

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: 4th : for Reporting period from 06/01/14 to 08/31/14.

PERMIT NO.: WQ0004451000 DATE: 09/12/14

NAME OF PERMITTEE / REGISTRANT: Synagro of Texas-CDR, Inc.

MAILING ADDRESS: 501 Woodall Road
Decatur, AL 35601

CONTACT PERSON: Name: Chuck Simmons Telephone No. : 256-565-3374

Field No: 3 (Submit separate form for each field, if site has two or more fields)

- Class B Sewage Sludge Land Applied: 12.58 dry tons / quarter
- Treated Domestic Septage – Land Applied: 0 gallons / quarter
- Method used to treat Domestic Septage: _____
- Water Treatment Plant Sludge – Land Applied: 0 dry tons / quarter
- Class A Sludge Land Applied: 0 dry tons / quarter

a. Acreage used for Sludge Application/disposal at this site:- 39.14 acres

b. Site Vegetation (such as grass type, etc.) and # of cuttings:- Coastal Bermudagrass Overseeded with Ryegrass – 1 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 X

d. Site location: Latitude: _____, Longitude: _____

e. Site physical address: FM 1093 to FM 3013, 4.5 miles east of Eagle Lake

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.

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

PLEASE MAIL THE COMPLETED QUARTERLY REPORT TO:

Texas Commission on Environmental Quality
Land Application Team (M/C 148)
Wastewater Permitting Section
P.O. Box 13087
Austin, TX 78711-3087

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.

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For TCEQ Quarter: <u>4th</u> : for Reporting period from <u>06/01/2014</u> to <u>08/31/2014</u> .
PERMIT NO.: <u>WQ0004451000</u> DATE: <u>09/12/14</u>
NAME OF PERMITTEE / REGISTRANT: <u>Synagro of Texas-CDR, Inc.</u>
MAILING ADDRESS: <u>501 Woodall Road</u> <u>Decatur, AL 35601</u>
CONTACT PERSON: Name: <u>Chuck Simmons</u> Telephone No. : <u>256-565-3374</u>

Field No: 5 (Submit separate form for each field, if site has two or more fields)

- Class B Sewage Sludge Land Applied: 49.57 dry tons / quarter
- Treated Domestic Septage – Land Applied: 0 gallons / quarter
- Method used to treat Domestic Septage: _____
- Water Treatment Plant Sludge – Land Applied: 0 dry tons / quarter
- Class A Sludge Land Applied: 0 dry tons / quarter

a. Acreage used for Sludge Application/disposal at this site:- 33.63 acres

b. Site Vegetation (such as grass type, etc.) and # of cuttings:- Jiggs/Coastal Bermudagrass/ Bahiagrass/ Overseeded with Ryegrass – 3cuttings.

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 X

d. Site location: Latitude: _____, Longitude: _____

e. Site physical address: FM 1093 to FM 3013, 4.5 miles east of Eagle Lake

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.

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

PLEASE MAIL THE COMPLETED QUARTERLY REPORT TO:

Texas Commission on Environmental Quality
Land Application Team (M/C 148)
Wastewater Permitting Section
P.O. Box 13087
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For TCEQ Quarter: <u>4th</u> : for Reporting period from <u>06/01/2014</u> to <u>08/31/2014</u> .	
PERMIT NO.: <u>WQ0004451000</u>	DATE: <u>09/12/14</u>
NAME OF PERMITTEE / REGISTRANT: <u>Synagro of Texas-CDR, Inc.</u>	
MAILING ADDRESS: <u>501 Woodall Road</u> <u>Decatur, AL 35601</u>	
CONTACT PERSON: Name: <u>Chuck Simmons</u> Telephone No. : <u>256-565-3374</u>	

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

- Class B Sewage Sludge Land Applied: 0 dry tons / quarter
- Treated Domestic Septage – Land Applied: 0 gallons / quarter
- Method used to treat Domestic Septage: _____
- Water Treatment Plant Sludge – Land Applied: 0 dry tons / quarter
- Class A Sludge Land Applied: 0 dry tons / quarter

- a. Acreage used for Sludge Application/disposal at this site:- N/A acres
- b. Site Vegetation (such as grass type, etc.) and # of cuttings:- N/A
- 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 N/A No N/A
- d. Site location: Latitude: _____, Longitude: _____
- e. Site physical address: FM 1093 to FM 3013, 4.5 miles east of Eagle Lake

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.

