil depth per 80 acres and per uniform soil type (soils with the same characteristics and texture) within the 80 acres, or per approved soil sampling plan. Composite samples shall be comprised of 10 - 15 random sample cores taken from each of the following soil depth zones: 0-6 inches and 6-24 inches.

Soil samples shall be submitted to a soil testing laboratory along with a previous crop history of the site, intended crop growth and yield goal. Soil reports shall include fertilizer recommendations for the crop yield goal. Samples shall be analyzed for the parameters below:

Parameter (7)		0- 6 "	6 -24"	Frequency
Nitrate Nitrogen (NO ₃ -N, mg/kg)	(1)	x	x	1 per year
Ammonium Nitrogen (NH ₄ -N, mg/kg)	(1)	x	x	1 per year
Total Kjeldahl Nitrogen (TKN, mg/kg)	(2)	x	x	1 per year
Phosphorus (plant available, mg/kg)	(3)	x	x	1 per year
Potassium (plant available, mg/kg)	(3)	x	x	1 per year
Sodium (plant available, mg/kg)	(3)	x	x	1 per year
Magnesium (plant available, mg/kg)	(3)	x	x	1 per year
Calcium (plant available, mg/kg)	(3)	x	x	1 per year
Electrical Conductivity	(4)	x	x	1 per year
Soil Water pH (S.U.)	(5)	x	x	1 per year
Total Arsenic (mg/kg)	(6)	x	N/A	1 per 5 years
Total Cadmium (mg/kg)	(6)	x	N/A	1 per 5 years
Total Chromium (mg/kg)	(6)	x	N/A	1 per 5 years
Total Copper (mg/kg)	(6)	x	N/A	1 per 5 years
Total Lead (mg/kg)	(6)	x	N/A	1 per 5 years
Total Mercury (mg/kg)	(6)	x	N/A	1 per 5 years
Total Molybdenum (mg/kg)	(6)	x	N/A	1 per 5 years
Total Nickel (mg/kg)	(6)	x	N/A	1 per 5 years
Total Selenium (mg/kg)	(6)	x	N/A	1 per 5 years
Total Zinc (mg/kg)	(6)	x	N/A	1 per 5 years

- 1: Determined in a 1 N KCl soil extract (<http://soiltesting.tamu.edu/webpages/swftlmethods1209.html>).
2. Determined by Kjeldahl digestion or an equivalent accepted procedure. Methods that rely on Mercury as a catalyst are not acceptable.
3. Mehlich III extraction (yields plant-available concentrations) with inductively coupled plasma.
4. Electrical Conductivity (EC) - determine from extract of 2:1 (volume/volume) water/soil mixture and expressed in dS/m (same as mmho/cm).
5. Soil pH must be analyzed by the electrometric method in Test Methods for Evaluating Solid Waste, EPA SW-846, 40 CFR 260.11; method 9045C - determine from extract of 2:1 (volume/volume) water/soil mixture.

6. Analysis for metals in soil must be performed according to methods outlined in Test Methods for Evaluating Solid Waste, EPA SW-846; method 3050.

7. All parameters must be analyzed on a dry weight basis, except Soil Water pH and Electrical Conductivity.

Please be advised that the maximum acceptable soil concentrations of metals are listed below. These rates are based on the maximum cumulative loading rates found in §312.43 Table 2- Cumulative Metal Loading Rate.

Metal	Soil Conc. Limit (mg/kg soil)
Total Arsenic	20.5
Total Cadmium	19.5
Total Chromium	1500
Total Copper	750
Total Lead	150
Total Mercury	8.5
Total Molybdenum	Monitor
Total Nickel	210
Total Selenium	50
Total Zinc	1,400

Attach copies of the laboratory reports for all required tests.

Attachment Number: F

Attach a map which clearly delineates where the soil samples were taken on the site. It must match the scale of the soil survey map submitted with the application. The soil analysis data submitted must be clearly cross referenced to the location of the sample(s).

Attachment Number: D.2

**APPLICATION TO REGISTER A SITE FOR
THE BENEFICIAL
USE OF DOMESTIC SEPTAGE**

**APPENDIX C
ON-SITE STORAGE**

APPENDIX C

ON-SITE STORAGE

If on-site storage will occur at the site, this Appendix must be completed in its entirety. On-site storage does not include staging of septage for up to seven (7) days prior to applying it. On-site storage cannot exceed the 90-day maximum per 30 TAC §312.50 unless properly authorized for each instance. Construction of the storage area cannot begin until written authorization for this action is received from the TCEQ. The on-site storage area must be shown on the U.S.G.S. topographic map submitted with the application, including the major features of the storage area (berms, tanks, pads, liners, stormwater retention, etc.). No treatment of the materials can be authorized under a registration.

- A. Provide a complete description of operational plans for the temporary storage including all steps to be taken to control odors, vectors and other nuisance conditions.

See Attachment G

- B. Identify the location of the temporary storage area(s) on the USGS, topographic map submitted with the application, including all main features of the storage area(s). The intent of this requirement is to provide enough detail on the map to ensure adequate measures are taken to protect the environment.

Attachment Number: C

- C. Provide the certifications required by 30 TAC §312.50.

Attachment Number: Septage is stored in Tankers

- D. Provide a full explanation of proposed spill prevention and cleanup methods.

See Attachment G

- E. Provide a full description of the method for stormwater runoff collection and disposal.

See Attachment G

- F. Describe methods to be used to ensure no loads of septage remain at the temporary storage site for longer than 90 days, including how exceptions to this restriction will be requested (as provided by 30 TAC §312.50) when needed.

See Attachment G

**SANTA RITA LAND AND CATTLE HOLDINGS, LTD, AND COMAL AG OPERATIONS, LLC
SITE REGISTRATION FOR BENEFICIAL USE OF DOMESTIC SEPTAGE
RENEWAL APPLICATION**

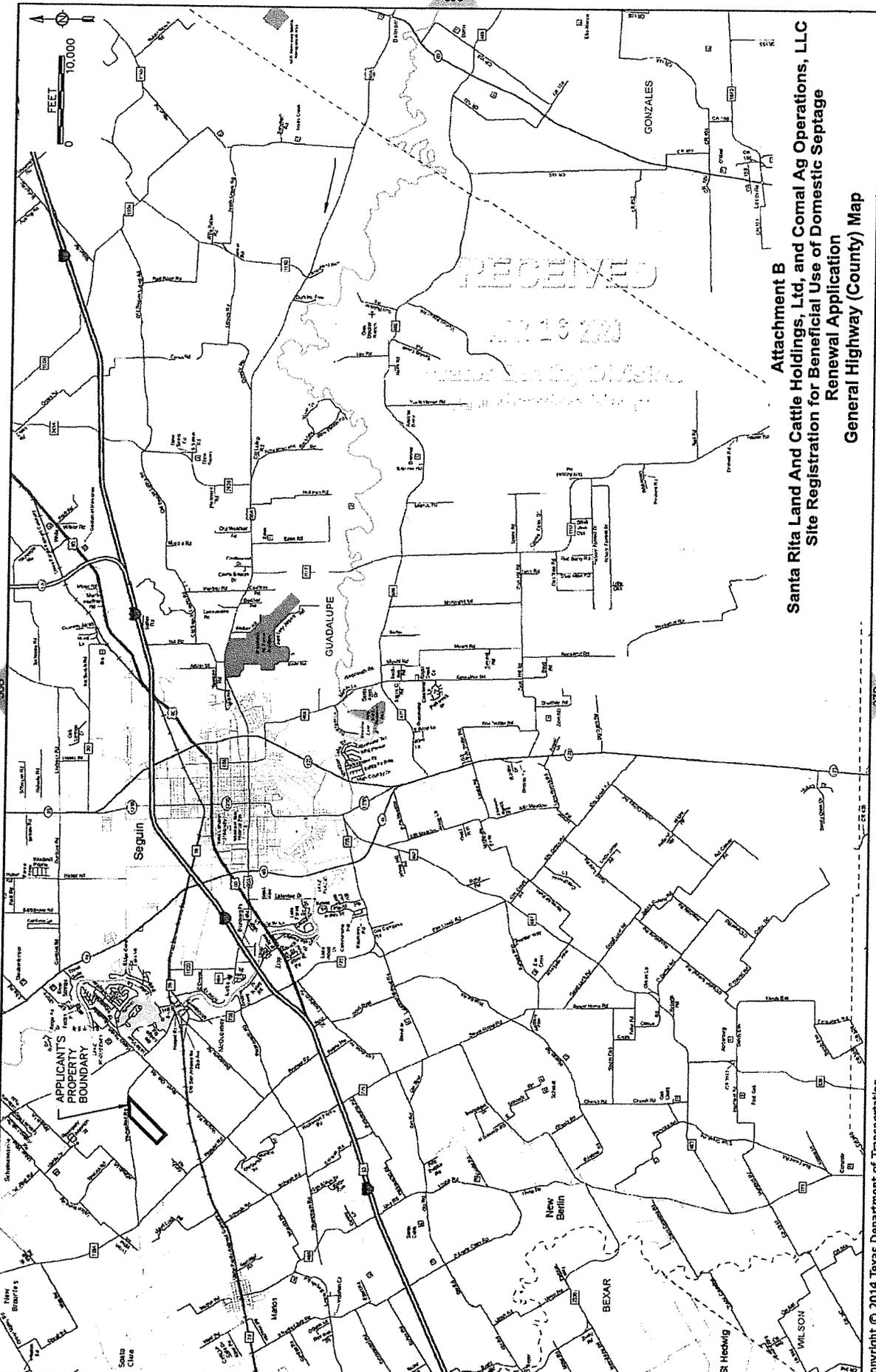
TABLE OF ATTACHMENTS

<u>No.</u>	<u>Description</u>	<u>Reference</u>
A.1	Core Data Form, Landowner	Admin Rpt, Section 9.A
A.2	Core Data Form, Site Operator	Admin Rpt, Section 9.A
B	General Highway (County) Map	Admin Rpt, Section 9.B
C	USGS Map	Admin Rpt, Section 9.C; Appendix C
D.1	USDA NRCS Soil Map	Admin Rpt, Section 9.D
D.2	Soil Sampling Locations	Admin Rpt, Section 9.D; Appendix B
E	FEMA Map	Admin Rpt, Section 9.E
F	Results of Soils Analyses	Appendix B
G	On-Site Storage Information	Appendix C, Item A & Items D-F

