

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:	3rd	Reporting period:	From September 1, 2013 to August 31, 2014
Registration No:	WQ 000 4445 000		Date: June 4, 2014
Name of Registrant:	K-3 Resources, LP		
Mailing Address:	PO Box 2236, Alvin, TX 77512		
Contact Person	Name: Charles E. Pehl, PhD, PG	Telephone No:	281-585-2817

Field No. (if any): \_\_\_\_\_ (Submit separate form for each field, if site has two or more fields).

Class B Sewage Sludge Land Applied: **365.43** 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

b. Site Vegetation (such as grass type etc) and # of cuttings **Bermuda and native pasture grass, 10 tons/AC in 4 to 6 cuttings.**

c. Does any of the sludge you have generated or received ~~exceed~~ 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° 55' 02"** Longitude: **W 95° 58' 06"**

e. Site physical address: **SH 529, Waller Co. TX**

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 ANNUAL 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:** WQ0004445000  
**Site Name:** Carl Miller Farms 1 RN102913431  
**Address:** Lat: 29 degrees 55' 1.94"N Long: 95 degrees 58' 5.66"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
03/01/2014	08:15 AM	155017	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75 Hay/Pasture	03/01/2014
03/01/2014	09:15 AM	155921	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/01/2014
03/01/2014	07:30 AM	156158	West Memorial		20	12.00	2.040000	1.850280	1	55.75 Hay/Pasture	03/01/2014
03/01/2014	01:30 PM	156159	West Memorial		20	12.00	2.040000	1.850280	1	55.75 Hay/Pasture	03/01/2014
03/01/2014	04:45 PM	156160	West Memorial		20	12.00	2.040000	1.850280	1	55.75 Hay/Pasture	03/01/2014
03/01/2014	11:00 AM	156385	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/01/2014
03/03/2014	08:15 AM	155881	West Memorial		20	12.00	2.040000	1.850280	1	55.75 Hay/Pasture	03/03/2014
03/03/2014	11:15 AM	155923	Cinco Central		20	14.80	2.516000	2.282012	1	55.75 Hay/Pasture	03/03/2014
03/03/2014	02:00 PM	155924	Bellville, City of		20	16.00	2.720000	2.467040	1	55.75 Hay/Pasture	03/03/2014
03/03/2014	12:45 PM	156386	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/03/2014
03/06/2014	10:30 AM	155110	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	12:30 PM	155111	FB 30		13	14.60	1.613300	1.463263	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	02:30 PM	155112	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	10:45 AM	155887	HC 155		20	11.70	1.989000	1.804023	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	02:30 PM	155888	HC 155		20	11.70	1.989000	1.804023	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	08:15 PM	155889	HC 155		20	11.70	1.989000	1.804023	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	03:45 AM	155930	Cinco Central		20	14.80	2.516000	2.282012	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	08:45 AM	155932	Langham Creek		13	14.00	1.547000	1.403129	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	12:45 PM	155933	HC MUD 200		20	12.50	2.125000	1.927375	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	09:00 AM	156397	Tomball South		20	15.70	2.669000	2.420783	1	55.75 Hay/Pasture	03/06/2014
03/06/2014	12:00 PM	156398	HC WCID 92		20	15.10	2.567000	2.328269	1	55.75 Hay/Pasture	03/06/2014
03/07/2014	08:15 AM	155113	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	01:00 PM	155115	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	08:00 AM	155890	HC 155		20	11.70	1.989000	1.804023	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	10:15 AM	155891	HC 155		20	11.70	1.989000	1.804023	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	08:15 AM	155935	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	11:00 AM	155936	FB 106		13	12.00	1.326000	1.202682	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	01:00 PM	155937	Bellville, City of		20	16.00	2.720000	2.467040	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	03:00 PM	155938	Cinco Central		20	14.80	2.516000	2.282012	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	08:45 AM	155941	Cinco Central		20	14.80	2.516000	2.282012	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	12:00 PM	155942	HC MUD 26		13	12.50	1.381250	1.252794	1	55.75 Hay/Pasture	03/07/2014
03/07/2014	06:30 AM	156400	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75 Hay/Pasture	03/07/2014



