



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 4 Reporting period from June 1, 2013 to August 31, 2013

PERMIT NO.: WQ0003823000 DATE: _____
 NAME OF PERMITTEE: City of Austin, C/O Director, Austin Water Utility
 MAILING ADDRESS: P.O. Box 1088
Austin, Texas 78767
 Contact Name: Jody Slagle Telephone No: (512) 972-1954

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

1. Class B Sewage Sludge Land Applied: 120.7 dry tons / quarter
2. Treated Domestic Septage - Land Applied: _____ gallons / quarter
 Method used to treat Domestic Septage: _____
3. Water Treatment Plant Sludge - Land Applied: _____ dry tons / quarter
4. Class A sludge land applied: _____ dry tons / quarter
 - a. Acreage used for Sludge Application/disposal at this site: 20.1 acres
 - b. Site Vegetation (such as grass type etc) and # of cuttings: Coastal Bermudagrass, 4 cuts
 - 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: 30 Degrees 13' 06" N, Longitude: 97 Degrees 39' 12" W
 - e. Site physical address: 2210 S. FM 973
Austin, Texas

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



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 4 Reporting period from June 1, 2013 to August 31, 2013

PERMIT NO.: WQ0003823000 DATE:
NAME OF PERMITTEE: City of Austin, c/o Director, Austin Water Utility
MAILING ADDRESS: P.O. Box 1088 Austin, Texas 78767
Contact Name: Jody Slagle Telephone No: (512) 972-1954

Field Number (if any): CP3 (Submit separate form for each field, if site has two or more fields)

- 1. Class B Sewage Sludge Land Applied: 99.8 dry tons / quarter
2. Treated Domestic Septage - Land Applied: gallons / quarter
Method used to treat Domestic Septage:
3. Water Treatment Plant Sludge - Land Applied: dry tons / quarter
4. Class A sludge land applied: dry tons / quarter
a. Acreage used for Sludge Application/disposal at this site: 16.6 acres
b. Site Vegetation (such as grass type etc) and # of cuttings: Coastal Bermudagrass, 4 cuts
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: 30 Degrees 13' 06" N, Longitude: 97 Degrees 39' 12" W
e. Site physical address: 2210 S. FM 973 Austin, Texas

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.

- X 1. Metal concentration, pathogen analysis data and vector attraction certifications of sludge for 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
Municipal Permits Team (MC 148)
Wastewater Permitting Section
P.O. Box 13087
Austin, TX 78711-3087



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/permitted 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 4 Reporting period from June 1, 2013 to August 31, 2013

PERMIT NO.: WQ0003823000 DATE:
NAME OF PERMITTEE: City of Austin, C/O Director, Austin Water Utility
MAILING ADDRESS: P.O. Box 1088 Austin, Texas 78767
Contact Name: Jody Slagle Telephone No: (512) 972-1954

Field Number (If any): CP2W (Submit separate form for each field, if site has two or more fields)

- 1. Class B Sewage Sludge Land Applied: 147.2 dry tons / quarter
2. Treated Domestic Septage - Land Applied: gallons / quarter
Method used to treat Domestic Septage:
3. Water Treatment Plant Sludge - Land Applied: dry tons / quarter
4. Class A sludge land applied: dry tons / quarter
a. Acreage used for Sludge Application/disposal at this site: 24.5 acres
b. Site Vegetation (such as grass type etc) and # of cuttings: Coastal Bermudagrass, 4 cuts
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: 30 Degrees 13' 06" N, Longitude: 97 Degrees 39' 12" W
e. Site physical address: 2210 S. FM 973 Austin, Texas

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.