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

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Texas Commission on Environmental Quality
Land Application Team (M/C 148)
Wastewater Permitting Section
P.O. Box 13087
Austin, TX 78711-3087

Residuals Analysis Results

<u>ST</u> <u>Description</u>	<u>Lab Usage Range</u>		<u>Cd</u>	<u>As</u>	<u>Cr</u>	<u>Cu</u>	<u>Hg</u>	<u>Mo</u>	<u>Ni</u>	<u>Pb</u>	<u>Se</u>	<u>Zn</u>
TX AUSTIN, TX HORNSBY BEND WWTP BASIN 3 CAKE-AUHBB3C	07/01/14	09/30/14	0.800 p	3.480 p	20.530 p	251.330 p	0.460 p	8.020 p	16.770 p	14.670 p	4.530 p	567.670 p
TX AUSTIN, TX HORNSBY BEND WWTP BASIN 5 CAKE-AUHBB5C	06/01/14	06/30/14	0.800 p	3.480 p	20.530 p	251.330 p	0.460 p	8.020 p	16.770 p	14.670 p	4.530 p	567.670 p
TX AUSTIN, TX HORNSBY BEND WWTP BASIN 5 CAKE-AUHBB5C	07/01/14	09/30/14	0.800 p	3.480 p	20.530 p	251.330 p	0.460 p	8.020 p	16.770 p	14.670 p	4.530 p	567.670 p
TX AUSTIN, TX HORNSBY BEND WWTP CAKE- AUHBC	06/01/14	06/30/14	0.760 p	5.450 p	19.200 p	265.000 p	0.450 p	6.260 p	16.800 p	17.000 p	5.360 p	573.000 p
TX AUSTIN, TX HORNSBY BEND WWTP CAKE- AUHBC	07/01/14	07/31/14	0.860 p	4.940 p	18.300 p	247.000 p	0.250 p	6.390 p	16.200 p	16.900 p	4.970 p	523.000 p
TX AUSTIN, TX HORNSBY BEND WWTP CAKE- AUHBC	08/01/14	08/31/14	0.887 p	4.400 p	21.100 p	262.000 p	0.371 p	7.480 p	17.200 p	16.700 p	3.530 p	583.000 p

p = ppm or mg/kg

Laboratory Serv
 Hornsby Dried Sludge - Monthly
 Report Date: 02-SEP-14

Page: 1

CONTROL # 66604

This data has been proofed by a Laboratory Official: YES

Date	Sample Name	SM 2540 G %TOTAL	SM 2540 G %VOL	SM 4500-NH3 D NH3-N MG/KG	EPA 353.2 NO3+NO2-N MG/KG	EPA 351.2 TKN MG/KG	SW 9045 PH SU	SM 4500-P BE TP MG/KG	SM 9221 B PCDLI MPN/G	EPA 60100 NA MG/KG
16-AUG-14	HBDRYSLDG-06AUG14-N	16.5	61.5	16194	10.1	60700	8.5	14216	27879	711
Minimum		16.5	61.5	16194	10.1	60700	8.5	14216	27879	711
Maximum		16.5	61.5	16194	10.1	60700	8.5	14216	27879	711
Average		16.50	61.50	16194.00	10.10	60700.00	8.50	14216.00	27879.00	711.00

Laboratory Serv
Hornsby Dried Sludge - Monthly
Report Date: 02-SEP-14

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This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C MG MG/KG	EPA 6010C CA MG/KG	EM 2510 B COND UMHOS/CM	EPA 6010C AG MG/KG	EPA 6010C AL MG/KG	EPA 6010C AS MG/KG	EPA 6010C B MG/KG	EPA 6010C CD MG/KG	EPA 6010C CR MG/KG
06-AUG-14	HBDRYSLDGE-06AUG14-W	5109	87053	4930	4.56	7289	4.40	49.3	0.887	21.1
Minimum		5109	87053	4930	4.56	7289	4.4	49.3	.887	21.1
Maximum		5109	87053	4930	4.56	7289	4.4	49.3	.887	21.1
Average		5109.00	87053.00	4930.00	4.56	7289.00	4.40	49.30	.89	21.10