ATTACHMENT B

**General Highway (County) Map
Admin Rpt, Section 9.B**

Counties: Bexar, Gonzales, Guadalupe, Wilson



Attachment B
 Santa Rita Land And Cattle Holdings, Ltd, and Comal Ag Operations, LLC
 Site Registration for Beneficial Use of Domestic Septage
 Renewal Application
 General Highway (County) Map

Scale: 1:170,000

Page-369

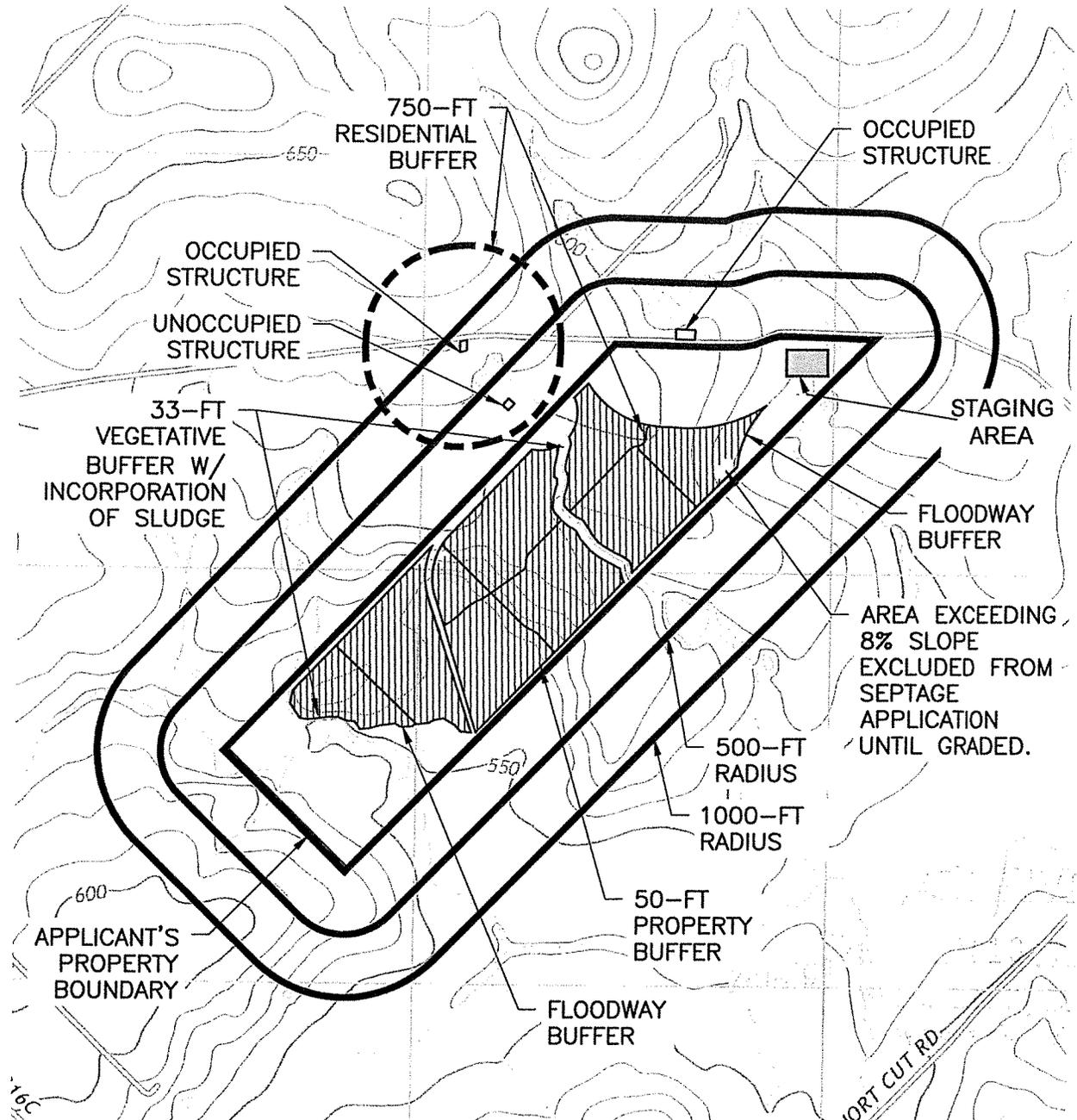
ATTACHMENT C

**USGS Map
Admin Rpt, Section 9.C; Appendix C**



**ALAN PLUMMER
ASSOCIATES, INC.**

ENVIRONMENTAL
ENGINEERS AND SCIENTISTS



LEGEND



SEPTAGE APPLICATION AREA (LAND APPLIED SEPTAGE WILL BE INCORPORATED INTO THE SOIL DURING APPLICATION)

NOTE: ALL BUFFER ZONES MEET 30 TAC 312.44 REQUIREMENTS.

TEXAS REGISTERED ENGINEERING FIRM F-13
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Attachment C
Santa Rita Land And Cattle Holdings, Ltd, and Comal Ag Operations, LLC
Site Registration for Beneficial Use of Domestic Septage
Renewal Application
USGS Map

ATTACHMENT D.1

**USDA NRCS Soil Map
Admin Rpt, Section 9.D**



Soil Map may not be valid at this scale.

Map Scale: 1:10,900 if printed on A landscape (11" x 8.5") sheet.

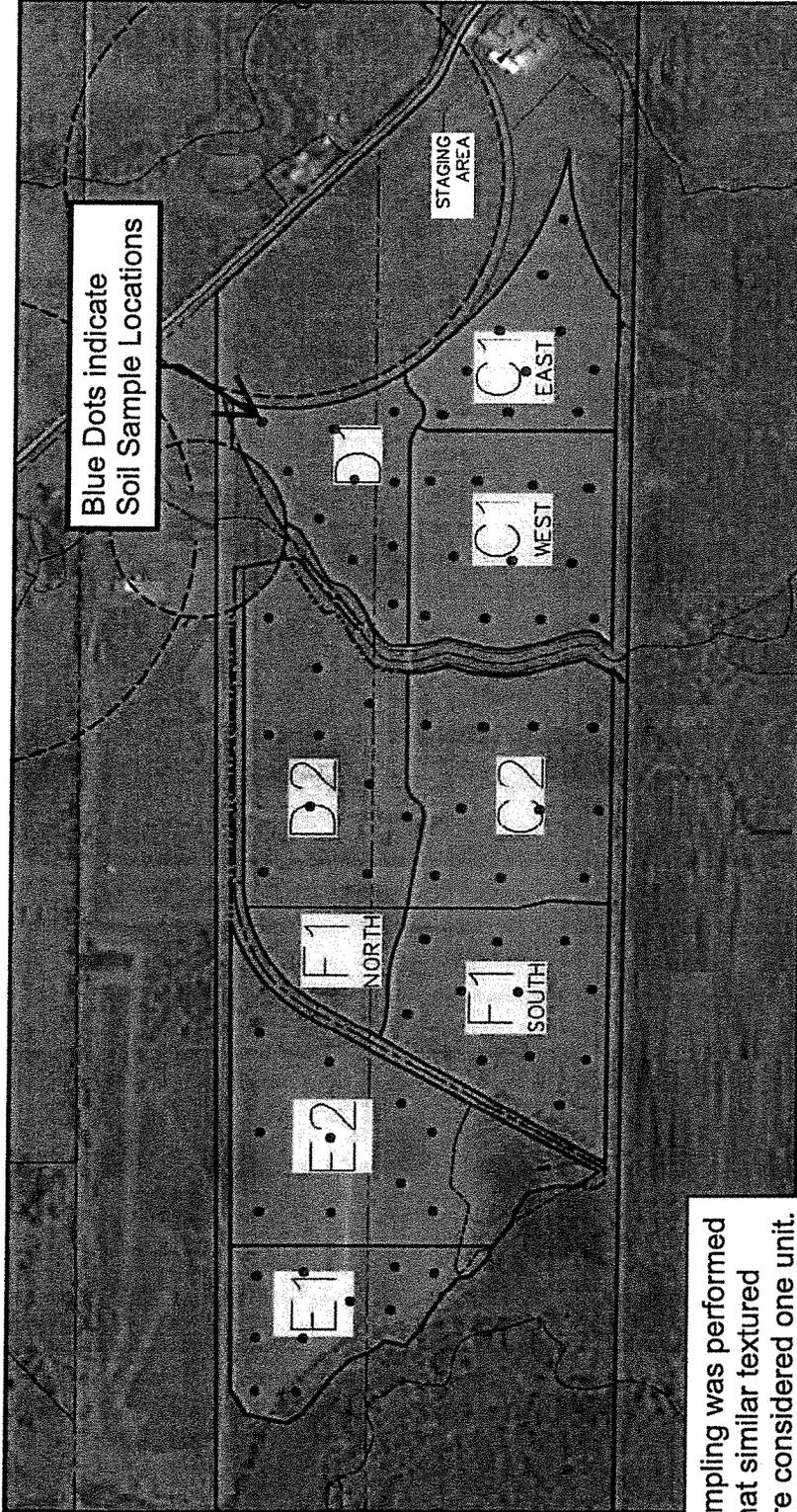


Attachment D.1

Santa Rita Land and Cattle Holdings, Ltd, and Comal Ag Operations, LLC
 Site Registration for Beneficial Use of Domestic Septage
 Renewal Application
 USDA NRCS Soil Map

ATTACHMENT D.2

**Soil Sampling Locations
Admin Rpt, Section 9.D; Appendix B**



Blue Dots indicate
Soil Sample Locations

Soil sampling was performed such that similar textured soils are considered one unit. Sampling was based on aerial extent of fields to account for different nutrient residuals.

