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 3rd **Reporting Period from** 2012 **To** 2013
PERMIT NO.: 04462 **DATE:** June 15, 2013
NAME OF PERMITEE: TRS Enviroganics
MAILING ADDRESS: PO Box 73006
Houston, TX 77273-3006
CONTACT NAME: Todd Shearin **TELEPHONE NO.:** (336) 266-9134

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

1. Class B Sewage Sludge -Land Applied: 216.03 dry tons/quarter
2. Treated Domestic Septage- Land Applied: 0.00 gallons/quarter
   Method used to treat Domestic Septage N/A
3. Water Treatment Plant Sludge- Land Applied: 0.0 dry tons/quarter
4. Class A Sludge- Land Applied: 0.00 dry tons/quarter
   a. Acreage used for Sludge Application/disposal at this site: 78.0 acres
   b. Site Vegetation (such as grass type etc) and # of cuttings: Bermuda-hay cutting & heavy grazing
   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 Deg 04 Min Longitude: 96 Deg 05 Min
   e. Site physical address: 4.8 miles west of the intersection of Hwy 290 & Hwy 6

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 3rd **Reporting Period from** 2012 **To** 2013

PERMIT NO.: 04462 **DATE:** June 15, 2013

NAME OF PERMITEE: TRS Enviroganics

MAILING ADDRESS: PO Box 73006
Houston, TX 77273-3006

CONTACT NAME: Todd Shearin **TELEPHONE NO.:** (336) 266-9134

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

1. Class B Sewage Sludge -Land Applied: 869.50 dry tons/quarter
2. Treated Domestic Septage- Land Applied: 0.00 gallons/quarter
   Method used to treat Domestic Septage N/A
3. Water Treatment Plant Sludge- Land Applied: 0.0 dry tons/quarter
4. Class A Sludge- Land Applied: 0.00 dry tons/quarter
   a. Acreage used for Sludge Application/disposal at this site: 163.0 acres
   b. Site Vegetation (such as grass type etc) and # of cuttings: Bermuda-hay cutting & heavy grazing
   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 Deg 04 Min Longitude: 96 Deg 05 Min
   e. Site physical address: 4.8 miles west of the intersection of Hwy 290 & Hwy 6

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

SLUDGE APPLIER'S CERTIFICATION

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

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

VECTOR ATTACTION REDUCTION CERTIFICATE

I certify, under penalty of law, that the vector attraction reduction requirement in Section 312.83(b) 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 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.

CUMUATIVE LOADING CERTIFICATE

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

Signature: Todd Shearin

Printed Name: Todd Shearin

Title: Director, Municipal Environmental Services

Site # 04462

Field F

Suggested Agronomic rate 12

Metal	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
Cumulative Metals	0.4622	0.5239	5.5586	58.1405	3.5104	1.9250	0.8974	2.0250	7.2305	67.8031

Site # 04462

Field L

Suggested Agronomic rate 12

Metal	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
Cumulative Metals	0.4370	0.4982	5.5402	60.3073	3.4345	1.9330	0.8381	1.9427	7.1088	59.3685

Sludge Application Information
04463

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
3/1/2013	L	Treschwig	7.84	N	Y	Y	N	N
3/1/2013	L	Chelford	4.39	N	Y	Y	N	N
3/1/2013	L	Copperfield	3.69	N	Y	Y	N	N
3/1/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/1/2013	L	Prestonwood	2.19	N	Y	Y	N	N
3/1/2013	L	Horsepen Bayou	5.18	N	Y	Y	N	N
3/4/2013	L	Bammel	2.58	N	Y	Y	N	N
3/4/2013	L	Chelford	4.39	N	Y	Y	N	N
3/4/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/4/2013	L	Nottingham	2.70	N	Y	Y	N	N
3/4/2013	L	Porter MUD	2.97	N	Y	Y	N	N
3/5/2013	L	Bammel	2.58	N	Y	Y	N	N
3/5/2013	L	Chelford	4.39	N	Y	Y	N	N
3/5/2013	L	Copperfield	4.69	N	Y	Y	N	N
3/5/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/5/2013	L	HC MUD 102	9.45	N	Y	Y	N	N
3/6/2013	L	Bammel	2.58	N	Y	Y	N	N
3/6/2013	L	Chelford	5.09	N	Y	Y	N	N
3/6/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/6/2013	L	Hastings Green	2.40	N	Y	Y	N	N
3/6/2013	L	Porter MUD	1.48	N	Y	Y	N	N
3/6/2013	L	HC WCID 133	5.21	N	Y	Y	N	N
3/7/2013	L	Chelford	2.70	N	Y	Y	N	N
3/7/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/7/2013	L	Hastings Green	5.20	N	Y	Y	N	N
3/7/2013	L	Lake Forest	5.32	N	Y	Y	N	N
3/7/2013	L	HC WCID 133	5.48	N	Y	Y	N	N
3/8/2013	L	Bammel	2.58	N	Y	Y	N	N
3/8/2013	L	Chelford	4.39	N	Y	Y	N	N
3/8/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/8/2013	L	Hastings Green	5.20	N	Y	Y	N	N
3/8/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/8/2013	L	Porter MUD	1.48	N	Y	Y	N	N
3/8/2013	L	Lake Forest	5.66	N	Y	Y	N	N
3/8/2013	L	Hastings Green	2.40	N	Y	Y	N	N
3/11/2013	L	Bammel	2.58	N	Y	Y	N	N
3/11/2013	L	Chelford	4.39	N	Y	Y	N	N
3/11/2013	L	Hastings Green	4.80	N	Y	Y	N	N
3/11/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/11/2013	L	Porter MUD	1.48	N	Y	Y	N	N
3/12/2013	L	Bammel	2.58	N	Y	Y	N	N
3/12/2013	L	Chelford	4.39	N	Y	Y	N	N
3/12/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/12/2013	L	Hastings Green	2.40	N	Y	Y	N	N
3/12/2013	L	Lake Forest	5.32	N	Y	Y	N	N

Sludge Application Information
04463

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
3/13/2013	L	Chelford	4.39	N	Y	Y	N	N
3/13/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/13/2013	L	Hastings Green	5.20	N	Y	Y	N	N
3/13/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/13/2013	L	Porter MUD	2.97	N	Y	Y	N	N
3/13/2013	L	SJRA III	3.05	N	Y	Y	N	N
3/14/2013	L	Bammel	2.58	N	Y	Y	N	N
3/14/2013	L	Chelford	2.70	N	Y	Y	N	N
3/14/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/14/2013	L	SJRA III	3.66	N	Y	Y	N	N
3/15/2013	L	Chelford	2.70	N	Y	Y	N	N
3/15/2013	L	Hastings Green	8.60	N	Y	Y	N	N
3/15/2013	L	Hastings Green	3.80	N	Y	Y	N	N
3/15/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/15/2013	L	Nottingham	2.70	N	Y	Y	N	N
3/15/2013	L	SJRA III	0.61	N	Y	Y	N	N
3/15/2013	L	Mills Road	2.12	N	Y	Y	N	N
3/15/2013	L	Mayde Creek	5.72	N	Y	Y	N	N
3/18/2013	L	Bammel	2.58	N	Y	Y	N	N
3/18/2013	L	Chelford	4.39	N	Y	Y	N	N
3/18/2013	L	Copperfield	3.69	N	Y	Y	N	N
3/18/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/18/2013	L	Prestonwood	2.19	N	Y	Y	N	N
3/18/2013	L	Porter MUD	1.48	N	Y	Y	N	N
3/18/2013	L	Mayde Creek	2.36	N	Y	Y	N	N
3/19/2013	L	Chelford	4.39	N	Y	Y	N	N
3/19/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/19/2013	L	Porter MUD	1.48	N	Y	Y	N	N
3/19/2013	L	Mayde Creek	4.72	N	Y	Y	N	N
3/20/2013	L	Bammel	2.58	N	Y	Y	N	N
3/20/2013	L	Chelford	4.39	N	Y	Y	N	N
3/20/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/20/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/20/2013	L	Porter MUD	1.48	N	Y	Y	N	N
3/20/2013	L	HC WCID 133	7.21	N	Y	Y	N	N
3/21/2013	L	Bammel	2.58	N	Y	Y	N	N
3/21/2013	L	Chelford	2.70	N	Y	Y	N	N
3/21/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/21/2013	L	Mills Road	2.12	N	Y	Y	N	N
3/21/2013	L	HC WCID 133	5.48	N	Y	Y	N	N
3/22/2013	L	Bammel	2.58	N	Y	Y	N	N
3/22/2013	L	Chelford	4.39	N	Y	Y	N	N
3/22/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/22/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/22/2013	L	Nottingham	2.70	N	Y	Y	N	N
3/22/2013	L	Cinco Ranch	5.59	N	Y	Y	N	N

