

INSTRUCTIONS AND APPLICATION TO REGISTER A SITE FOR BENEFICIAL LAND APPLICATION OF DOMESTIC SEPTAGE

GENERAL INFORMATION

1. This form is to be used to:
 - **Register a new** Beneficial Land Use (BLU) site to land apply Domestic Septage.
 - Submit a **Major Amendment** to change acreage, to add a new type of waste, to change storage provisions or to make any other substantive change to a registered BLU site to land apply Domestic Septage.
 - **Renew** an existing BLU registration site to land apply Domestic Septage (all parts must be completed except map and list of adjacent landowners).

Please note that this application must be submitted by the site operator before a site can be registered under the rules regarding land application, which are codified as Title 30 of the Texas Administrative Code Chapter 312 (30 TAC 312).

2. **The mailing address for submitting an application for registration:**

Texas Commission on Environmental Quality
ATTN: Customer Information and Applications Processing Section
Applications Review and Processing Team (MC148)
P.O. Box 13087
Austin, Texas 78711-3087

For Hand Delivery, the physical address is:

Texas Commission on Environmental Quality
ATTN: Customer Information and Applications Processing Section
Applications Review and Processing Team (MC148)
12100 Park 35 Circle
Building F, Room 2101
Austin, Texas 78753

For Express Mail, the address is:

Texas Commission on Environmental Quality
ATTN: Customer Information and Applications Processing Section
Applications Review and Processing Team (MC148)
12100 Park 35 Circle
Austin, Texas 78753

3. **Telephone Inquiries:**

(512) 239-4671	Municipal Permits Team, for technical and administrative questions.
(512) 239-0600	Legal Division
(512) 239-0900	Records Management (to obtain copies of documents on file with the TCEQ.)

GENERAL FILING REQUIREMENTS AND INFORMATION

1. This application form has been designed to solicit specific information, with reports to be attached or inserted. A response must be made for each information request in the application form. **Print or type** legibly and complete all sections that apply. If an item is not applicable, please state "not applicable" and explain. Falsification of any information is justification for denial of the registration, fine or imprisonment (Title 30 of the Texas Administrative Code [30 TAC] Section 305.44).
2. The completed application must be submitted as **one (1) original set and three (3) complete copies including all attachments, maps and any cover letter.** Renewals need only submit two (2) complete copies with the original. Failure to submit the required number of originals or copies, or to provide complete information, will prevent processing of the request for registration.
3. Please cross reference all attachments to the corresponding item in the application form. For instance, when attaching a supplemental report, indicate next to the appropriate question(s) on the application form where the information is to be found (such as "Attachment A"). Also mark the supplemental report with the item number and page number of the application that relates to the report. Application processing may be delayed if the reviewer must search for the necessary information.
4. **For All Applications:**
Submit soil analytical reports for the application area per Appendix B. Include reports for both depth zones (0"-6" and 6"-24"). Submit copies of the laboratory reports for the required soil tests. For renewals, soil tests do not have to be run for areas where no septage has been applied since the original application was filed, but the tests for metal contaminants is required.

PROCEDURAL INFORMATION

1. The Executive Director's staff will review the application to make sure it is administratively complete. The review staff may request additional information to complete or clarify questions. An incomplete application will be returned (30 TAC Section 281.18) if adequate information is not provided in a timely manner.
2. After the application is administratively complete, the Office of Chief Clerk will send a notice of receipt and administrative completeness to the adjacent landowners (not applicable for renewal applications), state agencies, and county officials. A complete copy of the application with a copy of the notice of receipt and administrative completeness will be sent to the applicant's County Judge by the Office of Chief Clerk.
3. After the 30 day comment period (not applicable for renewal applications), the review staff will respond to any comments submitted concerning the site and begin the technical review.
4. The Commission encourages the applicant to contact interested parties and the public prior to filing the application to initiate a pre-application meeting to provide a forum where controversial areas or concerns may be resolved.

APPLICABLE RULES

- Chapter 312 - Sludge Use, Disposal, and Transportation
- Chapter 281 - Applications Processing
- Chapter 50 - Actions on Permits and Other Authorizations
- Chapter 305 - Consolidated Permits.

Both printed and diskette copies of TCEQ rules are available through TCEQ Agency Publications. The initial copy is free and the customer is allowed to reproduce as many additional copies as needed.

The Rules are also available through the TCEQ web site on the World Wide Web at URL: http://www.tceq.texas.gov/nav/rules/rules_rulemaking.html or through the State of Texas web site at URL:

[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.ViewTAC?tac_view=3&ti=30&pt=1](http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=3&ti=30&pt=1)

GENERAL DEFINITIONS (FROM 30 TAC SECTION 312.8)

Agricultural Management Unit - A portion of land application area contained within an identifiable boundary, such as a river, fence, or road, where the area has a known crop or land use history.

Agronomic rate - The whole sludge application rate (dry weight basis) designed: (A) to provide the amount of nitrogen needed by the crop or vegetation grown on the land; and (B) to minimize the amount of nitrogen in the sewage sludge that passes below the root zone of the crop or vegetation grown on the land to the groundwater.

Beneficial Use - Placement of domestic septage onto land in a manner which complies with the requirements of Subchapter B of this chapter (relating to Land Application for Beneficial Use), and does not exceed the agronomic need or rate for a cover crop or any metal or toxic constituent limitations which the cover crop may have.

CFR - Code of Federal Regulations.

Commission - The Texas Commission on Environmental Quality.

Domestic septage - Either liquid or solid material removed from a septic tank, cesspool, portable toilet, Type III marine sanitation device, or similar treatment works that receives only domestic sewage. Domestic septage does not include liquid or solid material removed from a septic tank, cesspool, or similar treatment works that receives either commercial wastewater or industrial wastewater and does not include grease removed from a grease trap.

Dry weight basis - Calculated on the basis of having been dried at 105 degrees Celsius until reaching a constant mass (i.e., essentially 100% solids content).

EPA - The United States Environmental Protection Agency.

Executive Director - The executive director of the Texas Commission on Environmental Quality or his /her designee.

Facility - Includes all contiguous land, structures, other appurtenances, and improvements on the land used for the surface disposal, land application for beneficial use, or incineration of sewage sludge.

Groundwater - Water below the land surface in the saturated zone.