- X 1. Metal concentration, pathogen analysis data and vector attraction certifications of sludge for 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
Municipal Permits Team (MC 148)
Wastewater Permitting Section
P.O. Box 13087
Austin, TX 78711-3087



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 4 Reporting period from June 1, 2013 to August 31, 2013

PERMIT NO.: WQ0003823000 DATE: _____
 NAME OF PERMITTEE: City of Austin, C/O Director, Austin Water Utility
 MAILING ADDRESS: P.O. Box 1088
Austin, Texas 78767
 Contact Name: Jody Slagle Telephone No: (512) 972-1954

Field Number (if any): CP1W (Submit separate form for each field, if site has two or more fields)

1. Class B Sewage Sludge Land Applied: 196.1 dry tons / quarter
2. Treated Domestic Septage - Land Applied: _____ gallons / quarter
 Method used to treat Domestic Septage: _____
3. Water Treatment Plant Sludge - Land Applied: _____ dry tons / quarter
4. Class A sludge land applied: _____ dry tons / quarter
 - a. Acreage used for Sludge Application/disposal at this site: 32.7 acres
 - b. Site Vegetation (such as grass type etc) and # of cuttings: Coastal Bermudagrass, 4 cuts
 - 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: 30 Degrees 13' 06" N, Longitude: 97 Degrees 39' 12" W
 - e. Site physical address: 2210 S. FM 973
Austin, Texas

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



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 4 Reporting period from June 1, 2013 to August 31, 2013

PERMIT NO.: WQ0003823000 DATE: _____
 NAME OF PERMITTEE: City of Austin, C/O Director, Austin Water Utility
 MAILING ADDRESS: P.O. Box 1088
Austin, Texas 78767
 Contact Name: Jody Slagle Telephone No: (512) 972-1954

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

1. Class B Sewage Sludge Land Applied: 209.7 dry tons / quarter
2. Treated Domestic Septage - Land Applied: _____ gallons / quarter
 Method used to treat Domestic Septage: _____
3. Water Treatment Plant Sludge - Land Applied: _____ dry tons / quarter
4. Class A sludge land applied: _____ dry tons / quarter
 - a. Acreage used for Sludge Application/disposal at this site: 35 acres
 - b. Site Vegetation (such as grass type etc) and # of cuttings: Coastal Bermudagrass, 4 cuts
 - 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: 30 Degrees 13' 06" N, Longitude: 97 Degrees 39' 12" W
 - e. Site physical address: 2210 S. FM 973
Austin, Texas

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 :

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 Municipal Permits Team (MC 148)
 Wastewater Permitting Section
 P.O. Box 13087
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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/permitted 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 4 Reporting period from June 1, 2013 to August 31, 2013

PERMIT NO.: WQ0003823000 DATE: _____
 NAME OF PERMITTEE: City of Austin, C/O Director, Austin Water Utility
 MAILING ADDRESS: P.O. Box 1088
Austin, Texas 78767
 Contact Name: Jody Slagle Telephone No: (512) 972-1954

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

1. Class B Sewage Sludge Land Applied: 117.5 dry tons / quarter
2. Treated Domestic Septage - Land Applied: _____ gallons / quarter
 Method used to treat Domestic Septage: _____
3. Water Treatment Plant Sludge - Land Applied: _____ dry tons / quarter
4. Class A sludge land applied: _____ dry tons / quarter
 - a. Acreage used for Sludge Application/disposal at this site: 19.6 acres
 - b. Site Vegetation (such as grass type etc) and # of cuttings: Coastal Bermudagrass, 4 cuts
 - 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: 30 Degrees 13' 06" N, Longitude: 97 Degrees 39' 12" W
 - e. Site physical address: 2210 S. FM 973
Austin, Texas

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.

- X 1. Metal concentration, pathogen analysis data and vector attraction certifications of sludge for 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.