Sludge Application Information
04463

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
3/24/2013	L	Cinco Ranch	5.59	N	Y	Y	N	N
3/24/2013	L	Cinco Ranch	3.79	N	Y	Y	N	N
3/25/2013	L	Chelford	7.09	N	Y	Y	N	N
3/25/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/25/2013	L	Hastings Green	2.40	N	Y	Y	N	N
3/25/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/25/2013	L	Porter MUD	2.97	N	Y	Y	N	N
3/26/2013	L	Bammel	2.58	N	Y	Y	N	N
3/26/2013	L	Chelford	2.70	N	Y	Y	N	N
3/26/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/26/2013	L	Hastings Green	2.40	N	Y	Y	N	N
3/26/2013	L	Mills Road	2.12	N	Y	Y	N	N
3/27/2013	L	Chelford	4.39	N	Y	Y	N	N
3/27/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/27/2013	L	Nottingham	2.70	N	Y	Y	N	N
3/27/2013	L	Timberlane	5.70	N	Y	Y	N	N
3/27/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/27/2013	L	Hastings Green	4.80	N	Y	Y	N	N
3/27/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/28/2013	L	Chelford	5.39	N	Y	Y	N	N
3/28/2013	L	Copperfield	2.34	N	Y	Y	N	N
3/28/2013	L	Hastings Green	3.75	N	Y	Y	N	N
3/28/2013	L	NW HC MUD 5	1.07	N	Y	Y	N	N
3/28/2013	L	Timberlane	4.80	N	Y	Y	N	N
3/29/2013	L	Chelford	2.70	N	Y	Y	N	N
3/29/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
3/29/2013	L	Porter MUD	2.97	N	Y	Y	N	N
3/29/2013	L	NW HC MUD 5	0.53	N	Y	Y	N	N
3/29/2013	L	Timberlane	4.80	N	Y	Y	N	N
4/1/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/1/2013	L	Hastings Green	4.80	N	Y	Y	N	N
4/1/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/1/2013	L	Prestonwood	2.19	N	Y	Y	N	N
4/1/2013	L	Treschwig	3.69	N	Y	Y	N	N
4/2/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/2/2013	L	Hastings Green	4.80	N	Y	Y	N	N
4/2/2013	L	Nottingham	2.70	N	Y	Y	N	N
4/2/2013	L	Treschwig	5.39	N	Y	Y	N	N
4/2/2013	L	HC WCID 133	2.99	N	Y	Y	N	N
4/3/2013	L	Hastings Green	4.80	N	Y	Y	N	N
4/3/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/4/2013	L	Chelford	2.70	N	Y	Y	N	N
4/4/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/5/2013	L	Bammel	2.58	N	Y	Y	N	N
4/8/2013	L	Chelford	5.39	N	Y	Y	N	N
4/8/2013	L	Copperfield	4.69	N	Y	Y	N	N

Sludge Application Information
04463

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
4/8/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/8/2013	L	Bammel	2.58	N	Y	Y	N	N
4/8/2013	L	Porter MUD	1.48	N	Y	Y	N	N
4/8/2013	L	Lake Forest	5.30	N	Y	Y	N	N
4/9/2013	L	Chelford	4.39	N	Y	Y	N	N
4/9/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/9/2013	L	Nottingham	2.70	N	Y	Y	N	N
4/9/2013	L	SJRA III	1.92	N	Y	Y	N	N
4/9/2013	L	Lake Forest	3.16	N	Y	Y	N	N
4/10/2013	L	Chelford	4.39	N	Y	Y	N	N
4/10/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/10/2013	L	SJRA III	4.32	N	Y	Y	N	N
4/10/2013	L	Lake Forest	3.16	N	Y	Y	N	N
4/11/2013	L	Chelford	2.70	N	Y	Y	N	N
4/11/2013	L	Copperfield	4.69	N	Y	Y	N	N
4/12/2013	L	Chelford	2.70	N	Y	Y	N	N
4/12/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/12/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/12/2013	L	Porter MUD	2.97	N	Y	Y	N	N
4/12/2013	L	Mayde Creek	4.02	N	Y	Y	N	N
4/12/2013	L	Horsepen Bayou	3.04	N	Y	Y	N	N
4/15/2013	L	Chelford	2.70	N	Y	Y	N	N
4/15/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/15/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/15/2013	L	Nottingham	2.70	N	Y	Y	N	N
4/15/2013	L	Bammel	2.58	N	Y	Y	N	N
4/15/2013	L	Mayde Creek	4.02	N	Y	Y	N	N
4/15/2013	L	Horsepen Bayou	4.07	N	Y	Y	N	N
4/16/2013	L	Chelford	5.39	N	Y	Y	N	N
4/16/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/16/2013	L	Hastings Green	2.40	N	Y	Y	N	N
4/16/2013	L	Mayde Creek	1.50	N	Y	Y	N	N
4/16/2013	L	Mayde Creek	3.01	N	Y	Y	N	N
4/16/2013	L	Horsepen Bayou	3.04	N	Y	Y	N	N
4/16/2013	L	HC WCID 133	2.86	N	Y	Y	N	N
4/17/2013	L	Chelford	2.70	N	Y	Y	N	N
4/17/2013	L	Copperfield	4.69	N	Y	Y	N	N
4/17/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/17/2013	L	Porter MUD	2.97	N	Y	Y	N	N
4/17/2013	L	HC MUD 102	5.12	N	Y	Y	N	N
4/17/2013	L	HC WCID 133	7.59	N	Y	Y	N	N
4/18/2013	L	Chelford	5.39	N	Y	Y	N	N
4/18/2013	L	Bammel	2.58	N	Y	Y	N	N
4/18/2013	L	HC WCID 133	1.91	N	Y	Y	N	N
4/19/2013	L	Chelford	4.39	N	Y	Y	N	N
4/19/2013	L	Copperfield	3.69	N	Y	Y	N	N

Sludge Application Information
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Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
4/19/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/19/2013	L	HC MUD 102	3.06	N	Y	Y	N	N
4/22/2013	L	Chelford	4.39	N	Y	Y	N	N
4/22/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/22/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/22/2013	L	Nottingham	2.70	N	Y	Y	N	N
4/22/2013	L	Cinco Ranch	3.41	N	Y	Y	N	N
4/23/2013	L	Chelford	5.39	N	Y	Y	N	N
4/23/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/23/2013	L	Hastings Green	2.40	N	Y	Y	N	N
4/23/2013	L	Bammel	2.58	N	Y	Y	N	N
4/23/2013	L	Porter MUD	1.48	N	Y	Y	N	N
4/24/2013	L	Chelford	5.39	N	Y	Y	N	N
4/24/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/24/2013	L	Hastings Green	4.80	N	Y	Y	N	N
4/24/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/24/2013	L	Prestonwood	2.19	N	Y	Y	N	N
4/24/2013	L	Porter MUD	1.48	N	Y	Y	N	N
4/25/2013	L	Chelford	13.48	N	Y	Y	N	N
4/25/2013	L	Hastings Green	4.80	N	Y	Y	N	N
4/25/2013	L	Porter MUD	1.48	N	Y	Y	N	N
4/25/2013	L	Cinco Ranch	10.24	N	Y	Y	N	N
4/25/2013	L	Lake Forest	9.88	N	Y	Y	N	N
4/26/2013	L	Hastings Green	4.80	N	Y	Y	N	N
4/26/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
4/26/2013	L	Nottingham	2.70	N	Y	Y	N	N
4/26/2013	L	Prestonwood	2.19	N	Y	Y	N	N
4/26/2013	L	Bammel	2.58	N	Y	Y	N	N
4/26/2013	L	Cinco Ranch	6.93	N	Y	Y	N	N
4/26/2013	L	Lake Forest	5.92	N	Y	Y	N	N
4/27/2013	L	Lake Forest	2.96	N	Y	Y	N	N
4/29/2013	L	Chelford	2.70	N	Y	Y	N	N
4/29/2013	L	Hastings Green	2.40	N	Y	Y	N	N
4/30/2013	L	Chelford	5.39	N	Y	Y	N	N
4/30/2013	L	Copperfield	2.34	N	Y	Y	N	N
4/30/2013	L	Bammel	2.58	N	Y	Y	N	N
4/30/2013	L	HC WCID 133	2.94	N	Y	Y	N	N
5/1/2013	L	Chelford	5.06	N	Y	Y	N	N
5/1/2013	L	Copperfield	2.34	N	Y	Y	N	N
5/1/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
5/1/2013	L	Porter MUD	2.97	N	Y	Y	N	N
5/1/2013	L	HC WCID 133	2.94	N	Y	Y	N	N
5/2/2013	L	Chelford	5.59	N	Y	Y	N	N
5/2/2013	L	Copperfield	2.34	N	Y	Y	N	N
5/2/2013	L	HC WCID 133	2.94	N	Y	Y	N	N
5/3/2013	L	Jackrabbit	2.39	N	Y	Y	N	N