Industrial wastewater - Wastewater generated in a commercial or industrial process.

Land Application - The spraying or spreading of septage onto the land surface; the injection of sewage sludge below the land surface; or the incorporation of septage into the soil so that the septage can either condition the soil or fertilize crops or vegetation grown in the soil.

Off-site - Property which cannot be characterized as "on-site".

On-site - The same or contiguous property owned, controlled, or supervised by the same person. If the property is divided by public or private right-of-way, the access shall be by crossing the right-of-way or the right-of-way shall be under the control of the person.

Operator - The person responsible for the overall operation of a facility or beneficial use site.

Owner - The person who owns a facility or part of a facility.

Person - An individual, association, partnership, corporation, municipality, state or federal agency, or an agent or employee thereof.

Process or Processing - For the purposes of this chapter, these terms shall have the same meaning as "treat" or "treatment".

Sewage Sludge - Solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in treatment works. Sewage sludge includes, but is not limited to, domestic septage, scum, or solids removed in primary, secondary, or advanced wastewater treatment processes; and material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sludge incinerator or grit and screenings generated during preliminary treatment of domestic sewage in a treatment works.

Transporter - Any person who collects, conveys, or transports sewage sludge, water treatment plant sludges, grit trap waste, grease trap waste, chemical toilet waste and/or septage by roadway, ship, rail, or other means.

Vector attraction - The characteristic of sewage sludge that attracts rodents, flies, mosquitoes, or other organisms capable of transporting infectious agents.

Additional definitions are provided in 30 TAC Section 312.8.

INSTRUCTIONS FOR FILLING OUT THE APPLICATION FORM

1. APPLICANT INFORMATION

a. Registrant Information

Legal Name

Provide the current legal name of the registrant, as authorized to do business in Texas. The name must be provided exactly as filed with the Texas Secretary of State (SOS), or on other legal documents forming the entity, that is filed in the county where doing business. You may contact the SOS at 512/463-5555, for more information related to filing in Texas. If filed in the county where doing business, provide a copy of the legal documents showing the legal name.

Customer Number (CN)

TCEQ's Central Registry will assign each customer a number that begins with "CN," followed by nine digits. **This is not a permit number**, registration number, or license number.

- If this customer has not been assigned a CN, leave the space for the CN blank.
- If this customer has already been assigned this number, enter the registrant's CN.

Enter the name and title of the person signing the application.

Mailing Address

Provide a complete mailing address for receiving mail from the TCEQ. The address must be verifiable with the US Postal Service at <http://www.usps.com> for regular mail delivery (not overnight express mail). If you find that the address is not verifiable using the USPS web search, please indicate the address is used by the USPS for regular mail delivery.

Phone Number

This number should correspond to this customer's mailing address given earlier. Enter the area code and phone number here. Leave *Extension* blank if this customer's phone system lacks this feature.

Fax Number and E-mail Address (Optional Information)

This number and E-mail address should correspond to applicant's mailing address provided earlier. This Providing contact information speeds the processing of your application if questions arise during the review.

Type of Entity

Check only one box that identifies the type of entity. Use the descriptions below to identify the appropriate entity type.

Note that the selected entity type also indicates the name that must be provided as an applicant for a permit, registration or authorization. It also identifies when a co-applicant/co-registrant on an application for a permit, registration or authorization is required.

Sole Proprietorship — D.B.A.: a customer that is owned by only one person and has not been incorporated. This business may:

- be under the person's name
- have its own name ("doing business as" or d.b.a.)
- have any number of employees

If the customer is a Sole Proprietorship — D.B.A., the 'legal name' of the individual business 'owner' must be provided. The D.B.A. name is not recognized as the 'legal name' of the entity. The D.B.A. name may be used for the site name (regulated entity).

Individual (or DBA)

An individual is a customer who has not established a business, but conducts an activity that needs to be regulated by the TCEQ.

Partnership

A customer that is established as a partnership as defined by the Texas Secretary of State's Office (TX SOS).

If the customer is a 'general partnership' or 'joint venture' filed in the county (not filed with TX SOS), the legal name of each partner forming the 'general partnership' or 'joint venture' must be provided. Each 'legal entity' must apply as a co-applicant.

Partnership Not Filed with Texas Secretary of State

A customer that is established as a partnership as defined by the Texas Secretary of State's Office (TX SOS). If the customer is a general partnership or joint venture filed in the county (not filed with TX SOS), the legal name of each partner forming the 'general partnership' or 'joint venture' must be provided. Each 'legal entity' must apply as a co-applicant.

Corporation

A customer that meets all of these conditions:

- is a legally incorporated entity under the laws of any state or country
- is recognized as a corporation by the Texas Secretary of State
- has proper operating authority to operate in Texas.

The corporation's legal name as filed with the Texas Secretary of State must be provided as applicant. An assumed name or DBA is not recognized as the legal name of the entity.

Trust or Estate

A trust and an estate are not legal entities, but rather are fiduciary relationships governing the trustee/executor with respect to the trust/estate property. A trustee and an executor are considered the legal representatives of the trust/estate. Therefore, the trust and trustee or estate and executor must be identified as co-applicants/co-registrants. If there is more than one trustee or executor, each trustee or executor must be identified as a co-applicant/co-registrant with the trust or estate.

Other

The customer does not fit any of the above descriptions. Enter a short description

of the type of customer in the blank provided.

Government Federal, State, County, or City

The customer is either an agency of one of these levels of government or a governmental body itself. The governmental body's official name must be provided. A department name or other description of the organization should not be included as a part the official name.

Other Government

Utility districts, school districts, river authorities, etc. should mark this selection and list the type of entities they are.

Independent Entity

Check *No* if this customer is a subsidiary, part of a larger company, or is a governmental entity. Otherwise, check *Yes*.

Number of Employees

Check one box to show the number of employees for this customer's entire company, at all locations. This is not necessarily the number of employees at the site named in the application.

Business Identification Numbers

State Franchise Tax ID Number

Corporations and limited liability companies that operate in Texas are issued a franchise tax identification number. If this customer is a corporation or limited liability company, enter this number here.

Federal Tax ID

All businesses, except for some small sole proprietors, individuals, or general partnerships should have a federal taxpayer identification number (TIN). Enter this number here. Use no prefixes, dashes, or hyphens. Sole proprietors, individuals, or general partnerships do not need to provide a federal tax ID.