Laboratory Serv.
 Hornsby Dried Sludge - Monthly
 Report Date: 02-SEP-14

This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C	EPA 6010C	EPA 7471B	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C
		CU	FE	HG	K	MO	NI	PB	SE	ZN
		MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
06-AUG-14	HBDRYSLDG-06AUG14-W	262	17408	0.371	1403	7.48	17.2	16.7	3.53	583
Minimum		262	17408	.371	1403	7.48	17.2	16.7	3.53	583
Maximum		262	17408	.371	1403	7.48	17.2	16.7	3.53	583
Average		262.00	17408.00	.37	1403.00	7.48	17.20	16.70	3.53	583.00

Hornsby Bend Biosolids Management Facility

Belt Presses

August 2014

DAY	Sludge Dewatered (gal)	TOTAL Sludge Wasted (gal)	Sludge Cake (%TS)			Combined Totals		
	BP 1,2&3 Total		BP #1	BP #2	BP #3	Sludge T.S. (mg/L)	Sludge Wasted (DT)	Sludge Dewatered (DT)
1	257,780	240,000		16.2		0	0.0	0.0
2	472,455	452,500	16.0	17.3		0	0.0	0.0
3	82,500	78,300	16.2	17.0		0	0.0	0.0
4	303,720	297,700	16.3	16.1		0	0.0	0.0
5	324,420	256,000	17.5	16.0	16.0	0	0.0	0.0
6	282,600	250,000		16.1		0	0.0	0.0
7	95,580	83,300		15.8		0	0.0	0.0
8	225,882	196,500		17.7		0	0.0	0.0
9	252,000	226,000		18.1		0	0.0	0.0
10	201,420	210,500	14.5	16.1		0	0.0	0.0
11	471,240	418,400	16.4	15.8		0	0.0	0.0
12	226,280	212,000	16.0	14.5		0	0.0	0.0
13	177,080	163,000	16.9			0	0.0	0.0
14	257,400	260,700	16.2		15.7	0	0.0	0.0
15	231,480	206,000	16.6		16.7	0	0.0	0.0
16	146,880	135,400	15.5		17.0	0	0.0	0.0
17	468,000	1,016,000	15.8		17.4	0	0.0	0.0
18	398,080	266,500	16.4		17.4	0	0.0	0.0
19	262,740	247,500	16.3		16.2	0	0.0	0.0
20	140,400	133,100	16.5			0	0.0	0.0
21	224,640	224,000	16.5			0	0.0	0.0
22	382,800	350,000	17.2	17.9		0	0.0	0.0
23	242,280	208,000		17.8		0	0.0	0.0
24	48,500	43,300		18.9		0	0.0	0.0
25	151,164	116,800	16.9	16.8		0	0.0	0.0
26	483,560	418,000	17.8	17.3		0	0.0	0.0
27	465,120	426,000	17.4	17.6		0	0.0	0.0
28	350,780	287,700	17.0		15.3	0	0.0	0.0
29	271,440	231,800		16.6		0	0.0	0.0
30	347,650	337,500	17.4	17.4		0	0.0	0.0
31	0	0				0	0.0	0.0
Total	8,118,201	7,980,500				0	0.0	0.0
Average	261,877	257,435	16.5	16.9	16.5	0	0.0	0.0
Average for both presses			16.8					

% TS Daily
16.2
16.7
16.8
16.2
16.5
16.1
15.8
17.7
18.1
15.3
16.1
15.3
16.3
16.0
16.7
16.3
16.6
16.9
16.3
16.5
16.5
17.6
17.8
18.9
16.9
17.6
17.5
16.2
16.6
17.4

