



# Quarterly Sludge Summary Report Form

(Class B)

- Note 1: If your site has more than one land application field, please submit a separate form for each field.**  
 Note 2: Please place this sheet at the top of your Quarterly Sludge Report.  
 Note 3: If you operate other registered/permited sludge land application sites, a form should be submitted for each site.  
 Note 4: Please send a copy of this sheet and all attachments to the TCEQ regional office in your area.

For TCEQ Quarter	<u>2nd</u>	Reporting period from	<u>Dec. 1, 2013</u> to <u>Feb. 28, 2014</u>
PERMIT NO.:	<u>WQ 4830</u>	DATE:	<u>3-14-2014</u>
NAME OF PERMITTEE:	<u>Terra Renewal Services, Inc.</u>		
MAILING ADDRESS:	<u>P.O. Box 399</u> <u>Dardanelle, AR 72834</u>		
Contact Name:	<u>Marcus Tilley</u>	Telephone No:	<u>479-668-4035</u>

Field Number (if any): \_\_\_\_\_ (Submit separate form for each field, if site has two or more fields)

1. Class B Sewage Sludge Land Applied: \_\_\_\_\_ 21.35 dry tons / quarter
2. Treated Domestic Septage - Land Applied: \_\_\_\_\_ 0.00 gallons / quarter  
 Method used to treat Domestic Septage: \_\_\_\_\_ N/A
3. Water Treatment Plant Sludge - Land Applied: \_\_\_\_\_ 0.00 dry tons / quarter
4. Class A sludge land applied: \_\_\_\_\_ 0.00 dry tons / quarter
  - a. Acreage used for Sludge Application/disposal at this site: \_\_\_\_\_ 133.5 acres
  - b. Site Vegetation (such as grass type etc) and # of cuttings: \_\_\_\_\_ Bermuda Pasture
  - c. Does any of the sludge you have generated or received DOES NOT MEET concentration limits for any of the metals listed in Table 3 of "30 TAC §312.43 (b)"? Yes \_\_\_\_\_ No \_\_\_\_\_
  - d. Site location: Latitude: \_\_\_\_\_ 32° 39', Longitude: \_\_\_\_\_ 94° 79'
  - e. Site physical address: \_\_\_\_\_ 600 feet South of the Intersection of FM 2276 and FM 349

**Sewage Sludge Only - Please attach information regarding the following items:**

- \* Please note the following information should be provided in computer-generated report format:  
 \* Please place check mark before each item below to indicate that the item is attached to this report.

1. Metal concentration, pathogen analysis data and vector attraction certifications of sludge for each source.
2. Provide a list containing the name and permit number of each source of sludge.
3. Date of delivery of each load of sludge land applied.
4. Date of land application of each load of sludge.
5. The cumulative metal loading rates for any metals as listed in Table 2 of 30 TAC §312.43 (b)"?
6. The suggested agronomic rate for the class B sludge.

**PLEASE MAIL THE COMPLETED QUARTERLY REPORT TO :**

Texas Commission on Environmental Quality  
 Municipal Permits Team (MC 148)  
 Wastewater Permitting Section  
 P.O. Box 13087  
 Austin, TX 78711-3087

Field Name: IRON FARM 5  
 Landowner:  
 Crop: Bermuda Pasture  
 Application Dates: 1/8/2014 - 2/28/2014  
 Available Acres: 50.00  
 Allowable Dry Tons/Acre: 8.43

**FIELD REPORT**  
 Municipal Biosolids Texas - Environmental



Permit No. WQ0004830000  
 12/1/2013 - 2/28/2014

Customer	Product	Volume	Units	DryTons	DT/Ac	Path Class			503 Limit*		Loading Rates (lbs/acre)													
						A	B	V	1	3	Total N	P	K	Ar	Cd	Cu	Pb	Ni	Cr	Hg	Mo	Se	Zn	AIC#
AQUARES	Sludge	12,000	GAL	1.15	0.02				N	N	0.79	1.17	0.19	0.0001	0.0001	0.0242	0.0005	0.0006	0.0019	0.0000	0.0005	0.0002	0.060	261993
BEAWWTP	Sludge	6,000	GAL	0.38	0.01				N	N	0.27	0.05	0.03	0.0001	0.0000	0.0032	0.0003	0.0001	0.0003	0.0000	0.0001	0.0001	0.007	C24728
CHEWWTP	Sludge	42,000	GAL	7.71	0.15				N	N	4.45	0.65	0.37	0.0023	0.0001	0.0795	0.0048	0.0023	0.0055	0.0003	0.0018	0.0010	0.086	C36768
LAKFORK	Sludge	6,000	GAL	0.38	0.01				N	N	0.10	0.11	0.03	0.0000	0.0000	0.0182	0.0002	0.0001	0.0001	0.0000	0.0001	0.0000	0.010	C38850
PINNCLU	Sludge	12,000	GAL	1.20	0.02				N	N	0.40	0.20	0.09	0.0001	0.0000	0.0624	0.0012	0.0003	0.0009	0.0000	0.0003	0.0002	0.026	C36769
SEVERNT	Sludge	24,000	GAL	3.70	0.07				N	N	0.57	1.28	0.30	0.0000	0.0000	0.0590	0.0000	0.0039	0.0000	0.0000	0.0039	0.0000	0.057	456747
Report Totals:		102,000		14.52	0.29						6.57	4.08	1.1144	0.0024	0.0003	0.2886	0.0073	0.0072	0.0093	0.0004	0.0065	0.0016	0.283	