Attachment D.2
Santa Rita Land and Cattle Holdings, Ltd, and Comal Ag Operations, LLC
Site Registration for Beneficial Use of Domestic Septage
Renewal Application
Soil Sampling Locations

ATTACHMENT E

**FEMA Map
Admin Rpt, Section 9.E**



PLUMMER



LEGEND

-  APPLICANT'S PROPERTY BOUNDARY
-  SEPTAGE APPLICATION AREA
-  100-YR FLOOD ZONE A

Attachment E
Santa Rita Land and Cattle Holdings, Ltd, and Comal Ag Operations, LLC
Site Registration for Beneficial Use of Domestic Septage
Renewal Application
FEMA Map

TEXAS REGISTERED ENGINEERING FIRM F-13
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ATTACHMENT F

**Results of Soils Analyses
Appendix B**

SOIL ANALYSIS REPORT

CLIENT:
41493
PKCC
PAUL REYNOLDS
PO BOX 778
CLARENDON, TX 79226

**Servi-Tech
Laboratories**
www.servitechlabs.com

6921 S. Bell
Amarillo, TX 79109
800.557.7509
806.677.0093
Fax 806.677.0329

LAB NO: 16978 - 16979
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

SOIL ANALYSIS RESULTS FOR: COMAL AG

METHOD USED:

Lab Number	Sample ID	Sample Depth	Water-Soil		Buffer pH	Z:1 Water-Soil Sol. Salts mmho/cm	XSL(i) Excess Lime	LOI(f) % Organic Matter	Cd Reduction		Phosphorus ppm P	Potassium ppm K	Sulfur ppm	Sulfur lb. 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	
			Nitrate-Nitrogen ppm	lb. N/A																			
16978	E1	0 - 6	8.3			0.33	Hi	6.8	7.0	13	209	301	87	157	13000	395	174						
16979	E1	6 - 24	8.5			0.52	Hi	2.0	3.4	18	14	192	62	335	13500	577	527						

METHOD USED:

Lab Number	Sample ID	Sample Depth	KCl Extr.		Total N ppm	TKN ppm
			Ammonium Nitrogen ppm	lb. /A		
16978	E1	0 - 6	3	5	3452	745
16979	E1	6 - 24	4	22	748	

FERTILIZER RECOMMENDATIONS:

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
				8.0	6.5	7.0											
16978	E1																
16979	E1																

POUNDS ACTUAL NUTRIENT PER ACRE

CEC	%H	%K	%Ca	%Mg	%Na	Cation Exchange Capacity	
						%K	%Na
30	0	3	84	11	3		
33	0	2	77	15	7		

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: Rachel Spaulding
Data Review Coordinator

Rachel Spaulding

Page 1 of 2
02/24/2020 4:30 pm

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.
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SOIL ANALYSIS REPORT

CLIENT:
41493
PKCC
PAUL REYNOLDS
PO BOX 778
CLARENDON, TX 79226

6921 S. Bell
Amarillo, TX 79109
800.557.7509
806.677.0093
Fax 806.677.0329

**Servi-Tech
Laboratories**
www.servitechlabs.com

LAB NO: 16978 - 16979
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

SOIL ANALYSIS RESULTS FOR: COMAL AG

FIELD IDENTIFICATION:

SUBCONTRACT LABS

Subcontract Lab	Concentration	Units	Sample ID	Date
BAT Laboratories, Inc.				
16978 Cadmium	0.500	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16978 Chromium	13.1	mg/kg	EPA 200.8, SW846-6020	02/20/2020
16978 Copper	69.8	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16978 Lead	11.9	mg/kg	EPA 200.8, SW846-6020	02/20/2020
16978 Mercury	0.0624	mg/kg	EPA 200.8, SW846-6020	02/20/2020
16978 Molybdenum	1.59	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16978 Nickel	16.4	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16978 Selenium	1.98	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16978 Zinc	242	mg/kg	EPA 200.8, SW846-6020	02/20/2020
16978 Arsenic	5.56	mg/kg	EPA 200.8, SW846-6020	02/20/2020

Servi-Tech Laboratories did not analyse the sample for the reported subcontracted results.
The original report from the subcontract lab is available upon request.

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 16978
 Servi-Tech Laboratory fertilizer recommendations were not requested.
 Lab Number(s): 16978, 16979
 The CEC value calculated by cation summation has been adjusted to compensate for the presence of excess lime (reactive carbonates).
 Lab Number(s): 16979
SODIUM - CAUTION (4% to 7% Na): The exchangeable soil sodium (as % Na) is moderately high for fine-textured soils and may indicate a developing problem. If irrigated, an irrigation water analysis can help identify the sodium source. Contact the laboratory for details.
 Lab Number(s): 16979
SODIUM - WARNING (7% to 10% Na): The exchangeable soil sodium (as % Na) is high for fine-textured soils. Typical symptoms of a sodium problem are soil sealing, crusting, and poor water penetration. Applying gypsum may be beneficial, but additional soil analysis may be required to determine the rate. If irrigated, water analysis can help identify the sodium source. Contact the laboratory for more information.

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 Rachel Spaulding Page 2 of 2
 Approved By: Data Review Coordinator 02/24/2020 4:30 pm
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SOIL ANALYSIS REPORT

LAB NO: 16980 - 16981
 INVOICE NO: 155970
 DATE RECEIVED: 01/21/2020
 DATE REPORTED: 02/24/2020

6921 S. Bell
 Amarillo, TX 79109
 800.557.7509
 806.677.0093
 Fax 806.677.0329

**Servi-Tech
 Laboratories**
 www.servitechlabs.com

CLIENT: PKCC
 41493
 PAUL REYNOLDS
 PO BOX 778
 CLARENDON, TX 79226

SOIL ANALYSIS RESULTS FOR: COMAL AG

METHOD USED:

Lab Number	Sample ID	Sample Depth	2:1 Water-Soil Sol. pH	2:1 Water-Soil Sol. Salts mmho/cm	XSL(l)	LOI(l)	Cd Reduction	Phosphorus ppm P	Potassium ppm K	Sulfur ppm	Calcium ppm Ca	Magnesium ppm Mg	Sodium ppm Na	Zinc ppm Zn	Iron ppm Fe	Manganese ppm Mn	Copper ppm Cu	Boron ppm B
16980	E2	0 - 6	8.0	0.58	Hi	5.8	13.7	25	238	131	236	541	294					
16981	E2	6 - 24	8.3	0.52	Hi	2.2	7.7	42	161	50	270	667	331					

FIELD IDENTIFICATION:

Mehlich 3 ICP

METHOD USED:

Lab Number	Sample ID	Sample Depth	KCl Extr. Ammonium Nitrogen ppm lb./A	Total N ppm	TKN ppm
16980	E2	0 - 6	4	2690	2676
16981	E2	6 - 24	3	693	685

FERTILIZER RECOMMENDATIONS:

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
16980	E2			6.0 6.5 7.0											
16981	E2														

POUNDS ACTUAL NUTRIENT PER ACRE

Lab Number	Sample ID	N	P ₂ O ₅	K ₂ O	Zn	S	Mn	Cu	MgO	B	Ca	Cl
16980	E2											
16981	E2											

Cation Exchange Capacity			
CEC	%H	%K	%Na
31	0	2	14
32	0	1	17

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:

Rachel Spaulding
 Data Review Coordinator

Rachel Spaulding

Page 1 of 2
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SOIL ANALYSIS REPORT

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LAB NO: 16980 - 16981
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

CLIENT: PKCC
41493
PAUL REYNOLDS
PO BOX 778
CLARENDON, TX 79226

SOIL ANALYSIS RESULTS FOR: COMAL AG

FIELD IDENTIFICATION:

SUBCONTRACT LABS

BAT Laboratories, Inc.

16980 Cadmium	0.443 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16980 Chromium	11.0 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16980 Copper	90.2 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16980 Lead	16.2 mg/kg	EPA 6010	02/20/2020
16980 Mercury	0.0792 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16980 Molybdenum	1.61 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16980 Nickel	13.3 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16980 Selenium	1.83 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16980 Zinc	266 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16980 Arsenic	5.2 mg/kg	EPA 200.8, SW846-6020	02/20/2020

Servi-Tech Laboratories did not analyse the sample for the reported subcontracted results.
The original report from the subcontract lab is available upon request.

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 16980
Servi-Tech Laboratory fertilizer recommendations were not requested.

Lab Number(s): 16980, 16981

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

Lab Number(s): 16980, 16981

SODIUM - CAUTION (4% to 7% Na): The exchangeable soil sodium (as % Na) is moderately high for fine-textured soils and may indicate a developing problem. If irrigated, an irrigation water analysis can help identify the sodium source. Contact the laboratory for details.