TX SOS Charter (filing) Number

Corporations and Limited Partnerships required to register with the Texas Secretary of State are issued a charter or filing number. You may obtain further information by calling SOS at 512/463-5555.

DUNS Number

Most businesses have a DUNS (Data Universal Numbering System) number issued by Dun and Bradstreet Corp. If this customer has one, enter it here.

b. Co-Permittee Information

Complete this section only if the entity must be a co-permittee. If co-permittees are required, please indicate the address to be used on the permit and for permit correspondences (either the address provided for item 1.a or 1.b). See item 1.a for an example of the address should be completed in the application.

c. Individual Information

If the applicant is an individual, provide information on the individual as required by the Texas Water Code. Complete the address as shown above in item 1.a. The address provided must be the individual's home address. If the operator must apply as co-permittee and is an individual, provide a separate sheet for information on the operator. As the facility owner, you need to provide the Customer Reference Number (CN).

2. BILLING CONTACT INFORMATION

An entity that holds an active Beneficial Land Use Registration will be assessed fees annually, based on the Annual Report due on September 1 (in accordance with 30 TAC §312.9, Sludge Fee Program). The annual fee is assessed on **September 1** of each year.

Provide the complete mailing address where the annual fee invoice should be mailed. Verify the address with the USPS. It must be an address for delivery of regular mail, not overnight express mail. Also, provide a phone number of the permittee's representative responsible for payment of the invoice.

Country Mailing Information

If this address is outside the United States, enter the territory name, country code, and any non-ZIP mailing codes or other non-U.S. Postal Service features here. If this address is inside the United States, leave these spaces blank.

3. APPLICATION CONTACT INFORMATION

Provide the name, title and communication information of the person(s) the TCEQ can contact for additional information regarding this application.

4. NOTICE INFORMATION

a. Individual responsible for the notice

Provide the name and contact information for the individual who will be responsible for the notice.

b. County Judge Information

Provide the name and contact information for the County Judge in each county where the site is located.

5. REGULATED ENTITY AND PERMITTED SITE INFORMATION

Regulated Entity Reference Number (RN)

This is a number issued by TCEQ's Central Registry to sites (a location where a regulated activity occurs) regulated by TCEQ. This is not a permit number, registration number, or license number.

- If this regulated entity has not been assigned an RN, leave this space blank.
- If this customer has been assigned this number, enter the permittee's RN.

If the site of your business is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search TCEQ's Central Registry to see if the larger site may already be registered as a site at: <http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch>

If the site is found, provide the assigned Regulated Entity Reference Number and provide the information for the site to be authorized through this application below. The site information for this authorization may vary from the larger site information.

a. Name of the project or site

Provide the name of the site as known by the public in the area where the site is located. The name you provide on this application will be used in the TCEQ Central Registry as the Regulated Entity. An RN will be assigned by Central Registry if this site is not currently regulated by TCEQ.

b. Site/Project (RE) Physical Address

Enter the complete address of where the site is located. This address must be validated through US Postal Service. If the physical address is not recognized as a USPS delivery address, you may need to validate the address with your local police (911 service) or through an online map site used to locate a site. Please confirm this to be a complete and valid address. Please do not use a rural route or post office box for a site location.

If a site does not have an address that includes a street (or house) number and street name, enter NO ADDRESS for the street name. Then provide a complete written location access description. For example: "The site is located 2 miles west from intersection of Hwy 290 & IH35, located on the southwest corner of the Hwy 290 South bound lane." Do not provide directions to the facility. The location description must use easily identifiable landmarks found on the USGS map submitted with the application. The description must include the direction and distance in feet or miles from road intersections. **If the existing permit includes an accurate description, indicate so by checking yes on the application form.** If, however, the application is for a new facility or the description is inaccurate, provide an accurate description. Two examples of acceptable location descriptions are: 1) The facility is located 2,600 feet southwest of the intersection of State Highway 20 and Farm-to-Market Road 1200; 2) The facility is located approximately 1.2 miles east of the intersection of Farm-to-Market Road 345 and County Road 10. **NOTE:** a new location requires a new (separate) permit - permits are site specific.

c. City where site is located or nearest city

Provide the name and distance to the nearest city from the location of the facility. The name of the nearest city is used by the commission to include that city on the notice mailing list.

d. Zip Code

Provide the zip code where the facility is located.

e. County where site is located

Identify the county or counties where the facility is located.

f. Latitude and Longitude

Enter the latitude and longitude of the site in degrees, minutes, and seconds or decimal form. For help obtaining the latitude and longitude, go to:
www.tceq.texas.gov/gis/drgview.html or <http://msrmaps.com/advfind.aspx>

g. Description of Activity Regulated

In your own words, briefly describe the primary business that you are doing that requires this authorization. Do not repeat the SIC Code description.

h. Owner of the beneficial land use area

Provide the name and contact information of the owner of the beneficial land use area.

i. Property Boundary

Indicate the size of the site area (in acres) as per the legal description. Be sure to include the application and buffer zone.

j. Application Area

Indicate the size of the area where Septage may be applied (in acres) according to the buffer zone restrictions in 30 TAC, Subsection 312.44(c) and (d).

k. Location of Septage application site

Indicate by checkmark if the Septage site is within the city limits, within the extraterritorial jurisdiction of, or outside the extraterritorial area of a city/municipality.

l. Describe the source of the Septage in the space provided.

m. Major Sole-Source Impairment Zone

If the facility is located in a Major Sole-Source Impairment Zone, you must 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.

If the phosphorous level in the soil is greater than 200 parts per million, you must also submit a detailed Nutrient Utilization Plan.

6. DELINQUENT FEE

Please identify whether you owe any fees or penalties to the TCEQ. If fees or penalties are owed, please identify the type of fee or penalty owed, the amount past due, and the TCEQ identifying number. For penalties, please provide the TCEQ docket number. For further information on the Delinquent Fee & Penalty Protocol, see the TCEQ web site at:
<http://www.tceq.texas.gov/agency/delin/index.html>

7. REPORTING INFORMATION

Provide the name and mailing address of the person responsible for receiving and submitting any annual sludge report correspondence.