\*Indicates whether the 503 limits for table 1 and 3 have been exceeded.

# FIELD REPORT

Load Detail - Environmental

Permit No. WQ0004830000

12/1/2013 - 2/28/2014



Field Name: IRON FARM 5 DM-5  
Landowner:  
Crop: Bermuda Pasture  
Application Rate 300 PAN/acre  
Available Acres: 50.00

Delivery Date	Application Date	Customer	Product	PAN	Dry Tons Applied	DT/Ac
1/8/2014	1/8/2014	BEAWWTP-Southwest Water Co	Sludge	13.33	0.38	0.01
1/8/2014	1/8/2014	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.02
1/16/2014	1/16/2014	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.02
1/18/2014	1/18/2014	SEVERNT-Kaufman Co Fresh Water St	Sludge	7.11	0.93	0.02
1/18/2014	1/18/2014	SEVERNT-Kaufman Co Fresh Water St	Sludge	7.11	0.93	0.02
1/23/2014	1/23/2014	SEVERNT-Kaufman Co Fresh Water St	Sludge	7.11	0.93	0.02
1/23/2014	1/23/2014	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.02
1/24/2014	1/24/2014	SEVERNT-Kaufman Co Fresh Water St	Sludge	7.11	0.93	0.02
1/27/2014	1/27/2014	PINNCLU-Southwest Water Co	Sludge	9.99	0.60	0.01
2/15/2014	2/15/2014	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.02
2/15/2014	2/15/2014	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.02
2/22/2014	2/22/2014	LAKFORK-Southwest Water Co	Sludge	4.81	0.38	0.01
2/26/2014	2/26/2014	AQUARES-Aqua Texas Inc	Sludge	19.68	0.58	0.01
2/26/2014	2/26/2014	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.02
2/27/2014	2/27/2014	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.02
2/27/2014	2/27/2014	PINNCLU-Southwest Water Co	Sludge	9.99	0.60	0.01
2/28/2014	2/28/2014	AQUARES-Aqua Texas Inc	Sludge	19.68	0.58	0.01
Report Totals:				328.35	14.52	0.29

Field Name: IRON FARM 7  
 Landowner:  
 Crop: Bermuda Pasture  
 Application Dates: 12/14/2013 - 1/2/2014  
 Available Acres: 83.50  
 Allowable Dry Tons/Acre: 1.21



Customer	Product	Volume	Units	DryTons	DT/Ac	Path Class			503 Limit*		Loading Rates (lbs/acre)													
						A	B	V	1	3	Total N	P	K	Ar	Cd	Cu	Pb	Ni	Cr	Hg	Mo	Se	Zn	AIC#
AQUARES	Sludge	6,000	GAL	0.58	0.01				N	N	0.24	0.35	0.06	0.0000	0.0000	0.0072	0.0001	0.0002	0.0006	0.0000	0.0002	0.0001	0.018	3261993
BEAWWTP	Sludge	6,000	GAL	0.38	0.00				N	N	0.16	0.03	0.02	0.0001	0.0000	0.0019	0.0002	0.0001	0.0002	0.0000	0.0000	0.0000	0.004	C24728
CHEWWTP	Sludge	18,000	GAL	3.30	0.04				N	N	1.14	0.17	0.09	0.0006	0.0000	0.0204	0.0012	0.0006	0.0014	0.0001	0.0005	0.0003	0.022	C36768
LAKHARB	Sludge	6,000	GAL	0.73	0.01				N	N	0.04	0.02	0.01	0.0003	0.0000	0.0006	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.001	C38589
SEVERNT	Sludge	12,000	GAL	1.85	0.02				N	N	0.17	0.38	0.09	0.0000	0.0000	0.0177	0.0000	0.0012	0.0000	0.0000	0.0012	0.0000	0.017	456747
Report Totals:		48,000		6.83	0.08						1.75	1.11	0.2946	0.0010	0.0001	0.0478	0.0016	0.0021	0.0025	0.0001	0.0018	0.0004	0.070	

\*Indicates whether the 503 limits for table 1 and 3 have been exceeded.