Analyses are representative of the samples submitted

Reviewed and Approved By: Rachel Spaulding
Data Review Coordinator

Explanations of soil analysis terms are available upon request

Rachel Spaulding

Page 2 of 2
02/24/2020 4:30 pm

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SOIL ANALYSIS REPORT

CLIENT: PKCC
 41493
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 806.677.0093
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**Servi-Tech
 Laboratories**
 www.servitechlabs.com

LAB NO: 16982 - 16983
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

SOIL ANALYSIS RESULTS FOR: COMAL AG

METHOD USED:

Lab Number	Sample ID	Sample Depth	2:1 Water-Soil		Buffer pH	XSL(f)	LOI(f)	Cd Reduction		Phosphorus ppm P	Potassium ppm K	Sulfur ppm	Sulfur lb. 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
			Water-Soil	Soil Sails mmho/cm				Nitrate-Nitrogen ppm	lb. N/A												
16982	F1 SOUTH	0 - 6	0.64	8.1	8.1	HI	4.6	12.5	23	191	348	152	274	11700	509	292					
16983	F1 SOUTH	6 - 24	0.61	8.2	8.2	HI	2.0	5.4	29	18	212	77	416	10300	670	366					

FIELD IDENTIFICATION:

Mehlich 3 ICP

METHOD USED:

Lab Number	Sample ID	Sample Depth	KCl Extr.		Total N ppm	TKN ppm
			Ammonium Nitrogen ppm	lb. /A		
16982	F1 SOUTH	0 - 6	4	7	2364	2351
16983	F1 SOUTH	6 - 24	4	22	732	727

FERTILIZER RECOMMENDATIONS:

Lab Number	Sample ID	Sample Depth	Crop To Be Grown	Yield Goal	Lime, ECC Tons/A to raise pH to:		
					6.0	6.5	7.0
16982	F1 SOUTH						
16983	F1 SOUTH						

POUNDS ACTUAL NUTRIENT PER ACRE

Lab Number	Sample ID	Sample Depth	N	P ₂ O ₅	K ₂ O	Zn	S	Mn	Cu	MgO	B	Ca	Cl	Cation Exchange Capacity					
														CEC	%H	%K	%Ca	%Mg	%Na
16982	F1 SOUTH													31	0	3	80	14	4
16983	F1 SOUTH													33	0	2	76	17	5

Analyses are representative of the samples submitted
 Samples are retained 30 days after report of analysis
 Reviewed and Approved By: Rachel Spaulding
 Data Review Coordinator
 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.
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Explanations of soil analysis terms are available upon request
 Page 1 of 2
 02/24/2020 4:30 pm
 Rachel Spaulding

SOIL ANALYSIS REPORT

6921 S. Bell
Amarillo, TX 79109
800.557.7509
806.677.0093
Fax 806.677.0329

**Servi-Tech
Laboratories**
www.servitechlabs.com

CLIENT: PKCC
41493
PAUL REYNOLDS
PO BOX 778
CLARENDON, TX 79226

LAB NO: 16982 - 16983
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

SOIL ANALYSIS RESULTS FOR: COMAL AG

FIELD IDENTIFICATION:

SUBCONTRACT LABS

BAT Laboratories, Inc.

16982 Cadmium	0.350 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16982 Chromium	10.4 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16982 Copper	65.7 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16982 Lead	12.9 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16982 Mercury	0.0701 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16982 Molybdenum	1.6 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16982 Nickel	14.8 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16982 Selenium	1.58 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16982 Zinc	183 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16982 Arsenic	5.75 mg/kg	EPA 200.8, SW846-6020	02/20/2020

Servi-Tech Laboratories did not analyse the sample for the reported subcontracted results.
The original report from the subcontract lab is available upon request.

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 16982
Servi-Tech Laboratory fertilizer recommendations were not requested.

Lab Number(s): 16982, 16983

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

Lab Number(s): 16982, 16983

SODIUM - CAUTION (4% to 7% Na): The exchangeable soil sodium (as % Na) is moderately high for fine-textured soils and may indicate a developing problem. If irrigated, an irrigation water analysis can help identify the sodium source. Contact the laboratory for details.

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: Rachel Spaulding
Data Review Coordinator

Rachel Spaulding

Page 2 of 2

02/24/2020 4:30 pm

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SOIL ANALYSIS REPORT

6921 S. Bell
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 806.677.0093
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LAB NO: 16984 - 16985
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

CLIENT: PKCC
 41493
 PAUL REYNOLDS
 PO BOX 778
 CLARENDON, TX 79226

SOIL ANALYSIS RESULTS FOR: COMAL AG

FIELD IDENTIFICATION:

SUBCONTRACT LABS

BAT Laboratories, Inc.

16984 Cadmium	0.315 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16984 Chromium	11.0 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16984 Copper	28.1 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16984 Lead	11.2 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16984 Mercury	0.0316 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16984 Molybdenum	0.743 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16984 Nickel	13.8 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16984 Selenium	1.20 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16984 Zinc	93.1 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16984 Arsenic	5.04 mg/kg	EPA 200.8, SW846-6020	02/20/2020

Servi-Tech Laboratories did not analyse the sample for the reported subcontracted results.
 The original report from the subcontract lab is available upon request.

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 16984
 Servi-Tech Laboratory fertilizer recommendations were not requested.
 Lab Number(s): 16984, 16985
 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: Rachel Spaulding Data Review Coordinator *Rachel Spaulding* Page 2 of 2
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SOIL ANALYSIS REPORT

LAB NO: 16986 - 16987
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

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CLIENT: PKCC
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 PAUL REYNOLDS
 PO BOX 778
 CLARENDON, TX 79226

SOIL ANALYSIS RESULTS FOR: COMAL AG																			
METHOD USED: Mehlich 3 ICP																			
Lab Number	Sample ID	Sample Depth	2:1 Water-Soil Soil pH	2:1 Water-Soil Buffer pH	Water-Soil Sol. Salts mmho/cm	XSL(f) Excess Lime	LO(f) % Organic Matter	Cd Reduction Nitrate-Nitrogen ppm	Phosphorus ppm P	Potassium ppm K	Sulfur ppm	Calcium ppm Ca	Magnesium ppm Mg	Sodium ppm Na	Zinc ppm Zn	Iron ppm Fe	Manganese ppm Mn	Copper ppm Cu	Boron ppm B
16986	D2	0 - 6	8.2		0.49	Hi	2.7	3.3	42	243	51	92	310	225					
16987	D2	6 - 24	8.3		0.64	Hi	2.0	1.9	6	162	126	680	414	526					

METHOD USED: KCl Extr.													
Lab Number	Sample ID	Sample Depth	Ammonium Nitrogen ppm	Total N ppm	TKN ppm								
16986	D2	0 - 6	3	1570	1567								
16987	D2	6 - 24	3	573	571								

FERTILIZER RECOMMENDATIONS:																		
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
				6.0	6.5	7.0												
16986	D2																	
16987	D2																	

POUNDS ACTUAL NUTRIENT PER ACRE																								
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	%H												%K	%Ca	%Mg	%Na		
16986	D2																		29	0	2	86	9	3
16987	D2																		31	0	1	80	11	7

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: Rachel Spaulding
 Data Review Coordinator

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CLIENT:
 41493

LAB NO: 16986 - 16987
 INVOICE NO: 155970
 DATE RECEIVED: 01/21/2020
 DATE REPORTED: 02/24/2020

SOIL ANALYSIS RESULTS FOR: COMAL AG

SUBCONTRACT LABS

BAT Laboratories, Inc.

Element	Concentration	Units	Sample ID	Date
16986 Cadmium	0.296	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16986 Chromium	8.87	mg/kg	EPA 200.8, SW846-6020	02/20/2020
16986 Copper	21.3	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16986 Lead	10.8	mg/kg	EPA 200.8, SW846-6020	02/20/2020
16986 Mercury	0.0230	mg/kg	EPA 200.8, SW846-6020	02/20/2020
16986 Molybdenum	0.904	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16986 Nickel	12.8	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16986 Selenium	1.14	mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16986 Zinc	68.1	mg/kg	EPA 200.8, SW846-6020	02/20/2020
16986 Arsenic	5.35	mg/kg	EPA 200.8, SW846-6020	02/20/2020

FIELD IDENTIFICATION:

Servi-Tech Laboratories did not analyse the sample for the reported subcontracted results.
 The original report from the subcontract lab is available upon request.

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 16986
 Servi-Tech Laboratory fertilizer recommendations were not requested.

Lab Number(s): 16986, 16987

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

Lab Number(s): 16987

SODIUM - CAUTION (4% to 7% Na): The exchangeable soil sodium (as % Na) is moderately high for fine-textured soils and may indicate a developing problem. If irrigated, an irrigation water analysis can help identify the sodium source. Contact the laboratory for details.

Lab Number(s): 16987

SODIUM - WARNING (7% to 10% Na): The exchangeable soil sodium (as % Na) is high for fine-textured soils. Typical symptoms of a sodium problem are soil sealing, crusting, and poor water penetration. Applying gypsum may be beneficial, but additional soil analysis may be required to determine the rate. If irrigated, water analysis can help identify the sodium source. Contact the laboratory for more information.

Analyses are representative of the samples submitted

Reviewed and Approved By: Rachel Spaulding
 Data Review Coordinator

Explanations of soil analysis terms are available upon request

Page 2 of 2
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SOIL ANALYSIS REPORT

LAB NO: 16988 - 16989
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

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CLIENT: PKCC
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 PO BOX 778
 CLARENDON, TX 79226

SOIL ANALYSIS RESULTS FOR: COMAL AG

METHOD USED: Mehlich 3 ICP

Lab Number	Sample ID	Sample Depth	2:1 Water-Soil Soil pH	Buffer pH	Water-Soil Sol. Salts mmho/cm	2:1 XSL(l)	LOI(l)	Cd Reduction	Phosphorus ppm P	Potassium ppm K	Sulfur lb. 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
16988	C1 WEST	0 - 6	8.1		0.61	Hi	3.9	18.7	163	258	165	11900	420	280					
16989	C1 WEST	6 - 24	8.3		0.47	Hi	2.8	4.3	14	151	43	8960	557	285					

METHOD USED: KGI Extr.