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 Wastewater Permitting Section
 P.O. Box 13087
 Austin, TX 78711-3087



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.
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For TCEQ Quarter 4 Reporting period from June 1, 2013 to August 31, 2013

PERMIT NO.: WQ0003823000 DATE:
NAME OF PERMITTEE: City of Austin, C/O Director, Austin Water Utility
MAILING ADDRESS: P.O. Box 1088
Austin, Texas 78767
Contact Name: Jody Slagle Telephone No: (512) 972-1954

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

- 1. Class B Sewage Sludge Land Applied: 155.6 dry tons / quarter
2. Treated Domestic Septage - Land Applied: gallons / quarter
Method used to treat Domestic Septage:
3. Water Treatment Plant Sludge - Land Applied: dry tons / quarter
4. Class A sludge land applied: dry tons / quarter
a. Acreage used for Sludge Application/disposal at this site: 2.6 acres
b. Site Vegetation (such as grass type etc) and # of cuttings: Coastal Bermudagrass, 4 cuts
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: 30 Degrees 13' 06" N, Longitude: 97 Degrees 39' 12" W
e. Site physical address: 2210 S. FM 973
Austin, Texas

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.

- X 1. Metal concentration, pathogen analysis data and vector attraction certifications of sludge for 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.

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



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

For TCEQ Quarter 4 Reporting period from June 1, 2013 to August 31, 2013

PERMIT NO.: WQ0003823000 DATE: _____
 NAME OF PERMITTEE: City of Austin, C/O Director, Austin Water Utility
 MAILING ADDRESS: P.O. Box 1088
Austin, Texas 78767
 Contact Name: Jody Slagle Telephone No: (512) 972-1954

Field Number (If any): Platt 5 (Submit separate form for each field, if site has two or more fields)

1. Class B Sewage Sludge Land Applied: 152.5 dry tons / quarter
2. Treated Domestic Septage - Land Applied: _____ gallons / quarter
 Method used to treat Domestic Septage: _____
3. Water Treatment Plant Sludge - Land Applied: _____ dry tons / quarter
4. Class A sludge land applied: _____ dry tons / quarter
 - a. Acreage used for Sludge Application/disposal at this site: 25.4 acres
 - b. Site Vegetation (such as grass type etc) and # of cuttings: Coastal Bermudagrass, 4 cuts
 - 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: 30 Degrees 13' 06" N, Longitude: 97 Degrees 39' 12" W
 - e. Site physical address: 2210 S. FM 973
Austin, Texas

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 :

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 Wastewater Permitting Section
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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 4 Reporting period from June 1, 2013 to August 31, 2013

PERMIT NO.: WQ 0003823000 DATE: _____
 NAME OF PERMITTEE: City of Austin, C/O Director, Austin Water Utility
 MAILING ADDRESS: P.O. Box 1088
Austin, Texas 78767
 Contact Name: Jody Slagle Telephone No: (512) 972-1954

Field Number (if any): Platt 3 (Submit separate form for each field, if site has two or more fields)

1. Class B Sewage Sludge Land Applied: 275.9 dry tons / quarter
2. Treated Domestic Septage - Land Applied: _____ gallons / quarter
 Method used to treat Domestic Septage: _____
3. Water Treatment Plant Sludge - Land Applied: _____ dry tons / quarter
4. Class A sludge land applied: _____ dry tons / quarter
 - a. Acreage used for Sludge Application/disposal at this site: 460 acres
 - b. Site Vegetation (such as grass type etc) and # of cuttings: Coastal Bermudagrass, 4 cuts
 - 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: 30 Degrees 13' 06" N, Longitude: 97 Degrees 39' 12" W
 - e. Site physical address: 2210 S. FM 973
Austin, Texas

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.

