

TCEQ

Attachment D

Quarterly Sludge Summary Report Form

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 have more than one permitted site, then fill-out this form for each one of those sites.

Note 4: Please send a copy of this sheet and all attachments to the local TCEQ regional office.

For TCEQ Quarter <u>3rd</u> Reporting period from <u>9/1/13</u> to, <u>8/31/14</u>	
PERMIT NO.: <u>WQ 0004448000</u>	DATE: <u>6/4/2014</u>
NAME OF PERMITTEE: <u>K-3 Resources, LP</u>	
MAILING ADDRESS: <u>PO BOX 2236</u> <u>Alvin, TX 77512</u>	
CONTACT PERSON: Name: <u>Charles E. Pehl</u>	Telephone No: <u>281-585-2817</u>

Field No: _____ (Submit separate form for each field, if site has two or more fields)

- Class B Sewage Sludge Land Applied: 171.93 dry tons / quarter
- Treated Domestic Septage - Land Applied: 0.00 gallons / quarter
- Method used to treat Domestic Septage: N/A
- Water Treatment Plant Sludge - Land Applied: 0.00 dry tons / quarter
- Class A sludge land applied: 0.00 dry tons / quarter

- a. Acreage used for Sludge Application/disposal at this site:- 73.83 acres
- b. Site Vegetation (such as grass type etc) and # of cuttings:- Bermuda/Native 8ton/AC/yr 4-6 cuttings
- 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: N 29° 54' 30", Longitude: W 95° 59' 07"
- e. Site physical address: west side of Adams Flat Road, Walker County
Texas

Please attach the information regarding the following items (Sewage Sludge only):-

* Please note the following information shall be provided in computer generated report format:

* Please place check mark before each item below to indicate you have attached that item with 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 REPORT TO :

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



Land Application Manifest Summary By Site

<Application Date Range: 03/01/2014 - 05/31/2014>

TCEQ # 22430

Site Type: Land Application
Permit No: WQ0004448000
Site Name: Carl Miller Farms 4 RN102911864
Address: Lat: 29 degrees 54' 30.29"N Lon: 95 degrees 59' 7.0"W Quality: Class B