Lab Number	Sample ID	Sample Depth	Ammonium Nitrogen ppm	Total N ppm	TKN ppm
16988	C1 WEST	0 - 6	3	2422	2403
16989	C1 WEST	6 - 24	3	696	692

FERTILIZER RECOMMENDATIONS:

Lab Number	Sample ID	Crop To Be Grown	POUNDS ACTUAL NUTRIENT PER ACRE											Cation Exchange Capacity													
			Lime	ECC	Tons/A to raise pH to:	N	P ₂ O ₅	K ₂ O	Zn	S	Mn	Cu	MgO	B	Ca	Cl	%H	%K	%Ca	%Mg	%Na						
16988	C1 WEST		6.0		6.5	7.0																30	0	2	82	12	4
16989	C1 WEST																					31	0	1	80	15	4

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.

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 Data Review Coordinator

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CLIENT:
41493

LAB NO: 16988 - 16989
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

SOIL ANALYSIS RESULTS FOR: COMAL AG

FIELD IDENTIFICATION:

SUBCONTRACT LABS

BAT Laboratories, Inc.

16988 Cadmium	0.327 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16988 Chromium	13.8 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16988 Copper	41.0 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16988 Lead	12.9 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16988 Mercury	0.0521 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16988 Molybdenum	1.37 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16988 Nickel	15.5 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16988 Selenium	1.33 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16988 Zinc	120 mg/kg	EPA 6010	02/20/2020
16988 Arsenic	5.92 mg/kg	EPA 200.8, SW846-6020	02/20/2020

Servi-Tech Laboratories did not analyse the sample for the reported subcontracted results.
The original report from the subcontract lab is available upon request.

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 16988

Servi-Tech Laboratory fertilizer recommendations were not requested.

Lab Number(s): 16988, 16989

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

Lab Number(s): 16988, 16989

SODIUM - CAUTION (4% to 7% Na): The exchangeable soil sodium (as % Na) is moderately high for fine-textured soils and may indicate a developing problem. If irrigated, an irrigation water analysis can help identify the sodium source. Contact the laboratory for details.

Analyses are representative of the samples submitted

Reviewed and Approved By: Rachel Spaulding
Data Review Coordinator

Explanations of soil analysis terms are available upon request

Rachel Spaulding

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LAB NO: 16990 - 16991
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

CLIENT: PKCC
41493
PAUL REYNOLDS
PO BOX 778
CLARENDON, TX 79226

SOIL ANALYSIS RESULTS FOR: COMAL AG

FIELD IDENTIFICATION:

SUBCONTRACT LABS

BAT Laboratories, Inc.

16990 Cadmium	0.286 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16990 Chromium	8.66 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16990 Copper	14.8 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16990 Lead	11.5 mg/kg	EPA 6010	02/20/2020
16990 Mercury	0.0120 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16990 Molybdenum	0.719 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16990 Nickel	15.8 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16990 Selenium	1.24 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16990 Zinc	63.5 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16990 Arsenic	5.65 mg/kg	EPA 200.8, SW846-6020	02/20/2020

Servi-Tech Laboratories did not analyse the sample for the reported subcontracted results.
The original report from the subcontract lab is available upon request.

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 16990

Servi-Tech Laboratory fertilizer recommendations were not requested.

Lab Number(s): 16990, 16991

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

Lab Number(s): 16991

SODIUM - CAUTION (4% to 7% Na): The exchangeable soil sodium (as % Na) is moderately high for fine-textured soils and may indicate a developing problem. If irrigated, an irrigation water analysis can help identify the sodium source. Contact the laboratory for details.

Lab Number(s): 16991

SODIUM - WARNING (7% to 10% Na): The exchangeable soil sodium (as % Na) is high for fine-textured soils. Typical symptoms of a sodium problem are soil sealing, crusting, and poor water penetration. Applying gypsum may be beneficial, but additional soil analysis may be required to determine the rate. If irrigated, water analysis can help identify the sodium source. Contact the laboratory for more information.

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

Rachel Spaulding



Page 2 of 2

Approved By: Data Review Coordinator

02/24/2020 4:31 pm

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SOIL ANALYSIS REPORT

LAB NO: 16992 - 16993
 INVOICE NO: 155970
 DATE RECEIVED: 01/21/2020
 DATE REPORTED: 02/24/2020

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CLIENT: PKCC
 41493
 PAUL REYNOLDS
 PO BOX 778
 CLARENDON, TX 79226

SOIL ANALYSIS RESULTS FOR: COMAL AG																		
FIELD IDENTIFICATION:																		
Methlich 3 TCP																		
Lab Number	Sample ID	Sample Depth	Water-Soil pH	Water-Soil Sol. Salts mmho/cm	LOI(r)	Cd Reduction	Phosphorus ppm P	Potassium ppm K	Sulfur ppm	Sulfur lb. 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
16992	C2	0 - 6	8.2	0.49	3.3	8.2	48	271	71	128	12400	395	247					
16993	C2	6 - 24	8.5	0.55	1.7	3.3	4	137	38	205	12400	480	531					

METHOD USED:											
Lab Number	Sample ID	Sample Depth	Ammonium Nitrogen ppm	Total N ppm	TKN ppm						
16992	C2	0 - 6	4	1542	1534						
16993	C2	6 - 24	2	578	575						

FERTILIZER RECOMMENDATIONS:																	
Lab Number	Sample ID	Sample Depth	Ammonium Nitrogen ppm	Total N ppm	TKN ppm	Lime, ECC Tons/A to raise pH to:	N	P ₂ O ₅	K ₂ O	Zn	S	Mn	Cu	MgO	B	Ca	Cl
16992	C2	0 - 6	4	1542	1534	6.0	6.5	7.0									
16993	C2	6 - 24	2	578	575												

POUNDS ACTUAL NUTRIENT PER ACRE																	
Lab Number	Sample ID	Sample Depth	Ammonium Nitrogen ppm	Total N ppm	TKN ppm	Lime, ECC Tons/A to raise pH to:	N	P ₂ O ₅	K ₂ O	Zn	S	Mn	Cu	MgO	B	Ca	Cl
16992	C2	0 - 6	4	1542	1534	6.0	6.5	7.0									
16993	C2	6 - 24	2	578	575												

Cation Exchange Capacity											
CEC	%H	%K	%Ca	%Mg	%Na						
30	0	2	83	11	4						
32	0	1	79	13	7						

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: Rachel Spaulding
 Data Review Coordinator

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Rachel Spaulding
 02/24/2020 4:31 pm
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SOIL ANALYSIS REPORT

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LAB NO: 16992 - 16993
INVOICE NO: 155970
DATE RECEIVED: 01/21/2020
DATE REPORTED: 02/24/2020

SOIL ANALYSIS RESULTS FOR: COMAL AG

FIELD IDENTIFICATION:

SUBCONTRACT LABS

BAT Laboratories, Inc.

16992 Cadmium	0.301 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16992 Chromium	9.72 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16992 Copper	19.6 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16992 Lead	12.3 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16992 Mercury	0.0161 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16992 Molybdenum	0.921 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16992 Nickel	16.3 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16992 Selenium	1.23 mg/kg	EPA 200.8, SW-846 6020	02/20/2020
16992 Zinc	85.2 mg/kg	EPA 200.8, SW846-6020	02/20/2020
16992 Arsenic	6.23 mg/kg	EPA 200.8, SW846-6020	02/20/2020

Servi-Tech Laboratories did not analyse the sample for the reported subcontracted results.
The original report from the subcontract lab is available upon request.

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 16992

Servi-Tech Laboratory fertilizer recommendations were not requested.

Lab Number(s): 16992, 16993

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

Lab Number(s): 16992, 16993

SODIUM - CAUTION (4% to 7% Na): The exchangeable soil sodium (as % Na) is moderately high for fine-textured soils and may indicate a developing problem. If irrigated, an irrigation water analysis can help identify the sodium source. Contact the laboratory for details.

Lab Number(s): 16993

SODIUM - WARNING (7% to 10% Na): The exchangeable soil sodium (as % Na) is high for fine-textured soils. Typical symptoms of a sodium problem are soil sealing, crusting, and poor water penetration. Applying gypsum may be beneficial, but additional soil analysis may be required to determine the rate. If irrigated, water analysis can help identify the sodium source. Contact the laboratory for more information.

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

Rachel Spaulding

Rachel Spaulding

Page 2 of 2

Approved By: Data Review Coordinator

02/24/2020 4:31 pm

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Lab SampleRange: 16975-16993

Amarillo: Soil Data Quality Control Report

FIA

Soil: Exchangeable Ammonium-Nitrogen (FIA) Jan 22 2020 7:46AM Batch: A Instrument: AMA-LACHAT QuikChem 8500

Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)		
CCV	7.7	7.9											422	7.7	0.7	0.7	8.6	8.6		7.2 - 8.8	1	2	3
MB	-0.3	-0.5											394	0.3	0.8	0.8				-0.5 - 0.5			
D	11.4	12.5											164	12.0	1.1	1.0	9.1	8.0		10.1 - 13.9	30	4	1
S	14.0	13.7											164	13.0	1.0	1.0	8.0	7.4		11.1 - 14.9	35	4	0
OKE	6.1	5.4											12	5.6	0.7	0.5	11.7	8.9		4.5 - 6.5	25	8	0

LAB # 16975

ORIGINAL 4.6

DUPLICATE 4.6

% RD 1.3

Outliers

1 SD

2 SD

3 SD

Blinds

All QCs

6/6 100.0%

6/6 100.0%

6/6 100.0%

Acceptable

(>=33.3%)

(>=66.7%)

(100%)

Reject

(<25%)

(<75%)

Total Adjusted Outliers (>66.7%) 11/11 100.0%

Agronomic Relevance 2

Order of Analysis: OKE-1, S-1, D-1, CCV-1, MB-1, 16975-16993, >16975, MB-2, OKE-2, S-2, D-2, CCV-2

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/22/2020 1:53 pm	rachel.spaulding	Signer	
Y	01/22/2020 1:53 pm	rachel.spaulding	Peer	
Y	01/22/2020 11:13 am	AmyW	Analyst	

[X] ACCEPTABLE: May release all data upon final review of individual results.