# FIELD REPORT

Load Detail - Environmental



**TERRA**  
renew

Field Name: IRON FARM 7 DM-7  
Landowner:  
Crop: Bermuda Pasture  
Application Rate 300 PAN/acre  
Available Acres: 83.50

Permit No. WQ0004830000  
12/1/2013 - 2/28/2014

Delivery Date	Application Date	Customer	Product	PAN	Dry Tons Applied	DT/Ac
12/14/2013	12/14/2013	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.01
12/18/2013	12/18/2013	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.01
12/24/2013	12/24/2013	SEVERNT-Kaufman Co Fresh Water St	Sludge	7.11	0.93	0.01
12/24/2013	12/24/2013	SEVERNT-Kaufman Co Fresh Water St	Sludge	7.11	0.93	0.01
12/27/2013	12/27/2013	LAKHARB-Southwest Water Co	Sludge	3.59	0.73	0.01
12/28/2013	12/28/2013	BEAWWTP-Southwest Water Co	Sludge	13.33	0.38	0.00
1/1/2014	1/1/2014	AQUARES-Aqua Texas Inc	Sludge	19.68	0.58	0.01
1/2/2014	1/2/2014	CHEWWTP-Southwest Water Co	Sludge	31.77	1.10	0.01
Report Totals:				146.14	6.83	0.08

TCEQ Permit No. WQ0004830000

Cummulative Metals Table

Reporting Period: December 1, 2013 - February 28, 2014

For TCEQ Quarter: 2nd

Field: 5

	Ar	Cd	Cu	Pb	Ni	Cr	Hg	Mo	Se	Zn
Cummulative Metals	0.5145	0.0773	22.4403	4.3178	4.4962	3.9464	0.047	0.6867	0.3903	36.823

TCEQ Permit No. WQ0004830000

Cummulative Metals Table

Reporting Period: December 1, 2013 - February 28, 2014

For TCEQ Quarter: 2nd

Field: 7

	Ar	Cd	Cu	Pb	Ni	Cr	Hg	Mo	Se	Zn
Cummulative Metals	0.781	0.1261	36.3967	6.4189	8.1109	6.5578	0.1089	1.1513	0.6265	57.64

Permit No: WQ0004830000

Facility	Source Permit No.
AQUASHA: Aqua Texas Inc / Shale Creek WWTP	WQ0014186-001
BEAWWTP: Southwest Water Co / Beachwood -Trinidad, TX WWT	WQ0011282-001
CARESTA: Southwest Water Co / Carolyn Estates WTP	PWS1070106
CHEWWTP: Southwest Water Co / Cherokee Shores WWTP	WQ0013879-001
EASCEDA: East Cedar Creek / Mabank, TX WWTP	WQ0011858-001
LAKFORK: Southwest Water Co / Lake Fork Est/Holiday Vlg WWT	WQ0011282001
LAKHARB: Southwest Water Co / Lakeway Harbor WTP	PWS2120064
LOGCABI: City Of Log Cabin, TX / Malakoff WWTP	WQ0014158-001
LONGVIE: City Of Longview Wwtp / WWTP	WQ0010589-002
PINNCLU: Southwest Water Co / Mabank, TX WWTP	WQ0011506-001
SEVERNT: Kaufman Co Fresh Water Supply / District 1a - Forney,	WQ0013910-001





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### SLUDGE APPLIER'S CERTIFICATION

I certify, under penalty of law, that the requirements to obtain information in 30 TAC §312.42(e) have been met for each site on which bulk sewage sludge is applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the requirements to obtain information have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

I certify, under penalty of law, that the site restrictions in §312.82(b)(3) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the site restrictions have been met. I am aware that there are significant penalties for false certification including fine and imprisonment.

### VECTOR ATTRACTION REDUCTION CERTIFICATE

I certify, under penalty of law, that the vector attraction reduction requirement in §312.83(b)(10) has been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the vector attraction reduction requirement has been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

### CUMULATIVE LOADING CERTIFICATE

I certify, under the penalty of law, that management practices in 30 TAC §312.44 have been met for each site on which bulk sewage sludge is applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Signature

Printed Name

Title

*Kenneth Swint*  
Kenneth Swint  
Regal Manager