Delivery Date	Time	Manifest	Generator	Liquid Gallons	Cake Yards	Percent Solids	Dry Tons	Dry Metric Tons	Field #	Acres	Land Use	Appl. Date
04/26/2014	12:15 PM	158343	FB 112		13	14.00	1.547000	1.403129	1	75.00	Hay/Pasture	04/26/2014
04/28/2014	02:45 PM	157794	Sealy, City of		20	10.00	1.700000	1.541900	1	75.00	Hay/Pasture	04/28/2014
04/28/2014	11:45 AM	158345	Chelford City		20	14.33	2.436100	2.209543	1	75.00	Hay/Pasture	04/28/2014
04/29/2014	09:00 AM	155433	Cinco Central		20	14.80	2.516000	2.282012	1	75.00	Hay/Pasture	04/29/2014
04/29/2014	04:00 PM	155436	Cinco Central		20	14.80	2.516000	2.282012	1	75.00	Hay/Pasture	04/29/2014
04/29/2014	04:00 AM	157795	FB 106		13	12.00	1.326000	1.202682	1	75.00	Hay/Pasture	04/29/2014
04/29/2014	05:45 AM	157796	Chelford City		20	14.33	2.436100	2.209543	1	75.00	Hay/Pasture	04/29/2014
04/29/2014	10:00 AM	157797	Rosenberg (1-A)		20	16.50	2.805000	2.544135	1	75.00	Hay/Pasture	04/29/2014
04/29/2014	12:00 PM	157798	Tomball North		20	10.90	1.853000	1.680671	1	75.00	Hay/Pasture	04/29/2014
04/29/2014	01:30 PM	158260	Cinco Southwest		20	12.00	2.040000	1.850280	1	75.00	Hay/Pasture	04/29/2014
04/29/2014	09:30 AM	158347	Sealy, City of		20	10.00	1.700000	1.541900	1	75.00	Hay/Pasture	04/29/2014
04/29/2014	01:45 PM	158349	Langham Creek		13	14.00	1.547000	1.403129	1	75.00	Hay/Pasture	04/29/2014
04/30/2014	04:15 AM	157800	Richmond Regional		20	14.20	2.414000	2.189498	1	75.00	Hay/Pasture	04/30/2014
04/30/2014	10:15 AM	157961	Cinco Southwest		20	14.00	2.380000	2.158660	1	75.00	Hay/Pasture	04/30/2014
04/30/2014	10:00 AM	158351	HC MUD 26		13	12.00	1.326000	1.202682	1	75.00	Hay/Pasture	04/30/2014
04/30/2014	12:15 PM	158352	Langham Creek		13	14.00	1.547000	1.403129	1	75.00	Hay/Pasture	04/30/2014
04/30/2014	06:15 AM	158481	Chelford City		20	14.33	2.436100	2.209543	1	75.00	Hay/Pasture	04/30/2014
04/30/2014	08:30 AM	158482	Rosenberg (1-A)		20	16.50	2.805000	2.544135	1	75.00	Hay/Pasture	04/30/2014
04/30/2014	01:00 PM	158484	FB 106		13	12.00	1.326000	1.202682	1	75.00	Hay/Pasture	04/30/2014
05/01/2014	12:00 AM	155403	FB 30		13	14.60	1.613300	1.463263	1	75.00	Hay/Pasture	05/01/2014
05/01/2014	02:00 PM	157962	FB MUD 34 (1)		20	12.00	2.040000	1.850280	1	75.00	Hay/Pasture	05/01/2014
05/01/2014	08:30 AM	158355	Cinco Central		20	14.80	2.516000	2.282012	1	75.00	Hay/Pasture	05/01/2014
05/01/2014	02:30 PM	158357	HC MUD 26		13	12.00	1.326000	1.202682	1	75.00	Hay/Pasture	05/01/2014
05/01/2014	04:30 PM	158358	Langham Creek		13	14.00	1.547000	1.403129	1	75.00	Hay/Pasture	05/01/2014
05/01/2014	04:15 AM	158485	Richmond Regional		20	14.20	2.414000	2.189498	1	75.00	Hay/Pasture	05/01/2014
05/01/2014	06:15 AM	158486	Chelford City		20	14.33	2.436100	2.209543	1	75.00	Hay/Pasture	05/01/2014
05/01/2014	08:30 AM	158487	Rosenberg (1-A)		20	16.50	2.805000	2.544135	1	75.00	Hay/Pasture	05/01/2014
05/01/2014	10:15 AM	158488	Sealy, City of		20	10.00	1.700000	1.541900	1	75.00	Hay/Pasture	05/01/2014
05/01/2014	12:30 PM	158489	Tomball South		20	15.70	2.669000	2.420783	1	75.00	Hay/Pasture	05/01/2014
05/02/2014	02:45 PM	157963	FB MUD 34 (1)		20	12.00	2.040000	1.850280	1	75.00	Hay/Pasture	05/02/2014
05/02/2014	09:00 AM	158359	FB 106		13	12.00	1.326000	1.202682	1	75.00	Hay/Pasture	05/02/2014
05/02/2014	04:15 AM	158490	Richmond Regional		20	14.20	2.414000	2.189498	1	75.00	Hay/Pasture	05/02/2014



Land Application Manifest Summary By Site

<Application Date Range: 03/01/2014 - 05/31/2014>

TCEQ # 22430

Site Type: Land Application
Permit No: WQ0004448000
Site Name: Carl Miller Farms 4 RN102911864
Address: Lat: 29 degrees 54' 30.29"N Lon: 95 degrees 59' 7.0"W Quality: Class B