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

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AUSTIN LAND APP EPO

<u>Field Name</u>	<u>Acres</u>	<u>Total Dry tons</u>	<u>Wet Tons</u>	<u>Yards</u>	<u>Total Loads</u>	<u>DATES</u>
South Tract	20.12	120.72	431.14	507.23	36	7/29/13, 7/30/2013
CP3	16.63	99.78	356.36	419.24	30	7/31/13, 8/1/13
CP- 2 West	24.53	147.18	525.64	618.40	44	8/1/13, 8/2/13
CP-1 West	32.69	196.14	700.50	824.12	59	8/5/13, 8/6/13, 8/7/13
Sideroll	34.95	209.70	748.93	881.09	63	8/7/13, 8/8/13, 8/9/13
Tract C	19.59	117.54	419.79	493.87	35	8/9/13, 8/12/13
Tract B	25.93	155.58	555.64	653.70	47	8/13/13, 8/14/13
Platt 5	25.41	152.46	544.50	640.59	46	8/15/13, 8/16/13
Platt 3	45.98	275.88	985.29	882.00	63	8/19/13, 8/20/13, 8/21/13
	<u>Total</u>	1474.98	5267.79	5920.24	423	

Total Revenue **\$49,552**

Hornsby Bend Digester Performance 2012 - 2013

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

Month	Average % Reduction
Sep-12	71.1
Oct-12	65.3
Nov-12	67.5
Dec-12	76.0
Jan-13	62.0
Feb-13	57.6
Mar-13	63.5
Apr-13	64.9
May-13	69.1
Jun-13	73.1
Jul-13	77.9
Aug-13	74.4
Annual Average	68.5

Pathogen Testing
Monthly Samples
Fecal Coliform MPN

Month	Fecal C
Sep-12	258,170
Oct-12	142,857
Nov-12	294,238
Dec-12	34,600
Jan-13	178,883
Feb-13	78,459
Mar-13	429,043
Apr-13	141,380
May-13	175,000
Jun-13	6,356
Jul-13	1,276,596
Aug-13	184,211
Annual Avg	266,649

Note: Digesters 3, 4, 7, 8, 9, and 10 were out of service during portions of this period.

Digester Temperatures

Month	Digester 3	Digester 4	Digester 5	Digester 6	Digester 7	Digester 8	Digester 9	Digester 10	Average
Sep-12	87.6	90.9	90.4	90.2					89.8
Oct-12	81.8	87.9	88.1	88.1					86.5
Nov-12	84.8	93.2	92.5	91.2					90.4
Dec-12	85.3	88.4	86.9	87.1					86.9
Jan-13	84.0	85.6	86.2	85.6					85.4
Feb-13		83.6	83.3	83.6					83.5
Mar-13		84.8	83.3	84.7					84.3
Apr-13		85.8	85.6	85.4					85.6
May-13		90.6	90.5	89.5					90.2
Jun-13	91.9	93.6	93.8	93.2					93.1
Jul-13	91.1	94.8	96.0	92.0					93.5
Aug-13	93.5	98.0	98.5	95.8					96.5
Annual Average									88.8

Note: Digesters 3, 4, 7, 8, 9, and 10 were out of service during portions of this period.

Digester Retention Time

Month	Flow MG	MG/day	MCRT
Sep-12	7.5373	0.2512433	27.861436
Oct-12	7.53973	0.2513243	27.852456
Nov-12	6.84085	0.2280283	30.69794
Dec-12	6.58849	0.2196163	31.873768
Jan-13	9.2244	0.30748	22.765708
Feb-13	8.9877	0.29959	23.366266
Mar-13	9.3929	0.3130967	22.357312
Apr-13	10.0509	0.33503	20.893651
May-13	8.1143	0.2704767	25.880236
Jun-13	5.428	0.1809333	38.688283
Jul-13	7.3061	0.2435367	28.743105
Aug-13	6.8361	0.22787	30.71927
Average	7.820564167	0.260685	27.64154

Notes: We estimate that for Govalle complex we use an average of 3 1/2 digesters (or 7 MG) since one is a holding tank

MCRT for Jan - May appears to be below the days required for the temperatures. Raj Bhattarai and Jody Slagle of Austin Water Utility spoke with Brian Sierant and Louis Herrin of TCEQ on 6/14/13 about this issue. Louis said that as long as we are meeting our VS reduction and pathogen measurement standards (we are), the retention time is not an issue. Louis said that we need do nothing further with TCEQ regarding this issue.