[] CAUTION: May release some or all data upon intense scrutiny of individual results.

[] REJECTION: Hold all data and re-analyse part or all data.

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.
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Printed: 1/28/2020 10:59 pm

Lab SampleRange: 16975-16993

Amarillo: Soil Data Quality Control Report

F/A

Soil: Exchangeable Ammonium-Nitrogen (FIA) Jan 22 2020 7:46AM 619296 Batch: A Instrument: AMA-LACHAT QuikChem 8500

Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)	
CCV	7.7	7.9											422	7.7		0.7	8.6		7.2 - 8.8		
MB	-0.3	-0.5											394	0.3		0.8			-0.5 - 0.5		
D	11.4	12.5											164	12.0	12.0	1.1	1.0	9.1	8.0	10.1 - 13.9	30
S	14.0	13.7											164	13.0	13.0	1.0	1.0	8.0	7.4	11.1 - 14.9	35
OKE	6.1	5.4											12	5.6	5.5	0.7	0.5	11.7	8.9	4.5 - 6.5	25

LAB # 16975
 ORIGINAL 4.6
 DUPLICATE 4.6
 % RD 1.3

Outliers
 1 SD
 2 SD
 3 SD

Blinds
 6/6 100.0%
 6/6 100.0%
 6/6 100.0%

All QCs
 6/6 100.0%
 6/6 100.0%
 6/6 100.0%

Acceptable
 (>=33.3%)
 (>=66.7%)
 (100%)

Reject
 (<25%)
 (<75%)

Total Adjusted Outliers (>66.7%) 11/11 100.0%
Agronomic Relevance 2

Order of Analysis: OKE-1, S-1, D-1, CCV-1, MB-1, 16975-16993, >16975, MB-2, OKE-2, S-2, D-2, CCV-2

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/22/2020 1:53 pm	rachel.spaulding	Signer	
Y	01/22/2020 1:53 pm	rachel.spaulding	Peer	
Y	01/22/2020 11:13 am	AmyW	Analyst	

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Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STDL	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)
CCV	4.8	4.8	4.7	4.8	4.9	4.9	4.9						2,212	4.8		0.4		8.1		4.5 - 5.5	3
MB	0.3	0.3											1,030	0.3		1.9				-0.5 - 0.5	
D	5.7	5.6	5.4	5.1	5.7								605	5.8	5.8	0.4	0.3	6.9	5.7	5.2 - 6.5	28
S	4.8	5.0	4.7	5.0	4.8								597	5.1	5.1	0.5	0.3	8.8	6.8	4.4 - 5.8	21
OKE	11.9	11.6	12.0	12.0									95	11.9	11.9	0.7	0.4	5.6	3.8	11.0 - 12.8	22

LAB # 17004 17096 17139
 ORIGINAL 14.7 6.8 9.4
 DUPLICATE 14.3 5.7 9.4
 % RD 2.5 17.3 0.6

Outliers **Blinds** **All QCs** **Acceptable** **Reject**
 1 SD 12/14 85.7% (>=33.3%)
 2 SD 14/14 100.0% (>=66.7%) (<25%)
 3 SD 14/14 100.0% (100%) (<75%)

Total Adjusted Outliers (>66.7%) 24/25 96.0%
 Agronomic Relevance 1

Order of Analysis: S-1, D-1, OKE-1, CCV-1, MB-1, 16636, 16638, 16797-16798, 16847-16848, 16912, 16926-16946, S-2, 16947-16978, D-2, CCV-2, 16979-17009, OKE-2, 17010-17041, S-3, CCV-3, 17042-17072, D-3, 17073-17104, OKE-3, CCV-4, 17105-17135, S-4, 17136-17167, D-4, CCV-5, 17168-17175, >17004, >17096, >17139, MB-2, OKE-4, S-5, D-5, CCV-6

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/22/2020 2:01 pm	rachel.spaulding	Signer	
Y	01/22/2020 1:58 pm	rachel.spaulding	Peer	
Y	01/22/2020 1:09 pm	AmyW	Analyst	

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Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)	
CCV	1.409	1.407	1.415										0								
OKE	0.141	0.153	0.143										23	0.149	0.147	0.016	0.008	10.6	5.4	0.131 - 0.162	1 2 3

LAB #	16976	16979	16983
ORIGINAL	0.162	0.515	0.614
DUPLICATE	0.135	0.577	0.618
% RD	18.8	11.4	0.6

Outliers	Blinds	All QCs	Acceptable	Reject	Total Adjusted Outliers (>66.7%)
1 SD		3/3 100.0%	(>=33.3%)	(<25%)	7/9 77.8%
2 SD		3/3 100.0%	(>=66.7%)	(<75%)	
3 SD		3/3 100.0%	(100%)		

Order of Analysis: 16975-16981, >16976, CCV-1, OKE-1, 16982-16988, >16979, CCV-2, OKE-2, 16989-16993, >16983, CCV-3, OKE-3

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/22/2020 1:51 pm	rachel.spaulding	Signer	
Y	01/22/2020 1:51 pm	rachel.spaulding	Peer	
Y	01/22/2020 9:34 am	AuroraD	Analyst	

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Lab SampleRange: 16975-16993

Soil: pH Water-Soil (2:1)

Amarillo: Soil Data Quality Control Report
 Jan 22 2020 7:52AM Batch: A Instrument: Amarillo Auto pH

pH Electrode

Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)				
CCV	4.17	4.13	4.17										715	4.13	0.13	0.13	3.1	3.80 -	4.40	1	2	3		
OKE	5.76	5.78	5.81										23	5.70	5.69	0.10	0.08	1.7	1.4	5.53 -	5.85	30	4	0

LAB # 16976 16979 16983
 ORIGINAL 8.09 8.45 8.22
 DUPLICATE 8.10 8.46 8.22
 % RD 0.0 0.1 0.0

Outliers
 1 SD
 2 SD
 3 SD

Blinds

All QCs
 2/3 66.7%
 3/3 100.0%
 3/3 100.0%

Acceptable
 (>=33.3%)
 (>=66.7%)
 (100%)

Reject
 (<25%)
 (<75%)

Total Adjusted Outliers (>66.7%) 9/9 100.0%

Order of Analysis: 16975-16981, >16976, CCV-1, OKE-1, 16982-16988, >16979, CCV-2, OKE-2, 16989-16993, >16983, CCV-3, OKE-3

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/22/2020 1:51 pm	rachel.spaulding	Signer	
Y	01/22/2020 1:51 pm	rachel.spaulding	Peer	
Y	01/22/2020 9:34 am	AuroraD	Analyst	

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Lab SampleRange: 16630-17175

Amarillo: Soil Data Quality Control Report

ICP

Soil: Mehlich 3 Extractable Phosphorus (ICP) Jan 22 2020 7:53AM Batch: A Instrument: AMA-Varian ICP

Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)
CCV	21.2	20.9	20.7	20.7	21.0	20.9							2,099	20.4		0.7		3.3		18.0 - 22.0	1
MB	<u>2.6</u>	<u>2.4</u>											1,036	1.0		1.4				-0.2 - 0.2	2
FRB	0.1	0.4											0								3
D	51.6	53.6	48.0	50.5	53.1								588	51.7	51.5	2.5	2.2	4.8	4.2	47.2 - 55.9	30
S	50.3	<u>53.7</u>	49.1	49.9	49.0								577	47.9	47.9	2.1	1.8	4.4	3.7	44.4 - 51.5	31
OKE	29.1	27.2	27.4	25.5									100	27.7	27.5	1.8	1.3	6.4	4.9	24.9 - 30.2	25

LAB # 16992 17084 17131

ORIGINAL 48.5 9.6 126.6
 DUPLICATE 74.8 10.3 125.4
 % RD 42.7 6.7 0.9

Outliers **Blinds** **All QCs** **Acceptable** **Reject** **Total Adjusted Outliers (>66.7%)** **23/27 85.2%**
 1 SD 10/14 71.4% (>=33.3%) (<25%)
 2 SD 13/14 92.9% (>=66.7%) (<75%)
 3 SD 14/14 100.0% (100%)

Order of Analysis: FRB-1, FRB-2, S-1, D-1, OKE-1, CCV-1, MB-1, 16630, 16633, 16636-16637, 16669, 16675-16676, 16682, 16707, 16734, 16740-16741, 16758, 16776, 16780, 16799, 16809, 16867, 16912, 16926-16932, S-2, 16933-16964, D-2, CCV-2, 16965-16995, OKE-2, 16996-17027, S-3, CCV-3, 17028-17058, D-3, 17059-17090, OKE-3, CCV-4, 17091-17121, S-4, 17122-17153, D-4, CCV-5, 17154-17175, >16992, >17084, >17131, MB-2, OKE-4, S-5, D-5, CCV-6

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/22/2020	rachel.spaulding	Signer	
Y	01/22/2020	rachel.spaulding	Peer	
Y	01/22/2020	CaseyJ	Analyst	

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Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STDL	RSTD1	RSTDL	Acceptable Range	Outliers LT(%)
CCV	51	50	49	49	51	51							2,099	50		2	3.5			45 - 55	1 2 3
MB	5	6											1,036	7		8				-1 - 10	
FRB	3	4											0								
D	476	477	448	447	475								588	476	475	28	24	6.0	5.1	427 - 524	30 4 1
S	323	311	299	307	323								577	305	304	17	14	5.4	4.7	276 - 332	31 5 1
OKE	264	255	252	245									100	264	263	11	10	4.3	4.0	242 - 284	32 2 1