Delivery Date	Time	Manifest	Generator	Liquid Gallons	Cake Yards	Percent Solids	Dry Tons	Dry Metric Tons	Field #	Acres Land Use	Appl. Date
05/02/2014	06:15 AM	158491	Chelford City		20	14.33	2.436100	2.209543	1	75.00 Hay/Pasture	05/02/2014
05/02/2014	11:15 AM	158493	Meadow Place		20	11.80	2.006000	1.819442	1	75.00 Hay/Pasture	05/02/2014
05/03/2014	12:00 PM	155407	HC WCID 109		20	15.10	2.567000	2.328269	1	75.00 Hay/Pasture	05/03/2014
05/03/2014	02:00 PM	155408	FB 30		13	14.60	1.613300	1.463263	1	75.00 Hay/Pasture	05/03/2014
05/03/2014	10:30 AM	158423	Cinco Central		20	14.80	2.516000	2.282012	1	75.00 Hay/Pasture	05/03/2014
05/03/2014	01:45 PM	158424	FB 112		13	12.00	1.326000	1.202682	1	75.00 Hay/Pasture	05/03/2014
05/03/2014	04:15 AM	158494	Tomball North		20	10.90	1.853000	1.680671	1	75.00 Hay/Pasture	05/03/2014
05/03/2014	06:15 AM	158495	Richmond Regional		20	14.20	2.414000	2.189498	1	75.00 Hay/Pasture	05/03/2014
05/05/2014	12:30 PM	158498	HC WCID 92		20	15.10	2.567000	2.328269	1	75.00 Hay/Pasture	05/05/2014
05/06/2014	12:15 PM	157964	Treschwig Central		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/06/2014
05/06/2014	04:00 PM	157965	Treschwig Central		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/06/2014
05/06/2014	10:00 AM	158430	FB 106		13	12.00	1.326000	1.202682	1	75.00 Hay/Pasture	05/06/2014
05/06/2014	05:30 AM	159101	Tomball South		20	15.70	2.669000	2.420783	1	75.00 Hay/Pasture	05/06/2014
05/06/2014	08:30 AM	159103	Bellville, City of		20	16.00	2.720000	2.467040	1	75.00 Hay/Pasture	05/06/2014
05/07/2014	09:45 AM	157966	Treschwig Central		20	14.00	2.380000	2.158660	1	75.00 Hay/Pasture	05/07/2014
05/07/2014	01:15 PM	157967	Treschwig Central		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/07/2014
05/07/2014	06:15 PM	157968	Treschwig Central		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/07/2014
05/07/2014	07:45 AM	158433	Tomball South		20	15.70	2.669000	2.420783	1	75.00 Hay/Pasture	05/07/2014
05/07/2014	10:30 AM	158434	Pecan Grove Water		20	27.08	4.603600	4.175465	1	75.00 Hay/Pasture	05/07/2014
05/07/2014	06:00 AM	159105	FB 106		13	12.00	1.326000	1.202682	1	75.00 Hay/Pasture	05/07/2014
05/08/2014	04:00 PM	159108	FB 106		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/08/2014
05/15/2014	10:15 AM	155395	HC WCID 109		20	15.10	2.567000	2.328269	1	75.00 Hay/Pasture	05/15/2014
05/15/2014	12:15 PM	155396	FB 30		13	14.60	1.613300	1.463263	1	75.00 Hay/Pasture	05/15/2014
05/15/2014	07:45 AM	159188	Bellville, City of		20	16.00	2.720000	2.467040	1	75.00 Hay/Pasture	05/15/2014
05/16/2014	07:45 AM	157975	HC MUD 71		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/16/2014
05/16/2014	12:15 PM	157976	HC MUD 71		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/16/2014
05/16/2014	10:00 AM	159155	HC MUD 36		13	12.00	1.326000	1.202682	1	75.00 Hay/Pasture	05/16/2014
05/16/2014	01:45 PM	159196	HC WCID 109		20	15.10	2.567000	2.328269	1	75.00 Hay/Pasture	05/16/2014
05/17/2014	07:15 AM	157977	HC MUD 71		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/17/2014
05/17/2014	09:30 AM	157978	HC MUD 71		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/17/2014
05/17/2014	05:15 PM	157979	HC MUD 71		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/17/2014
05/17/2014	02:00 PM	158661	Sealy, City of		20	10.00	1.700000	1.541900	1	75.00 Hay/Pasture	05/17/2014



Land Application Manifest Summary By Site

<Application Date Range: 03/01/2014 - 05/31/2014>

TCEQ # 22430

Site Type: Land Application
Permit No: WQ0004448000
Site Name: Carl Miller Farms 4 RN102911864
Address: Lat: 29 degrees 54' 30.29"N Lon: 95 degrees 59' 7.0"W Quality: Class B