BASINS 3-5

Laboratory Services
 Hornsby Dried Sludge - Monthly
 Report Date: 06-JUN-14

Page: 1

This data has been proofed by a Laboratory Official: YES

Date	Sample Name	SM 2540 G %TOTAL %	SM 2540 G %VOL %	SM 4500-NH3 D NH3-N MG/KG	EPA 353.2 NO3+NO2-N MG/KG	EPA 351.2 TKN MG/KG	SW 9045 PH SU	SM 4500-P BE TP MG/KG	SM 9221 E FCOLJ MPN/G	EPA 6010C NA MG/KG
5-Mar-14	HBDRYSLDG-05MAR14-W	12.9	84.8	14575	< 6.35	78472	8.1	13380	993590	733
9-Apr-14	HBDRYSLDG-09APR14-W	14.2	70.6	14135	4.47	68653	8.2	13443	915493	679
6-May-14	HBDRYSLDG-06MAY14-W	15.1	69.9	13524	< 3.32	70417	8.5	13317	135430	761
Minimum		12.9	69.9	13524	< 3.32	68653	8.1	13317	135430	679
Maximum		15.1	84.8	14575	6.35	78472	8.5	13443	993590	761
Average		14.07	75.10	14078.00	< 4.71	72514.00	8.27	13380.00	681504.33	724.33

Comments

Laboratory Services
Hornsby Dried Sludge - Monthly
Report Date: 06-JUN-14

Page: 2

This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C	EPA 6010C	SM 2510 B	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C
		MG	CA	COND	AG	AL	AS	B	CD	CR
		MG/KG	MG/KG	UMHOS/CM	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
5-Mar-14	HBDRYSLDG-05MAR14-W	4059	49067	5220	8.36	6139	3.23	48.9	0.784	22.2
9-Apr-14	HBDRYSLDG-09APR14-W	3771	54067	6290	8.49	4751	3.08	49.0	0.784	19.0
6-May-14	HBDRYSLDG-06MAY14-W	3836	58091	3850	8.49	6163	4.12	52.1	0.826	20.4
Minimum		3771	49067	3850	8.36	4751	3.08	48.9	0.784	19
Maximum		4059	58091	6290	8.49	6163	4.12	52.1	0.826	22.2
Average		3888.67	53741.67	5120.00	8.45	5684.33	3.48	50.00	0.80	20.53

Comments

Laboratory Services
Hornsby Dried Sludge - Monthly
Report Date: 06-JUN-14

Page: 3

This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C	EPA 6010C	EPA 7471B	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C
		CU MG/KG	FE MG/KG	HG MG/KG	K MG/KG	MO MG/KG	NI MG/KG	PB MG/KG	SE MG/KG	ZN MG/KG
5-Mar-14	HBDRYSLDG-05MAR14-W	235	17155	0.363	1406	7.46	16.6	13.6	3.78	553
9-Apr-14	HBDRYSLDG-09APR14-W	240	16768	0.343	947	7.58	16.0	13.5	4.57	560
6-May-14	HBDRYSLDG-06MAY14-W	279	14408	0.682	1257	9.03	17.7	16.9	5.24	590
Minimum		235	14408	0.343	947	7.46	16	13.5	3.78	553
Maximum		279	17155	0.682	1406	9.03	17.7	16.9	5.24	590
Average		251.33	16110.33	0.46	1203.33	8.02	16.77	14.67	4.53	567.67

Comments

Laboratory No: 8
Basin 3 Sludge To Austin Energy
Report Date: 18-AUG-14



This data has been proofed by a Laboratory Official: YES

SM 2540 G

WTOTAL

Date	Sample Name	
30-JUL-14	BASIN3-30JUL14-G	14.6
06-AUG-14	BASIN3-06AUG14-G	13.4
Minimum		13.4
Maximum		14.6
Average		14.00

Laboratory Services
 Basin 5 Sludge To Anaerobic Energy
 Report Date: 18-AUG-14

This data has been proofed by a Laboratory Official: YES

Date	Sample Name	SM 2540 G	SM 9221 E
		TOTAL	FCOLI
		MPN/G	
01-JUL-14	BASIN5-01JUL14-G	52.5	63
10-JUL-14	BASIN5-10JUL14-G	14.3	
13-JUL-14	BASIN5-23JUL14-G	21.5	
10-JUL-14	BASIN5-30JUL14-G	11.9	
06-AUG-14	BASIN5-06AUG14-G	14.9	
Minimum		11.9	63
Maximum		52.5	63
Average		23.02	63.00

