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 2nd **Reporting Period from** 2012 **To** 2013

PERMIT NO.: 04462 **DATE:** March 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): B **(Submit separate form for each field, if site has two or more fields)**

1. Class B Sewage Sludge -Land Applied: 391.71 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 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 4 Min Longitude: 96 Deg 5 Min
   e. Site physical address: 4.8 miles wet 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)

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Note 2: Please place this sheet at the top of your Quarterly Sludge Report.
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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 2nd **Reporting Period from** 2012 **To** 2013
PERMIT NO.: 04462 **DATE:** March 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): D **(Submit separate form for each field, if site has two or more fields)**

1. Class B Sewage Sludge -Land Applied: 382.91 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: 56 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 4 Min Longitude: 96 Deg 5 Min
   e. Site physical address: 4.8 miles wet 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

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Wastewater Permitting Section
P.O. Box 13087
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Quarterly Sludge Summary Report Form
(Class B)

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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 2nd **Reporting Period from** 2012 **To** 2013
PERMIT NO.: 04462 **DATE:** March 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): M **(Submit separate form for each field, if site has two or more fields)**

1. Class B Sewage Sludge -Land Applied: 266.88 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: 50 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 4 Min Longitude: 96 Deg 5 Min
   e. Site physical address: 4.8 miles wet 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:

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

Sewage Sludge Land Application Reporting Information
2nd quarter 2012-2013

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

12/1/2012	12/14/2012	1/2/2013	1/25/2013	2/5/2013	2/19/2013
12/1/2012	12/14/2012	1/2/2013	1/25/2013	2/5/2013	2/19/2013
12/2/2012	12/14/2012	1/2/2013	1/25/2013	2/6/2013	2/19/2013
12/2/2012	12/15/2012	1/2/2013	1/25/2013	2/6/2013	2/19/2013
12/3/2012	12/17/2012	1/3/2013	1/26/2013	2/6/2013	2/20/2013
12/3/2012	12/17/2012	1/3/2013	1/28/2013	2/6/2013	2/20/2013
12/3/2012	12/17/2012	1/3/2013	1/28/2013	2/6/2013	2/20/2013
12/4/2012	12/17/2012	1/3/2013	1/28/2013	2/6/2013	2/20/2013
12/4/2012	12/17/2012	1/4/2013	1/29/2013	2/6/2013	2/20/2013
12/4/2012	12/18/2012	1/4/2013	1/29/2013	2/6/2013	2/20/2013
12/4/2012	12/18/2012	1/4/2013	1/29/2013	2/7/2013	2/20/2013
12/5/2012	12/18/2012	1/4/2013	1/29/2013	2/7/2013	2/21/2013
12/5/2012	12/18/2012	1/5/2013	1/29/2013	2/7/2013	2/21/2013
12/5/2012	12/19/2012	1/7/2013	1/30/2013	2/7/2013	2/21/2013
12/5/2012	12/19/2012	1/7/2013	1/30/2013	2/7/2013	2/21/2013
12/6/2012	12/19/2012	1/8/2013	1/30/2013	2/7/2013	2/22/2013
12/7/2012	12/19/2012	1/8/2013	1/30/2013	2/7/2013	2/22/2013
12/7/2012	12/20/2012	1/17/2013	1/30/2013	2/7/2013	2/22/2013
12/7/2012	12/20/2012	1/18/2013	1/30/2013	2/7/2013	2/25/2013
12/7/2012	12/21/2012	1/18/2013	1/30/2013	2/8/2013	2/25/2013
12/10/2012	12/21/2012	1/18/2013	1/31/2013	2/8/2013	2/25/2013
12/10/2012	12/21/2012	1/18/2013	1/31/2013	2/8/2013	2/25/2013
12/10/2012	12/21/2012	1/18/2013	1/31/2013	2/8/2013	2/25/2013
12/10/2012	12/22/2012	1/18/2013	1/31/2013	2/8/2013	2/26/2013
12/10/2012	12/22/2012	1/19/2013	1/31/2013	2/9/2013	2/26/2013
12/10/2012	12/22/2012	1/21/2013	2/1/2013	2/9/2013	2/26/2013
12/11/2012	12/26/2012	1/21/2013	2/1/2013	2/13/2013	2/26/2013
12/11/2012	12/26/2012	1/21/2013	2/1/2013	2/13/2013	2/27/2013
12/11/2012	12/26/2012	1/21/2013	2/1/2013	2/14/2013	2/27/2013
12/12/2012	12/26/2012	1/21/2013	2/1/2013	2/14/2013	2/27/2013
12/12/2012	12/26/2012	1/21/2013	2/1/2013	2/14/2013	2/27/2013
12/12/2012	12/27/2012	1/22/2013	2/1/2013	2/14/2013	2/28/2013
12/12/2012	12/27/2012	1/22/2013	2/1/2013	2/15/2013	2/28/2013
12/12/2012	12/27/2012	1/22/2013	2/2/2013	2/15/2013	2/28/2013
12/13/2012	12/28/2012	1/23/2013	2/2/2013	2/15/2013	2/28/2013
12/13/2012	12/28/2012	1/23/2013	2/4/2013	2/15/2013	2/28/2013
12/13/2012	12/28/2012	1/23/2013	2/4/2013	2/15/2013	
12/13/2012	12/28/2012	1/23/2013	2/4/2013	2/15/2013	
12/13/2012	12/28/2012	1/24/2013	2/4/2013	2/16/2013	
12/13/2012	12/28/2012	1/24/2013	2/4/2013	2/18/2013	
12/13/2012	12/31/2012	1/24/2013	2/5/2013	2/18/2013	
12/14/2012	12/31/2012	1/24/2013	2/5/2013	2/18/2013	
12/14/2012	12/31/2012	1/25/2013	2/5/2013	2/18/2013	
12/14/2012	12/31/2012	1/25/2013	2/5/2013	2/19/2013	

SOURCES APPROVED FOR
LOOK RANCH
WQ0004462000

AS OF: 1/24/13

Source Name	Source Permit #	Source Name	Source Permit #	Source Name	Source Permit #
ATASCOCITA 109	WQ0011533-001	HC MUD 127	WQ0012209-001	Prairie View A&M	WQ0011275-002
BAMMEL	WQ0011105-001	HC MUD 150	WQ0011863-001	Prestonwood MUD	WQ0011089-001
BARWOOD	WQ0010876-001	HC MUD 157	WQ0011906-001	REID ROAD	WQ0011563-001
BELLAIRE	WQ0010550-001	HC MUD 166	WQ0012474-001	REMINGTON MUD	WQ0013328-001
BRAZOS ISD	WQ0011719-001	HC MUD 230	WQ0012877-001	RENN ROAD	WQ0012078-001
CHELFORD	WQ0011599-001	HC MUD 238	WQ0012802-001	RICHEY ROAD	WQ0011563-001
CINCO CENTRAL (HC MUD 81)	WQ0013558-001	HC MUD 250	WQ0014811-001	ROLLING CREEK UD	WQ0012841-001
CNP	WQ0011239-001	HC MUD 358 (FAIRFIELD	WQ0013296-002	ROMAN FOREST	WQ0013638-001
COFFIELD UNIT	WQ0010823-001	HC MUD 368	WQ0012044-001	SHENANDOAH, CITY (	WQ0012212-001
(HC MUD 208)	WQ0011947-001	HC WCID 074	WQ0010679-001	SJRA - MAIN	WQ0011401-001
COUNTRYSIDE ESTATES	WQ0011249-001	HC WCID 116	WQ0010955-001	SPLENDORA, CITY OF	WQ0013389-001
CREEKSIDE VILLAGE	WQ0014531-001	HC WCID 119	WQ11024-001	STEEPLECHASE (HC	WQ0012121-001
CYPRESS KLEIN UD	WQ0011366-001	HC WCID 133	WQ0014538-001	SUGARLAND REGION	WQ0011317-001
DAISETTA, CITY OF	WQ0010736-001	HC WCID 84	WQ0010558-001	TIMBERLAKE ID	WQ0011267-001
DECKER HILLS	WQ0012587-001	HITCHCOCK	WQ0010690-001	TIMBERLANE	WQ0011142-002
EL DORADO	WQ0011302-001	HORSEPEN BAYOU	WQ0012128-001	TRAIL OF THE LAKES	WQ0011901-001
EMERALD FOREST	WQ0011201-001	JACKRABBIT PUD	WQ0011290-001	TOMBALL NORTH PLANT 1	WQ0010616-001
ESTELLE UNIT	WQ0011180-002	JERSEY VILLAGE	WQ0012681-001	TOMBALL SOUTH	WQ0010616-002
FAULKEY GULLY MUD	WQ0011832-001	KATY, CITY OF	WQ0010706-001	TRESCHWIG CENTRA	WQ0011141-001
FLATONIA, CITY OF	WQ0010101-001	KLEINWOOD	WQ0011409-001	WALLIS, CITY OF	WQ0010765-001
FB MUD 23	WQ0011999-001	LAKE FOREST	WQ0011084-001	WEST UNIVERSITY	WQ0010058-001
FB MUD 37	WQ0012370-001	LAMAR ISD-WILLIAMS	WQ0013007-001	WHC MUD 07	WQ0012140-001
FB WCID 2	WQ0010086-002	LANGHAM CREEK	WQ0011682-001	WHC MUD 11	WQ0013689-001
GALVESTON CO WCID 8 (SANTA FE)	WQ0010174-001	LIBERTY, CITY OF	WQ0010108-001	WHC MUD 17	WQ0012247-001
GRAND LAKES 4	WQ0013245-001	LUTHER UNIT	WQ0012458-002	WHITE OAK BAYOU	WQ0011538-001
GRAND MISSION MUD 1	WQ0014231-001	MAYDE CREEK	WQ11969-001	WINCHESTER (WHC MUD 10)	WQ0014072-001
Greenwood UD	WQ0011061-001	MC WCID 1	WQ0010857-001		
GULF COAST TRADE	WQ0011829-001	MILLS ROAD	WQ0011907-002		
HASTINGS GREEN	WQ0010876-002	MONT BELVIEU	WQ0011030-001		
HC MUD 001	WQ0011630-001	MONTGOMERY, CITY OF	WQ0011521-001		
HC MUD 006	WQ0011273-001	NORTH HAMPTON	WQ0010910-001		
HC MUD 008	WQ0011727-001	NORTHPOINTE REGIONAL (NWHC MUD 15)	WQ0011939-001		
HC MUD 023	WQ0011485-001	NOTTINGHAM	WQ0012479-001		
HC MUD 024	WQ0011988-001	NWHC MUD 05	WQ0011824-002		
HC MUD 070	WQ0011486-001	NWHC MUD 16	WQ0011935-001		
HC MUD 071	WQ0011917-001	OLD EGYPT	WQ0014141-001		
HC MUD 102	WQ0011523-001	PACK UNIT	WQ0013743-001		
HC MUD 105	WQ0011792-002	PORTER MUD	WQ0012242-001		