Delivery Date	Time	Manifest	Generator	Liquid Gallons	Cake Yards	Percent Solids	Dry Tons	Dry Metric Tons	Field #	Acres Land Use	Appl. Date
05/17/2014	09:15 AM	159159	HC WCID 92		20	15.10	2.567000	2.328269	1	75.00 Hay/Pasture	05/17/2014
05/17/2014	05:45 AM	159197	Richmond Regional		20	14.20	2.414000	2.189498	1	75.00 Hay/Pasture	05/17/2014
05/17/2014	11:00 AM	159198	Chelford City		20	14.33	2.436100	2.209543	1	75.00 Hay/Pasture	05/17/2014
05/19/2014	07:15 AM	157980	HC MUD 71		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/19/2014
05/19/2014	01:30 PM	158662	Meadow Place		20	11.80	2.006000	1.819442	1	75.00 Hay/Pasture	05/19/2014
05/19/2014	09:15 AM	159301	HC MUD 71		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/19/2014
05/19/2014	06:00 PM	159302	HC MUD 71		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/19/2014
05/20/2014	06:00 PM	158666	Meadow Place		20	11.80	2.006000	1.819442	1	75.00 Hay/Pasture	05/20/2014
05/20/2014	08:00 AM	158821	Chelford City		20	14.33	2.436100	2.209543	1	75.00 Hay/Pasture	05/20/2014
05/20/2014	05:45 AM	159200	Richmond Regional		20	14.20	2.414000	2.189498	1	75.00 Hay/Pasture	05/20/2014
05/20/2014	07:15 PM	159304	HC MUD 365		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/20/2014
05/21/2014	03:45 AM	158823	Tomball North		20	11.39	1.936300	1.756224	1	75.00 Hay/Pasture	05/21/2014
05/21/2014	06:00 AM	158824	Meadow Place		20	11.80	2.006000	1.819442	1	75.00 Hay/Pasture	05/21/2014
05/21/2014	09:15 AM	159305	HC MUD 365		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/21/2014
05/21/2014	12:00 PM	159306	HC MUD 365		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/21/2014
05/21/2014	04:45 PM	159307	HC MUD 365		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/21/2014
05/22/2014	11:15 AM	159308	HC MUD 365		20	12.00	2.040000	1.850280	1	75.00 Hay/Pasture	05/22/2014
Site Total				0	1,508		171.929500	155.940058			

**Appendix A
Agronomic Rate Calculations**

TCEQ 04448

Part 1: Biosolids Application Rate

9/1/2013 to 5/31/2014

Step 1- CALCULATE QUANTITY OF NUTRIENTS & METALS IN POUNDS PER TON.

Nutrients	Percent	Conversion Factor	Pounds per ton
Total Nitrogen (TKN)	3.79	x 20 =	75.8
Ammonium Nitrogen (NH4)	0.42	x 20 =	8.4
Nitrate Nitrogen (NO3)	0.11	x 20 =	2.2
Total Phosphorus (P)	0.82	x 20 =	16.4
Total Potassium (K)	0.27	x 20 =	5.4

Pollutants (mg/kg x 0.002 = lb./ton)	mg/kg*	Conversion Factor	lb./ton
Total Arsenic (As)	6.02	x 0.002 =	0.01204
Total Cadmium (Cd)	1.55	x 0.002 =	0.0031
Total Chromium (Cr)	20.58	x 0.002 =	0.04116
Total Copper (Cu)	366.87	x 0.002 =	0.73374
Total Lead (Pb)	16.79	x 0.002 =	0.03358
Total Mercury (Hg)	0.57	x 0.002 =	0.00114
Total Molybdenum (Mo)	9.69	x 0.002 =	0.01938
Total Nickel (Ni)	11.83	x 0.002 =	0.02366
Total Selenium (Se)	9.89	x 0.002 =	0.01978
Total Zinc (Zn)	750.59	x 0.002 =	1.50118

* Values from sludge tests (dry weight)

(Conversion: mg/kg x 0.0001 = %; PPM = mg/kg)

Appendix A
Agronomic Rate Calculations

TCEQ 04448

Step 2.- SOIL TEST ANALYSIS AND FERTILIZER RECOMMENDATIONS

Note: Please include fertilizer recommendation from the local County Extension Service or equivalent source for determining the nitrogen need for the specific crop(s)

Intended Crop(s): Bermudagrass and native pasture grasses

Yield Goal(s): 8 tons/ac in 4 to 6 cuttings.

pH: 7.0

	<u>N lb/ac</u>
A. Crop nutrient need for specific yield goal**	400
B. Nutrients available in soil	50.87
= 2 x NO3-N (ppm)(0-6"soil depth)+ 6 x NO3-N(ppm)(6-24" soil depth)	
C. Nutrient amount still needed: (A -B) (enter this amount in step 4A.)	349.13

** Crop nutrient need is based on 50 lb.N/ton of forage, Texas Agriculture Extension Service, Fertilizing Summer Perennial Pastures, Publication I-2210.

Step 3 - CALCULATE THE PLANT AVAILABLE NITROGEN (PAN) PROVIDED BY THE SLUDGE.