LAB #	16992	17084	17131
ORIGINAL	271	398	431
DUPLICATE	259	376	428
% RD	4.6	5.7	0.7

Outliers
 1 SD
 2 SD
 3 SD

Blinds

All QCs
 9/14 64.3%
 14/14 100.0%
 14/14 100.0%

Acceptable (>=33.3%)
Reject (<25%)
 (<75%)

Total Adjusted Outliers (>66.7%) 27/27 100.0%

Agronomic Relevance 10

Order of Analysis: FRB-1, FRB-2, S-1, D-1, OKE-1, CCV-1, MB-1, 16630, 16633, 16636-16637, 16669, 16675-16676, 16682, 16707, 16734, 16740-16741, 16758, 16776, 16780, 16799, 16809, 16867, 16912, 16926-16932, S-2, 16933-16964, D-2, CCV-2, 16965-16995, OKE-2, 16996-17027, S-3, CCV-3, 17028-17058, D-3, 17059-17090, OKE-3, CCV-4, 17091-17121, S-4, 17122-17153, D-4, CCV-5, 17154-17175, >16992, >17084, >17131, MB-2, OKE-4, S-5, D-5, CCV-6

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/22/2020 1:56 pm	rachel.spaulding	Signer	
Y	01/22/2020 1:55 pm	rachel.spaulding	Peer	
Y	01/22/2020 1:48 pm	CaseyJ	Analyst	

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Lab SampleRange: 16630-17175

Amarillo: Soil Data Quality Control Report

ICP

Soil: Mehlich 3 Extractable Calcium (ICP) Jan 22 2020 7:53AM Batch: A Instrument: AMA-Varian ICP

Sample	Count												Acceptable Range			Outliers LT(%)								
	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STDL	RSTD1	RSTDL	1	2	3		
CCV	252	251	246	248	254	252							2,099	250		8		3.3		225 -	275			
MB	111	138											1,036	78		59		75.8		-5 -	50			
FRB	31	29											0											
D	3,065	3,028	2,879	2,939	3,058								588	3,005	2,998	168	143	5.6	4.8	2,711 -	3,284	31	3	0
S	1,910	1,872	1,818	1,843	1,928								577	1,791	1,789	98	88	5.5	4.9	1,614 -	1,964	34	4	0
OKE	1,890	1,845	1,854	1,901									100	1,934	1,929	73	67	3.8	3.5	1,795 -	2,063	33	3	0

LAB # 16992 17084 17131
 ORIGINAL 12400 2249 2808
 DUPLICATE 12220 2348 2784
 % RD 1.5 4.3 0.9

Outliers
 1 SD
 2 SD
 3 SD

Blinds
 10/14 71.4%
 14/14 100.0%
 14/14 100.0%

All QCs

Acceptable
 (>=33.3%)
 (>=66.7%)
 (100%)

Reject
 (<25%)
 (<75%)

Total Adjusted Outliers (>66.7%) 25/27 92.6%

Agronomic Relevance 25

Order of Analysis: FRB-1, FRB-2, S-1, D-1, OKE-1, CCV-1, MB-1, 16630, 16633, 16636-16637, 16669, 16675-16676, 16682, 16707, 16734, 16740-16741, 16758, 16776, 16780, 16799, 16809, 16867, 16912, 16926-16932, S-2, 16933-16964, D-2, CCV-2, 16965-16995, OKE-2, 16996-17027, S-3, CCV-3, 17028-17058, D-3, 17059-17090, OKE-3, CCV-4, 17091-17121, S-4, 17122-17153, D-4, CCV-5, 17154-17175, >16992, >17084, >17131, MB-2, OKE-4, S-5, D-5, CCV-6

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/22/2020 1:56 pm	rachel.spaulding	Signer	
Y	01/22/2020 1:55 pm	rachel.spaulding	Peer	
Y	01/22/2020 1:48 pm	CaseyJ	Analyst	

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Lab SampleRange: 16630-17175

Amarillo: Soil Data Quality Control Report

ICP

Soil: Mehlich 3 Extractable Magnesium (ICP) Jan 22 2020 7:53AM Batch: A Instrument: AMA-Varian ICP

Sample	Count												Acceptable Range			Outliers LT(%)							
	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STD1	RSTD1	RSTD1	1	2	3	
CCV	52	50	49	51	51	50							2,099	50		2	3.1		45 - 55				
MB	7	10											1,036	2		5			-2 - 15				
FRB	7	6											0										
D	476	468	438	447	462								588	465	464	26	23	5.7	4.9	419 - 509	29	3	0
S	251	250	239	240	266								577	237	237	13	12	5.6	5.0	213 - 260	34	4	0
OKE	680	670	660	655									100	688	686	25	22	3.7	3.1	643 - 730	29	4	1

LAB # 16992 17084 17131
 ORIGINAL 395 588 659
 DUPLICATE 404 566 652
 % RD 2.4 3.7 1.1

Outliers
 1 SD 9/14 64.3%
 2 SD 13/14 92.9%
 3 SD 14/14 100.0%

Blinds
 9/14 64.3%
 13/14 92.9%
 14/14 100.0%

Acceptable (>=33.3%)
Reject (<25%)
 (<75%)

Total Adjusted Outliers (>66.7%) 26/27 96.3%

Agronomic Relevance 10

Order of Analysis: FRB-1, FRB-2, S-1, D-1, OKE-1, CCV-1, MB-1, 16630, 16633, 16636-16637, 16669, 16675-16676, 16682, 16707, 16734, 16740-16741, 16758, 16776, 16780, 16799, 16809, 16867, 16912, 16926-16932, S-2, 16933-16964, D-2, CCV-2, 16965-16995, OKE-2, 16996-17027, S-3, CCV-3, 17028-17058, D-3, 17059-17090, OKE-3, CCV-4, 17091-17121, S-4, 17122-17153, D-4, CCV-5, 17154-17175, >16992, >17084, >17131, MB-2, OKE-4, S-5, D-5, CCV-6

Missing Samples:

Approved	Date / Time	Name	Type	Comment
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Y	01/22/2020 1:55 pm	rachel.spaulding	Peer	
Y	01/22/2020 1:48 pm	CaseyJ	Analyst	

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Lab SampleRange: 16630-17175

Amarillo: Soil Data Quality Control Report

ICP

Jan 22 2020 7:53AM Batch: A Instrument: AMA-Varian ICP

Soil: Mehlich 3 Extractable Sodium (ICP)

Sample	Count												Acceptable Range		Outliers LT(%)										
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3										
CCV	20.5	19.9	19.4	19.6	20.0	19.9							2,099	20.0	3.9	18.0 -	22.0								
MB	3.2	1.3											1,036	0.4	2.0	-1.0 -	10.0								
FRB	5.5	4.9											0												
D	40.8	38.8	41.2	36.7	39.6								588	38.8	38.7	2.8	2.2	7.3	5.8	34.2	-	43.2	24	4	1
S	19.0	18.3	16.5	17.4	18.4								577	16.5	16.3	2.2	1.4	13.3	8.8	13.4	-	19.1	16	3	2
OKE	53.0	50.5	49.1	52.1									100	51.9	52.0	2.3	2.0	4.5	3.9	48.0	-	56.0	29	5	1

LAB # 16992 17084 17131

ORIGINAL 247.1 104.5 158.0

DUPLICATE 260.1 104.6 158.6

% RD 5.1 0.1 0.4

Outliers	Blinds	All QCs	Acceptable	Reject	Total Adjusted Outliers (>66.7%)	Agronomic Relevance
1 SD		12/14 85.7%	(>=33.3%)	(<25%)	27/27 100.0%	5
2 SD		14/14 100.0%	(>=66.7%)	(<75%)		
3 SD		14/14 100.0%	(100%)			

Order of Analysis: FRB-1, FRB-2, S-1, D-1, OKE-1, CCV-1, MB-1, 16630, 16633, 16636-16637, 16669, 16675-16676, 16682, 16707, 16734, 16740-16741, 16758, 16776, 16780, 16799, 16809, 16867, 16912, 16926-16932, S-2, 16933-16964, D-2, CCV-2, 16965-16995, OKE-2, 16996-17027, S-3, CCV-3, 17028-17058, D-3, 17059-17090, OKE-3, CCV-4, 17091-17121, S-4, 17122-17153, D-4, CCV-5, 17154-17175, >16992, >17084, >17131, MB-2, OKE-4, S-5, D-5, CCV-6

Missing Samples:

Approved	Date / Time	Name	Type	Comment
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Y	01/22/2020 1:56 pm	rachel.spaulding	Peer	
Y	01/22/2020 1:48 pm	CaseyJ	Analyst	

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Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)
CCV	2.2	2.3	2.0	2.2	2.4	2.3							2,099	2.1		0.1	6.4			1.8 - 2.2	1 2 3
MB	-0.5	0.1											1,036	0.3		1.5				-1.0 - 1.0	
FRB	1.3	0.5											0								
D	21.0	19.6	19.0	18.4	20.6								588	20.6	20.4	2.1	1.6	10.2	7.9	17.2 - 23.7	23 3 2
S	17.6	15.9	16.5	15.3	17.2								577	17.1	16.6	9.2	1.9	53.9	11.2	12.8 - 20.3	1 0 0
OKE	10.8	12.2	11.0	10.9									100	11.6	11.5	1.1	1.1	9.5	9.1	9.4 - 13.6	36 2 0