Sludge Land Application Information

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
12/1/2012	B	HC MUD 102	7.84	N	Y	Y	N	N
12/1/2012	B	Treschwig	6.62	N	Y	Y	N	N
12/2/2012	B	HC MUD 102	3.92	N	Y	Y	N	N
12/2/2012	B	Treschwig	9.94	N	Y	Y	N	N
12/3/2012	B	Chelford	5.39	N	Y	Y	N	N
12/3/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/3/2012	B	Jackrabbit	2.39	N	Y	Y	N	N
12/4/2012	B	Chelford	5.39	N	Y	Y	N	N
12/4/2012	B	HC MUD 127	0.53	N	Y	Y	N	N
12/4/2012	B	Nottingham	2.70	N	Y	Y	N	N
12/4/2012	B	Tomball 1	2.53	N	Y	Y	N	N
12/5/2012	B	Chelford	5.39	N	Y	Y	N	N
12/5/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/5/2012	B	HC MUD 127	4.27	N	Y	Y	N	N
12/5/2012	B	Jackrabbit	2.39	N	Y	Y	N	N
12/6/2012	B	Chelford	5.39	N	Y	Y	N	N
12/7/2012	B	Chelford	5.39	N	Y	Y	N	N
12/7/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/7/2012	B	Jackrabbit	2.39	N	Y	Y	N	N
12/7/2012	B	Tomball 1	2.53	N	Y	Y	N	N
12/10/2012	B	Chelford	5.39	N	Y	Y	N	N
12/10/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/10/2012	B	Hastings Green	4.80	N	Y	Y	N	N
12/10/2012	B	Jackrabbit	2.39	N	Y	Y	N	N
12/10/2012	B	Nottingham	2.70	N	Y	Y	N	N
12/10/2012	B	Tomball 2	2.63	N	Y	Y	N	N
12/11/2012	B	Chelford	5.39	N	Y	Y	N	N
12/11/2012	B	HC WCID 133	3.24	N	Y	Y	N	N
12/11/2012	B	Hastings Green	7.20	N	Y	Y	N	N
12/12/2012	B	Chelford	5.39	N	Y	Y	N	N
12/12/2012	B	HC WCID 133	6.47	N	Y	Y	N	N
12/12/2012	B	Hastings Green	9.60	N	Y	Y	N	N
12/12/2012	B	Jackrabbit	2.39	N	Y	Y	N	N
12/12/2012	B	SJRA III	2.14	N	Y	Y	N	N
12/13/2012	B	Chelford	5.39	N	Y	Y	N	N
12/13/2012	B	HC WCID 133	3.24	N	Y	Y	N	N
12/13/2012	B	HC WCID 133	1.08	N	Y	Y	N	N
12/13/2012	B	Hastings Green	7.20	N	Y	Y	N	N
12/13/2012	B	Renn Road	13.05	N	Y	Y	N	N
12/13/2012	B	SJRA III	3.20	N	Y	Y	N	N
12/13/2012	B	Tomball 1	2.53	N	Y	Y	N	N
12/14/2012	B	Bammel	2.58	N	Y	Y	N	N
12/14/2012	B	Chelford	5.39	N	Y	Y	N	N
12/14/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/14/2012	B	Hastings Green	2.40	N	Y	Y	N	N

Sludge Land Application Information

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
12/14/2012	B	Jackrabbit	2.39	N	Y	Y	N	N
12/14/2012	B	Winchester	10.39	N	Y	Y	N	N
12/15/2012	B	Winchester	10.39	N	Y	Y	N	N
12/17/2012	B	Chelford	5.39	N	Y	Y	N	N
12/17/2012	B	Cinco	15.17	N	Y	Y	N	N
12/17/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/17/2012	B	Hastings Green	4.80	N	Y	Y	N	N
12/17/2012	B	Nottingham	2.70	N	Y	Y	N	N
12/18/2012	B	Chelford	5.39	N	Y	Y	N	N
12/18/2012	B	Cinco	7.59	N	Y	Y	N	N
12/18/2012	B	Hastings Green	7.20	N	Y	Y	N	N
12/18/2012	B	Renn Road	9.78	N	Y	Y	N	N
12/19/2012	B	Chelford	5.39	N	Y	Y	N	N
12/19/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/19/2012	B	Tomball 1	2.53	N	Y	Y	N	N
12/19/2012	B	Tomball 2	2.63	N	Y	Y	N	N
12/20/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/20/2012	B	Lake Forest	3.16	N	Y	Y	N	N
12/21/2012	B	Chelford	5.39	N	Y	Y	N	N
12/21/2012	B	HC MUD 71	6.83	N	Y	Y	N	N
12/21/2012	B	Hastings Green	2.40	N	Y	Y	N	N
12/21/2012	B	Lake Forest	6.32	N	Y	Y	N	N
12/22/2012	B	HC MUD 71	6.83	N	Y	Y	N	N
12/22/2012	B	Lake Forest	3.16	N	Y	Y	N	N
12/22/2012	B	Lake Forest	1.58	N	Y	Y	N	N
12/26/2012	B	Chelford	5.39	N	Y	Y	N	N
12/26/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/26/2012	B	Jackrabbit	2.39	N	Y	Y	N	N
12/26/2012	B	Prestonwood	2.19	N	Y	Y	N	N
12/26/2012	B	Tomball 1	2.53	N	Y	Y	N	N
12/27/2012	B	Chelford	5.39	N	Y	Y	N	N
12/27/2012	B	Faulkey Gully	13.05	N	Y	Y	N	N
12/27/2012	B	HC WCID 133	10.47	N	Y	Y	N	N
12/28/2012	M	Chelford	5.39	N	Y	Y	N	N
12/28/2012	M	Copperfield	2.34	N	Y	Y	N	N
12/28/2012	B	Faulkey Gully	4.35	N	Y	Y	N	N
12/28/2012	B	HC WCID 133	3.49	N	Y	Y	N	N
12/28/2012	B	Jackrabbit	2.39	N	Y	Y	N	N
12/28/2012	B	Timberlane	7.94	N	Y	Y	N	N
12/31/2012	M	Chelford	2.70	N	Y	Y	N	N
12/31/2012	B	Copperfield	2.34	N	Y	Y	N	N
12/31/2012	B	Jackrabbit	2.39	N	Y	Y	N	N
12/31/2012	M	Nottingham	2.70	N	Y	Y	N	N
1/2/2013	M	Chelford	5.39	N	Y	Y	N	N
1/2/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/2/2013	M	Prestonwood	2.19	N	Y	Y	N	N