(Use the values for Total N, NH4-N and NO3-N from Step 1)

	<u>%</u>	<u>lb./ton</u>
A. Organic-N = Total N-(NH ₄ -N+NO ₃ -N)	3.26	65.2
B. Ammonium Nitrogen (NH ₄ -N)	0.42	8.4
C. Nitrate Nitrogen (NO ₃ -N)	0.11	2.2
D.Total PAN = (0.3 x 3A) + (0.5 x 3B) + 3C =	1.508	25.96

Step 4. CALCULATE MAXIMUM SLUDGE APPLICATION RATE FROM CROP NITROGEN NEED (BAR_N):

A. Enter amount from Step 2. Nitrogen amount still needed:	349.13	<i>lb./ac./yr</i>
B. Enter amount from Step 3D. Total PAN in sludge	25.96	<i>lb./ton</i>
C. Sludge application rate(SAR_N)	13.45	<i>ton/ac./yr</i>

**Appendix A
Agronomic Rate Calculations**

TCEQ 04448

Step 5 - CALCULATE MAXIMUM SLUDGE APPLICATION RATE BASED ON METALS (SARM).

	A	B	C	D	E	F
	Cumulative Metal Limits (lb./ac.)	Max Metal Loading/yr (lb./ac./yr)	Metals in Sludge (lb./ton)	Metals Applied Annually at SARN (lb./ac./yr)	Metals Applied Annually at SARM (lb./ac./yr)	Max Sludge Loading Rate (ton/ac.)
Pollutants	Appendix C	Appendix C	(Step 1)	C x SARN	B/C	A/C
Arsenic	36	1.8	0.01204	0.161923159	0.161923159	2990.033223
Cadmium	35	1.7	0.0031	0.041691179	0.041691179	11290.32258
Chromium	2677	134	0.04116	0.553551263	0.553551263	65038.87269
Copper	1339	67	0.73374	9.867898544	9.867898544	1824.897103
Lead	268	13	0.03358	0.451609607	0.451609607	7980.941036
Mercury	15	0.76	0.00114	0.015331595	0.015331595	13157.89474
Molybdenum	Monitor	Monitor				
Nickel	375	18.7	0.02366	0.318197835	0.318197835	15849.53508
Selenium	89	4.5	0.01978	0.266016618	0.266016618	4499.494439
Zinc	2500	125	1.50118	20.18902055	20.18902055	1665.356586
Other						

If value in column B > D use nitrogen for biosolids application rate.

If value in column B < D use pollutant for biosolids application rate.

Step 6. CALCULATE SITE LIFE AND MAXIMUM APPLICATION RATE BASED ON CUMULATIVE LOADING OF NITROGEN OR LIMITING METAL(S).

A. Maximum allowable cumulative biosolids loading rate:	1665.36	<i>tons/acre</i>
B. Previous application of biosolids:	8.15	<i>tons/acre</i>
C. Remaining biosolids application rate to reach metal limits:	1657.21	<i>tons/acre</i>
D. Maximum allowable biosolids application rate:	13.45	<i>tons/acre/yr</i>
E. Years remaining to reach the maximum cumulative loading:	123	<i>years</i>