Sludge Application Information
04463

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
5/3/2003	L	Porter MUD	1.48	N	Y	Y	N	N
5/3/2013	L	Prestonwood	2.19	N	Y	Y	N	N
5/3/2013	L	HC WCID 133	4.87	N	Y	Y	N	N
5/3/2013	L	Mayde Creek	6.02	N	Y	Y	N	N
5/4/2013	L	Prestonwood	2.19	N	Y	Y	N	N
5/4/2013	L	Mayde Creek	3.01	N	Y	Y	N	N
5/6/2013	L	Chelford	5.59	N	Y	Y	N	N
5/6/2013	L	Copperfield	4.69	N	Y	Y	N	N
5/6/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
5/6/2013	L	Prestonwood	2.19	N	Y	Y	N	N
5/6/2013	L	Nottingham	2.70	N	Y	Y	N	N
5/6/2013	L	Mayde Creek	3.01	N	Y	Y	N	N
5/7/2013	L	Chelford	6.59	N	Y	Y	N	N
5/7/2013	L	Copperfield	2.34	N	Y	Y	N	N
5/7/2013	L	Jackrabbit	2.39	N	Y	Y	N	N
5/7/2013	L	Prestonwood	2.19	N	Y	Y	N	N
5/7/2013	L	Bammel	2.58	N	Y	Y	N	N
5/7/2013	L	Mayde Creek	6.02	N	Y	Y	N	N
5/8/2013	L	Chelford	4.06	N	Y	Y	N	N
5/8/2013	L	Hastings Green	2.60	N	Y	Y	N	N
5/8/2013	L	Porter MUD	2.97	N	Y	Y	N	N
5/8/2013	L	Prestonwood	2.19	N	Y	Y	N	N
5/8/2013	L	Bammel	2.58	N	Y	Y	N	N
5/8/2013	L	SJRA III	7.45	N	Y	Y	N	N
5/9/2013	F	Chelford	4.06	N	Y	Y	N	N
5/9/2013	F	Copperfield	3.69	N	Y	Y	N	N
5/9/2013	F	Porter MUD	2.97	N	Y	Y	N	N
5/9/2013	F	Prestonwood	2.19	N	Y	Y	N	N
5/9/2013	F	Bammel	2.58	N	Y	Y	N	N
5/10/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/10/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/10/2013	F	Prestonwood	2.19	N	Y	Y	N	N
5/13/2013	F	Chelford	8.11	N	Y	Y	N	N
5/13/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/13/2013	F	Hastings Green	3.80	N	Y	Y	N	N
5/13/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/13/2013	F	Nottingham	2.70	N	Y	Y	N	N
5/14/2013	F	Chelford	4.06	N	Y	Y	N	N
5/14/2013	F	Hastings Green	7.20	N	Y	Y	N	N
5/14/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/14/2013	F	Bammel	2.58	N	Y	Y	N	N
5/14/2013	F	Cinco Ranch	8.38	N	Y	Y	N	N
5/15/2013	F	Chelford	4.06	N	Y	Y	N	N
5/15/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/15/2013	F	Hastings Green	6.20	N	Y	Y	N	N
5/15/2013	F	Porter MUD	2.97	N	Y	Y	N	N

Sludge Application Information

04463

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
5/15/2013	F	Cinco Ranch	3.79	N	Y	Y	N	N
5/16/2013	F	Chelford	3.06	N	Y	Y	N	N
5/16/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/16/2013	F	Hastings Green	4.20	N	Y	Y	N	N
5/17/2013	F	Chelford	4.60	N	Y	Y	N	N
5/17/2013	F	Copperfield	3.69	N	Y	Y	N	N
5/17/2013	F	Hastings Green	2.40	N	Y	Y	N	N
5/17/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/17/2013	F	Porter MUD	1.48	N	Y	Y	N	N
5/17/2013	F	Bammel	1.93	N	Y	Y	N	N
5/20/2013	F	Chelford	4.06	N	Y	Y	N	N
5/20/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/20/2013	F	Porter MUD	1.48	N	Y	Y	N	N
5/20/2013	F	Nottingham	2.70	N	Y	Y	N	N
5/21/2013	F	Chelford	4.60	N	Y	Y	N	N
5/21/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/21/2013	F	Porter MUD	2.97	N	Y	Y	N	N
5/21/2013	F	Renn Road	6.67	N	Y	Y	N	N
5/22/2013	F	Chelford	2.53	N	Y	Y	N	N
5/22/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/22/2013	F	Renn Road	5.36	N	Y	Y	N	N
5/23/2013	F	Chelford	6.59	N	Y	Y	N	N
5/23/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/23/2013	F	Bammel	2.58	N	Y	Y	N	N
5/23/2013	F	Lake Forest	3.16	N	Y	Y	N	N
5/24/2013	F	Chelford	2.53	N	Y	Y	N	N
5/24/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/24/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/24/2013	F	Lake Forest	5.32	N	Y	Y	N	N
5/25/2013	F	Lake Forest	5.32	N	Y	Y	N	N
5/28/2013	F	Chelford	4.06	N	Y	Y	N	N
5/28/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/28/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/28/2013	F	Nottingham	2.70	N	Y	Y	N	N
5/29/2013	F	Chelford	4.06	N	Y	Y	N	N
5/29/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/29/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/29/2013	F	Mills Road	2.12	N	Y	Y	N	N
5/30/2013	F	Chelford	4.06	N	Y	Y	N	N
5/30/2013	F	Copperfield	2.34	N	Y	Y	N	N
5/31/2013	F	Jackrabbit	2.39	N	Y	Y	N	N
5/31/2003	F	Porter MUD	2.97	N	Y	Y	N	N
				N	Y	Y	N	N
				N	Y	Y	N	N
				N	Y	Y	N	N
				N	Y	Y	N	N

Sewage Sludge Land Application Reporting Information
3rd quarter 2012-2013

Permit	Regulated Entity:	RN103015509	Look Ranch
WQ 004462	Customer:	CN603212135	TRS Enviroganics

3/1/2013	3/12/2013	3/22/2013	4/4/2013	4/17/2013	5/1/2013
3/1/2013	3/13/2013	3/22/2013	4/4/2013	4/17/2013	5/1/2013
3/1/2013	3/13/2013	3/22/2013	4/5/2013	4/18/2013	5/1/2013
3/1/2013	3/13/2013	3/24/2013	4/8/2013	4/18/2013	5/1/2013
3/1/2013	3/13/2013	3/24/2013	4/8/2013	4/18/2013	5/1/2013
3/1/2013	3/13/2013	3/25/2013	4/8/2013	4/19/2013	5/2/2013
3/4/2013	3/13/2013	3/25/2013	4/8/2013	4/19/2013	5/2/2013
3/4/2013	3/14/2013	3/25/2013	4/8/2013	4/19/2013	5/2/2013
3/4/2013	3/14/2013	3/25/2013	4/8/2013	4/19/2013	5/3/2013
3/4/2013	3/14/2013	3/25/2013	4/9/2013	4/22/2013	5/3/2003
3/4/2013	3/14/2013	3/26/2013	4/9/2013	4/22/2013	5/3/2013
3/5/2013	3/15/2013	3/26/2013	4/9/2013	4/22/2013	5/3/2013
3/5/2013	3/15/2013	3/26/2013	4/9/2013	4/22/2013	5/3/2013
3/5/2013	3/15/2013	3/26/2013	4/9/2013	4/22/2013	5/4/2013
3/5/2013	3/15/2013	3/26/2013	4/10/2013	4/23/2013	5/4/2013
3/5/2013	3/15/2013	3/27/2013	4/10/2013	4/23/2013	5/6/2013
3/6/2013	3/15/2013	3/27/2013	4/10/2013	4/23/2013	5/6/2013
3/6/2013	3/15/2013	3/27/2013	4/10/2013	4/23/2013	5/6/2013
3/6/2013	3/15/2013	3/27/2013	4/11/2013	4/23/2013	5/6/2013
3/6/2013	3/18/2013	3/27/2013	4/11/2013	4/24/2013	5/6/2013
3/6/2013	3/18/2013	3/27/2013	4/12/2013	4/24/2013	5/6/2013
3/6/2013	3/18/2013	3/27/2013	4/12/2013	4/24/2013	5/7/2013
3/7/2013	3/18/2013	3/28/2013	4/12/2013	4/24/2013	5/7/2013
3/7/2013	3/18/2013	3/28/2013	4/12/2013	4/24/2013	5/7/2013
3/7/2013	3/18/2013	3/28/2013	4/12/2013	4/24/2013	5/7/2013
3/7/2013	3/18/2013	3/28/2013	4/12/2013	4/25/2013	5/7/2013
3/7/2013	3/19/2013	3/28/2013	4/15/2013	4/25/2013	5/7/2013
3/8/2013	3/19/2013	3/29/2013	4/15/2013	4/25/2013	5/8/2013
3/8/2013	3/19/2013	3/29/2013	4/15/2013	4/25/2013	5/8/2013
3/8/2013	3/19/2013	3/29/2013	4/15/2013	4/25/2013	5/8/2013
3/8/2013	3/20/2013	3/29/2013	4/15/2013	4/26/2013	5/8/2013
3/8/2013	3/20/2013	3/29/2013	4/15/2013	4/26/2013	5/8/2013
3/8/2013	3/20/2013	4/1/2013	4/15/2013	4/26/2013	5/8/2013
3/8/2013	3/20/2013	4/1/2013	4/16/2013	4/26/2013	5/9/2013
3/8/2013	3/20/2013	4/1/2013	4/16/2013	4/26/2013	5/9/2013
3/11/2013	3/20/2013	4/1/2013	4/16/2013	4/26/2013	5/9/2013
3/11/2013	3/21/2013	4/1/2013	4/16/2013	4/26/2013	5/9/2013
3/11/2013	3/21/2013	4/2/2013	4/16/2013	4/27/2013	5/9/2013
3/11/2013	3/21/2013	4/2/2013	4/16/2013	4/29/2013	5/10/2013
3/11/2013	3/21/2013	4/2/2013	4/16/2013	4/29/2013	5/10/2013
3/12/2013	3/21/2013	4/2/2013	4/17/2013	4/30/2013	5/10/2013
3/12/2013	3/22/2013	4/2/2013	4/17/2013	4/30/2013	5/13/2013
3/12/2013	3/22/2013	4/3/2013	4/17/2013	4/30/2013	5/13/2013
3/12/2013	3/22/2013	4/3/2013	4/17/2013	4/30/2013	5/13/2013