Sludge Land Application Information

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
1/2/2013	M	Timberlane	11.91	N	Y	Y	N	N
1/3/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/3/2013	M	Jackrabbit	2.39	N	Y	Y	N	N
1/3/2013	M	Timberlane	11.91	N	Y	Y	N	N
1/3/2013	M	Tomball 1	2.53	N	Y	Y	N	N
1/4/2013	M	Bammel	2.58	N	Y	Y	N	N
1/4/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/4/2013	M	Nottingham	2.70	N	Y	Y	N	N
1/4/2013	M	Tomball 2	2.63	N	Y	Y	N	N
1/5/2013	M	Jackrabbit	2.39	N	Y	Y	N	N
1/7/2013	M	Chelford	5.39	N	Y	Y	N	N
1/7/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/8/2013	M	Chelford	2.70	N	Y	Y	N	N
1/8/2013	M	Hastings Green	2.40	N	Y	Y	N	N
1/17/2013	M	Porter	1.48	N	Y	Y	N	N
1/18/2013	M	Bammel	2.58	N	Y	Y	N	N
1/18/2013	M	Chelford	2.70	N	Y	Y	N	N
1/18/2013	M	Cinco	11.38	N	Y	Y	N	N
1/18/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/18/2013	M	Horsepen	3.08	N	Y	Y	N	N
1/18/2013	M	Jackrabbit	2.39	N	Y	Y	N	N
1/19/2013	M	Cinco	3.79	N	Y	Y	N	N
1/21/2013	M	Chelford	5.39	N	Y	Y	N	N
1/21/2013	M	Cinco	7.59	N	Y	Y	N	N
1/21/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/21/2013	M	Jackrabbit	2.39	N	Y	Y	N	N
1/21/2013	M	Mills	2.12	N	Y	Y	N	N
1/21/2013	M	Prestonwood	2.19	N	Y	Y	N	N
1/22/2013	M	Chelford	5.39	N	Y	Y	N	N
1/22/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/22/2013	M	Tomball 1	2.53	N	Y	Y	N	N
1/23/2013	M	Chelford	5.39	N	Y	Y	N	N
1/23/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/23/2013	M	HC WCID 133	10.47	N	Y	Y	N	N
1/23/2013	M	Jackrabbit	2.39	N	Y	Y	N	N
1/24/2013	M	Chelford	5.39	N	Y	Y	N	N
1/24/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/24/2013	M	HC WCID 133	6.98	N	Y	Y	N	N
1/24/2013	M	Tomball 2	2.63	N	Y	Y	N	N
1/25/2013	M	Chelford	5.39	N	Y	Y	N	N
1/25/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/25/2013	M	HC MUD 71	6.83	N	Y	Y	N	N
1/25/2013	M	HC MUD 71	2.28	N	Y	Y	N	N
1/25/2013	M	Prestonwood	2.19	N	Y	Y	N	N
1/25/2013	M	Tomball 1	2.53	N	Y	Y	N	N
1/26/2013	M	Jackrabbit	2.39	N	Y	Y	N	N

Sludge Land Application Information

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
1/28/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/28/2013	M	Porter	2.97	N	Y	Y	N	N
1/28/2013	M	Tomball 2	2.63	N	Y	Y	N	N
1/29/2013	M	Bammel	2.58	N	Y	Y	N	N
1/29/2013	M	Chelford	5.39	N	Y	Y	N	N
1/29/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/29/2013	M	Nottingham	2.70	N	Y	Y	N	N
1/29/2013	M	Prestonwood	2.19	N	Y	Y	N	N
1/30/2013	M	Chelford	5.39	N	Y	Y	N	N
1/30/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/30/2013	M	Jackrabbit	2.39	N	Y	Y	N	N
1/30/2013	M	Renn Road	6.52	N	Y	Y	N	N
1/30/2013	M	SJRA III	8.01	N	Y	Y	N	N
1/30/2013	M	Tomball 1	2.53	N	Y	Y	N	N
1/30/2013	M	Tomball 2	2.63	N	Y	Y	N	N
1/31/2013	M	Chelford	5.39	N	Y	Y	N	N
1/31/2013	M	Copperfield	2.34	N	Y	Y	N	N
1/31/2013	M	Nottingham	2.70	N	Y	Y	N	N
1/31/2013	D	Porter	1.48	N	Y	Y	N	N
1/31/2013	D	Renn Road	13.05	N	Y	Y	N	N
2/1/2013	D	Bammel	2.58	N	Y	Y	N	N
2/1/2013	D	Chelford	5.39	N	Y	Y	N	N
2/1/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/1/2013	D	Jackrabbit	2.39	N	Y	Y	N	N
2/1/2013	D	Lake Forest	5.92	N	Y	Y	N	N
2/1/2013	D	Porter	1.48	N	Y	Y	N	N
2/1/2013	D	Tomball 2	2.63	N	Y	Y	N	N
2/1/2013	D	Winchester	6.93	N	Y	Y	N	N
2/2/2013	D	Lake Forest	2.96	N	Y	Y	N	N
2/2/2013	D	Winchester	6.93	N	Y	Y	N	N
2/4/2013	D	Chelford	10.79	N	Y	Y	N	N
2/4/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/4/2013	D	HC MUD 70	1.60	N	Y	Y	N	N
2/4/2013	D	Lake Forest	5.92	N	Y	Y	N	N
2/4/2013	D	Tomball 1	2.53	N	Y	Y	N	N
2/5/2013	D	Chelford	2.70	N	Y	Y	N	N
2/5/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/5/2013	D	HC MUD 70	0.53	N	Y	Y	N	N
2/5/2013	D	Mayde Creek	2.36	N	Y	Y	N	N
2/5/2013	D	Nottingham	2.70	N	Y	Y	N	N
2/5/2013	D	Porter	1.48	N	Y	Y	N	N
2/6/2013	D	Bammel	2.58	N	Y	Y	N	N
2/6/2013	D	Chelford	2.70	N	Y	Y	N	N
2/6/2013	D	HC MUD 70	2.14	N	Y	Y	N	N
2/6/2013	D	HC WCID 133	8.21	N	Y	Y	N	N
2/6/2013	D	Hastings Green	4.80	N	Y	Y	N	N

Sludge Land Application Information

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
2/6/2013	D	Jackrabbit	2.39	N	Y	Y	N	N
2/6/2013	D	Mayde Creek	7.08	N	Y	Y	N	N
2/6/2013	D	Tomball 2	2.63	N	Y	Y	N	N
2/7/2013	D	Bammel	2.58	N	Y	Y	N	N
2/7/2013	D	Chelford	5.39	N	Y	Y	N	N
2/7/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/7/2013	D	HC WCID 133	5.48	N	Y	Y	N	N
2/7/2013	D	Hastings Green	4.80	N	Y	Y	N	N
2/7/2013	D	Mayde Creek	2.36	N	Y	Y	N	N
2/7/2013	D	Steeplechase	10.21	N	Y	Y	N	N
2/7/2013	D	Tomball 1	2.53	N	Y	Y	N	N
2/7/2013	D	Tomball 2	2.63	N	Y	Y	N	N
2/8/2013	D	Chelford	2.70	N	Y	Y	N	N
2/8/2013	D	Hastings Green	7.20	N	Y	Y	N	N
2/8/2013	D	Jackrabbit	2.39	N	Y	Y	N	N
2/8/2013	D	Porter	1.48	N	Y	Y	N	N
2/8/2013	D	Steeplechase	10.21	N	Y	Y	N	N
2/9/2013	D	Porter	1.48	N	Y	Y	N	N
2/9/2013	D	Steeplechase	5.11	N	Y	Y	N	N
2/13/2013	D	Bammel	2.58	N	Y	Y	N	N
2/13/2013	D	Nottingham	2.70	N	Y	Y	N	N
2/14/2013	D	Chelford	5.39	N	Y	Y	N	N
2/14/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/14/2013	D	Hastings Green	7.20	N	Y	Y	N	N
2/14/2013	D	Tomball 1	2.53	N	Y	Y	N	N
2/15/2013	D	Chelford	5.39	N	Y	Y	N	N
2/15/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/15/2013	D	Faulkey Gully	6.10	N	Y	Y	N	N
2/15/2013	D	Jackrabbit	2.39	N	Y	Y	N	N
2/15/2013	D	Prestonwood	2.19	N	Y	Y	N	N
2/15/2013	D	Tomball 2	2.63	N	Y	Y	N	N
2/16/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/18/2013	D	Bammel	2.58	N	Y	Y	N	N
2/18/2013	D	Chelford	5.39	N	Y	Y	N	N
2/18/2013	D	Faulkey Gully	9.15	N	Y	Y	N	N
2/18/2013	D	Nottingham	2.70	N	Y	Y	N	N
2/19/2013	D	Chelford	5.39	N	Y	Y	N	N
2/19/2013	D	HC MUD 70	0.53	N	Y	Y	N	N
2/19/2013	D	Jackrabbit	2.39	N	Y	Y	N	N
2/19/2013	D	Mills	2.12	N	Y	Y	N	N
2/19/2013	D	Porter	2.97	N	Y	Y	N	N
2/20/2013	D	Bammel	2.58	N	Y	Y	N	N
2/20/2013	D	Chelford	5.39	N	Y	Y	N	N
2/20/2013	D	Cinco	7.59	N	Y	Y	N	N
2/20/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/20/2013	D	HC WCID 133	2.74	N	Y	Y	N	N