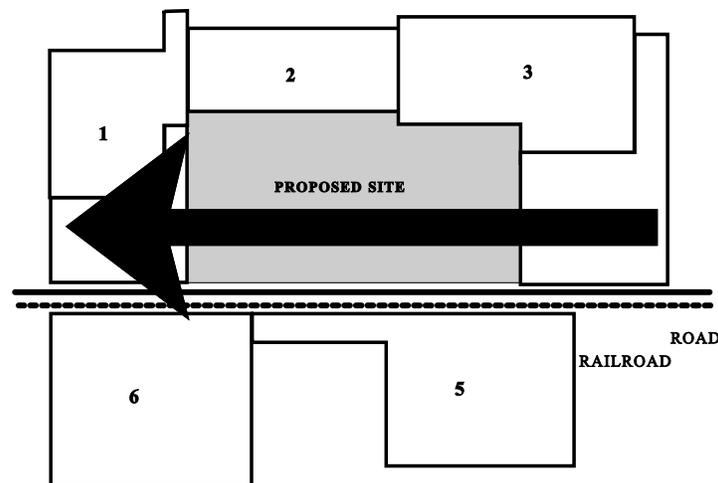
8. REQUIRED MAPS

NEW AND MAJOR AMENDMENTS ONLY

1. Landowner Property Boundary Map and Information:

- a. Each application for a new (initial) registration or major amendment of a beneficial use registration requires that the applicant identify all landowners bordering the site. These persons are subsequently notified by mail of the application. **At a minimum show on a map both of the following:**
 - (1.) The property boundaries of all contiguous land owned or under the control of the applicant and/or the landowner(s) (if multiple properties comprise the site or if the landowner(s) has multiple tracts that adjoin, the whole area must be shown).
 - (2.) The boundaries of the adjoining properties (i.e., all sharing a property line or separated by only a road, railway, river, etc.).
- b. List the adjoining landowners' names and complete mailing addresses. These can be obtained from the County Tax Office, local school or water district, an abstract company, etc. . If this information is not on the map itself, the list and map must have numbers to correlate the names with the properties.
- c. Indicate the source of the information
- d. Landowner labels must be submitted in either four (4) sets of printed labels or on a CD.

Example of Landowner Map



Adjacent Landowners Cross-referenced to Proposed site

- | | | | |
|----|-----------------------------------------------------------------|----------------|-----------------------------------------------------|
| 1. | MR & MRS EDWARD SMITH
1405 KELLY LANE
HENDERSON TX 75653 | 2. | MRS KIMBERLEY THOMAS
PO BOX 345
WACO TX 76710 |
| 3. | MR & MRS CLARK JOHNSON
ROUTE 1 BOX 34-A
ROBINSON TX 76706 | 4,5,6,7...ETC. | |

Information was obtained from the McLennon County Tax Office.

ALL APPLICATIONS:

The following maps of the application site are required with the application. Mark the outline of the site boundaries in red. (Note: An exact copy of each map must be attached to each copy of the application)

2. General Highway (County) Map

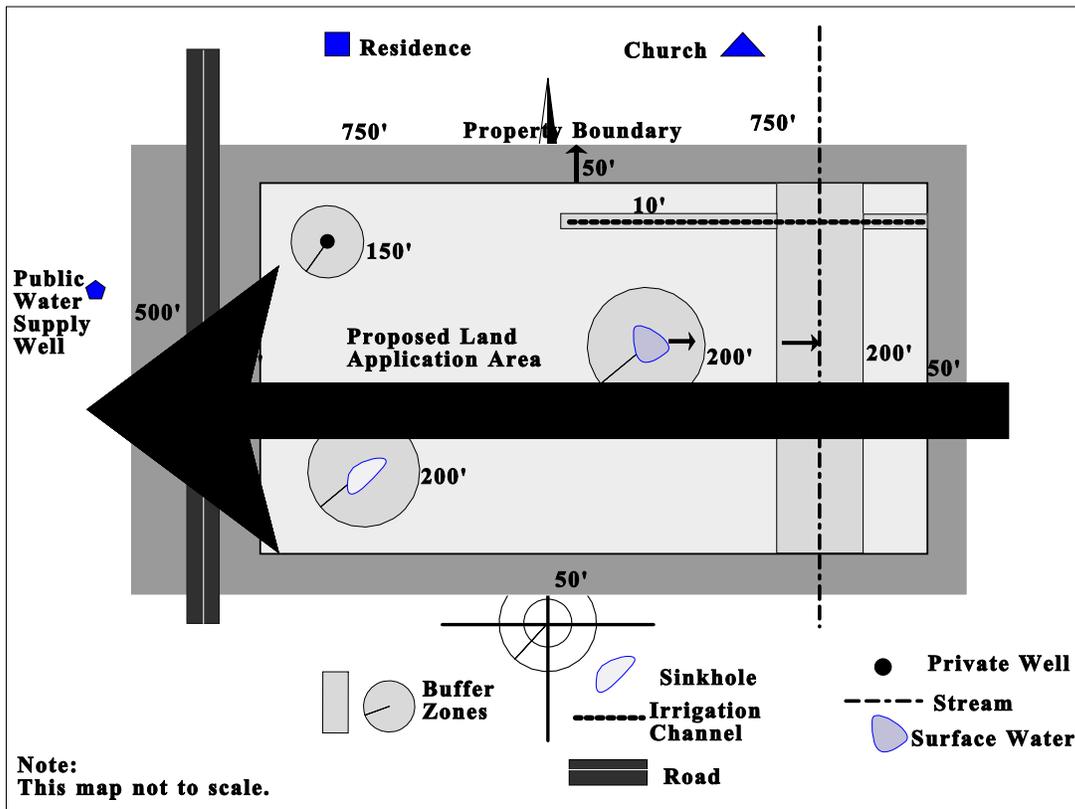
Submit an original General Highway (County) Map showing all boundaries of the site area. These can be ordered from the Texas Department of Transportation Map Sales from the following web site: http://www.txdot.gov/travel/county_grid_search.htm

3. United States Geological Survey (USGS) Topographic Map

The application requires an USGS topographic map (1:24,000 scale) showing the boundaries of the property(s) being registered, the application area and all buffer zones (in accordance with 30 TAC §312.44). At a minimum, draw to scale and label the required buffer zones to meet the following requirements:

- a. A 200 foot buffer zone from surface water; **or**
A 33 foot buffer zone from surface water if there is established grass that will not be harvested between the application area and the water **and** if the sludge will always be incorporated into the soil within 48 hours of application.
- b. A 150 foot buffer zone from a private water supply well;
- c. A 500 foot buffer zone from a public water supply well, intake, public water supply spring or similar source, public water supply treatment plant, or public water supply elevated or ground storage tank;
- d. A 200 foot buffer zone from a sinkhole or other conduit to groundwater (including all inactive wells that have not been plugged);
- e. A 750 foot buffer zone from any school, institution, business, or occupied residence;
- f. A 50 foot buffer zone from a public right-of-way (roads, railways, etc.);
- g. A 10 foot buffer zone from an irrigation conveyance canal; and
- h. A 50 foot buffer zone from property boundary.