Application Rate Report By Site

<Date Range: 09/01/2013 - 05/31/2014>

TCEQ # 22430

Permit No.: WQ0004448000

Site ID: 04448

Address: Lat: 29 degrees 54' 30.29"N Lon: 95 degrees 59' 7.0"W Quality: Class B

Generator	Dry Tons	Lbs/ Acre	Lbs/ Ton	Lbs														
				Arsenic	Cadium	Chromium	Copper	Lead	Mercury	Moly	Nickel	Selenium	Zinc	Phos	Potas	TKN	A-Nit	N-Nit
BC MUD 25	0.57	1.86	245.72	0.01	0.00	0.02	0.32	0.01	0.00	0.01	0.02	0.01	1.64	42.75	13.68	47.46	2.99	31.14
Bellville, City of	10.88	14.91	102.78	0.07	0.04	0.44	10.03	1.23	0.02	0.11	0.43	0.16	28.68	206.72	26.11	833.41	4.35	6.53
Chelford City	90.14	3.94	3.28	0.82	0.31	2.46	27.33	0.41	0.02	2.46	1.02	1.23	169.64	18.03	18.03	18.03	18.03	18.03
Cinco Central	47.80	87.32	137.02	0.26	0.02	0.76	12.52	0.21	0.06	0.32	0.46	0.28	14.34	697.94	229.46	4809.08	783.99	0.00
Cinco Southwest	11.56	26.35	170.98	0.02	0.00	0.09	2.08	0.04	0.00	0.07	0.09	0.06	4.35	136.41	50.86	1451.94	180.34	150.28
Eagle Lake WWTP	2.52	1.52	45.29	0.04	0.01	0.15	2.01	0.28	0.01	0.04	0.14	0.09	5.18	79.00	22.14	4.53	0.50	0.00
FB 106	17.95	3.09	12.93	0.92	0.24	0.74	19.25	0.56	0.04	0.87	0.74	0.93	35.53	64.63	3.59	96.94	3.59	3.59
FB 112	8.35	9.51	85.42	0.07	0.07	0.37	10.32	0.07	0.01	0.37	0.37	0.29	16.91	165.27	101.83	395.65	15.02	6.68
FB 30	13.78	49.24	268.03	0.13	0.03	0.45	7.59	0.13	0.03	0.15	0.25	0.20	23.13	325.09	101.94	3058.07	176.32	0.00
FB MUD 34 (1)	20.74	50.98	184.36	0.21	0.02	0.27	16.09	0.18	0.02	0.34	0.34	0.23	23.06	825.45	269.62	2551.02	132.74	4.15
HC 358 Fairfield Vil	0.62	2.38	288.46	0.02	0.00	0.02	2.62	0.01	0.00	0.01	0.01	0.01	1.21	31.17	11.22	112.21	19.95	0.37
HC FWSD 6 (Dezavala)	1.55	0.12	5.90	0.03	0.03	0.20	1.03	0.17	0.01	0.03	0.03	0.03	4.80	1.24	0.31	0.62	0.31	0.31
HC MUD 26	12.32	32.93	200.46	0.08	0.02	0.45	3.99	0.22	0.01	0.14	0.24	0.23	12.57	450.94	167.56	1357.75	125.67	349.91
HC MUD 36	1.33	3.92	221.57	0.01	0.00	0.03	0.91	0.02	0.00	0.02	0.03	0.01	1.41	50.39	16.18	166.02	22.01	37.66
HC MUD 365	10.20	8.72	64.18	0.10	0.10	0.38	2.44	0.19	0.02	0.19	0.29	0.38	14.13	153.00	153.00	222.36	61.20	46.92
HC MUD 71	19.44	33.81	130.47	0.17	0.11	1.09	12.47	1.90	0.06	0.68	0.77	0.12	27.14	233.24	104.96	1823.20	272.12	58.31
HC MUD 8	7.14	14.14	148.57	0.03	0.02	0.28	5.03	0.22	0.01	0.11	0.24	0.08	9.54	484.09	118.52	364.14	58.55	19.99
HC WCID 109	15.40	1.33	6.50	0.14	0.07	0.64	10.32	0.86	0.01	0.22	0.64	0.14	31.74	3.08	3.08	21.56	6.16	21.56
HC WCID 92	15.40	55.82	271.87	0.11	0.04	0.48	9.46	0.53	0.01	0.31	0.42	0.24	25.96	486.70	135.54	2926.38	600.68	0.00
Langham Creek	17.14	42.05	184.00	0.12	0.05	0.55	14.74	0.55	0.01	0.31	0.41	0.20	31.87	479.81	178.21	2330.50	102.82	13.71
Meadow Place	12.92	8.31	48.25	0.11	0.03	1.22	12.17	0.82	0.00	0.13	0.38	1.88	33.07	242.90	62.02	260.98	2.58	5.17
NWHC 21- 23	10.23	14.11	103.45	0.07	0.02	0.37	5.75	0.25	0.01	0.15	0.28	0.13	15.64	382.75	104.39	431.87	114.62	2.05
Pecan Grove Wastewat	12.51	5.58	33.48	0.19	0.03	0.74	14.17	0.69	0.00	0.14	0.35	0.18	24.55	45.04	57.56	197.69	2.50	75.07
Pecan Grove Water Tr	4.60	0.08	1.35	0.34	0.02	0.19	0.23	0.00	0.00	0.00	0.19	0.00	0.65	0.92	0.92	0.92	0.92	0.92
Ponderosa JPA	25.33	64.17	190.00	0.08	0.02	0.20	4.24	0.42	0.02	0.11	0.25	0.11	14.94	435.68	141.85	3718.44	288.76	207.71
Richmond Regional WW	31.38	14.83	35.45	0.14	0.08	4.86	48.57	2.16	0.01	0.68	1.20	0.25	69.30	112.98	169.46	646.47	37.66	18.83
Richmond SW (FB	0.72	0.09	10.24	0.01	0.01	0.09	0.76	0.03	0.00	0.01	0.02	0.01	2.00	3.01	0.14	0.72	0.43	0.14
Rosenberg (1-A)	19.64	31.14	118.95	1.21	0.06	0.99	17.99	2.14	0.06	0.29	0.59	0.26	38.92	0.00	106.03	2152.00	3.93	11.78
Sealy, City of	11.90	21.60	136.14	0.12	0.05	0.69	8.71	0.89	0.02	0.18	0.59	0.20	11.68	380.80	49.98	999.60	166.60	0.00
Tomball North WWTP	14.91	30.60	153.94	0.08	0.04	0.65	24.27	0.66	0.02	0.42	0.40	0.30	26.48	447.22	50.68	1633.84	110.31	0.00
Tomball South WWTP	21.35	46.09	161.94	0.04	0.03	0.96	54.66	0.57	0.02	0.37	0.47	1.73	29.25	508.18	85.41	2596.40	158.00	21.35
Treschwig Central Pl	10.54	19.67	140.00	0.05	0.03	0.42	5.21	0.31	0.01	0.14	0.23	0.17	1.87	263.50	69.56	999.19	96.97	37.94
West Memorial	36.72	92.92	189.80	0.69	0.06	0.88	27.17	1.32	0.09	1.03	0.81	0.49	55.81	1101.60	271.73	4553.28	954.72	0.00
Total	537.58	793.29	110.67	6.47	1.67	22.13	394.44	18.05	0.62	10.41	12.72	10.63	807.00	8859.52	2895.57	40782.27	4525.34	1150.10
Weighted Test Data				6.02	1.55	20.58	366.87	16.79	0.57	9.69	11.83	9.89	750.59	0.82	0.27	3.79	0.42	0.11