Hornsby Bend Digester Performance 2013 - 2014

Volatile Solids Reduction by Anaerobic Digestion
 EPA Mass Balance Method
 Single Combined Stream from Digesters

Month	Average % Reduction
Sep-13	77.3
Oct-13	66.7
Nov-13	56.6
Dec-13	51.8
Jan-14	49.2
Feb-14	58.5
Mar-14	63.4
Apr-14	38.1
May-14	60.1
Jun-14	59.3
Jul-14	77.7
Aug-14	73.2
Annual Average	61.0

Pathogen Testing
 Class B Monthly Samples
 Fecal Coliform MPN

Month	Fecal C
Sep-13	27,072
Oct-13	12,017
Nov-13	50,806
Dec-13	79,365
Jan-14	625,744
Feb-14	70,968
Mar-14	993,590
Apr-14	915,493
May-14	135,430
Jun-14	583,333
Jul-14	1,428,572
Aug-14	27,879
Annual Avg	412,522

Digester Temperatures

Month	Digester 3	Digester 4	Digester 5	Digester 6	Digester 7	Digester 8	Digester 9	Digester 10	Average
Sep-13	94.3	96.5	98.5	97.8					96.8
Oct-13	90.0	95.3	95.6	94.2					93.8
Nov-13	88.2	90.3	90.9	90.4					90.0
Dec-13	85.6	86.7	86.7	86.3					86.3
Jan-14	84.9	84.5	82.6	84.5					84.1
Feb-14	80.2	80.7	77.5	79.8					79.5
Mar-14	74.8	78.6	76.9	79.9					77.5
Apr-14	84.0	84.9	84.1	84.2					84.3
May-14	87.2	89.1	87.9	86.7					87.7
Jun-14	91.7	93.9	90.1	91.6		80.4			89.5
Jul-14	93.5	96.8	93.8	93.0		83.7		85.9	91.1
Aug-14	96.3	96.6	94.9	94.8		91.5		90.2	94.0
Annual Average									87.9

Note: Digesters 7, 8, 9, and 10 were out of service during this period due to construction activity.

Digester Retention Time

Month	Flow MG	MG/day	MCRT
Sep-13	6.50	0.217	32.33
Oct-13	6.42	0.214	32.72
Nov-13	7.96	0.265	26.40
Dec-13	8.25	0.275	25.44
Jan-14	7.68	0.256	27.33
Feb-14	6.70	0.223	31.33
Mar-14	7.12	0.237	29.48
Apr-14	9.60	0.320	28.13
May-14	8.20	0.273	32.94
Jun-14	7.61	0.254	35.47
Jul-14	7.36	0.245	44.83
Aug-14	7.57	0.252	43.60
Average	7.581300083	0.25271	32.49818

Notes: Digesters 3 through 6 have a total average volume of 7 MG since digester 3 holds digested sludge (and gas) prior to dewatering
 Used sludge flows from Walnut and SAR WWTPs since Hornsby meters not working during this period
 Added Digester 8 making volume in digesters 9 MG, and added Digester 10, making total volume 11 MG.

Synagro
 SYNAGRO SOUTH, LLC
 501 Woodall Road
 Decatur, AL 35601

MANIFEST SUMMARY BASED ON DELIVERY DATE
 6/1/2014 thru 8/31/2014
 For. TX-CO-00002-0-0003

Printed: 9/11/2014
 Report Time: 15:50:02
 Page Number: 1 of 1

Delivery Date	Ticket Number	Plant	Product	Qty	Hauler Company	Pathogen Control	Management Method	Dry Tons	Percent Solids	Dry Metric Tons	Site Permit
Unit Of Measure: CUBIC YARDS											
8/13/2014	M-85545	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004451000
8/13/2014	M-85546	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004451000
8/13/2014	M-85548	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004451000
*****				Unit Totals for CUBIC YARDS:	90.00			12.5846		11.4142	
Grand Total Loads:		3						Grand Totals:	12.58	11.41	