Example Buffer Zone Map



4. 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. Show on this map the location of each grab sample of the composite soil sample(s) taken for analyses. Contact the nearest NRCS office for map information. The phone number for the State NRCS Headquarters in Temple is (254) 742-9800. If the specific county is not mapped, have a soil scientist identify the soils.

5. 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:

<http://msc.fema.gov/webapp/wcs/stores/servlet/CategoryDisplay?catalogId=10001&storeId=10001&categoryId=12001&langId=-1&userType=G&type=1&future=false>

9. ATTACHMENTS TO THE APPLICATION

Please use the fields provided to index all attachments to the application. Cross reference the specific item to its part in the application:

Example: Attachment Number AR-1 Item cross-referenced to: 8a on Page 2

10. CERTIFICATION

Each entity applying for the permit is required to sign the certification statement. The certification must bear an original signature of a person meeting the signatory requirements specified under 30 Texas Administrative Code (TAC) §305.44.

IF YOU ARE A CORPORATION

The regulation that controls who may sign an application or similar form is 30 TAC §305.44(a)(1) (see below). According to this code provision, any corporate representative may sign an application or similar form so long as the authority to sign such a document has been delegated to that person in accordance with corporate procedures. By signing the application or similar form, you are certifying that such authority has been delegated to you. The TCEQ may request documentation evidencing such authority.

IF YOU ARE A GOVERNMENT ENTITY

The regulation that controls who may sign an application or similar form is 30 TAC §305.44(a)(3) (see below). According to this code provision, only a ranking elected official or principal executive officer may sign an application or similar form. Persons such as the city mayor or county commissioner will be considered ranking elected officials. In order to identify the principal executive officer of your government entity, it may be beneficial to consult your city charter, county or city ordinances, or the Texas statute(s) under which your government entity was formed. An application or similar document that is signed by a government official who is not a ranking elected official or principal executive officer does not conform to §305.44(a)(3). The signatory requirement may not be delegated to a government representative other than those identified in the regulation. By signing the application or similar form, you are certifying that you are either a ranking elected official or principal executive officer as required by the administrative code. Documentation demonstrating your position as a ranking elected official or principal executive officer may be requested by the TCEQ.

If you have any questions or need additional information concerning the signatory requirements discussed above, please contact the TCEQ's Environmental Law Division at 512/239-0600.

Application to Register a Site for the Beneficial Use of Domestic Septage

SUBMISSION CHECKLIST SUBMIT THIS WITH THE APPLICATION

Indicate if the following are included in the application. Additional blank spaces provided for referencing applicant's attachments to the application.

ATTACHMENTS	Y	N
Landowner Map and List <i>Required For New And Major Amendments</i>		
General Highway (County) Map		
USGS Topographic Map <i>With Site Property Boundaries, Application Area And Buffer Zones</i>		
USDA NRCS Soils Map		
FEMA Map		
Required Signature Pages		
Appendix A		
Appendix B		

ADMINISTRATIVE REPORT

Registration No. _____

Expiration Date: _____

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)
- Renewal
- Renewal with minor amendment

If applying for an amendment/modification to a registration, please list the proposed changes.

1. APPLICANT INFORMATION (Instructions, Page 5)

a.. Registrant (applicant)

What is the Legal Name of the entity (applicant) applying for this permit?

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.)

If the applicant is currently a customer with TCEQ, what is the Customer Number (CN)?

Search for your CN at:

<http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

CN _____

What is the name and title of the person signing the application?

(The person must be an executive official meeting signatory requirements in TAC 305.43(a).)

Prefix: _____

(Mr. Ms, Miss)

First/Last Name: _____

Suffix: _____

Title: _____ Credential: _____

What is the applicant's mailing address as recognized by the **US Postal Service**? You may verify the address at: <http://zip4.usps.com/zip4/welcome.jsp>

Organization Name: _____

Mailing Address: _____

Internal Routing (Mail Code, Etc.): _____

City: _____ State: _____ ZIP Code: _____

Mailing Information if outside USA

Territory: _____ Country Code: _____ Postal Code: _____
Phone No.: _____ Extension: _____
Fax No.: _____ E-mail Address: _____

Indicate the type of Customer:

- | | |
|----------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Individual | <input type="checkbox"/> Sole Proprietorship-D.B.A. |
| <input type="checkbox"/> Limited Partnership | <input type="checkbox"/> Corporation |
| <input type="checkbox"/> Trust | <input type="checkbox"/> Estate |
| <input type="checkbox"/> Federal Government | <input type="checkbox"/> State Government |
| <input type="checkbox"/> County Government | <input type="checkbox"/> City Government |
| <input type="checkbox"/> Other Government | <input type="checkbox"/> Other: _____ |

Independent entity

- Yes
 No (*If governmental entity, subsidiary, or part of a larger corporation*)

Number of Employees:

- 0-20; 21-100; 101-250; 251-500; or 501 or higher

Customer Business Tax and Filing Numbers

(Not applicable to individuals, governments, general partnerships or sole proprietors. REQUIRED for corporations and limited partnerships)

State Franchise Tax ID Number: _____

TX SOS Charter (filing) Number: _____

Federal Tax ID: _____

DUNS Number (if known): _____

b. Co-Registrant Information (complete only if the entity must be a co-permittee)

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

Operator _____

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal document forming the entity.)