Sewage Sludge Land Application Reporting Information
3rd quarter 2012-2013

Permit	Regulated Entity:	RN104091186	Reavis Farm
WQ 004463	Customer:	CN603212135	TRS Enviroganics
	Physical Location:	1.25 miles west of intersection of FM 2221 & 7 Mile Road	

5/13/2013	5/28/2013
5/13/2013	5/28/2013
5/14/2013	5/29/2013
5/14/2013	5/29/2013
5/14/2013	5/29/2013
5/14/2013	5/29/2013
5/14/2013	5/30/2013
5/15/2013	5/30/2013
5/15/2013	5/31/2013
5/15/2013	5/31/2003
5/15/2013	
5/15/2013	
5/16/2013	
5/16/2013	
5/16/2013	
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5/24/2013	
5/25/2013	
5/28/2013	
5/28/2013	

EASTEX ENVIRONMENTAL LABORATORY, INC.

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Coldspring, Texas 77331

(936) 653-3249 (800) 525-0508
www.eastexlabs.com *eastexlab@eastex.net*

Bammel UD
Water District Management
P.O. Box 579
Spring, TX 77383

Biosolids Pathogen and Vector Attraction Analysis
LABORATORY ANALYSIS REPORT

Project ID: **Bammel Digester**

Collect Date:	10/30/2012	SampleType:	Grab
Site:	Digester	Collect Time:	10:30 AM
Sample Number:	C1251085-01	Collector:	RCS

Test	*	Result	Units	Tech	Date	Time	Method
Fecal Coliform IDEXX	N	449445	MPN/gram	SDS	10/30/2012	3:27:00 P	Colilert 18
Percent Solid	A	2.60	%	BMB	10/31/2012	4:00:00 P	SM 2540G
Vector	N	0.90	mg O2/hr/g	SDS	10/30/2012	6:15:00 P	TAC 312.83(b)(4
Volatile Percent Solid	A	67.9	%	CEW	11/1/2012	2:30:00 P	SM 2540G

40 CFR 503 Criterion for Fecal Coliform Class B = 2,000,000 MPN/g. For Class A = 1,000 MPN/g
40 CFR 503 Criterion for Vector Class B = <1.5 mg/O2/g Solids/hr
*Fecal Coliform result is a geometric mean of seven individual samples.

James Johnson, Technical Director

RECEIVED
DEC 07 2012
BY:

NELAC Status:A=Accredited N=Accreditation not offered O=Not Accredited P=Approved
Most current versions applicable for methods listed are being used. Sample was diluted to less than 2% prior to sour analyses.
The test results in this report relate only to the samples received and the report shall not be reproduced except in full, without the approval of the laboratory.

ENVIRODYNE LABORATORIES, INC.
11011 BROOKLET Dr. #230
HOUSTON, TEXAS 77099
(281) 568-7880

CERTIFICATE OF ANALYSIS

CLIENT: CHELFORD CITY RWTF — LAB NUMBER: AD29977B

DATE COLLECTE 20-Jul-12 — DATE RECEIVED: 20-Jul-12

DATE COMPLETE 01-Aug-12 — SAMPLED BY: CC

SAMPLE TYPE: **Processes to Significantly Reduce Pathogens (PSRP)**

LOCATION:	DIGESTER @ 0818	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	79,300	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	1.40	1.5 mgO2/gram/Hr
Sludge Characteristics		
Total Solids (%)	0.58	N/A
Volatile Solids (%)	0.39	N/A
Organic Conc. (%)	67.2	
Soil pH - Measured in Water (Units)	6.62	> 5.50
Test Temp. - Start / Stop (C)	22/22	(+/- 1C) - Var.

SOUR diluted to TS < 2.0%

CERTIFIED BY

Ref. STANDARD METHODS 18th Ed. & *EPA SW-846
9222D - F. COLI 2540G - TS & VS
2710B - SOUR *9045 - pH

ENVIRODYNE LABORATORIES, INC.
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HOUSTON, TEXAS 77099
(281) 568-7880

CERTIFICATE OF ANALYSIS

CLIENT:	CINCO REGIONAL (Si Environmental)	LAB NUMBER:	AD58982B
DATE COLLECTE	13-Dec-12	DATE RECEIVED:	13-Dec-12
DATE COMPLETE	18-Dec-12	SAMPLED BY:	MB

SAMPLE TYPE: **Processes to Significantly Reduce Pathogens (PSRP)**

LOCATION:	DIGESTER @ 1500	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	15,900	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	1.12	1.5 mgO2/gram/Hr.
Sludge Characteristics		
Total Solids (%)	2.34	N/A
Volatile Solids (%)	1.16	N/A
Organic Conc. (%)	49.6	
Soil pH - Measured in Water (Units)	6.90	> 5.50
Sample Temp. (C/F)	N/A	20/68 (+/- 10C)
Ambient Temp. (C/F)	N/A	N/A
Test Temp. - Start / Stop (C)	22/22	(+/- 1C) - Var.

SOUR diluted to TS <2.0%

CERTIFIED BY

Ref. STANDARD METHODS 21st Ed. & *EPA SW-846
9222D - F. COLI 2540G - TS & VS
2710B - SOUR *9045 - pH

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HOUSTON, TEXAS 77099
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CERTIFICATE OF ANALYSIS

CLIENT:	COPPERFIELD MUD	LAB NUMBER:	AD27026B
DATE COLLECTE	06-Jul-12	DATE RECEIVED:	06-Jul-12
DATE COMPLETE	07-Aug-12	SAMPLED BY:	MB

SAMPLE TYPE: Processes to Significantly Reduce Pathogens (PSRP)

LOCATION:	BELT PRESS CAKE @ 1125	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	21,400	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	0.81	1.5 mgO2/gram/Hr.
Sludge Characteristics		
Total Solids (%)	13.90	N/A
Volatile Solids (%)	7.88	N/A
Organic Conc. (%)	56.7	
Soil pH - Measured in Water (Units)	6.49	> 5.50
Sample Temp. (C/F)	N/A	20/68 (+/- 10C)
Ambient Temp. (C/F)	N/A	N/A
Test Temp. - Start / Stop (C)	22/22	(+/- 1C) - Var.