**Facilities Approved
by TCEQ for
Land Application**

Date: 05/31/2014

Facility Name	Permit Number	Approval Date
BMI Lime Stabilization Facility	4364	3/3/2004
BMI Lime Stabilization Facility	4538	7/26/2004
Addicks	11696-002	2/4/2003
Aldine Jr High	12072-001	2/4/2003
Arcola, City of	13362-001	1/26/2006
Bacliff	10627-001	2/4/2003
Bay View, City of	10770-001	8/22/2012
Bellville, City of	10385-002	3/3/2004
BC1	12332-001	2/4/2003
BC 31	14546-001	12/2/2011
Bernard Timbers WSC	12097-001	7/26/2004
Bilma	12025-001	1/26/2006
Blue Ridge	11553-001	2/4/2003
Burton, City	12193001	3/4/2014
Carby MHP	14217-001	1/12/2005
Castlewood	11883-001	2/4/2003
Chelford City	14418-001	7/24/2013
Cinco Central	13558-001	2/4/2003
Cinco South	13172-002	2/4/2003
Cinco Southwest	14343-001	12/2/2011
Copperfield	11947-001	2/4/2003
Crosby	11388-001	2/4/2003
Cy-Klein	11366-001	3/3/2004
Durkee Manor	10419-001	3/3/2004
Dynamics Products	11841-001	10/21/2005
Emerson EST	14285-001	12/10/2004
Fairgreen	11791-001	2/4/2003
Fondren (HC WCID) Road	10570-001	2/4/2003
Fort Bend 25	12003-001	4/29/2003
Fort Bend 26	12073-001	3/3/2004
Fort Bend 30	12068-001	3/08/2012
Fort Bend 37	12370-001	2/4/2003
Fort Bend 81	13051-002	2/4/2003
Fort Bend 106	12356-001	2/4/2003
Fort Bend 116	13976-001	2/4/2003
Fort Bend 142	14408-001	3/29/2007
Fry Road	11989-001	10/21/2005
Grantham	12070-002	2/4/2003
Greentrails	12289-001	2/4/2003
Harris County Detention Center (HCDC)	13561-001	11/7/2006
Harris County Juvenile Boot Camp (HCBC)	13921-001	12/10/2004
HC/FB 1	12805-001	2/4/2003
HC 8	11727-001	4/29/2013
HCFWSD 6	10184-001	3/3/2004
HC FWSD 58	11941-001	2/4/2003
HC WCID 109	11026-002	2/4/2003
HC 24	11988-001	2/4/2003
HC 26	11406-001	2/4/2003
HC 58	11941-001	3/3/2004
HC 70	11486-001	1/12/2005
HC 71	11947-001	5/15/2013