If the entity is currently a customer with TCEQ, what is the Customer Number (CN)? Search for your CN at: <http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

CN _____

What is the name and title of the person signing the application?

(The person must be an executive official meeting signatory requirements in TAC 305.43(a).)

Prefix: _____

(Mr. Ms, Miss)

First/Last Name: _____

Suffix: _____

Title: _____ Credential: _____

What is the applicant's mailing address as recognized by the **US Postal Service**? You may verify the address at: <http://zip4.usps.com/zip4/welcome.jsp>

Organization Name: _____

Mailing Address: _____

Internal Routing (Mail Code, Etc.): _____

City: _____ State: _____ ZIP Code: _____

Mailing Information if outside USA

Territory: _____ Country Code: _____ Postal Code: _____

Phone No.: _____ Extension: _____

Fax No.: _____ E-mail Address: _____

Indicate the type of Customer:

- | | |
|----------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Individual | <input type="checkbox"/> Sole Proprietorship-D.B.A. |
| <input type="checkbox"/> Limited Partnership | <input type="checkbox"/> Corporation |
| <input type="checkbox"/> Trust | <input type="checkbox"/> Estate |
| <input type="checkbox"/> Federal Government | <input type="checkbox"/> State Government |
| <input type="checkbox"/> County Government | <input type="checkbox"/> City Government |
| <input type="checkbox"/> Other Government | <input type="checkbox"/> Other: _____ |

Independent entity

- Yes
 No (*If governmental entity, subsidiary, or part of a larger corporation*)

Number of Employees:

- 0-20; 21-100; 101-250; 251-500; or 501 or higher

Customer Business Tax and Filing Numbers

*(Not applicable to individuals, governments, general partnerships or sole proprietors. **REQUIRED** for corporations and limited partnerships)*

State Franchise Tax ID Number: _____

TX SOS Charter (filing) Number: _____

Federal Tax ID: _____

DUNS Number (if known): _____

Provide a brief description of the need for a co-permittee:

c. Individual information (*complete only if the operator or co-registrant is an individual*)

What is the Legal Name (first/middle/last) of the operator/co-permittee applying for this permit?

If the co-permittee is currently a customer with TCEQ, what is the Customer Number (CN)? Search for your CN at:

<http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

CN _____

What is the name and title of the person signing the application?
(The person must be the individual. See signatory requirements in TAC 305.43(a).)

Prefix: _____

(Mr. Ms, Miss)

First _____ Middle: _____ Last: _____

Suffix: _____

State Identification Number: _____

Date of Birth: _____

Assumed business or professional name: _____

Business name: _____

What is the applicant's mailing address as recognized by the **US Postal Service**? You may verify the address at: <http://zip4.usps.com/zip4/welcome.jsp>

Mailing Address: _____

Internal Routing (Mail Code, Etc.): _____

City: _____ State: _____ ZIP Code: _____

Mailing Information if outside USA

Territory: _____ Country Code: _____ Postal Code: _____

Phone No.: _____ Extension: _____

Fax No.: _____ E-mail Address: _____

2. BILLING CONTACT (Instructions Page 8)

a. Billing Contact and Address Information

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

Is the billing address the same as the permittee or co-permittee?

Permittee Co-permittee No, fill out this section

Prefix: _____

(Mr. Ms, Miss)

First/Last Name: _____

Suffix: _____

Title: _____ Credential: _____

Organization Name: _____

Billing Mailing Address: _____

Internal Routing (Mail Code, Etc.): _____

City: _____ State: _____ ZIP Code: _____

3. APPLICATION CONTACT INFORMATION (Instructions, Page 8)

If TCEQ needs additional information regarding this application, who should be contacted?

a. Application Contact

Prefix: _____

(Mr. Ms, Miss) First/Last Name: _____

Suffix: _____

Title: _____ Credential: _____

Organization Name: _____

Mailing Address: _____

Internal Routing (Mail Code, Etc.): _____

City: _____ State: _____ ZIP Code: _____

Mailing Information if outside USA.

Territory: _____ Country Code: _____ Postal Code: _____

Phone No.: _____ Extension: _____

Fax No.: _____ E-mail Address: _____

Check on or both: Administrative contact Technical Contact

b. Application Contact

Prefix: _____

(Mr. Ms, Miss)

First/Last Name: _____

Suffix: _____

Title: _____ Credential: _____

Organization Name: _____

Mailing Address: _____

Internal Routing (Mail Code, Etc.): _____

City: _____ State: _____ ZIP Code: _____

Mailing Information if outside USA.

Territory: _____ Country Code: _____ Postal Code: _____

Phone No.: _____ Extension: _____

Fax No.: _____ E-mail Address: _____

Check on or both: Administrative contact Technical Contact

4. NOTICE INFORMATION (Instructions, Page 8)

Identify the individual for the public to contact for further information about the registration application; and identify the name and address of county judge in the county where the site is located.

a. Individual Responsible for the notice

Prefix: _____

(Mr. Ms, Miss)

First/Last Name: _____

Suffix: _____
 Title: _____ Credential: _____
 Organization Name: _____
 Mailing Address: _____
 Internal Routing (Mail Code, Etc.): _____
 City: _____ State: _____ ZIP Code: _____
 Mailing Information if outside USA.
 Territory: _____ Country Code: _____ Postal Code: _____
 Phone No.: _____ Extension: _____
 Fax No.: _____ E-mail Address: _____

- b.** Provide the name, address, and telephone number of the County Judge in each County where the site is located (attach an additional page if there is more than one county).

First/Last Name: _____
 Name of County: _____
 Title: _____
 Mailing Address: _____
 Internal Routing (Mail Code, Etc.): _____
 City: _____ State: _____ ZIP Code: _____
 Phone No.: _____

5. REGULATED ENTITY INFORMATION (Instructions, Page 8)

If the site of your business is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search TCEQ's Central Registry to see if the larger site may already be registered as a regulated site at: <http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch>
 TCEQ issued RE Reference Number (RN):

RN _____

- a.** Name of project or site (the name known by the community where located):
- b.** Does the site have a physical address?
- If Yes, complete Section A for a physical address.
 - If No (the location description is not accurate or this is a new permit application, complete), complete Section B for site location information.

Section A: Enter the physical address for the site.