Sludge Land Application Information

Date	Field	Source	Tons	Path A	Path B	Vector	Limit 1	Limit 3
2/20/2013	D	Nottingham	2.70	N	Y	Y	N	N
2/20/2013	D	SJRA III	0.80	N	Y	Y	N	N
2/21/2013	D	Chelford	5.39	N	Y	Y	N	N
2/21/2013	D	Cinco	7.59	N	Y	Y	N	N
2/21/2013	D	Jackrabbit	2.39	N	Y	Y	N	N
2/21/2013	D	Porter	2.97	N	Y	Y	N	N
2/22/2013	D	Bammel	2.58	N	Y	Y	N	N
2/22/2013	D	Chelford	5.39	N	Y	Y	N	N
2/22/2013	D	Jackrabbit	2.39	N	Y	Y	N	N
2/25/2013	D	Bammel	2.58	N	Y	Y	N	N
2/25/2013	D	Chelford	5.39	N	Y	Y	N	N
2/25/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/25/2013	D	Jackrabbit	2.39	N	Y	Y	N	N
2/25/2013	D	Porter	2.97	N	Y	Y	N	N
2/26/2013	D	Bammel	2.58	N	Y	Y	N	N
2/26/2013	D	Chelford	5.39	N	Y	Y	N	N
2/26/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/26/2013	D	Prestonwood	2.19	N	Y	Y	N	N
2/27/2013	D	Bammel	2.58	N	Y	Y	N	N
2/27/2013	D	Chelford	2.70	N	Y	Y	N	N
2/27/2013	D	Copperfield	2.34	N	Y	Y	N	N
2/27/2013	D	Jackrabbit	2.39	N	Y	Y	N	N
2/28/2013	D	Bammel	2.58	N	Y	Y	N	N
2/28/2013	D	Chelford	5.39	N	Y	Y	N	N
2/28/2013	D	Porter	2.97	N	Y	Y	N	N
2/28/2013	D	Treschwig	6.62	N	Y	Y	N	N
2/28/2013	D	Copperfield	2.34	N	Y	Y	N	N

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: _____

Printed Name: Todd Shearin

Title: Director, Municipal Environmental Services

Site # 04462

Field B

Suggested Agronomic rate 12

Metal	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
Cumulative Metals	0.0752	0.0600	0.2863	3.8854	0.1197	0.0121	0.1347	0.2163	0.1072	9.6809

Site # 04462

Field D

Suggested Agronomic rate 12

Metal	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
Cumulative Metals	0.6566	0.6454	6.6483	55.1057	4.4137	1.9384	1.3104	2.7284	7.6016	103.4808

Site # 04462

Field M

Suggested Agronomic rate 12

Metal	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
Cumulative Metals	0.6722	0.6168	6.5149	49.3916	4.3171	1.9345	1.2182	2.5761	7.5153	95.3015

Certificate Of Insurance
30 TAC §37.9145 Commercial Liability

Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer	Add'l Prem.	Return Prem.
EPC 9040526 05	5/3/2012	5/3/2013	5/3/2012	36208000	---	---

Named Insured and Mailing Address:

TERRA RENEWAL LLC
201 SOUTH DENVER
RUSSELLVILLE, AR 72811

Producer:

WELLS FARGO INSURANCE SERVICES USA
5151 BELT LINE ROAD, SUITE 200
DALLAS, TX 75254

CERTIFICATE OF INSURANCE FOR COMMERCIAL LIABILITY

Name and Address of Insurer (herein called the "Insurer"):
Steadfast Insurance Company
Administrative Office
1400 American Lane Schaumburg, IL
60196-1056

Name and Physical and Mailing Addresses of Insured (herein called the "Insured"):
Terra Renewal Services, Inc.
TRS Enviroganics, Inc.
201 S. Denver Ave.
2nd Fl.
Russellville, AR 72811-3036

Additional Insured: Texas Commission on Environmental Quality Physical Address: 12100 Park 35 Circle, MC 184, Austin, TX 78753 Mailing Address: MC 184, P. O. Box 13087, Austin, TX 78711-3087

Facilities covered: *(list for each facility: permit number, name, and physical and mailing addresses)*

Landowner	Longitude	Latitude	County	Location	Mailing Address	Retroactive Date
Barbra Look permit WQ4462	96 Deg 5"	30 Deg 4"	Waller	4.8 mi. W. of intersection. of Hwy 290 and Hwy. 6	P O Box 3036 Russellville, AR 72811	April 11,2007
James Henderson permit WQ4460	94 Deg 30'	30 Deg 33'	Liberty	4 mi E of intersection of FM 1410 and FM 61, at the intersection of Deavers Road and FM 1410	P O Box 3036 Russellville, AR 72811	April 11,2007

Mary Weber permit WQ4501	96 Deg 5'	30 Deg 6'	Waller	0.2 mi. W of intersection of FM 359 & Pierceall Rd.	P O Box 3036 Russellville, AR 72811	April 11,2007
Reavis Farms permit WQ4463	98 Deg 30'	26 Deg 25'	Hidalgo	1.25 mi. W of intersection of FM 2221 and Seven Mile Road	P O Box 3036 Russellville, AR 72811	April 11,2007
Santa Anita Ranch (Burning Tree) permit WQ4803	96 Deg 35'	32 Deg 12'	Kaufman	5 mi. E on State Hwy 243 to CR 101. Site is adjacent to NW side of CR101, approx .75miles from intersection of 243/101	P O Box 3036 Russellville, AR 72811	April 11,2007
Griffin Farm Permit 4513	94 Deg 46'	32 Deg 26'	Gregg	Farm to Market Road 2087, approx. 1.6 miles S of the intersection of Farm to Market Road 1845 and Farm to Market Road 2087.	P O Box 3036 Russellville, AR 72811	April 11,2007
Jose Martinez Permit WQ4817	98 Deg 32'	26 Deg 38'	Starr	On the noth side of La Morita Road, approx. 1/8 mile west of the intersection of La Morita Road and FM 755	P O Box 3036 Russellville, AR 72811	April 11,2007
Iron Farm Cattle Permit WQ0004830000	94 Deg 48'	32 Deg 23'	Gregg	E. side of Farm-to-Market Road 2276, extending from approx. 300' N. of the intersection of FM 2267 and FM 349, approx. 1.5 mi. E. of the City of Kilgore, Gregg County, TX	P.O. Box 3036 Russellville, AR 72811	August 7, 2008
Reavis Farm South Permit 04861	98 Deg 30'	26 Deg 25'	Hidalgo	Approx. 1.25 mi. W. of the intersection of Farm-to-Market 2221 and Seven Mile Road in Hidalgo County, TX	P.O. Box 3036 Russellville, AR 72811	August 7, 2008
Reavis McCook North Permit WQ004923000	98 Deg 28'	26 Deg 31'	Starr	Adjacent to unnamed road north of FM 490, located approx. 6 mi. east of McCook, TX and 2 mi. north of FM 490, in Starr County, TX.	P.O. Box 3036 Russellville, AR 72811	May 03, 2010
Reavis McCook South Permit WQ004924000	98 Deg 25'	26 Deg 28'	Hidalgo	Located at the NE. corner of the intersection of CR 3239 and Mile 16 Road, approx. 1.78 mi. south of the intersection of FM 490 and CR 3239, approx. 2.75 Mi. west of McCook TX.4. In Hidalgo County, TX	P.O. Box 3036 Russellville, AR 72811	May 03, 2010
Ayers/Wyatt Permit WQ004943000	94 Deg 44'	33 Deg 06'	Morris	Adjacent to west side of County Road 3201, approximately 1.9 miles west of intersection of County Road 3201 and County Road 3112, approximately 1.7 miles north of intersection of County Road 3112 and State Hwy 49, approximately 2.5 miles west of Daingerfield, Texas.	P O Box 3036 Russellville, AR 72811	July 30, 2010