Synagro
 SYNAGRO SOUTH, LLC
 501 Woodall Road
 Decatur, AL 35601

MANIFEST SUMMARY BASED ON DELIVERY DATE
 6/1/2014 thru 8/31/2014

For: TX-CO-00002-0-0005

Printed: 9/11/2014
 Report Time: 15:50:14
 Page Number: 1 of 1

Delivery Date	Ticket Number	Plant	Product	Qty	Hauler Company	Pathogen Control	Management Method	Dry Tons	Percent Solids	Dry Metric Tons	Site Permit
Unit Of Measure: CUBIC YARDS											
8/13/2014	M-85549	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004451000
8/13/2014	M-85550	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004451000
8/13/2014	M-85551	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004451000
8/13/2014	M-85552	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004451000
8/13/2014	M-85553	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004451000
8/13/2014	M-85555	HORNSBY BEND WWTP	B5CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.7653	14.90	3.4151	WQ0004451000
8/13/2014	M-85556	HORNSBY BEND WWTP	B5CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.7653	14.90	3.4151	WQ0004451000
8/13/2014	M-85557	HORNSBY BEND WWTP	B5CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.7653	14.90	3.4151	WQ0004451000
8/13/2014	M-85558	HORNSBY BEND WWTP	B5CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.7653	14.90	3.4151	WQ0004451000
8/13/2014	M-85564	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004451000
8/13/2014	M-85567	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004451000
8/13/2014	M-85568	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004451000
8/13/2014	M-85569	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004451000
***** Unit Totals for CUBIC YARDS:				390.00				49.5801		44.9692	
Grand Total Loads:		13					Grand Totals:	49.58		44.97	

Residual Sources Permit Numbers

Application To Site TX-CO-2

Permit No. WQ0004451000

For Period 06/01/14 - 08/31/14

Project Name	Plant Name	Permit No.
Austin, TX	Hornsby Bend WWTP	3823000

TEXAS FIELD REPORT

Synagro Field: TX-CO-00002-0-0003

August 2014

Permit No.: WQ0004451000
 Owner: K. RAY CAMPBELL
 County: COLORADO
 Crop: BERMUDAGRASS

Latitude: 29.30'13"
 Longitude: 96.30'11"
 Acres: 39.14 (15.85 ha)
 Rate: 5.63 DT/A
 Applic. Method: SURFACE APPL.

CUBIC YARDS APPLIED:	Month to Date:	90.00	Year to Date:	90.00
DRY TONS/ACRE APPLIED:	Month to Date:	0.32	Year to Date:	0.32
			Cumulative:	79.66

***** POUNDS PER ACRE APPLIED *****
 (Kilograms per Hectare Applied)

<u>PARAMETER</u>	<u>MONTH TO DATE</u>	<u>YEAR TO DATE</u>	<u>CUMULATIVE</u>
PAN	10.94	10.94	
P	9.14	9.14	
K	0.90	0.90	
As	<.01 (<.01)	<.01 (<.01)	8.89 (9.96)
Cd	<.01 (<.01)	<.01 (<.01)	2.05 (2.30)
Cr	0.01 (0.01)	0.01 (0.01)	86.67 (97.07)
Cu	0.17 (0.19)	0.17 (0.19)	108.07 (121.04)
Pb	0.01 (0.01)	0.01 (0.01)	29.63 (33.19)
Hg	<.01 (<.01)	<.01 (<.01)	0.40 (0.45)
Mo	<.01 (<.01)	<.01 (<.01)	5.83 (6.53)
Ni	0.01 (0.01)	0.01 (0.01)	13.34 (14.94)
Se	<.01 (<.01)	<.01 (<.01)	5.36 (6.00)
Zn	0.37 (0.41)	0.37 (0.41)	231.90 (259.73)

DAILY FIELD LOADING SHEET

<u>DATE APPLIED</u>	<u>TYPE</u>	<u>% SOLIDS</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>DRY TONS</u>
08/13/2014	AUHBC	16.60	90.00	CUBIC YARDS	12.58
TOTALS:			90.00	CUBIC YARDS	12.58 DT 11.41 MT

"NR" = Data not reported to Synagro Technologies, Inc or Data not required.