# Land Application Manifest Summary By Site

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

TCEQ # 22430

**Site Type:** Land Application  
**Permit No:** WQ0004445000  
**Site Name:** Carl Miller Farms 1 RN102913431  
**Address:** Lat: 29 degrees 55' 1.94"N Long: 95 degrees 58' 5.66"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
03/08/2014	07:00 AM	155117	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75 Hay/Pasture	03/08/2014
03/08/2014	10:30 AM	155118	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/08/2014
03/08/2014	12:30 PM	155119	FB 30		13	14.60	1.613300	1.463263	1	55.75 Hay/Pasture	03/08/2014
03/08/2014	08:45 AM	155939	HC MUD 200		20	12.50	2.125000	1.927375	1	55.75 Hay/Pasture	03/08/2014
03/08/2014	04:15 AM	155944	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75 Hay/Pasture	03/08/2014
03/11/2014	02:00 PM	157025	FB 30		13	14.60	1.613300	1.463263	1	55.75 Hay/Pasture	03/11/2014
03/12/2014	07:45 AM	155952	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75 Hay/Pasture	03/12/2014
03/12/2014	10:15 AM	155953	Tomball South		20	15.70	2.669000	2.420783	1	55.75 Hay/Pasture	03/12/2014
03/12/2014	12:55 PM	155954	Meadow Place		20	11.80	2.006000	1.819442	1	55.75 Hay/Pasture	03/12/2014
03/12/2014	12:00 PM	157027	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/12/2014
03/12/2014	03:00 PM	157028	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/12/2014
03/05/2014	07:00 AM	155105	Ponderosa JPA		20	12.50	2.125000	1.927375	1	55.75 Hay/Pasture	03/13/2014
03/05/2014	10:30 AM	155106	Sealy, City of		20	10.00	1.700000	1.541900	1	55.75 Hay/Pasture	03/13/2014
03/05/2014	12:30 PM	155107	FB 30		20	14.60	2.482000	2.251174	1	55.75 Hay/Pasture	03/13/2014
03/06/2014	10:00 AM	155109	Ponderosa JPA		20	12.50	2.125000	1.927375	1	55.75 Hay/Pasture	03/13/2014
03/13/2014	08:00 AM	155129	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75 Hay/Pasture	03/13/2014
03/13/2014	10:45 AM	155130	FB 30		13	14.60	1.613300	1.463263	1	55.75 Hay/Pasture	03/13/2014
03/13/2014	01:00 PM	155131	Cinco Central		20	14.80	2.516000	2.282012	1	55.75 Hay/Pasture	03/13/2014
03/05/2014	10:00 AM	155883	HC 155		20	11.70	1.989000	1.804023	1	55.75 Hay/Pasture	03/13/2014
03/05/2014	11:45 AM	155884	HC 155		20	11.70	1.989000	1.804023	1	55.75 Hay/Pasture	03/13/2014
03/05/2014	05:45 PM	155885	HC 155		20	11.70	1.989000	1.804023	1	55.75 Hay/Pasture	03/13/2014
03/05/2014	09:00 AM	155886	HC 155		20	11.70	1.989000	1.804023	1	55.75 Hay/Pasture	03/13/2014
03/04/2014	09:00 AM	155925	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/13/2014
03/04/2014	11:45 AM	155926	FB 106		13	12.00	1.326000	1.202682	1	55.75 Hay/Pasture	03/13/2014
03/05/2014	09:15 AM	155927	FB 106		13	12.00	1.326000	1.202682	1	55.75 Hay/Pasture	03/13/2014
03/05/2014	11:15 AM	155928	Cinco Central		20	14.80	2.516000	2.282012	1	55.75 Hay/Pasture	03/13/2014
03/05/2014	01:15 PM	155929	Chelford City		20	14.33	2.436100	2.209543	1	55.75 Hay/Pasture	03/13/2014
03/06/2014	06:00 AM	155931	FB 106		13	12.00	1.326000	1.202682	1	55.75 Hay/Pasture	03/13/2014
03/13/2014	06:15 AM	155955	FB 106		13	12.00	1.326000	1.202682	1	55.75 Hay/Pasture	03/13/2014
03/13/2014	09:00 AM	155956	Eagle Lake WWTP		20	14.80	2.516000	2.282012	1	55.75 Hay/Pasture	03/13/2014
03/13/2014	12:15 PM	155957	HC WCID 92		20	15.10	2.567000	2.328269	1	55.75 Hay/Pasture	03/13/2014
03/04/2014	10:00 AM	156387	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75 Hay/Pasture	03/13/2014