Laboratory Services
Hornsby Dried Sludge - Monthly
Report Date: 05-SEP-13

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 FCOLI MPN/G	EPA 6010C NA MG/KG
6-Jun-13	HBDRYSLDG-06JUN13-W	22.8	40.8	7300	4.14	37763	8.7	6948	6356	562
25-Jul-13	HBDRYSLDG-25JUL13-W	18.5	56.2	10344	6.22	49971	8.6	10334	1276596	644
6-Aug-13	HBDRYSLDG-06AUG13-W	18.7	59.4	9144	23.2	51358	8.6	11227	184211	576
Minimum		18.5	40.8	7300	4.14	37763	8.6	6948	6356	562
Maximum		22.8	59.4	10344	23.2	51358	8.7	11227	1276596	644
Average		20.00	52.13	8929.33	11.19	46364.00	8.63	9503.00	489054.33	594.00

Comments

HBDRYSLDG-23JUL13-W RNT AS PER CUSTOMER DUE TO HIGH FCOLI. POSSIBLE CONTAMINATION--EXCLUDED FROM REPORT

Laboratory Services
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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	SM 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
6-Jun-13	HBDRYSLDG-06JUN13-W	6089	170790	3880	3.30	4164	3.38	30.9	0.499	11.4
25-Jul-13	HBDRYSLDG-25JUL13-W	6296	139814		5.24	7525	4.25	43.5	0.619	15.7
6-Aug-13	HBDRYSLDG-06AUG13-W	6108	137290		4.58	6172	4.53	43.3	0.591	13.1
Minimum		6089	137290	3880	3.3	4164	3.38	30.9	0.499	11.4
Maximum		6296	170790	3880	5.24	7525	4.53	43.5	0.619	15.7
Average		6164.33	149298.00	3880.00	4.37	5953.67	4.05	39.23	0.57	13.40

Comments

HBDRYSLDG-23JUL13-W RNT AS PER CUSTOMER DUE TO HIGH FCOLI. POSSIBLE CONTAMINATION--EXCLUDED FROM REPORT

Laboratory Services
Hornsby Dried Sludge - Monthly
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This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C CU MG/KG	EPA 6010C FE MG/KG	EPA 7471B HG MG/KG	EPA 6010C K MG/KG	EPA 6010C MO MG/KG	EPA 6010C NI MG/KG	EPA 6010C PB MG/KG	EPA 6010C SE MG/KG	EPA 6010C ZN MG/KG
6-Jun-13	HBDRYSLDG-06JUN13-W	176	8890	0.766	860	4.82	11.0	9.96	< 2	370
25-Jul-13	HBDRYSLDG-25JUL13-W	180	10865	0.384	4961	4.37	12.5	15.6	< 2	349
6-Aug-13	HBDRYSLDG-06AUG13-W	169	10236	0.462	4675	4.48	11.7	13.9	< 2	340
Minimum		169	8890	0.384	860	4.37	11	9.96	< 2	340
Maximum		180	10865	0.766	4961	4.82	12.5	15.6	< 2	370
Average		175.00	9997.00	0.54	3498.67	4.56	11.73	13.15	< 2.00	353.00

Comments

HBDRYSLDG-23JUL13-W RNT AS PER CUSTOMER DUE TO HIGH FCOLI. POSSIBLE CONTAMINATION--EXCLUDED FROM REPORT

Laboratory Services
Hornsby Compost - Monthly Gra
Report Date: 05-SEP-13

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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 FCOLI MPN/G	EPA 6010C NA MG/KG
6-Jun-13	HBCOMP-06JUN13-W	54.0	39.9	1505	382	20508	7.6	7399	23	485
23-Jul-13	HBCOMP-23JUL13-W	56.1	38.6	4115	1764	18932	7.1	8821	22	580
6-Aug-13	HBCOMP-06AUG13-W	60.7	37.0	450	1205	23097	6.9	8397	5	612
Minimum		54	37	450	382	18932	6.9	7399	5	485
Maximum		60.7	39.9	4115	1764	23097	7.6	8821	23	612
Average		56.93	38.50	2023.33	1117.00	20845.67	7.20	8205.67	16.67	559.00