Freeman/ Conner Permit WQ0004947000	94 Deg 47'	33 Deg 07'	Morris	Adjacent to east side of County Road 1233, approximately 2.9 miles from the intersection of County Road 1233 and State Hwy 49, approximately 6.1 miles north of Daingerfield, Texas.	P O Box 3036 Russellville, AR 72811	August 30, 2010
Hooser Farm Permit WQ0004950000	96 Deg 50'	32 Deg 06'	Ellis & Navarro	Center of property located at intersection of Hamrock Road and Joes Road, approximately 1.1 mile south of intersection of Hamrock Road and Hooser Road, approximately 1.5 mile west of intersection of Hooser Road and Farm-to-Market Road 667, approximately 4.5 miles south of Italy, Texas in Ellis and Navarro Counties.	P O Box 3036 Russellville, AR 72811	November 2, 2010
Center Ranch WQ0004961000	31 Deg 17'7	95 Deg 52'56	Leon	3582 FM road 811	Centerville, TX 75833	Date of 1st Application
Sloan Farm Permit Application	96° 20' 09"W	32° 07' 49" N	Navarro	Located on Brookshire Road 1 mile north of the intersection of Highway 31 and Brookshire Road	Powell, TX	December 01, 2011

Per Occurrence Limit:	$3,000,000
Annual Aggregate Limit:	$6,000,000
Policy Number: Effective	EPC 9040526-05
Date:	May 3, 2012

The Insurer hereby certifies that it has issued to the Insured a commercial liability policy of insurance identified above to provide coverage for bodily injury and property damage to compensate persons injured or property damaged as a result of Class B sewage sludge land application at the facilities identified above.

The Insurer further warrants that such policy conforms in all respects with the requirements of 30 Texas Administrative Code (TAC) §37.9100 (relating to Commercial Liability Insurance), as applicable and as such regulations were constituted on the date shown immediately below. It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

Whenever requested by the executive director of the Texas Commission on Environmental Quality, the Insurer agrees to furnish to the executive director a duplicate original of the policy listed above, including all endorsements thereon.

I hereby certify that the wording of this certificate is identical to the wording specified in 30 TAC §37.9145 (relating to Certificate of Insurance for Commercial Liability) as such regulations were constituted on the date shown immediately below. The undersigned Insurer certifies that it is authorized to transact or be a surplus lines insurer eligible to engage in the business of insurance in Texas and it has a minimum financial strength rating of A- as assigned by the A.M. Best Company.

B. Reynolds

Brandon Reynolds
Environmental Underwriter
Authorized Representative of
Steadfast Insurance Company
Administrative Office
1400 American Lane
Schaumburg, IL 60196-1056

Certificate Of Insurance
30 TAC §37.9155 Environmental Impairment

ZURICH®

Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer	Add'l Prem.	Return Prem.
EPC 9040526 05	5/3/2012	5/3/2013	5/3/2012	36208000	—	—

Named Insured and Mailing Address:

TERRA RENEWAL LLC
201 SOUTH DENVER
RUSSELLVILLE, AR 72811

Producer:

WELLS FARGO INSURANCE SERVICES USA
5151 BELT LINE ROAD, SUITE 200
DALLAS, TX 75254

CERTIFICATE OF INSURANCE FOR ENVIRONMENTAL IMPAIRMENT

Name and Address of Insurer (herein called the "Insurer"):
Steadfast Insurance Company
Administrative Office
1400 American Lane
Schaumburg, IL 60196-1056

Name and Physical and Mailing Addresses of Insured (herein called the "Insured"):
Terra Renewal Services, Inc.
TRS Enviroganics, Inc.
201 S. Denver Ave.
2nd Fl.
Russellville, AR 72811-3036

Additional Insured:
Texas Commission on Environmental Quality Physical Address: 12100 Park 35 Circle, MC 184, Austin, TX 78753 Mailing Address: MC 184, P. O. Box 13087, Austin, TX 78711-3087

Facilities covered: *(list for each facility: permit number, name, and physical and mailing addresses)*

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James Henderson permit WQ4460	94 Deg 30'	30 Deg 33'	Liberty	4 mi E of intersection of FM 1410 and FM 61, at the intersection of Deavers Road	P O Box 3036 Russellville, AR 72811	April 11,2007

				and FM 1410		
Mary Weber permit WQ4501	96 Deg 5'	30 Deg 6'	Waller	0.2 mi. W of intersection of FM 359 & Pierceall Rd.	P O Box 3036 Russellville, AR 72811	April 11,2007
Reavis Farms permit WQ4463	98 Deg 30'	26 Deg 25'	Hidalgo	1.25 mi. W of intersection of FM 2221 and Seven Mile Road	P O Box 3036 Russellville, AR 72811	April 11,2007
Santa Anita Ranch (Burning Tree) permit WQ4803	96 Deg 35'	32 Deg 12'	Kaufman	5 mi. E on State Hwy 243 to CR 101. Site is adjacent to NW side of CR101, approx .75miles from intersection of 243/101	P O Box 3036 Russellville, AR 72811	April 11,2007
Griffin Farm Permit 4513	94 Deg 46'	32 Deg 26'	Gregg	Farm to Market Road 2087, approx. 1.6 miles S of the intersection of Farm to Market Road 1845 and Farm to Market Road 2087.	P O Box 3036 Russellville, AR 72811	April 11,2007
Jose Martinez Permit WQ4817	98 Deg 32'	26 Deg 38'	Starr	On the noth side of La Morita Road, approx. 1/8 mile west of the intersection of La Morita Road and FM 755	P O Box 3036 Russellville, AR 72811	April 11,2007
Iron Farm Cattle Permit WQ0004830000	94 Deg 48'	32 Deg 23'	Gregg	E. side of Farm-to-Market Road 2276, extending from approx. 300' N. of the intersection of FM 2267 and FM 349, approx. 1.5 mi. E. of the City of Kilgore, Gregg County, TX	P.O. Box 3036 Russellville, AR 72811	August 7, 2008
Reavis Farm South Permit 04861	98 Deg 30'	26 Deg 25'	Hidalgo	Approx. 1.25 mi. W. of the intersection of Farm-to-Market 2221 and Seven Mile Road in Hidalgo County, TX	P.O. Box 3036 Russellville, AR 72811	August 7, 2008
Reavis McCook North Permit WQ004923000	98 Deg 28'	26 Deg 31'	Starr	Adjacent to unnamed road north of FM 490, located approx. 6 mi. east of McCook, TX and 2 mi. north of FM 490, in Starr County, TX.	P.O. Box 3036 Russellville, AR 72811	May 03, 2010
Reavis McCook South Permit WQ004924000	98 Deg 25'	26 Deg 28'	Hidalgo	Located at the NE. corner of the intersection of CR 3239 and Mile 16 Road, approx. 1.78 mi. south of the intersection of FM 490 and CR 3239, approx. 2.75 Mi. west of McCook TX.4. In Hidalgo County, TX	P.O. Box 3036 Russellville, AR 72811	May 03, 2010
Ayers/Wyatt Permit WQ004943000	94 Deg 44'	33 Deg 06'	Morris	Adjacent to west side of County Road 3201, approximately 1.9 miles west of intersection of County Road 3201 and County Road 3112, approximately 1.7 miles north of intersection of County Road 3112 and State	P O Box 3036 Russellville, AR 72811	July 30, 2010

				Hwy 49, approximately 2.5 miles west of Daingerfield, Texas.		
Freeman/ Conner Permit WQ0004947000	94 Deg 47'	33 Deg 07'	Morris	Adjacent to east side of County Road 1233, approximately 2.9 miles from the intersection of County Road 1233 and State Hwy 49, approximately 6.1 miles north of Daingerfield, Texas.	P O Box 3036 Russellville, AR 72811	August 30, 2010
Hooser Farm Permit WQ000495000	96 Deg 50'	32 Deg 06'	Ellis & Navarro	Center of property located at intersection of Hamrock Road and Joes Road, approximately 1.1 mile south of intersection of Hamrock Road and Hooser Road, approximately 1.5 mile west of intersection of Hooser Road and Farm-to-Market Road 667, approximately 4.5 miles south of Italy, Texas in Ellis and Navarro Counties.	P O Box 3036 Russellville, AR 72811	November 2, 2010
Center Ranch Permit WQ0004961000	31 Deg 17'7	95 Deg 52'56	Leon	3582 FM road 811	Centerville, TX 75833	Date of 1st Application
Sloan Farm Permit Application	96° 20' 09"W	32° 07' 49" N	Navarro	Located on Brookshire Road 1 mile north of the intersection of Highway 31 and Brookshire Road	Powell, TX	December 01, 2011

Per Occurrence Limit:	$3,000,000
Annual Aggregate Limit:	$6,000,000
Policy Number: Effective	EPC 9040526-05
Date:	May 3, 2012

The Insurer hereby certifies that it has issued to the Insured an Environmental Impairment policy of insurance identified above to provide financial assurance for corrective action related to the facilities identified above.