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TCEQ # 22430

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**Address:** Lat: 29 degrees 55' 1.94"N Long: 95 degrees 58' 5.66"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
03/04/2014	10:00 AM	156389	HC MUD 200		20	12.50	2.125000	1.927375	1	55.75	Hay/Pasture	03/13/2014
03/05/2014	10:00 AM	156391	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75	Hay/Pasture	03/13/2014
03/05/2014	07:15 AM	156392	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/13/2014
03/05/2014	11:45 AM	156393	HC MUD 26		13	12.50	1.381250	1.252794	1	55.75	Hay/Pasture	03/13/2014
03/05/2014	01:00 PM	156394	Sealy, City of		20	10.00	1.700000	1.541900	1	55.75	Hay/Pasture	03/13/2014
03/06/2014	09:00 AM	156395	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75	Hay/Pasture	03/13/2014
03/06/2014	10:00 AM	156396	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/13/2014
03/05/2014	08:00 PM	156420	HC 155		20	11.70	1.989000	1.804023	1	55.75	Hay/Pasture	03/13/2014
03/04/2014	08:45 AM	157023	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/13/2014
03/13/2014	08:30 AM	157029	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/13/2014
03/14/2014	12:00 PM	155132	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/14/2014
03/14/2014	11:30 AM	155133	NWHC 21- 23		13	14.00	1.547000	1.403129	1	55.75	Hay/Pasture	03/14/2014
03/14/2014	08:00 PM	155900	HC MUD 365		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/14/2014
03/14/2014	05:00 AM	155958	Langham Creek		13	14.00	1.547000	1.403129	1	55.75	Hay/Pasture	03/14/2014
03/14/2014	12:45 PM	155959	HC MUD 26		13	12.50	1.381250	1.252794	1	55.75	Hay/Pasture	03/14/2014
03/14/2014	08:15 AM	157030	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/14/2014
03/14/2014	11:30 AM	157031	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75	Hay/Pasture	03/14/2014
03/14/2014	01:30 PM	157032	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/14/2014
03/14/2014	04:45 PM	157033	FB 112		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/14/2014
03/15/2014	08:30 AM	157034	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/15/2014
03/15/2014	10:30 AM	157035	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/15/2014
03/15/2014	01:30 PM	157036	HC MUD 200		20	12.50	2.125000	1.927375	1	55.75	Hay/Pasture	03/15/2014
03/15/2014	05:30 AM	157141	FB 106		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/15/2014
03/15/2014	07:15 AM	157142	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/15/2014
03/15/2014	08:45 AM	157143	Sealy, City of		20	10.00	1.700000	1.541900	1	55.75	Hay/Pasture	03/15/2014
03/17/2014	08:30 AM	155135	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/17/2014
03/17/2014	11:45 AM	155136	Tomball North		20	10.90	1.853000	1.680671	1	55.75	Hay/Pasture	03/17/2014
03/17/2014	04:45 PM	157222	HC MUD 365		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/17/2014
03/18/2014	07:30 AM	155139	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/18/2014
03/18/2014	10:30 AM	155140	FB 30		13	14.60	1.613300	1.463263	1	55.75	Hay/Pasture	03/18/2014
03/18/2014	02:45 PM	155142	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/18/2014
03/18/2014	09:15 AM	157039	FB 112		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/18/2014



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

TCEQ # 22430

**Site Type:** Land Application  
**Permit No:** WQ0004445000  
**Site Name:** Carl Miller Farms 1 RN102913431  
**Address:** Lat: 29 degrees 55' 1.94"N Long: 95 degrees 58' 5.66"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
03/18/2014	12:45 PM	157040	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/18/2014
03/18/2014	06:15 AM	157146	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/18/2014
03/18/2014	08:00 AM	157147	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/18/2014
03/18/2014	02:30 PM	157149	HC WCID 92		20	15.10	2.567000	2.328269	1	55.75	Hay/Pasture	03/18/2014
03/18/2014	09:15 AM	157228	HC MUD 365		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/18/2014
03/18/2014	03:30 PM	157241	HC WCID 109		20	15.10	2.567000	2.328269	1	55.75	Hay/Pasture	03/18/2014
03/18/2014	05:45 PM	157242	Bellville, City of		20	16.00	2.720000	2.467040	1	55.75	Hay/Pasture	03/18/2014
03/11/2014	10:00 AM	155122	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/19/2014
03/12/2014	10:00 AM	155125	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/19/2014
03/12/2014	02:00 PM	155127	Sealy, City of		20	10.00	1.700000	1.541900	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	06:30 AM	155143	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	12:00 PM	155144	NWHC 21- 23		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	11:45 AM	155145	FB 30		13	14.60	1.613300	1.463263	1	55.75	Hay/Pasture	03/19/2014
03/10/2014	11:15 AM	155946	HC MUD 200		20	12.50	2.125000	1.927375	1	55.75	Hay/Pasture	03/19/2014
03/10/2014	01:00 PM	155947	Langham Creek		13	14.00	1.547000	1.403129	1	55.75	Hay/Pasture	03/19/2014
03/11/2014	03:00 PM	155948	Tomball North		20	10.90	1.853000	1.680671	1	55.75	Hay/Pasture	03/19/2014
03/11/2014	10:00 AM	155949	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75	Hay/Pasture	03/19/2014
03/11/2014	11:45 AM	155950	HC MUD 26		13	12.50	1.381250	1.252794	1	55.75	Hay/Pasture	03/19/2014
03/12/2014	10:00 AM	155951	HC MUD 200		20	12.50	2.125000	1.927375	1	55.75	Hay/Pasture	03/19/2014
03/10/2014	01:00 PM	157021	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/19/2014
03/12/2014	10:00 AM	157022	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/19/2014
03/11/2014	02:00 PM	157024	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/19/2014
03/12/2014	10:00 AM	157026	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	05:15 AM	157150	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	07:00 AM	157151	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	09:00 AM	157152	Sealy, City of		20	10.00	1.700000	1.541900	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	03:00 PM	157154	HC MUD 26		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	08:15 AM	157227	HC MUD 365		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	02:15 PM	157230	HC MUD 365		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	04:00 PM	157231	HC MUD 365		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	09:00 AM	157243	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	12:00 PM	157244	FB 112		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/19/2014