SOUR diluted to TS <2.0%

CERTIFIED BY

Ref. STANDARD METHODS 21st Ed. & *EPA SW-846
9222D - F. COLI 2540G - TS & VS
2710B - SOUR *9045 - pH

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HOUSTON, TEXAS 77O99
(281) 568-7880

CERTIFICATE OF ANALYSIS

CLIENT:	HASTING GREEN WWTP	LAB NUMBER:	AD14270B
DATE COLLECTE	23-Apr-12	DATE RECEIVED:	23-Apr-12
DATE COMPLETE	19-May-12	SAMPLED BY:	MB

SAMPLE TYPE: Processes to Significantly Reduce Pathogens (PSRP)

LOCATION:	DIGESTER	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	12,700	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	1.16	1.5 mgO2/gram/Hr.
Sludge Characteristics		
Total Solids (%)	0.87	N/A
Volatile Solids (%)	0.57	N/A
Organic Conc. (%)	65.5	
Soil pH - Measured in Water (Units)	6.90	> 5.50
Sample Temp. (C/F)	N/A	20/68 (+/- 10C)
Ambient Temp. (C/F)	N/A	N/A
Test Temp. - Start / Stop (C)	22/22	(+/- 1C) - Var.

CERTIFIED BY

Ref. STANDARD METHODS 21st Ed. & *EPA SW-846
9222D - F. COLI 2540G - TS & VS
2710B - SOUR *9045 - pH

EASTEX ENVIRONMENTAL LABORATORY, INC.

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ACCREDITED IN ACCORDANCE WITH nelac

P. O. Box 631375
Nacogdoches, Texas 75963-1375
(936) 569-8879

Harris County MUD 102
Municipal District Services
P.O. Box 1827
Cypress, TX 77410

BIOSOLIDS PATHOGEN AND VECTOR ATTRACTION ANALYSIS

PROJECT ID: HC Mud 102 Digs
SITE: Digester
COLLECT DATE: 2/6/2012
COLLECT TIME: 9:50
SAMPLER: SRA
SAMPLE NO. C1206534-01

PARAMETER	RESULTS	STATUS *	40 CFR 503 CRITERION CLASS B	CLASS A	METHOD	DATE TECH/TIME
PATHOGENS:						
INDICATOR ORGANISM						
Fecal Coliform	<10000	A	2,000,000	1,000	SM 9222 D	KMV;16:30
#n/grams dry sludge			T.S. CFU/g	T.S. MPN/g	(APHA,1992)	2/6/12
***Fecal Coliform result is a geometric mean of 7 individual samples**						

VECTOR ATTRACTION:					
REDUCTION:					
Results	1.20	N	<1.5 mg/0_2/g Solids/hr	TAC312.83(b)(4)	KMV;14:30
mg/0_2/g Solids/hr				(APHA,1992)	2/6/12

BIOSOLIDS CHARACTERISTICS:					
Total Solids:	1.4	A		SM 2540 G	KMV;12:00
				(APHA,1992)	2/7/12
Volatile Solids:	75.7 %	A		SM 2540 G	KMV;12:00
				(APHA,1992)	2/8/12

James Johnson
Laboratory Director

*NELAC Status: A = Accredited; N =Accreditation not offered; O = Not Accredited; P = Approved
Most current versions applicable for methods listed are being used.

The test results in this report relate only to the samples received and the report shall not be reproduced except in full, without the approval of the laboratory.

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HOUSTON, TEXAS 77099
(281) 568-7880

CERTIFICATE OF ANALYSIS

CLIENT:	H.C.W.C.I.D. #133	LAB NUMBER:	AD25144B
DATE COLLECTED	26-Jun-12	DATE RECEIVED:	26-Jun-12
DATE COMPLETE	13-Jul-12	SAMPLED BY:	JM

SAMPLE TYPE: **Processes to Significantly Reduce Pathogens (PSRP)**

LOCATION:	DIGESTER GRAB @ 0645	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	26,800	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	0.37	1.5 mgO2/gram/Hr.
Sludge Characteristics		
Total Solids (%)	1.70	N/A
Volatile Solids (%)	1.17	N/A
Organic Conc. (%)	68.8	
Soil pH - Measured in Water (Units)	6.29	> 5.50
Sample Temp. (C/F)	N/A	20/68 (+/- 10C)
Test Temp. - Start / Stop (C)	23/23	(+/- 1C) - Var.

SOUR DILUTED TO TS <2%

CERTIFIED BY

Ref. STANDARD METHODS 18th Ed. & *EPA SW-846
9222D - F. COLI 2540G - TS & VS
2710B - SOUR *9045 - pH

EASTEX ENVIRONMENTAL LABORATORY, INC.

P. O. Box 1089
Coldspring, Texas 77331
(936) 653-3249 * (800) 525-0508

P. O. Box 631375
Nacogdoches, Texas 75963-1375
(936) 569-8879

Horsepen Digester
Municipal District Services, LLC.
406 W Grand Pkwy, Ste 260
Katy, TX 77494

BIOSOLIDS PATHOGEN AND VECTOR ATTRACTION ANALYSIS

PLANT: Horsepen Digester
DATE: 5/22/12
TIME: 6:55
SAMPLER: BDS
SAMPLE MATRIX: Digester
SAMPLE NO. C1224505-01

PARAMETER	RESULTS	STATUS *	40 CFR 503 CRITERION CLASS B	CLASS A	METHOD	DATE TECH/TIME
PATHOGENS:						
INDICATOR ORGANISM						
Fecal Coliform	<10000	A	2,000,000	1,000	SM 9222 D	RCS;1700
#n/grams dry sludge			T.S. CFU/g	T.S. MPN/g	(APHA,1992)	5/22/12
***Fecal Coliform result is a geometric mean of 7 individual samples**						
VECTOR ATTRACTION:						
REDUCTION:						
Results	0.40	N	<1.5 mg/O_2/g Solids/hr		SM 2710 B	KLO;1526
mg/O_2/g Solids/hr					(APHA,1992)	5/22/12
BIOSOLIDS CHARACTERISTICS:						
Total Solids:	1.1 %	N			SM 2540 G	CEW;1630
					(APHA,1992)	5/23/12
Volatile Solids:	74.2 %	N			SM 2540 G	CRB;1130
					(APHA,1992)	5/24/12

James Johnson
Technical Laboratory Director

*NELAC Status: A = Accredited; N =Accreditation not offered; O = Not Accredited; P = Approved

Most current versions applicable for methods listed are being used.

The test results in this report relate only to the samples received and the report shall not be reproduced except in full, without the approval of the laboratory.

6/27/2012 12:15

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ENVIRODYNE LABORATORIES, INC.
11011 BROOKLET Dr. #230
HOUSTON, TEXAS 77099
(281) 568-7880

CERTIFICATE OF ANALYSIS

CLIENT:	JACKRABBIT PUD	LAB NUMBER:	AD04254B
DATE COLLECTED:	25-Jan-12	DATE RECEIVED:	25-Jan-12
DATE COMPLETED:	20-Feb-12	SAMPLED BY:	MB

SAMPLE TYPE: **Processes to Significantly Reduce Pathogens (PSRP)**

LOCATION:	Digester	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	6,900	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	0.02	1.5 mgO2/gram/Hr.
Sludge Characteristics		
Total Solids (%)	2.76	N/A
Volatile Solids (%)	1.62	N/A
Organic Conc. (%)	58.7	
Soil pH - Measured in Water (Units)	5.86	> 5.50

SOUR diluted to TS < 2.0%

CERTIFIED BY

Ref. STANDARD METHODS 18th Ed. & *EPA SW-846
9222D - F. COLI 2540G - TS & VS
2710B - SOUR *9045 - pH

NWDLS North Water District Laboratory Services, Inc.
8725 Fawn Trail - The Woodlands, TX 77385
(936) 321-6060 - fax (936) 321-6061 - lab@nwdls.com

Test Report

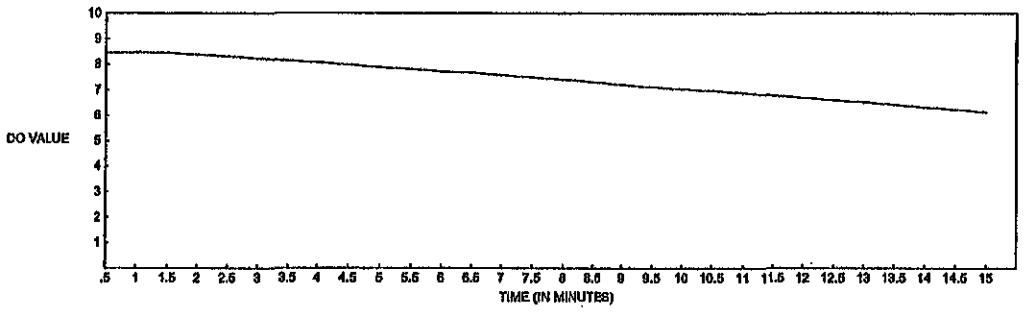
Lake Forest Plant Advisory Council - Environmental Development Partners
14600 Balcrest
CLASS B