Comments

Laboratory Services
Hornsby Compost - Monthly Gra
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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	SM 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
6-Jun-13	HBCOMP-06JUN13-W	5765	146388	4150	3.63	6709	4.01	36.8	0.495	13.8
23-Jul-13	HBCOMP-23JUL13-W	6280	140124	6930	4.83	6491	4.98	41.1	0.581	14.5
6-Aug-13	HBCOMP-06AUG13-W	5360	111057		4.71	6171	5.14	44.3	0.787	17.8
Minimum		5360	111057	4150	3.63	6171	4.01	36.8	0.495	13.8
Maximum		6280	146388	6930	4.83	6709	5.14	44.3	0.787	17.8
Average		5801.67	132523.00	5540.00	4.39	6457.00	4.71	40.73	0.62	15.37

Comments

Laboratory Services
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This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C CU MG/KG	EPA 6010C FE MG/KG	EPA 7471B HG MG/KG	EPA 6010C K MG/KG	EPA 6010C MO MG/KG	EPA 6010C NI MG/KG	EPA 6010C PB MG/KG	EPA 6010C SE MG/KG	EPA 6010C ZN MG/KG
6-Jun-13	HBCOMP-06JUN13-W	142	8708	0.638	3741	3.08	11.8	13.3	< 2	287
23-Jul-13	HBCOMP-23JUL13-W	170	10484	0.422	4624	4.07	14.3	14.7	< 2	344
6-Aug-13	HBCOMP-06AUG13-W	287	14240	0.344	994	7.56	18.8	15.4	4.00	618
Minimum		142	8708	0.344	994	3.08	11.8	13.3	< 2	287
Maximum		287	14240	0.638	4624	7.56	18.8	15.4	4.00	618
Average		199.67	11144.00	0.47	3119.67	4.90	14.97	14.47	< 2.67	416.33

Comments

City of Austin
Austin Water Utility

Hornsby Bend Biosolids Management Plant
Permit No. 0003823000

Quarterly Biosolids Report
June 1, 2013 – August 31, 2013

Source of Sludge

Hornsby Bend Biosolids Management Plant TPDES Permit No. WQ0003823000

Hornsby Bend receives sludge piped from Walnut Creek Wastewater Treatment Plant, TPDES Permit No. WQ00010543011 and South Austin Regional Wastewater Treatment Plant, TPDES Permit No. WQ00010543012, all owned and operated by the City of Austin: The sludge is mixed, digested, and dewatered at Hornsby Bend.

City of Austin
Austin Water Utility

Hornsby Bend Biosolids Management Plant

Permit No. 0003823000

**Quarterly Biosolids Report
June 1, 2013 – August 31, 2013**

Reporting Requirements

Class A Certification

"I certify, under penalty of law, that the Class A pathogen requirements in 30 TAC §312.82 (a) and vector attraction reduction requirement in §312.83 (b)(1) 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 pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."



Greg Meszaros, Director
Austin Water Utility

City of Austin
Austin Water Utility

Hornsby Bend Biosolids Management Plant
Permit No. 0003823000

**Quarterly Biosolids Report
June 1, 2013 – August 31, 2013**

Reporting Requirements

Land Application Certification Statement

"I certify, under penalty of law, that the Class B pathogen requirements in 30 TAC 312.82 (b) and vector attraction reduction requirements in 312.83 (b) (1) 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 pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."



Greg Meszaros, Director
Austin Water Utility