# Land Application Manifest Summary By Site

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

TCEQ # 22430

**Site Type:** Land Application  
**Permit No:** WQ0004445000  
**Site Name:** Carl Miller Farms 1 RN102913431  
**Address:** Lat: 29 degrees 55' 1.94"N Long: 95 degrees 58' 5.66"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
03/19/2014	02:45 PM	157245	NWHC 21- 23		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/19/2014
03/19/2014	08:00 PM	157246	Meadow Place		20	11.80	2.006000	1.819442	1	55.75	Hay/Pasture	03/19/2014
03/20/2014	11:15 AM	155147	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/20/2014
03/20/2014	10:15 AM	155148	NWHC 21- 23		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/20/2014
03/20/2014	08:45 AM	157157	Sealy, City of		20	10.00	1.700000	1.541900	1	55.75	Hay/Pasture	03/20/2014
03/20/2014	06:15 PM	157232	HC MUD 8		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/20/2014
03/20/2014	08:30 AM	157247	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/20/2014
03/20/2014	10:45 AM	157248	Tomball South		20	15.70	2.669000	2.420783	1	55.75	Hay/Pasture	03/20/2014
03/20/2014	12:30 PM	157249	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/20/2014
03/20/2014	02:15 PM	157250	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/20/2014
03/21/2014	07:00 AM	155150	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/21/2014
03/21/2014	10:30 AM	155151	FB 30		13	14.60	1.613300	1.463263	1	55.75	Hay/Pasture	03/21/2014
03/21/2014	01:15 PM	155152	FB 106		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/21/2014
03/21/2014	03:45 AM	157159	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75	Hay/Pasture	03/21/2014
03/21/2014	05:30 PM	157160	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/21/2014
03/21/2014	11:00 AM	157234	HC MUD 8		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/21/2014
03/21/2014	07:15 AM	157251	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/21/2014
03/21/2014	09:30 AM	157252	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/21/2014
03/21/2014	01:30 PM	157253	NWHC 21- 23		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/21/2014
03/21/2014	12:30 PM	157261	HC MUD 26		13	12.50	1.381250	1.252794	1	55.75	Hay/Pasture	03/21/2014
03/22/2014	07:45 AM	155154	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/22/2014
03/22/2014	10:45 AM	155155	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/22/2014
03/22/2014	08:30 AM	157254	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/22/2014
03/22/2014	10:30 AM	157255	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/22/2014
03/22/2014	01:30 PM	157256	HC WCID 109		20	15.10	2.567000	2.328269	1	55.75	Hay/Pasture	03/22/2014
03/22/2014	03:15 PM	157257	Langham Creek		20	14.00	2.380000	2.158660	1	55.75	Hay/Pasture	03/22/2014
03/22/2014	09:45 AM	157264	Richmond Regional		20	14.20	2.414000	2.189498	1	55.75	Hay/Pasture	03/22/2014
03/24/2014	11:00 AM	157233	HC MUD 8		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/24/2014
03/24/2014	12:30 PM	157258	Cinco Central		20	14.80	2.516000	2.282012	1	55.75	Hay/Pasture	03/24/2014
03/24/2014	02:30 PM	157259	Bellville, City of		20	16.00	2.720000	2.467040	1	55.75	Hay/Pasture	03/24/2014
03/25/2014	10:30 AM	155158	Ponderosa JPA		20	14.90	2.533000	2.297431	1	55.75	Hay/Pasture	03/25/2014
03/25/2014	09:30 AM	155159	NWHC 21- 23		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/25/2014