Report #249297
Site: EDP 270

Report Generated 11/07/2012 12:10

Analysis performed on sludge sample received on 11/05/2012 11:40 collected by Kenneth Elliot from the Digester at 11/05/2012 06:05

PARAMETER		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10848604	82,000	CFU/g TS	SM 9222 D	DB	11/05/2012 12:31
Fecal Coliform	Sample ID: 10848605	82,000	CFU/g TS	SM 9222 D	DB	11/05/2012 12:31
Fecal Coliform	Sample ID: 10848606	79,000	CFU/g TS	SM 9222 D	DB	11/05/2012 12:31
Fecal Coliform	Sample ID: 10848607	85,000	CFU/g TS	SM 9222 D	DB	11/05/2012 12:31
Fecal Coliform	Sample ID: 10848608	80,000	CFU/g TS	SM 9222 D	DB	11/05/2012 12:31
Fecal Coliform	Sample ID: 10848609	81,000	CFU/g TS	SM 9222 D	DB	11/05/2012 12:31
Fecal Coliform	Sample ID: 10848610	84,000	CFU/g TS	SM 9222 D	DB	11/05/2012 12:31
Fecal Coliform	Geometric Mean	8.2E+04	82,000	CFU/g TS		
Total Solids	Sample ID: 10848602	1.4	%	SM 2540 G	OD	11/05/2012 16:23
S.O.U.R. Test	Sample ID: 10848602	0.77	mg O2/hr/g TS	SM 2710 B	OD	11/05/2012 03:09



The total solids is diluted to <= 2.0% for the S.O.U.R. test when necessary.

CLASS B - PASS

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/g TS and the S.O.U.R. must be less than or equal to 1.5 mg O2/hr/g TS.

Derek McCoy
Technical Director

NWDLS North Water District Laboratory Services, Inc.
8725 Fawn Trail - The Woodlands, TX 77385
(936) 321-6060 - fax (936) 321-6061 - lab@nwdls.com

Test Report

Mayde Creek - Environmental Development Partners

CLASS B

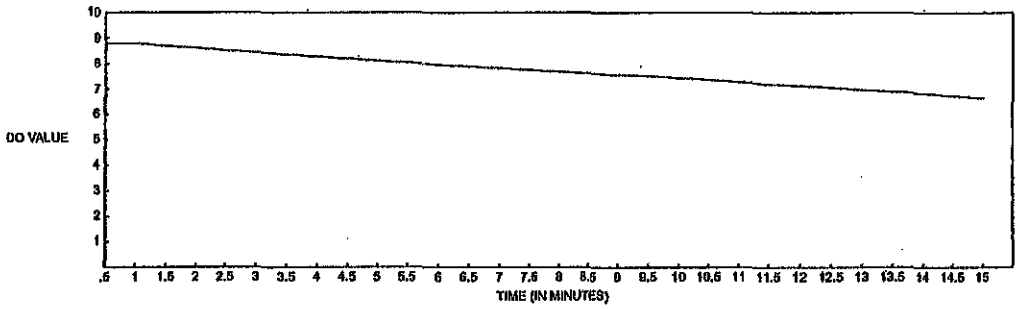
Report #255190

Report Generated 02/11/2013 14:01

Site: EDP 230

Analysis performed on sludge sample received on collected by Angel Rodriguez from the Digester at 02/05/2013 09:25

PARAMETER		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10884075	66,000	CFU/g TS	SM 9222 D	DB	02/05/2013 14:36
Fecal Coliform	Sample ID: 10884076	79,000	CFU/g TS	SM 9222 D	DB	02/05/2013 14:36
Fecal Coliform	Sample ID: 10884077	72,000	CFU/g TS	SM 9222 D	DB	02/05/2013 14:36
Fecal Coliform	Sample ID: 10884078	73,000	CFU/g TS	SM 9222 D	DB	02/05/2013 14:36
Fecal Coliform	Sample ID: 10884079	66,000	CFU/g TS	SM 9222 D	DB	02/05/2013 14:36
Fecal Coliform	Sample ID: 10884080	72,000	CFU/g TS	SM 9222 D	DB	02/05/2013 14:36
Fecal Coliform	Sample ID: 10884081	75,000	CFU/g TS	SM 9222 D	DB	02/05/2013 14:36
Fecal Coliform	Geometric Mean	7.2E+04	72,000	CFU/g TS		
Total Solids	Sample ID: 10884072	1.3	%	SM 2540 G	OD	02/05/2013 16:50
S.O.U.R. Test	Sample ID: 10884072	1.10	mg O2/hr/g TS	SM 2710 B	OD	02/03/2013 04:24



The total solids is diluted to <= 2.0% for the S.O.U.R. test when necessary.

CLASS B - PASS

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/g TS and the S.O.U.R. must be less than or equal to 1.5 mg O2/hr/g TS.

Paul Canevaro
Laboratory Director

FEB 1 C 2013

EASTEX ENVIRONMENTAL LABORATORY, INC.

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Coldspring, Texas 77331
(936) 653-3249 * (800) 525-0508

ACCREDITED IN ACCORDANCE WITH NELAC

P. O. Box 631375
Nacogdoches, Texas 75963-1375
(936) 569-8879

Mills Road
Water District Management
PO Box 579
Spring TX 77383

BIOSOLIDS PATHOGEN AND VECTOR ATTRACTION ANALYSIS

PLANT: Mills Rd Dig
DATE: 7/5/12
TIME: 12:55
SAMPLER: CAG
SAMPLE MATRIX: Digester
SAMPLE NO. C1232037-01

PARAMETER	RESULTS	STATUS *	40 CFR 503 CRITERION CLASS B	CLASS A	METHOD	DATE TECH/TIME
PATHOGENS: INDICATOR ORGANISM						
Fecal Coliform #n/grams dry sludge	22000	A	2,000,000 T.S. CFU/g	1,000 T.S. MPN/g	SM 9222 D (APHA,1992)	RCS; 1630 7/5/12
Fecal Coliform result is a geometric mean of 7 individual samples						
VECTOR ATTRACTION: REDUCTION:						
Results mg/O_2/g Solids/hr	0.50	N	<1.5 mg/O_2/g Solids/hr		SM 2710 B (APHA,1992)	RCS;1700 7/5/12
BIOSOLIDS CHARACTERISTICS:						
Total Solids:	1.7 %	N			SM 2540 G (APHA,1992)	CRB;1400 7/6/12
Volatile Solids:	69.4 %	N			SM 2540 G (APHA,1992)	CRB;1000 7/9/12

James Johnson
Technical Laboratory Director

*NELAC Status: A = Accredited; N =Accreditation not offered; O = Not Accredited; P = Approved

Most current versions applicable for methods listed are being used.

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7/25/2012 10:39

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RECEIVED AUG 01 2012 BY:

NWDLS North Water District Laboratory Services, Inc.
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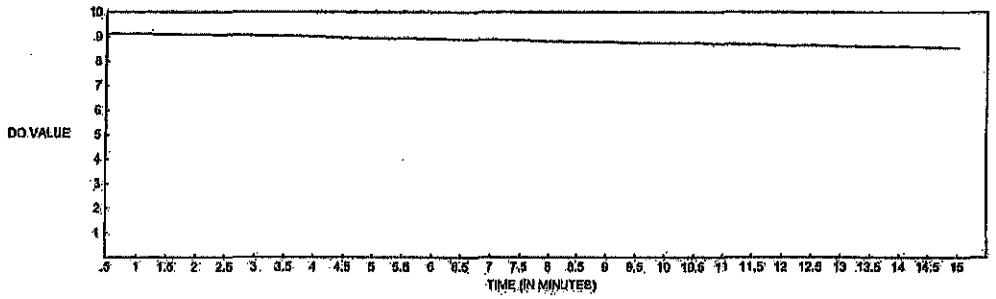
Test Report

Northampton MUD - Hays Utility Corporation
24235 Gosling Rd
CLASS B

Report #259903 | Report Generated 04/18/2013 07:24
Site: HAYS 38 | Page 1 of 1

Analysis performed on sludge sample received on 04/10/2013 12:09 collected by Kenneth Elliot from the Digester at 04/10/2013 11:00

PARAMETER		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10910123	4,900	CFU/g TS	SM 9222 D	DB	04/10/2013 12:15
Fecal Coliform	Sample ID: 10910124	4,500	CFU/g TS	SM 9222 D	DB	04/10/2013 12:15
Fecal Coliform	Sample ID: 10910125	3,600	CFU/g TS	SM 9222 D	DB	04/10/2013 12:15
Fecal Coliform	Sample ID: 10910126	5,400	CFU/g TS	SM 9222 D	DB	04/10/2013 12:15
Fecal Coliform	Sample ID: 10910127	5,800	CFU/g TS	SM 9222 D	DB	04/10/2013 12:15
Fecal Coliform	Sample ID: 10910128	4,900	CFU/g TS	SM 9222 D	DB	04/10/2013 12:15
Fecal Coliform	Sample ID: 10910129	4,000	CFU/g TS	SM 9222 D	DB	04/10/2013 12:15
Fecal Coliform	Geometric Mean	4.7E+03	4,700	CFU/g TS		
Total Solids	Sample ID: 10910120	2.0	%	SM 2540 G	OD	04/10/2013 16:47
S.O.U.R. Test	Sample ID: 10910120	0.35	mg O2/hr/g TS	SM 2710 B	OD	04/10/2013 03:07



The total solids is diluted to <= 2.0% for the S.O.U.R. test when necessary.