Verify the address with USPS. If the address is not recognized as a delivery address, provide the address as identified for overnight mail delivery, 911 emergencies, or other online map tool to confirm an address.

Give the physical address of the land application site (depicted on map):

Street Number: _____ Street Name: _____
 City: _____ ZIP Code: _____

Section B: Enter the site location information.

If no physical address (Street Number & Street Name), provide a written location access description to the site:

(Ex.: located 2 miles west from intersection of Hwy 290 & IH35 accessible on Hwy 290 South)

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

d. ZIP Code where the site is located: _____

e. County where the site is located _____

f. Latitude: _____ Longitude: _____

g. In your own words, briefly describe the primary business of the Regulated Entity: *(Do not repeat the SIC and NAICS code)*

h. Owner of the beneficial land use area

If the owner of the beneficial land use area is not the same as the applicant, the owner of the land and the applicant must complete the affidavit found on page 7. (Attach an additional sheet if more than one landowner.)

Prefix: (Mr. Ms, Miss) _____

First/Last Name: _____ Suffix: _____

Organization Name: _____

Mailing Address: _____

Internal Routing (Mail Code, Etc.): _____

City: _____ State: _____ ZIP Code: _____

Mailing Information if outside USA.

Territory: _____ Country Code: _____ Postal Code: _____

Phone No.: _____ Extension: _____

i. Property Boundary

Site Area: _____ acres per legal description, includes the application area and buffer zones

j. Application Area:

_____ acres, the area where septage may be applied according to the buffer zone restrictions in 30 TAC, Subsection 312.44(c) and (d).

k. The septage application site is (check one):

- within the city limits of _____
- within the extraterritorial jurisdiction of _____
- outside the extraterritorial jurisdiction of _____

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

m. 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.

6. DELINQUENT FEE QUESTIONS (Instructions, Page 10)

a. Do you owe fees to the TCEQ? Yes No

If yes, please provide:

Account number: _____ Amount past due: _____

c. Do you owe any penalties to the TCEQ? Yes No

If yes, please provide:

Enforcement order number _____ Amount past due _____

7. REPORTING INFORMATION (Instructions, Page 10)

a. Please provide a valid mailing address for receiving any annual sludge report correspondence.

First/Last Name: _____

Title: _____ Credential: _____

Organization Name: _____

Mailing Address: _____

Internal Routing (Mail Code, Etc.): _____

City: _____ State: _____ ZIP Code: _____

Mailing Information if outside USA.

Territory: _____ Country Code: _____ Postal Code: _____

Phone No.: _____ Extension: _____

Fax No.: _____ E-mail Address: _____

8. REQUIRED MAPS (Instructions, Page 11)

NEW and **AMENDMENT** applications

- 1. Landowners Property Boundary Map and Information:** This map is **only** required for new and amendment applications.
 - a.** Provide a map or drawing which includes the following information (refer to Page 11 for an example):
 - (1) The approximate property boundaries of the site being registered and all contiguous property owned or under the control of the applicant and/or the landowner(s).
 - (2) The approximate boundaries of the landowners bordering the perimeter of the property owned or under the control of the applicant.
 - b.** Provide a list of the property owners, giving the name and complete mailing address of each adjacent landowner. If separate from the map, the list must be cross-referenced to the map. At a minimum, include all landowners whose property borders the septage operation site and any contiguous land owned or under the control of the applicants (site operator and/or landowner).
 - c.** Provide the source of the landowner's names and mailing addresses.

(Source: County Tax Office, the local school or water district, an abstract company, etc.)

- d.** Either submit the mailing list on a CD-RW disc using software compatible with Microsoft Word, as allowed by 30 TAC 39.5(b), or if more convenient, four sets of printed labels of the list may be provided in lieu of a computer disc. One of these two methods of providing the affected landowners mailing addresses must be used. The application cannot be declared administratively complete until one of the two is received. Names and addresses must be typed in the format indicated below, all upper case and no punctuation. This format is required by the U.S. Postal Service for machine readability.

JOHN SMITH
100 MAIN ST
ANYWHERE TX 70000

ALL APPLICATIONS:

The following maps of the application site are required with the application. Mark the outline of the site boundaries in **red**. (Note: An exact copy of each map must be attached to each copy of the application)

2. 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

3. United States Geological Survey (USGS) Topographic Map (Example, Page 13)

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

- (1) all boundaries of the site
- (2) 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)
- (3) the location of all wells, structures, and public water supply facilities within 500 feet of the application area (including those off-site)
- (4) draw boundaries of the application area within the site boundaries including the labeled buffer zones, to conform with the site restrictions as per 30 TAC, Section 312.44. (Please refer to Item 8 of the instructions.)

(For assistance locating maps for your area, call the Texas Natural Resource Information System at 512/463-8337.)

4. 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. Show on this map the location of each grab sample of the composite soil sample(s) taken for analyses. Contact the nearest NRCS office for map information. The phone number for the State NRCS Headquarters in Temple is (254) 742-9800. If the specific county is not mapped, have a soil scientist identify the soils.

d. 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: www.esrl.com/hazards

9. ATTACHMENTS TO THE APPLICATION (Instructions, Page 13)

Please index all attachments cross-referenced to the specific item (i.e. Item 8.a on Page 2) in this application.

Attachment Number: _____ Item cross-referenced to: _____

10. AFFIDAVIT OF OWNER AND APPLICANT (Instructions, Page 14)

APPLICANT/SITE OPERATOR:

I, _____, _____
(Name) (Title)

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 also certify under penalty of law that all information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, imprisonment for violations, and revocation of this registration.

Signature: _____ Date: _____
(Use blue ink)

Subscribed and sworn to before me by the said _____

on this _____ day of _____, 20_____.

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

Notary Public

[SEAL]

County, Texas

COMPLETE THE FOLLOWING ONLY IF THE LANDOWNER IS NOT THE SITE OPERATOR

I, _____, _____
(Name) (Title)

owner of the land described in the attached legal description, have all rights and covenants to authorize, the applicant for this registration, to use this site for the beneficial reuse of _____ (type of waste). I understand that 30 TAC Chapter 312 requires me to make a reasonable effort to see that the applicant complies with the required operating conditions stated in the above paragraph. I also certify under penalty of law that all information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, imprisonment for violations, and revocation of this registration.