LAB # 16992 17084 17131
 ORIGINAL 71.2 7.2 38.8
 DUPLICATE 78.7 9.0 37.1
 % RD 10.0 22.2 4.5

Outliers
 1 SD 13/14 92.9%
 2 SD 14/14 100.0%
 3 SD 14/14 100.0%

Blinds

All QC's

Acceptable (>=33.3%)
Reject (<25%) (<75%)
 (>=66.7%) (100%)

Total Adjusted Outliers (>66.7%) 24/27 88.9%

Agronomic Relevance 5

Order of Analysis: FRB-1, FRB-2, S-1, D-1, OKE-1, CCV-1, MB-1, 16630, 16633, 16636-16637, 16669, 16675-16676, 16682, 16707, 16734, 16740-16741, 16758, 16776, 16780, 16799, 16809, 16867, 16912, 16926-16932, S-2, 16933-16964, D-2, CCV-2, 16965-16995, OKE-2, 16996-17027, S-3, CCV-3, 17028-17058, D-3, 17059-17090, OKE-3, CCV-4, 17091-17121, S-4, 17122-17153, D-4, CCV-5, 17154-17175, >16992, >17084, >17131, MB-2, OKE-4, S-5, D-5, CCV-6

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/22/2020 1:56 pm	rachel.spaulding	Signer	
Y	01/22/2020 1:56 pm	rachel.spaulding	Peer	
Y	01/22/2020 1:48 pm	CaseyJ	Analyst	

[X] ACCEPTABLE: May release all data upon final review of individual results.
 [] CAUTION: May release some or all data upon intense scrutiny of individual results.
 [] REJECTION: Hold all data and re-analyse part or all data.

Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)	
CCV	1.409												0								
OKE	0.150												26	0.149	0.146	0.015	0.008	10.1	5.2	0.131 - 0.162	8

LAB #	16991
ORIGINAL	0.550
DUPLICATE	0.535
% RD	2.8

Outliers	Blinds	All LQCs	Acceptable	Reject	Total Adjusted Outliers (>66.7%)
1 SD	1/1	100.0%	(>=33.3%)	(<25%)	3/3 100.0%
2 SD	1/1	100.0%	(>=66.7%)	(<75%)	
3 SD	1/1	100.0%	(100%)		

Order of Analysis: 16991, 16993, >16991, CCV-1, OKE-1
 Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/23/2020 2:21 pm	rachel.spaulding	Signer	
Y	01/23/2020 2:21 pm	rachel.spaulding	Peer	
Y	01/23/2020 8:35 am	AuroraD	Analyst	

[X] ACCEPTABLE: May release all data upon final review of individual results.
 [] CAUTION: May release some or all data upon intense scrutiny of individual results.
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Lab SampleRange: 16991-16993

Soil: pH Water-Soil (2:1)

Amarillo: Soil Data Quality Control Report
 Jan 23 2020 7:22AM Batch: A Instrument: Amarillo Auto pH

pH Electrode

Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)
CCV	4.15												718	4.13		0.13		3.1		3.80 - 4.40	1
OKE	5.82												26	5.71	5.70	0.10	0.08	1.7	1.4	5.54 - 5.86	31
LAB #	16991																				
ORIGINAL	8.51																				
DUPLICATE	8.49																				
% RD	0.2																				

Outliers
 1 SD 0/1 0.0%
 2 SD 1/1 100.0%
 3 SD 1/1 100.0%

Blinds

All QC's
 0/1 0.0%
 1/1 100.0%
 1/1 100.0%

Acceptable (>=33.3%)
Reject (<25%)
 (<75%)

Total Adjusted Outliers (>66.7%) 3/3 100.0%

Order of Analysis: 16991, 16993, >16991, CCV-1, OKE-1

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/23/2020 2:21 pm	rachel.spaulding	Signer	
Y	01/23/2020 2:21 pm	rachel.spaulding	Peer	
Y	01/23/2020 8:35 am	AuroraD	Analyst	

[] ACCEPTABLE: May release all data upon final review of individual results.
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Printed: 1/28/2020 11:00 pm

Lab SampleRange: 16976-16991

Soil: TKN (Distillation/Titration)

Jan 27 2020 7:25AM 619779 Batch: C

Mettler Toledo MS3002TS; AMA-Titrino Plus848

Distillation/Titrator

Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)
MB	0												294	0	0	0	0	0	0	-10 - 10	1 2 3
LCS	820												21	738		98		13.3		670 - 990	
LCS		1,585											22	1,530		42		2.7		1,130 - 1,810	

LAB # 16976

ORIGINAL 942

DUPLICATE 1004

% RD 6.4

Outliers
 1 SD
 2 SD
 3 SD

Blinds

All QCs

Acceptable (>=33.3%)
 (>=66.7%)
 (100%)

Reject (<25%)
 (<75%)

Total Adjusted Outliers (>66.7%) 4/4 100.0%

Order of Analysis: MB-1, LCS-1, LCS-2, 16976, >16976, 16977, 16978-16991

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/28/2020 10:57 am	rachel.spaulding	Signer	
Y	01/28/2020 10:57 am	rachel.spaulding	Peer	
Y	01/28/2020 7:12 am	WisdomE	Analyst	

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Lab SampleRange: 16992-16993

Soil: TKN (Distillation/Titration)

Amarillo: Soil Data Quality Control Report

Distillation/Titration

Jan 28 2020 5:11AM 619923 Batch: A Mettler Toledo MS3002TS; AMA-Titrino Plus848

Sample	1	2	3	4	5	6	7	8	9	10	11	12	Count	X1	XL	STD1	STD1	RSTD1	RSTD1	Acceptable Range	Outliers LT(%)
MB	0												296	0	0	0	0	0	0	-10 - 10	3
LCS	831												23	745	96	12.9	12.9	12.9	12.9	670 - 990	2
LCS	1,495												24	1,533	42	2.7	2.7	2.7	2.7	1,130 - 1,810	1

LAB # 16992

ORIGINAL 1534

DUPLICATE 1387

% RD 10.1

Outliers	Blinds	All QCs	Acceptable	Reject	Total Adjusted Outliers (>66.7%)
1 SD			(>=33.3%)		3/4 75.0%
2 SD			(>=66.7%)	(<25%)	
3 SD			(100%)	(<75%)	

Order of Analysis: MB-1, LCS-1, LCS-2, 16992, >16992, 16993

Missing Samples:

Approved	Date / Time	Name	Type	Comment
Y	01/28/2020 10:58 am	rachel.spaulding	Signer	
Y	01/28/2020 10:58 am	rachel.spaulding	Peer	
Y	01/28/2020 10:31 am	WisdomE	Analyst	
[]	ACCEPTABLE: May release all data upon final review of individual results.			
[X]	CAUTION: May release some or all data upon intense scrutiny of individual results.			
[]	REJECTION: Hold all data and re-analyse part or all data.			

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ATTACHMENT G

**On-Site Storage Information
Appendix C, Item A & Items D-F**

ATTACHMENT G

SANTA RITA LAND AND CATTLE HOLDINGS, LTD, AND COMAL AG OPERATIONS, LLC SITE REGISTRATION FOR BENEFICIAL USE OF DOMESTIC SEPTAGE RENEWAL APPLICATION ON-SITE STORAGE

On February 20, 2019, Santa Rita Land and Cattle Holdings, Ltd., and Comal Ag Operations, LLC, (Santa Rita and CAO) settled on an Agreed Order with the Texas Commission on Environmental Quality (TCEQ). Santa Rita and CAO will continue to operate as specified in the Agree Order, including the following requirements specific to the staging area.

A. Staging Area and Equipment

1. Domestic septage shall be staged only in staging tanks located within the staging area.
2. Staging tanks, the staging area, and related equipment shall be maintained in a safe and sanitary condition.
3. Staging tanks shall each be individually labeled with a unique identifier.
4. The staging area shall not have a capacity for domestic septage in excess of the Maximum 7-Day Staging Volume.

B. Staging Period

1. CAO and Santa Rita may stage domestic septage prior to land application (a) for a maximum of seven (7) calendar days from receipt, or (b) up to twenty-one (21) calendar days from receipt with the prior written approval of the TCEQ San Antonio Regional Office (Region 13).
2. If CAO and Santa Rita are unable to apply staged domestic septage to the authorized land application area within seven (7) days from receipt, or within any alternative time frame approved by the TCEQ San Antonio Regional Office (Region 13), CAO shall:
 - a. Conduct a pump and haul operation of any and all domestic septage for which the authorized staging period has expired;
 - b. Dispose of the septage at an authorized facility; and
 - c. Notify the Water Section Manager of the TCEQ San Antonio Regional Office in writing at the address listed in Ordering Provision No. 2.d. of the Order within 10 days after the expiration of the authorized staging period. The notification should include details of the pump and haul operation and authorized disposal, including volume (in gallons) of septage involved and location(s) of authorized disposal.

C. Staging Volume

1. CAO and Santa Rita shall not stage more than the Maximum 7-day Staging Volume at any one time.
2. The "Maximum 7-day Staging Volume" is equal to 3,402 gallons of domestic septage for every acre containing sufficient vegetative cover at the time of staging, or:
Maximum 7-Day Staging Volume = (3,402 Gallons) x (Acreage with sufficient vegetative cover).
3. CAO and Santa Rita shall maintain at the Site a list of authorized facilities in the area available to accept domestic septage transport loads.

D. Site Management Procedures

1. Washout of any tank, container, or land application equipment containing domestic septage which meets all standards for beneficial use land application shall be performed within the authorized land application area and in accordance with all land application procedures required under this SOP and by applicable rule, statute, or the Registration.
2. Washout of any tank, container, or land application equipment containing domestic septage shall include triple rinsing.
3. Wash waters resulting from the washout of any tank, container, or land application equipment shall be contained and disposed of in an authorized manner.