CLASS B - PASS

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/g TS and the S.O.U.R. must be less than or equal to 1.5 mg O2/hr/g TS.

Derek McCoy
Technical Director

HAYS UTILITY SOUTH
APR 19 2013
JENNY

104705

NWDLS North Water District Laboratory Services, Inc.
8725 Fawn Trail - The Woodlands, TX 77385
(936) 321-6060 Fax (936) 321-6061 - lab@nwdls.com

Test Report

Nottingham - Eco Resources

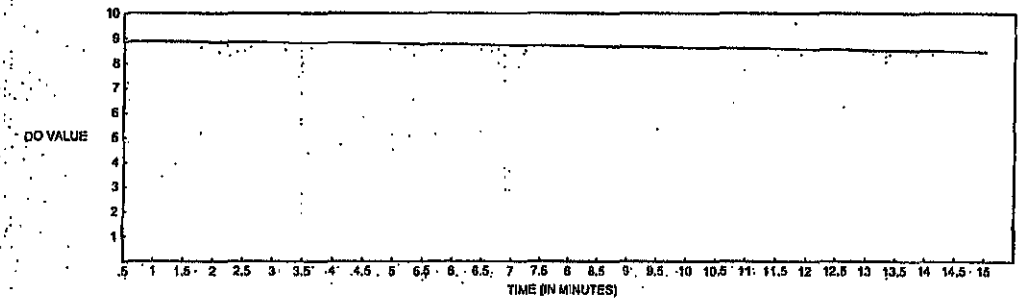
CLASS B

Report #230712 | Report Generated 01/09/2012 13:59

Site: ECO 460

Analysis performed on sludge sample received on 01/06/2012 12:44 collected by Angel Rodriguez from the Digester at 01/06/2012 10:00

PARAMETER		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10728205	38,000	CFU/g TS	SM 9222 D	OD	01/06/2012 14:05
Fecal Coliform	Sample ID: 10728206	35,000	CFU/g TS	SM 9222 D	OD	01/06/2012 14:05
Fecal Coliform	Sample ID: 10728207	47,000	CFU/g TS	SM 9222 D	OD	01/06/2012 14:05
Fecal Coliform	Sample ID: 10728208	49,000	CFU/g TS	SM 9222 D	OD	01/06/2012 14:05
Fecal Coliform	Sample ID: 10728209	41,000	CFU/g TS	SM 9222 D	OD	01/06/2012 14:05
Fecal Coliform	Sample ID: 10728210	39,000	CFU/g TS	SM 9222 D	OD	01/06/2012 14:05
Fecal Coliform	Sample ID: 10728211	47,000	CFU/g TS	SM 9222 D	OD	01/06/2012 14:05
Fecal Coliform	Geometric Mean	4.2E+04	42,000	CFU/g TS		
Total Solids	Sample ID: 10728203	3.0	%	SM 2540 G	OD	01/06/2012 15:00
S.O.U.R. Test	Sample ID: 10728203	0.15	mg O2/hr/g TS	SM 2710 B	OD	01/06/2012 01:28



The total solids is diluted to <= 2.0% for the S.O.U.R. test when necessary.

CLASS B - PASS

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/g TS and the S.O.U.R. must be less than or equal to 1.5 mg O2/hr/g TS.

Derek McCoy
Technical Director

EASTEX ENVIRONMENTAL LABORATORY, INC.

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www.eastexlabs.com *eastexlab@eastex.net*

NWHC MUD 5
Municipal District Services,
406 W Grand Pkwy S, Ste
Katy, TX 77494

Biosolids Pathogen and Vector Attraction Analysis
LABORATORY ANALYSIS REPORT

Project ID: **NWHC MUD 5 Dig**

Collect Date:	10/9/2012	SampleType:	Grab
Site:	Digester	Collect Time:	1:20 PM
Sample Number:	C1248170-01	Collector:	RCS

Test	*	Result	Units	Tech	Date	Time	Method
Fecal Coliform IDEXX	N	10921	MPN/gram	SDS	10/9/2012	6:50:00 P	Colilert 18
Percent Solid	A	1.80	%	CEW	10/11/2012	5:00:00 P	SM 2540G
Vector	N	0.90	mg O2/hr/g	SDS	10/10/2012	9:45:00 A	TAC 312.83(b)(4
Volatile Percent Solid	A	67.5	%	CRB	10/12/2012	10:00:00	SM 2540G

40 CFR 503 Criterion for Fecal Coliform Class B = 2,000,000 MPN/g. For Class A = 1,000 MPN/g
40 CFR 503 Criterion for Vector Class B = <1.5 mg/O2/g Solids/hr
*Fecal Coliform result is a geometric mean of seven individual samples.

James Johnson, Technical Director

NELAC Status:A=Accredited N=Accreditation not offered O=Not Accredited P=Approved
Most current versions applicable for methods listed are being used. Sample was diluted to less than 2% prior to sour analyses.
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Coldspring, Texas 77331
(936) 653-3249 * (800) 525-0508

ACCREDITED IN ACCORDANCE WITH nelac

P. O. Box 631375
Nacogdoches, Texas 75963-1375
(936) 569-8879

Porter MUD
P.O. Box 1030
Porter, TX 77365

BIOSOLIDS PATHOGEN AND VECTOR ATTRACTION ANALYSIS

PLANT: Porter Digester
DATE: 7/11/12
TIME: 10:10
SAMPLER: CEW
SAMPLE MATRIX: Digester
SAMPLE NO. C1233136-01

PARAMETER	RESULTS	STATUS *	40 CFR 503 CRITERION CLASS B	CLASS A	METHOD	DATE TECH/TIME
PATHOGENS: INDICATOR ORGANISM						
Fecal Coliform #n/grams dry sludge	40000	A	2,000,000 T.S. CFU/g	1,000 T.S. MPN/g	SM 9222 D (APHA,1992)	RCS;1645 7/11/12
***Fecal Coliform result is a geometric mean of 7 individual samples**						
VECTOR ATTRACTION: REDUCTION:						
Results mg/0_2/g Solids/hr	1.26	N	<1.5 mg/0_2/g Solids/hr		SM 2710 B (APHA,1992)	RCS;1715 7/11/12
BIOSOLIDS CHARACTERISTICS:						
Total Solids:	1.2 %	N			SM 2540 G (APHA,1992)	CRB;1200 7/12/12
Volatile Solids:	70.8 %	N			SM 2540 G (APHA,1992)	CRB;1130 7/13/12

James Johnson
Technical Laboratory Director

*NELAC Status: A = Accredited; N =Accreditation not offered; O = Not Accredited; P = Approved

Most current versions applicable for methods listed are being used.

The test results in this report relate only to the samples received and the report shall not be reproduced except in full, without the approval of the laboratory.

8/27/2012 12:02

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EASTEX ENVIRONMENTAL LABORATORY, INC.