# Land Application Manifest Summary By Site

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

TCEQ # 22430

**Site Type:** Land Application  
**Permit No:** WQ0004445000  
**Site Name:** Carl Miller Farms 1 RN102913431  
**Address:** Lat: 29 degrees 55' 1.94"N Long: 95 degrees 58' 5.66"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
03/25/2014	11:15 AM	157181	FB 106		13	12.00	1.326000	1.202682	1	55.75	Hay/Pasture	03/25/2014
03/25/2014	01:00 PM	157182	Langham Creek		20	14.00	2.380000	2.158660	1	55.75	Hay/Pasture	03/25/2014
03/25/2014	03:30 PM	157183	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/25/2014
03/25/2014	08:00 AM	157235	West Memorial		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/25/2014
03/25/2014	10:30 AM	157236	West Memorial		20	12.00	2.040000	1.850280	1	55.75	Hay/Pasture	03/25/2014
03/25/2014	08:30 AM	157260	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/25/2014
03/25/2014	04:00 AM	157266	Rosenberg (1-A)		20	16.50	2.805000	2.544135	1	55.75	Hay/Pasture	03/25/2014
03/25/2014	05:45 AM	157267	Chelford City		20	14.33	2.436100	2.209543	1	55.75	Hay/Pasture	03/25/2014
03/25/2014	02:00 PM	157268	HC MUD 26		13	12.50	1.381250	1.252794	1	55.75	Hay/Pasture	03/25/2014
05/23/2014	09:00 AM	158810	HC 432	6,500		2.30	0.623415	0.565437	1	55.75	Hay/Pasture	05/23/2014
05/23/2014	10:15 AM	158811	HC 432	6,500		2.30	0.623415	0.565437	1	55.75	Hay/Pasture	05/23/2014
05/23/2014	11:45 AM	158812	HC 432	6,500		2.30	0.623415	0.565437	1	55.75	Hay/Pasture	05/23/2014
05/23/2014	10:00 AM	159283	HC MUD 383	6,500		1.40	0.379470	0.344179	1	55.75	Hay/Pasture	05/23/2014
<b>Site Total</b>				<b>26,000</b>	<b>3,142</b>		<b>365.432615</b>	<b>331.447391</b>				

**Appendix A  
Agronomic Rate Calculations**

TCEQ 04445

**Part 1: Biosolids Application Rate**

9/1/2013 to 5/31/2014

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

<b>Nutrients</b>	<b>Percent</b>	<b>Conversion Factor</b>	<b>Pounds per ton</b>
<b>Total Nitrogen (TKN)</b>	3.87	x 20 =	77.4
<b>Ammonium Nitrogen (NH4)</b>	0.44	x 20 =	8.8
<b>Nitrate Nitrogen (NO3)</b>	0.16	x 20 =	3.2
<b>Total Phosphorus (P)</b>	0.84	x 20 =	16.8
<b>Total Potassium (K)</b>	0.28	x 20 =	5.6

<b>Pollutants</b> (mg/kg x 0.002 = lb./ton)	<b>mg/kg*</b>	<b>lb./ton</b>
<b>Total Arsenic (As)</b>	5.37	x 0.002 = 0.01074
<b>Total Cadmium (Cd)</b>	2.01	x 0.002 = 0.00402
<b>Total Chromium (Cr)</b>	19.2	x 0.002 = 0.0384
<b>Total Copper (Cu)</b>	338.05	x 0.002 = 0.6761
<b>Total Lead (Pb)</b>	14.35	x 0.002 = 0.0287
<b>Total Mercury (Hg)</b>	0.57	x 0.002 = 0.00114
<b>Total Molybdenum (Mo)</b>	9.65	x 0.002 = 0.0193
<b>Total Nickel (Ni)</b>	12.08	x 0.002 = 0.02416
<b>Total Selenium (Se)</b>	8.77	x 0.002 = 0.01754
<b>Total Zinc (Zn)</b>	766.12	x 0.002 = 1.53224

\* Values from sludge tests (dry weight)

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



**Appendix A**  
**Agronomic Rate Calculations**

TCEQ 04445

**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): 10 tons/ac in 4 to 6 cuttings.

pH: 7.0

	<i><b>N lb/ac</b></i>
A. Crop nutrient need for specific yield goal**	500
B. Nutrients available in soil	166.4
= 2 x NO <sub>3</sub> -N (ppm)(0-6" soil depth)+ 6 x NO <sub>3</sub> -N(ppm)(6-24" soil depth)	
C. Nutrient amount still needed: (A -B) <i>(enter this amount in step 4A.)</i>	333.6