The Insurer further warrants that such policy conforms in all respects with the requirements of 30 Texas Administrative Code (TAC) §37.9105 (relating to Environmental Impairment Insurance), as applicable and as such regulations were constituted on the date shown immediately below. It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

Whenever requested by the executive director of the Texas Commission on Environmental Quality, the Insurer agrees to furnish to the executive director a duplicate original of the policy listed above, including all endorsements thereon.

I hereby certify that the wording of this certificate is identical to the wording specified in 30 TAC §37.9155 (relating to Certificate of Insurance for Environmental Impairment) as such regulations were constituted on the date shown immediately below. The undersigned Insurer certifies that it is authorized to transact or be a surplus lines insurer eligible to engage in the business of insurance in Texas and it has a minimum financial strength rating of A- as assigned by the A.M.

B. Reynolds

Brandon Reynolds
Environmental Underwriter
Authorized Representative of
Steadfast Insurance Company
Administrative Office
1400 American Lane
Schaumburg, IL 60196-1056

EASTEX ENVIRONMENTAL LABORATORY, INC.

P. O. Box 1089
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:	C1261085-01	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	1,000,000 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
(281) 568-7880

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

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

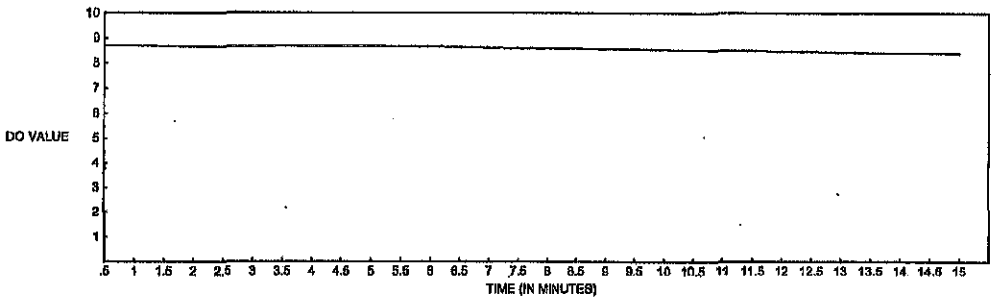
Faulkey Gully MUD - Eagle Water Management
15503 Hermitage Oaks
CLASS B

Report #238777
Site: EW 40

Report Generated 05/14/2012 12:51

Analysis performed on sludge sample received on 05/10/2012 13:18 collected by Josh . from the Digester at 05/10/2012 10:15

PARAMETER		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10778000	46,000	CFU/g TS	SM 9222 D	DB	05/10/2012 14:19
Fecal Coliform	Sample ID: 10778001	36,000	CFU/g TS	SM 9222 D	DB	05/10/2012 14:19
Fecal Coliform	Sample ID: 10778002	38,000	CFU/g TS	SM 9222 D	DB	05/10/2012 14:19
Fecal Coliform	Sample ID: 10778003	48,000	CFU/g TS	SM 9222 D	DB	05/10/2012 14:19
Fecal Coliform	Sample ID: 10778004	130,000	CFU/g TS	SM 9222 D	DB	05/10/2012 14:19
Fecal Coliform	Sample ID: 10778005	36,000	CFU/g TS	SM 9222 D	DB	05/10/2012 14:19
Fecal Coliform	Sample ID: 10778006	130,000	CFU/g TS	SM 9222 D	DB	05/10/2012 14:19
Fecal Coliform	Geometric Mean	5.6E+04	56,000	CFU/g TS		
Total Solids	Sample ID: 10777999	1.6	%	SM 2540 G	OD	05/10/2012 17:15
S.O.U.R. Test	Sample ID: 10777999	0.15	mg O2/hr/g TS	SM 2710 B	OD	05/08/2012 02:45



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

ENVIRODYNE LABORATORIES, INC.
11011 BROOKLET Dr. #230
HOUSTON, TEXAS 77099
(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

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HOUSTON, TEXAS 77099
(281) 568-7880

CERTIFICATE OF ANALYSIS

CLIENT:	HCMUD #70 (ST Environmental Services)	LAB NUMBER:	AD00242B
DATE COLLECTED:	23-Jan-12	DATE RECEIVED:	23-Jan-12
DATE COMPLETED:	17-Feb-12	SAMPLED BY:	MB

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

LOCATION:	DIGESTER @ 1140	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	44,700	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	0.19	1.5 mgO2/gram/Hr.
Sludge Characteristics		
Total Solids (%)	1.31	N/A
Volatile Solids (%)	0.88	N/A
Organic Conc. (%)	67.2	
Soil pH - Measured in Water (Units)	6.70	> 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

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

Harris County Mud 71
Regional Water Corporation
P.O. Box 690406
Houston, TX 77269

BIOSOLIDS PATHOGEN AND VECTOR ATTRACTION ANALYSIS

PROJECT ID: HC MUD 71 Digs
SITE: Digester
COLLECT DATE: 12/8/2011
COLLECT TIME: 11:55
SAMPLER: SRA
SAMPLE NO. C1158028-01

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;08:30
#n/grams dry sludge			T.S. CFU/g	T.S. MPN/g	(APHA,1992)	12/8/11
*Fecal Coliform result is a geometric mean of 7 individual samples						

VECTOR ATTRACTION:					
REDUCTION:					
Results mg/O_2/g Solids/hr	1.23	N	<1.5 mg/O_2/g Solids/hr	TAC312.83(b)(4) (APHA,1992)	KMV;17:55 12/8/11

BIOSOLIDS CHARACTERISTICS:					
Total Solids:	1.4	A		SM 2540 G (APHA,1992)	KMV;11:00 12/12/11
Volatile Solids:	67.8 %	N		SM 2540 G (APHA,1992)	KMV;12:00 12/12/11

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.

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P. O. Box 1089
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

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

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

CERTIFICATE OF ANALYSIS

CLIENT: H.C.M.U.D. #127		LAB NUMBER:	AC88423B
DATE COLLECTED:	30-Sep-11	DATE RECEIVED:	30-Sep-11
DATE COMPLETED:	10-Oct-11	SAMPLED BY:	MB

SAMPLE TYPE: Processes to Significantly Reduce Pathogens (PSRP)

LOCATION:	DIGESTER @ 1111	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	24,100	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	0.86	1.5 mgO2/gram/Hr.
Sludge Characteristics		
Total Solids (%)	1.24	N/A
Volatile Solids (%)	0.78	N/A
Organic Conc. (%)	62.9	
Soil pH - Measured in Water (Units)	6.80	> 5.50
Sample Temp. (C/F)	N/A	20/68 (+/- 10C)
Ambient Temp. (C/F)	N/A	N/A
Test Temp. - Start / Stop (C)	22/23	(+/- 1C) - Var.

CERTIFIED BY

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

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11011 BROOKLET Dr. #230
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/0_2/g Solids/hr		SM 2710 B	KLO;1526
mg/0_2/g Solids/hr					(APHA,1992)	5/22/12
BIOSOLIDS CHARACTERISTICS:						
Total Solids:	1.1 %	N			SM 2540 G (APHA,1992)	CEW;1630 5/23/12
Volatile Solids:	74.2 %	N			SM 2540 G (APHA,1992)	CRB;1130 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.

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6/27/2012 12:15

C:\Users\afreed\Documents\psrp 2012\0512.xls

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)	8,900	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

BUSBY ENVIRONMENTAL SERVICES, INC.
11011 BROOKLET Dr. #230
HOUSTON, TEXAS 77099
(281) 568-7880

CERTIFICATE OF ANALYSIS

CLIENT:	KINGWOOD CENTRAL PLANT (CITY OF HOUSTON)	LAB NUMBER:	AD29875B
DATE COLLECTED:	23-Jul-12	DATE RECEIVED:	23-Jul-12
DATE COMPLETED:	09-Aug-12	SAMPLED BY:	CA

SAMPLE TYPE: Processes to Significantly Reduce Pathogens (PSRP)

LOCATION:	CAKE @ 1454	LIMITS
PARAMETERS:		
Microbial Populations		
Fecal Coliform (Colonies/gram) (Geo Mean = 7)	7,200	2,000,000 CFU/g/TS
Vector Attraction Pontential		
Specific Oxygen Uptake Rate (mg Oxygen/gram solids/Hr.)	0.33	1.5 mgO2/gram/Hr.
Sludge Characteristics		
Total Solids (%)	14.52	N/A
Soil pH - Measured in Water (Units)	6.65	> 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