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Coldspring, Texas 77331
(936) 653-3249 * (800) 525-0508

ACCREDITED IN ACCORDANCE WITH nelac

P. O. Box 631375
Nacogdoches, Texas 75963-1375
(936) 569-8879

Prestonwood
Water District Management
P.O. Box 579
Spring, TX 77383

BIOSOLIDS PATHOGEN AND VECTOR ATTRACTION ANALYSIS

PROJECT ID:	Prestonwood Dig
SITE:	Digestor
COLLECT DATE:	5/3/2012
COLLECT TIME:	12:00
SAMPLER:	CAG
SAMPLE NO.	C1221347-01

PARAMETER	RESULTS	STATUS *	40 CFR 503 CRITERION CLASS B	CLASS A	METHOD	DATE TECH/TIME
PATHOGENS:						
INDICATOR ORGANISM						
Fecal Coliform	125892	A	2,000,000	1,000	SM 9222 D	KMV;1700
#n/grams dry sludge			T.S. CFU/g	T.S. MPN/g	(APHA,1992)	5/3/12
***Fecal Coliform result is a geometric mean of 7 individual samples**						

VECTOR ATTRACTION: REDUCTION:					
Results	0.63	N	<1.5 mg/0_2/g Solids/hr	SM 2710 B	KMV;1630
mg/0_2/g Solids/hr				(APHA,1992)	5/3/12

BIOSOLIDS CHARACTERISTICS:					
Total Solids:	1.8	A		SM 2540 G	KMV;1520
				(APHA,1992)	5/8/12
Volatile Solids:	70.8 %	N		SM 2540 G	CRB;0830
				(APHA,1992)	5/10/12

James Johnson
Technical Laboratory Director

*NELAC Status: A = Accredited; N =Accreditation not offered; O = Not Accredited; P = Approved

Most current versions applicable for methods listed are being used.

The test results in this report relate only to the samples received and the report shall not be reproduced except in full, without the approval of the laboratory.

RECEIVED
JUN 11 2012
BY:

ENVIRODYNE LABORATORIES, INC.
11011 BROOKLET Dr. #230
HOUSTON, TEXAS 77099
(281) 568-7880

CERTIFICATE OF ANALYSIS

CLIENT:	RENN RD MUD (ST Environmental Services)	LAB NUMBER:	AD01426B
DATE COLLECTED:	30-Jan-12	DATE RECEIVED:	30-Jan-12
DATE COMPLETED:	17-Feb-12	SAMPLED BY:	MB

SAMPLE TYPE: **Processes to Significantly Reduce Pathogens (PSRP)**

LOCATION:	DIGESTER @ 0938	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	24,300	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	0.15	1.5 mgO2/gram/Hr.
Sludge Characteristics		
Total Solids (%)	2.13	N/A
Volatile Solids (%)	1.50	N/A
Organic Conc. (%)	70.4	
Soil pH - Measured in Water (Units)	6.71	> 5.50
Sample Temp. (C/F)	N/A	20/68 (+/- 10C)
Ambient Temp. (C/F)	N/A	N/A
Test Temp. - Start / Stop (C)	22/22	(+/- 1C) - Var.

SOUR diluted to TS < 2%

CERTIFIED BY

Ref. STANDARD METHODS 21st Ed. & *EPA SW-846
9222D - F. COLI 2540G - TS & VS
2710B - SOUR *9045 - pH

107138

NWDLS North Water District Laboratory Services, Inc.
3725 Fawn Trail, The Woodlands, TX 77385
(936) 321-6060 fax (936) 321-6061 lab@nwdls.com

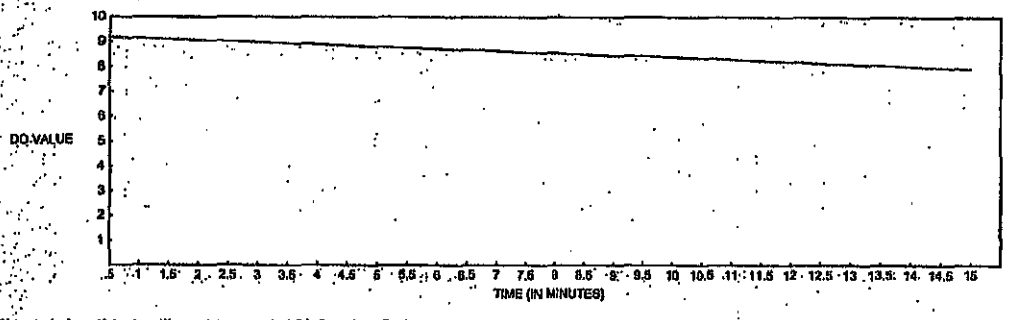
Test Report

Timberlane Central - Hays Utility Corporation
23118 1/2 Grand Rapids Ln
CLASS B

Report #239031 Report Generated 05/21/2012 09:07
Site: HAYS101 Page 1 of 1

Analysis performed on sludge sample received on 05/16/2012 16:16 collected by Jason Keasling from the Digester at 05/16/2012 15:30

PARAMETER		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10780639	24,000	CFU/g TS	SM 9222 D	OD	05/16/2012 16:28
Fecal Coliform	Sample ID: 10780640	28,000	CFU/g TS	SM 9222 D	OD	05/16/2012 16:28
Fecal Coliform	Sample ID: 10780641	28,000	CFU/g TS	SM 9222 D	OD	05/16/2012 16:28
Fecal Coliform	Sample ID: 10780642	27,000	CFU/g TS	SM 9222 D	OD	05/16/2012 16:28
Fecal Coliform	Sample ID: 10780643	28,000	CFU/g TS	SM 9222 D	OD	05/16/2012 16:28
Fecal Coliform	Sample ID: 10780644	25,000	CFU/g TS	SM 9222 D	OD	05/16/2012 16:28
Fecal Coliform	Sample ID: 10780645	28,000	CFU/g TS	SM 9222 D	OD	05/16/2012 16:28
Fecal Coliform	Geometric Mean	2.7E+04	27,000	CFU/g TS		
Total Solids	Sample ID: 10780638	2.4	%	SM 2540 G	OD	05/16/2012 17:30
S.O.U.R. Test	Sample ID: 10780638	0.40	mg O2/hr/g TS	SM 2710 B	OD	05/16/2012 05:03



The total solids is diluted to <= 2.0% for the S.O.U.R. test when necessary.

CLASS B - PASS

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/g TS and the S.O.U.R. must be less than or equal to 1.5 mg O2/hr/g TS.

Derek McCoy
Technical Director

106246

NWDLS North Water District Laboratory Services, Inc.
5725 Hawthorne Ln, Woodlands, TX 77381
936 321 6060 Fax (936) 321 6061 lab@nwdls.com

Test Report

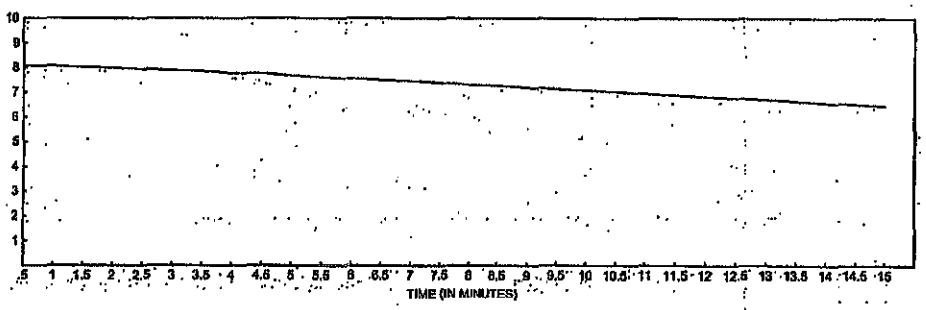
Report #206106 Report Generated: 04/04/2012 15:14

Treschwig Joint Powers - Environmental Development Partners

CLASS B Site: EDP 50

Analysis performed on sludge sample received on 04/02/2012 15:34 collected by Jason Keasling from the Digester at 04/02/2012 14:25

PARAMETERS		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10753338	66,000	CFU/g TS	SM 9222 D	OD	04/02/2012 15:37
Fecal Coliform	Sample ID: 10753339	67,000	CFU/g TS	SM 9222 D	OD	04/02/2012 15:37
Fecal Coliform	Sample ID: 10753340	70,000	CFU/g TS	SM 9222 D	OD	04/02/2012 15:37
Fecal Coliform	Sample ID: 10753341	70,000	CFU/g TS	SM 9222 D	OD	04/02/2012 15:37
Fecal Coliform	Sample ID: 10753342	67,000	CFU/g TS	SM 9222 D	OD	04/02/2012 15:37
Fecal Coliform	Sample ID: 10753343	70,000	CFU/g TS	SM 9222 D	OD	04/02/2012 15:37
Fecal Coliform	Sample ID: 10753344	71,000	CFU/g TS	SM 9222 D	OD	04/02/2012 15:37
Fecal Coliform	Geometric Mean	6.9E+04	69,000	CFU/g TS		
Total Solids	Sample ID: 10753335	1.8	%	SM 2540 G	OD	04/02/2012 17:10
S.O.U.R. Test	Sample ID: 10753335	0.67	mg O2/hr/g TS	SM 2710 B	OD	04/02/2012 04:36



The total solids is diluted to <= 2.0% for the S.O.U.R. test when necessary.

CLASS B: PASS

Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/g TS and the S.O.U.R. must be less than or equal to 1.5 mg O2/hr/g TS.

Derek McCoy
Technical Director