\*\* 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, NH<sub>4</sub>-N and NO<sub>3</sub>-N from Step 1)

	%	lb./ton
A. Organic-N = Total N-(NH <sub>4</sub> -N+NO <sub>3</sub> -N)	3.27	65.4
B. Ammonium Nitrogen (NH <sub>4</sub> -N)	0.44	8.8
C. Nitrate Nitrogen (NO <sub>3</sub> -N)	0.16	3.2
D.Total PAN = (0.3 x 3A) + (0.5 x 3B) + 3C =	1.581	27.22

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

A. Enter amount from Step 2. Nitrogen amount still needed:	333.6	<i>lb./ac./yr</i>
B. Enter amount from Step 3D. Total PAN in sludge	27.22	<i>lb./ton</i>
<b>C. Sludge application rate(SARN)</b>	<b>12.26</b>	<i>ton/ac./yr</i>

**Appendix A  
Agronomic Rate Calculations**

TCEQ 04445

**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 <u>SARN</u> (lb./ac./yr)	Metals Applied Annually at <u>SARM</u> (lb./ac./yr)	Max Sludge Loading Rate (ton/ac.)
<b>Pollutants</b>	<i>Appendix C</i>	<i>Appendix C</i>	<i>(Step 1)</i>	<i>C x SARN</i>	<i>B/C</i>	<i>A/C</i>
Arsenic	36	1.8	0.01074	0.131626157	0.131626157	3351.955307
Cadmium	35	1.7	0.00402	0.049267891	0.049267891	8706.467662
Chromium	2677	134	0.0384	0.470618663	0.470618663	69713.54167
Copper	1339	67	0.6761	8.286074945	8.286074945	1980.476261
Lead	268	13	0.0287	0.351738428	0.351738428	9337.979094
Mercury	15	0.76	0.00114	0.013971492	0.013971492	13157.89474
Molybdenum	Monitor	Monitor				
Nickel	375	18.7	0.02416	0.296097575	0.296097575	15521.52318
Selenium	89	4.5	0.01754	0.214964879	0.214964879	5074.116306
Zinc	2500	125	1.53224	18.7786651	18.7786651	1631.598183
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:	1631.60	<i>tons/acre</i>
B. Previous application of biosolids:	4.76	<i>tons/acre</i>
C. Remaining biosolids application rate to reach metal limits:	1626.84	<i>tons/acre</i>
D. Maximum allowable biosolids application rate:	12.26	<i>tons/acre/yr</i>
E. Years remaining to reach the maximum cumulative loading:	133	<i>years</i>