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

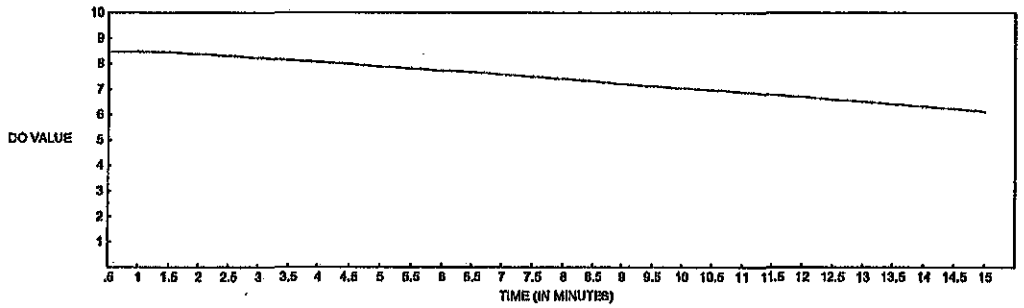
Lake Forest Plant Advisory Council - Environmental Development Partners
14500 Balcrest
CLASS B

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

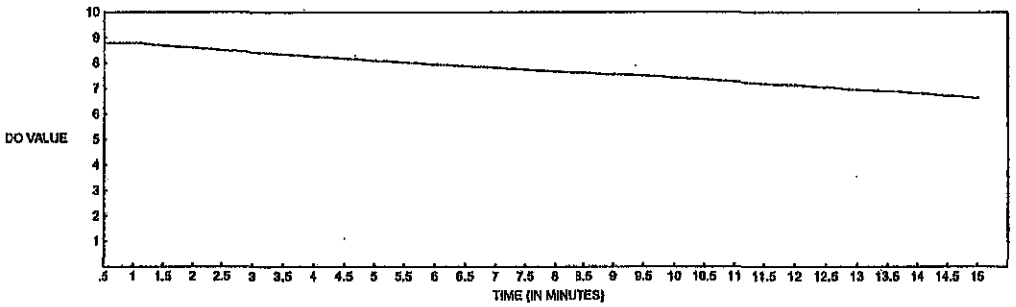
CLASS B

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.

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

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/0_2/g Solids/hr	0.50	N	<1.5 mg/0_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.

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.

7/25/2012 10:39

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RECEIVED
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BY:

104705

NWDLS North Water District Laboratory Services, Inc.
8725 Rayford Road, The Woodlands, TX 77385
(936) 321-6050 Fax (936) 321-6061 lab@nwdls.com

Test Report

Nottingham - Eco Resources

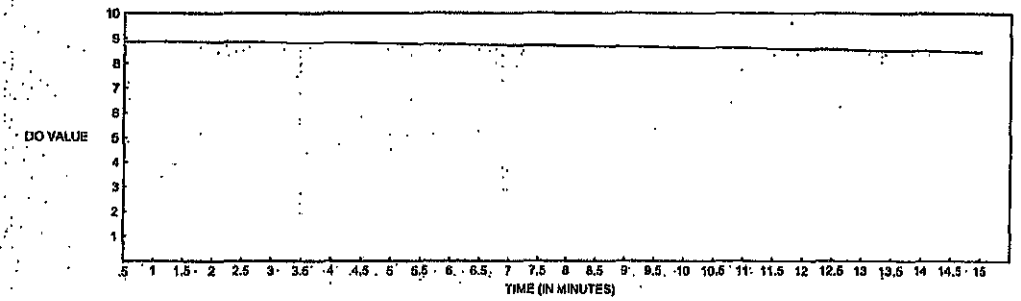
CLASS B

Report #23071 2 | 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.

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

ACCREDITED IN ACCORDANCE WITH

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	40000	A	2,000,000	1,000	SM 9222 D	RCS;1645
#n/grams dry sludge			T.S. CFU/g	T.S. MPN/g	(APHA,1992)	7/11/12
***Fecal Coliform result is a geometric mean of 7 individual samples**						

VECTOR ATTRACTION:					
REDUCTION:					
Results	1.26	N	<1.5 mg/0_2/g Solids/hr	SM 2710 B	RCS;1715
mg/0_2/g Solids/hr				(APHA,1992)	7/11/12

BIOSOLIDS CHARACTERISTICS:				
Total Solids:	1.2 %	N	SM 2540 G	CRB;1200
			(APHA,1992)	7/12/12
Volatile Solids:	70.8 %	N	SM 2540 G	CRB:1130
			(APHA,1992)	7/13/12

James Johnson
Technical Laboratory Director

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Most current versions applicable for methods listed are being used.

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8/27/2012 12:02

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(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

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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

EASTEX ENVIRONMENTAL LABORATORY, INC.

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

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

San Jacinto River Authority WWTP 3
WWTP #3
P.O. Box 7537
The Woodlands, TX 77387

BIOSOLIDS PATHOGEN AND VECTOR ATTRACTION ANALYSIS

PLANT: SJRA #3 Digester
DATE: 5/24/12
TIME: 7:45
SAMPLER: SLM
SAMPLE MATRIX: Digester
SAMPLE NO. C1224849-01

PARAMETER	RESULTS	STATUS *	40 CFR 503 CRITERION CLASS B	CLASS A	METHOD	DATE TECH/TIME
PATHOGENS: INDICATOR ORGANISM						
Fecal Coliform #n/grams dry sludge	<10000	A	2,000,000 T.S. CFU/g	1,000 T.S. MPN/g	SM 9222 D (APHA,1992)	RCS;14:00 5/24/12
***Fecal Coliform result is a geometric mean of 7 individual samples**						

VECTOR ATTRACTION: REDUCTION:					
Results mg/0_2/g Solids/hr	0.26	N	<1.5 mg/0_2/g Solids/hr	SM 2710 B (APHA,1992)	RCS;14:30 5/24/12

BIOSOLIDS CHARACTERISTICS:					
Total Solids:	1.6 %	N		SM 2540 G (APHA,1992)	CRB;1200 5/24/12
Volatile Solids:	76.5 %	N		SM 2540 G (APHA,1992)	CRB;09:00 5/25/12

James Johnson
Technical Laboratory Director

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

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6/27/2012 11:21

C:\Users\afreed\Documents\psrp 2012\0512.xls

Accutest Laboratories

Steeple chase

Report of Analysis

Client Sample ID:	DIGESTER - LANDAPP		
Lab Sample ID:	T94122-1	**Date Sampled:**	12/05/11
Matrix:	SO - Sludge	**Date Received:**	12/05/11
		Percent Solids:	2.0
Project:	Harris County MUD 170-LandApp		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Results Expressed as Percent							
Nitrogen, Ammonia	0.278	0.011	%	1	12/19/11	RV	EPA 350.1 M
Nitrogen, Nitrate	1.21	0.053	%	1	12/06/11 19:55	CV	EPA 353.2 M
Nitrogen, Total Kjeldahl	4.46	1.2	%	1	12/13/11	RV	EPA 351.2
Phosphorus, Total	0.423	0.050	%	1	12/14/11 13:30	SS	EPA 365.3 M
Potassium	0.314	0.065	%	1	12/09/11 22:27	EG	SW846 6010B
Geomean Fecal Coliform	34700	1.0	cfu/g	1	12/05/11 11:45	MS	SM21 9222D M
Nitrogen, Ammonia	2780	110	mg/kg	2	12/19/11	RV	EPA 350.1 M
Nitrogen, Nitrate [a]	12400	530	mg/kg	1	12/06/11 19:55	CV	EPA 353.2 M
Nitrogen, Nitrate + Nitrite	12700	500	mg/kg	20	12/06/11 19:55	CV	EPA 353.2 M
Nitrogen, Nitrite	317	25	mg/kg	10	12/06/11 17:56	CV	EPA 353.2 M
Nitrogen, Total Kjeldahl	44600	12000	mg/kg	10	12/13/11	RV	EPA 351.2 M
Phosphorus, Total	4230	500	mg/kg	5	12/14/11 13:30	SS	EPA 365.3 M
Solids, Percent	2		%	1	12/05/11	EB	SM 2540 G
Specific Oxygen Uptake Rate	0.60	0.10	(mg/g)/hr	1	12/05/11	MM	SM21 2710B
pH	5.87		su	1	12/06/11 10:40	SS	SW846 9045C

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

107138

NWDLS North Water District Laboratory Services, Inc.
9725 Hawn Trail, The Woodlands, TX 77385
(936) 321-5060 fax (936) 321-5061 lab@nwdls.com