**Facilities Approved
by TCEQ for
Land Application**

Facility Name	Permit Number	Approval Date
HC 82	11799-001	3/3/2004
HC 89	12939-001	4/29/2003
HC WCID 92	10908-001	5/15/2013
HC 104	11925-001	9/5/2012
HC 105	11792-002	4/29/2003
HC 122	12250-001	4/26/2004
HC 130	12574-001	11/14/2013
HC 155	12726-001	2/4/2003
HC 185	12124-001	12/2/2011
HC 196	12447-001	2/4/2003
HC 200	12294-001	3/3/2004
HC 238	12802-001	2/4/2003
HC 249	13765-001	2/4/2003
HC 284	12949-001	2/4/2003
HC 345	12356-001	12/2/2011
HC 358	13290-002	5/15/2013
HC 365	13881-001	4/18/2013
HC 368	12044-001	3/3/2004
HC 374	14354-001	4/10/2013
HC 391	14327-001	12/2/2011
HC 405	14448-001	6/6/2013
HC 432	14589-001	11/14/2013
HC 408	14606-001	6/6/2013
Heather Glen	11231-001	2/4/2003
High Meadow	10812-001	2/4/2003
Hillman Schrimp	03719-001	2/4/2003
Holiday Inn Airport	14066-001	2/4/2003
Horsebend Bayou	12128-001	3/15/2011
Hunter's Glen	11618-001	2/4/2003
Inverness Forest	10783-001	2/4/2003
Katy, City of	10706-001	4/29/2003
Langham Creek	11682-001	12/13/2005
Manford Williams Elementary 8	13007-001	4/29/2003
Mayde Creek	11969-001	3/3/2004
Meadow Hill	11215-001	3/3/2004
Meadow Place	11039-001	10/15/2012
MC UD 2	11271-001	5/3/2013
MC 15	11395-001	2/4/2003
MC 24	14116-001	11/14/2013
MC 56	13760-001	12/2/2011
MC 112	14671001	3/15/2011
MC-Woodland Oaks	14166-001	5/3/2013
Missouri City	13873-001	2/4/2003
New Ulm	13655-001	2/7/2007
Northforest	10905-001	2/4/2003
Northampton	10910-001	12/10/2004
Northline	10518-001	2/4/2003
North Mission Glen	12379-001	1/15/2013
North Park	11855-001	2/4/2003
NWHC 9	14030-001	2/4/2003
NWHC 10	11912-002	2/4/2003
NWHC 15	11939-001	3/3/2004

**Facilities Approved
by TCEQ for
Land Application**

Facility Name	Permit Number	Approval Date
NWHC 20	13625-001	3/3/2004
NWHC 21-23	12144-001	3/3/2004
NWHC 24	13760-001	11/14/2013
NWHC 36	13573-001	12/2/2011
Oakwilde	10236-001	3/3/2004
Orange Grove	12070-004	2/4/2003
Palmer Plantation	12937-001	3/3/2004
Pearland, City of	21484-001	3/3/2004
Pecan Grove	11655-001	3/3/2005
Plantation	11971-001	1/12/2005
Plantation Crossing	14490-001	12/2/2011
Ponderosa, Joint Powers	11081-001	2/4/2003
Rayford Road	12030-001	2/4/2003
Remington	11328-001	4/29/2005
Richmond, City of	10258-003	3/15/2011
River Oaks MHP	12692-001	12/10/2004
Riverside MHP(Glen Oaks)	12296-001	11/7/2006
Rosenberg, City of	10607-003	3/20/2013
Sealy, City of	10276-001	3/15/2011
Sienna Plantation	14100-001	3/15/2011
Southern Montgomery County	11001-01	7/26/2005
SWHC 1	12641-001	2/4/2003
Spring Creek	11574-001	2/4/2003
Spring Cypress	13711-001	2/4/2003
Sugarland, City of	12833-001	4/29/2005
Tiki Island	10879-001	2/4/2003
Timbercrest	13487-001	3/3/2004
Timberlake	11267-001	3/8/2012
Timberlane	11142-002	1/26/2006
City of Tomball, North	101616-001	2/26/2013
City of Tomball, South	101616-002	2/26/2013
Varco Shaffer	3994	12/10/2004
Waller, City of	10310-001	9/13/2012
WHC 7	12140-001	12/2/2011
WHC 11	13689-001	2/4/2003
WHC 15	12233-001	12/10/2004
Westlake	11284-001	11/14/2013
West Memorial	11152-001	2/4/2003
Westmont MHP	12761-001	12/10/2004
West Park	12346-001	7/26/2004
Ann Louise Ed Complex (Alief ISD)Wilson	13609-001	2/4/2003
WHC 10 (Winchester)	10472-001	2/4/2003
Wild Peach Elementary (CBISD)	12103-001	9/3/2013
Williamsburg	11598-001	3/3/2004
Willow River Farms	13466-001	7/26/2004
Woodcreek	11933-001	2/4/2003
Woodland Oaks	11670-001	3/3/2004