**Biosolids Management**

**Application Rate Report By Site**

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

TCEQ # 22430

**Permit No.:** WQ0004445000

**Site ID:** 04445

**Address:** Lat: 29 degrees 55' 1.94"N Long: 95 degrees 58' 5.66"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
Bellville, City of	21.47	11.67	102.79	0.13	0.09	0.86	19.79	2.43	0.03	0.22	0.85	0.31	56.60	407.95	51.53	1644.68	8.59	12.88
Brookshire WWTP	14.09	7.96	106.82	0.14	0.09	1.18	10.20	1.64	0.02	0.26	0.70	0.03	33.55	496.13	149.40	713.19	70.47	28.19
Chelford City	253.35	4.39	3.28	2.30	0.86	6.91	76.83	1.15	0.06	6.91	2.88	3.45	476.82	50.67	50.67	50.67	50.67	50.67
Cinco Central	108.19	78.41	137.00	0.58	0.04	1.73	28.35	0.48	0.13	0.71	1.04	0.63	32.46	1579.54	519.30	10883.71	1774.28	0.00
Cinco Southwest	10.39	9.40	171.03	0.02	0.00	0.08	1.87	0.04	0.00	0.07	0.08	0.06	3.91	122.63	45.73	1305.31	162.12	135.10
Eagle Lake WWTP	5.03	1.20	45.38	0.08	0.03	0.29	4.03	0.57	0.01	0.09	0.29	0.17	10.37	158.00	44.28	9.06	1.01	0.00
FB 106	26.49	1.81	12.93	1.36	0.35	1.09	28.40	0.82	0.05	1.28	1.09	1.37	52.44	95.37	5.30	143.05	5.30	5.30
FB 112	3.98	1.79	85.41	0.03	0.03	0.17	4.92	0.03	0.01	0.17	0.17	0.14	8.06	78.76	48.53	188.56	7.16	3.18
FB 30	29.59	41.97	268.14	0.27	0.05	0.97	16.31	0.27	0.07	0.32	0.54	0.43	49.68	698.37	218.98	6569.40	378.78	0.00
FB MUD 34 (1 )	0.71	0.69	185.40	0.01	0.00	0.01	0.55	0.01	0.00	0.01	0.01	0.01	0.79	28.42	9.28	87.82	4.57	0.14
Fry Road	2.28	2.99	247.96	0.10	0.00	0.10	2.46	0.07	0.00	0.10	0.10	0.05	5.92	122.95	54.64	355.18	22.77	0.91
Greentrails	5.96	5.14	163.14	0.14	0.01	0.11	6.68	0.14	0.07	0.13	0.13	0.07	7.16	155.04	66.79	703.65	29.82	2.39
HC 155	19.89	0.79	7.57	0.36	1.07	2.14	1.07	1.42	0.07	0.71	2.85	0.71	68.69	43.76	3.98	11.93	7.96	3.98
HC 238	0.49	0.01	3.91	0.01	0.00	0.02	0.30	0.01	0.00	0.01	0.01	0.01	0.96	0.19	0.10	0.10	0.10	0.10
HC 345	6.34	9.82	293.01	0.13	0.01	0.14	7.36	0.12	0.00	0.24	0.12	0.09	11.42	1255.83	46.94	494.72	39.32	1.27
HC 358 Fairfield Vil	17.91	27.17	286.83	0.44	0.03	0.54	75.21	0.43	0.03	0.36	0.43	0.43	34.74	895.34	322.32	3223.23	573.02	10.74
HC 374	0.67	1.14	321.65	0.01	0.00	0.02	0.53	0.01	0.00	0.01	0.01	0.01	1.25	21.34	11.34	86.68	4.93	89.35
HC 391 (Cypress Lak	4.35	2.15	93.73	0.05	0.01	0.15	2.70	0.07	0.00	0.07	0.11	0.09	7.13	165.21	82.61	29.56	24.35	95.65
HC 432	1.87	1.02	104.02	0.01	0.00	0.02	0.54	0.02	0.00	0.01	0.02	0.01	2.00	8.98	22.82	142.89	15.34	1.87
HC MUD 104	2.24	1.40	118.94	0.04	0.01	0.07	1.52	0.05	0.00	0.03	0.06	0.02	2.95	109.07	25.58	111.32	11.22	4.49
HC MUD 200	14.88	20.50	260.54	0.10	0.02	0.28	6.57	0.18	0.00	0.18	0.39	0.15	13.51	746.73	255.85	2513.88	336.18	2.98
HC MUD 26	27.57	29.23	200.45	0.17	0.04	1.01	8.93	0.50	0.01	0.30	0.53	0.52	28.12	1009.05	374.95	3038.19	281.21	782.98
HC MUD 365	18.36	6.23	64.18	0.17	0.17	0.69	4.39	0.34	0.03	0.34	0.52	0.69	25.44	275.40	275.40	400.25	110.16	84.46
HC MUD 383	0.38	0.24	121.94	0.00	0.00	0.01	0.19	0.01	0.00	0.00	0.01	0.00	0.51	10.40	3.95	24.74	2.66	3.87
HC MUD 401	0.27	0.23	167.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.33	9.27	3.47	27.27	2.82	1.79
HC MUD 58	1.85	1.74	177.88	0.09	0.00	0.05	0.91	0.05	0.00	0.04	0.06	0.02	9.34	64.89	10.75	210.98	31.52	0.37
HC MUD 71	23.49	16.21	130.47	0.21	0.14	1.32	15.07	2.29	0.08	0.82	0.94	0.15	32.79	281.84	126.83	2203.08	328.82	70.46
HC MUD 8	14.28	11.22	148.57	0.06	0.03	0.55	10.05	0.45	0.03	0.22	0.47	0.17	19.08	968.18	237.05	728.28	117.10	39.98
HC WCID 109	10.27	0.35	6.50	0.10	0.05	0.43	6.88	0.57	0.01	0.14	0.43	0.10	21.16	2.05	2.05	14.38	4.11	14.38
HC WCID 92	17.97	25.84	271.82	0.13	0.05	0.56	11.04	0.62	0.01	0.36	0.49	0.28	30.29	567.82	158.13	3414.11	700.79	0.00
High Meadows	2.71	2.84	198.75	0.03	0.01	0.24	1.59	0.15	0.00	0.04	0.09	0.12	11.60	100.83	20.06	340.98	62.34	0.54
Langham Creek	29.51	28.73	184.06	0.21	0.08	0.94	25.38	0.94	0.02	0.53	0.71	0.35	54.89	826.34	306.92	4013.63	177.07	23.61
MC MUD 56	0.34	0.63	353.03	0.00	0.00	0.01	0.11	0.01	0.00	0.00	0.01	0.01	0.55	17.28	5.42	63.83	15.86	16.94
MC MUD 99	0.22	0.24	210.06	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.20	7.16	2.99	35.17	0.56	0.04
Meadow Place	12.95	3.30	48.24	0.11	0.03	1.22	12.19	0.82	0.00	0.13	0.38	1.89	33.14	243.41	62.15	261.53	2.59	5.18
North Park	1.22	0.87	135.76	0.01	0.00	0.04	0.98	0.03	0.00	0.02	0.04	0.01	2.03	49.28	13.42	91.48	8.05	0.24
Northwest Freeway MU	3.39	1.62	90.80	0.03	0.01	0.08	1.78	0.10	0.00	0.04	0.08	0.07	5.47	75.22	39.98	147.04	37.27	0.68
NWHC 21- 23	9.72	5.31	103.45	0.07	0.02	0.35	5.46	0.24	0.01	0.14	0.27	0.12	14.86	363.68	99.18	410.35	108.91	1.94
Pecan Grove Wastewat	6.10	1.08	33.49	0.09	0.01	0.36	6.91	0.34	0.00	0.07	0.17	0.09	11.98	21.97	28.07	96.43	1.22	36.62
Ponderosa JPA	104.75	105.29	190.01	0.34	0.08	0.82	17.51	1.72	0.10	0.46	1.05	0.46	61.80	1801.77	586.62	15377.89	1194.20	858.98