Signature: _____ Date: _____
(Use blue ink)

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

TECHNICAL REPORT

FOR A REGISTRATION FOR BENEFICIAL LAND APPLICATION OF SEPTAGE

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:

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

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).

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.

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

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

4. WELL DATA FOR SEPTAGE LAND APPLICATION SITES

Provide the following information for **all types of wells** located on and within 500 feet of the application area including off-site wells of other landowners. By definition (30 TAC Chapter 238) a "well" is any artificial excavation constructed for the purpose of exploring, monitoring or producing substances, elements, chemicals or fluids beneath the surface of the ground. (Potable water wells, irrigation wells, gas wells, oil wells, etc.)

Show well locations and numbers on the USGS map and cross reference to the numbers on the list below.

Type of Well Example (Water Well)	Action Taken**								
	Producing		Cased*		Plugged		Capped		
	Yes	No	Yes	No	Yes	No	Yes	No	
	<input type="checkbox"/>								
	<input type="checkbox"/>								
	<input type="checkbox"/>								
	<input type="checkbox"/>								
	<input type="checkbox"/>								

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

(Casing, plugging and capping rules - 30 TAC Section 238.48)

**Action that the site operator assures will be taken on each well before sludge/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.

For the site water well history, contact the Texas Water Development Board (512) 936-0837.

For a thorough investigation of other well records, contact the Texas Railroad Commission: Mapping Office (512) 463-6851 or Records Retention Office (512) 463-6882.

**APPENDIX A
SEPTAGE APPLICATION RATE**

STEP 1 - SOIL TEST ANALYSIS AND FERTILIZER RECOMMENDATIONS

Yield Goal(s): _____ pH: _____

**Warm Season Intended Crop(s): _____

**Cool Season Intended Crop(s): + _____

Total Nutrient Needed by crop for specific yield goal: _____ (Include in Line A)

A. Nutrient needed by crop for specified yield goal** _____

B. Nutrient available in soil ** Minus - _____

C. Nutrient amount still needed to meet yield goal, **N** Equals = _____

** Please provide the means of determining these values.

[Nutrient available in soil (lbs/Acre) = 2*NO₃-N(ppm)(0-6" soil depth) + 6*NO₃-N(ppm)(6-24" soil depth)]

STEP 2 - CALCULATE ANNUAL APPLICATION RATE BASED ON NITROGEN REQUIREMENTS OF CROP IN GALLONS PER ACRE PER 365 DAY PERIOD

AAR = N (Line C) / 0.0026 = _____ / 0.0026 = _____ 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 or vegetation grown on the land.

CERTIFICATION STATEMENT FOR ANALYTICAL DATA

Effective July 1, 2008, all laboratory tests performed must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification with the following general exemptions:

- a. The laboratory is an in-house laboratory and is:
 - (1) periodically inspected by the TCEQ; or
 - (2) located in another state and is accredited or inspected by that state; or
 - (3) performing work for another company with a unit located in the same site; or
 - (4) performing pro bono work for a governmental agency or charitable organization.
- b. The laboratory is accredited under federal law.
- c. The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- c. The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review 30 TAC Chapter 25 for specific requirements. The following certification statement shall be signed and submitted with every application.

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

APPENDIX B SOIL TESTING INFORMATION

Procedures:

- 1) 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 procurement. The initial soil sample for application approval may be taken whenever necessary.
- 2) **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).
- 3) 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.
- 4) 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.
- 5) 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.
- 6) Below are the parameters and soil sample depths to be taken to obtain the background samples. Submit copies of the laboratory reports for all required tests.

Monitoring Requirements

No.	Parameter	0- 6 "	6 -24"	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.	
1	Nitrate Nitrogen (NO ₃ -N, mg/kg)	x	x		
2	Ammonium Nitrogen (NH ₄ -N,g/kg)	x	x		
3	Total Kjeldahl Nitrogen (TKN, mg/kg) (1)	x	x		
4	Phosphorus (plant available, mg/kg) (2)	x	x		
5	Potassium (plant available, mg/kg) (2)	x	N/A		
6	Sodium (plant available, mg/kg) (2)	x	N/A		
7	Magnesium (plant available, mg/kg) (2)	x	N/A		
8	Calcium (plant available, mg/kg) (2)	x	N/A		
9	Electrical Conductivity (3)	x	N/A		
10	Soil Water pH (S.U.) (4)	x	x		
11.	Total Arsenic (mg/kg) *	x	N/A	Total Arsenic	20.5
12.	Total Cadmium (mg/kg) *	x	N/A	Total Cadmium	19.5
13.	Total Chromium (mg/kg) *	x	N/A	Total Chromium	1500
14.	Total Copper (mg/kg) *	x	N/A	Total Copper	750
15.	Total Lead (mg/kg) *	x	N/A	Total Lead	150
16.	Total Mercury (mg/kg) *	x	N/A	Total Mercury	8.5
17.	Total Molybdenum (mg/kg)*	x	N/A	Total Molybdenum	Monitor
18.	Total Nickel (mg/kg) *	x	N/A	Total Nickel	210
19.	Total Selenium (mg/kg) *	x	N/A	Total Selenium	50
20.	Total Zinc (mg/kg) *	x	N/A	Total Zinc	1,400

1. Determined by Kjeldahl digestion or an equivalent accepted procedure. Methods that rely on Mercury as a catalyst are not acceptable.
 2. Mehlich III extraction (yields plant-available concentrations) with inductively coupled plasma.
 3. Electrical Conductivity (EC) - determine from extract of 2:1 (volume/volume) water/soil mixture and expressed in ds/m (same as mmho/cm).
 4. 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.
- * Analysis for metals in sludge and soil must be performed according to methods outlined in "Test Methods for Evaluating Solid Waste," EPA SW-846; method 3050.

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. Provide the following information:

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

- b. The location of the temporary storage area(s) must be accurately shown on the U.S.G.S, 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.

- c. Liner and storage tank certification as per 30 TAC §312.50(a)(4), or 312.50(a)(8).

- d. A full explanation of proposed spill prevention and cleanup methods.

- e. A certification that the berm(s) will hold the required volume(s) without discharging as per 30 TAC §312.50 (a)(7).

- f. A full description of the method for stormwater runoff collection and disposal.

- g. 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.