Application Rate Report By Site

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

TCEQ # 22430

Permit No.: WQ0004445000  
 Site ID: 04445  
 Address: Lat: 29 degrees 55' 1.94"N Long: 95 degrees 58' 5.66"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
Richmond Regional WW	55.41	10.39	35.45	0.24	0.14	8.57	85.74	3.81	0.01	1.20	2.12	0.43	122.34	199.46	299.19	1141.37	66.49	33.24
Richmond SW (FB)	8.35	0.45	10.30	0.11	0.11	1.06	8.89	0.32	0.02	0.11	0.21	0.11	23.39	35.06	1.67	8.35	5.01	1.67
Rosenberg (1-A)	22.44	14.12	118.98	1.38	0.07	1.14	20.56	2.45	0.07	0.33	0.68	0.30	44.48	0.00	121.18	2459.42	4.49	13.46
Sealy, City of	10.20	7.34	136.14	0.11	0.04	0.59	7.47	0.76	0.02	0.16	0.50	0.17	10.01	326.40	42.84	856.80	142.80	0.00
Tomball North WWTP	9.27	7.54	153.89	0.05	0.02	0.40	15.08	0.41	0.01	0.26	0.25	0.19	16.45	277.95	31.50	1015.44	68.56	0.00
Tomball South WWTP	37.37	32.00	161.90	0.07	0.04	1.67	95.66	0.99	0.04	0.65	0.83	3.03	51.19	889.31	149.46	4543.71	276.51	37.37
W H C 7	7.11	0.17	4.69	0.09	0.35	0.18	8.39	0.09	0.02	0.44	0.09	0.18	10.77	5.69	1.42	2.84	1.42	1.42
Waller WWTP	1.46	1.34	173.69	0.01	0.00	0.06	1.70	0.38	0.00	0.03	0.06	0.02	2.80	43.32	16.98	179.45	8.78	0.00
West Memorial	53.04	53.25	189.80	1.00	0.09	1.27	39.25	1.91	0.13	1.49	1.17	0.71	80.62	1591.20	392.50	6576.96	1379.04	0.00
West Park	15.21	21.60	268.50	0.17	0.03	0.38	10.25	0.27	0.04	0.26	0.47	0.24	21.01	632.57	209.84	2673.20	532.21	3.04
Westlake	7.32	4.88	126.08	0.11	0.01	0.54	4.24	0.16	0.00	0.10	0.14	0.08	11.56	175.64	62.94	600.10	60.01	7.32
Williamsburg	38.16	38.83	192.38	0.38	0.05	0.85	21.30	0.91	0.02	0.63	1.97	0.60	48.16	374.01	465.60	4900.24	450.33	1076.22
Total	1100.86	664.80	114.15	11.83	4.43	42.28	744.29	31.60	1.26	21.24	26.61	19.30	1686.77	18486.72	6188.48	85126.08	9710.84	3566.00
Weighted Test Data				5.37	2.01	19.20	338.05	14.35	0.57	9.65	12.08	8.77	766.12	0.84	0.28	3.87	0.44	0.16

**Facilities Approved  
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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

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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

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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