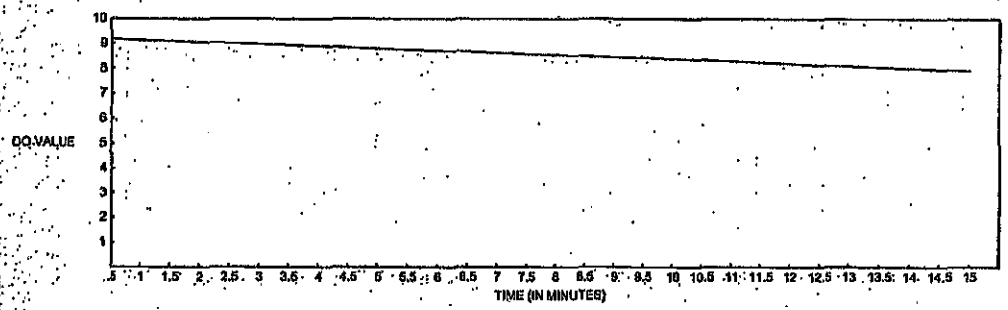
Test Report

Timberlane Central - Hays Utility Corporation
23118 72 Grand Rapids Ln
CLASS B

Report #390311 | Report Generated: 05/21/2012 09:07
Site: HAYS101 |

Analysis performed on sludge sample received on 05/16/2012 16:16 collected by Jason Kaasting 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

16746

NWDLS North Water District Laboratory Services, LLC
8722 Kuykendahl Rd, The Woodlands, TX 77383
(936) 321-6060 fax (936) 321-5061 lab@nwdls.com

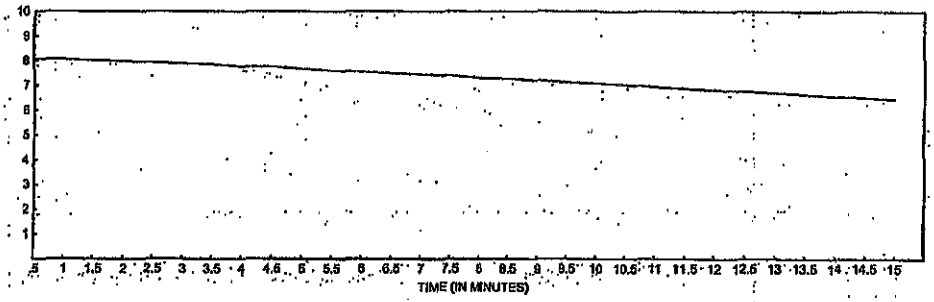
Test Report

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

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

PARAMETER		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

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

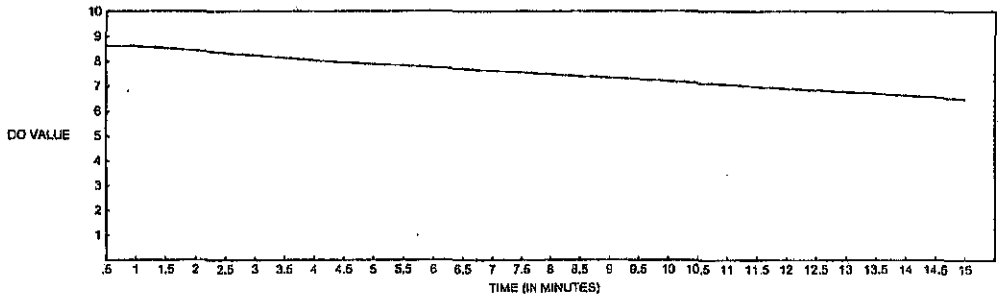
City of Tomball - South Plant - City of Tomball
12411 Holderrieth Rd Tomball, TX 77375
CLASS B

Report #239324
Site: TOMB 55

Report Generated 05/25/2012 07:32

Analysis performed on sludge sample received on 05/22/2012 15:10 collected by Josh . from the Digester at 05/22/2012 10:30

PARAMETER		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10781896	20,000	CFU/g TS	SM 9222 D	DB	05/22/2012 16:03
Fecal Coliform	Sample ID: 10781897	18,000	CFU/g TS	SM 9222 D	DB	05/22/2012 16:03
Fecal Coliform	Sample ID: 10781898	19,000	CFU/g TS	SM 9222 D	DB	05/22/2012 16:03
Fecal Coliform	Sample ID: 10781899	18,000	CFU/g TS	SM 9222 D	DB	05/22/2012 16:03
Fecal Coliform	Sample ID: 10781900	20,000	CFU/g TS	SM 9222 D	DB	05/22/2012 16:03
Fecal Coliform	Sample ID: 10781901	18,000	CFU/g TS	SM 9222 D	DB	05/22/2012 16:03
Fecal Coliform	Sample ID: 10781902	20,000	CFU/g TS	SM 9222 D	DB	05/22/2012 16:03
Fecal Coliform	Geometric Mean	1.9E+04	19,000	CFU/g TS		
Total Solids	Sample ID: 10781893	2.6	%	SM 2540 G	OD	05/22/2012 17:20
S.O.U.R. Test	Sample ID: 10781893	0.66	mg O2/hr/g TS	SM 2710 B	OD	05/22/2012 04:16



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, Texas 77385
(936)321-6060 • fax (936)321-6061 • email: lab@nwdls.com

SAMPLE LOCATION: City of Tomball - North WWTP #1
SAMPLE DATE: 05/22/12
SAMPLE TIME: 11:45
SAMPLED BY: JS

DATE RECEIVED: 05/22/12
SAMPLE MATRIX: Sludge
SAMPLE ID: 1078-1910
LAB FILE ID: 62012003

Sludge Analysis

PARAMETER	RESULT %	MAL %	Method	Analysts Initials	Date of Analysis	Blank %	Duplicates Act/Theo	Spike Act/Theo
Total Solids	2.1	0.1	SM 2540 G	OD	05/25/12	< 0.1	0.20/0.15	~
TKN	4.98	0.01	SM 4500N C	OD	06/06/12	< 0.01	4.10/4.11	2.79/2.90
Ammonia-N	0.40	0.12	SM 4500NH3 C	OD	06/05/12	< 0.01	0.35/0.37	0.48/0.52
Nitrate-N	0.12	0.01	SM 418 E	OD	06/05/12	< 0.01	0.14/0.14	0.24/0.26
Phosphorus	1.17	0.01	EPA 6010C	MO	05/30/12	< 0.01	1.11/1.09	1.10/1.31
Potassium	0.36	0.01	EPA 6010C	MO	05/30/12	< 0.01	0.34/0.34	0.68/0.66

POLLUTANT	RESULT mg/kg	MAL* mg/kg	Method	Analysts Initials	Date of Analysis	Blank mg/kg	Duplicates Act/Theo	Spike Act/Theo
Arsenic	2.2	1.0	EPA 6010C	MO	05/29/12	< 1.0	2.6/2.6	49.0/50.0
Cadmium	0.9	0.5	EPA 6010C	MO	05/29/12	< 0.5	0.7/0.7	6.6/6.6
Chromium	14.8	1.0	EPA 6010C	MO	05/30/12	< 1.0	13.8/14.1	33.6/32.8
Copper	404	1.0	EPA 6010C	MO	05/30/12	< 1.0	222/223	632/721
Mercury	0.71	0.02	EPA 7471B	EAR	06/05/12	< 0.02	0.16/0.14	1.92/1.81
Molybdenum	9.0	1.0	EPA 6010C	MO	05/31/12	< 1.0	5.3/5.3	33.1/32.8
Nickel	12.3	1.0	EPA 6010C	MO	05/30/12	< 1.0	10.0/10.2	31.7/32.8
Lead	16.2	1.0	EPA 6010C	MO	05/30/12	< 1.0	10.7/11.1	30.5/32.8
Selenium	3.0	1.0	EPA 6010C	MO	05/30/12	< 1.0	2.8/3.2	64.2/65.5
Zinc	756**	2.0	EPA 6010C	MO	05/30/12	< 2.0	711/708	1262/1344

* MAL = Minimum Analytical Level
**MB>CL but <1/10 of sample concentration.
All results are calculated on a dry weight basis.

EASTEX ENVIRONMENTAL LABORATORY, INC.

P. O. Box 1089
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

Timberlake MUD
Regional Water Corporation
P.O. Box 690406
Houston, TX 77269

BIOSOLIDS PATHOGEN AND VECTOR ATTRACTION ANALYSIS

PROJECT ID: Timberlake Digester
SITE: Digester
COLLECT DATE: 12/13/2011
COLLECT TIME: 9:20
SAMPLER: SRA
SAMPLE NO. C1158780-01

PARAMETER	RESULTS	STATUS *	40 CFR 503 CRITERION CLASS B	CLASS A	METHOD	DATE TECH/TIME
PATHOGENS:						
INDICATOR ORGANISM						
Fecal Coliform #n/grams dry sludge	<10000	A	2,000,000 T.S. CFU/g	1,000 T.S. MPN/g	SM 9222 D (APHA,1992)	KMV;17:00 12/13/11
***Fecal Coliform result is a geometric mean of 7 individual samples**						
VECTOR ATTRACTION:						
REDUCTION:						
Results mg/O_2/g Solids/hr	0.68	N	<1.5 mg/O_2/g Solids/hr		TAC312.83(b)(4) (APHA,1992)	KMV;17:15 12/13/11
BIOSOLIDS CHARACTERISTICS:						
Total Solids:	2.00**	A			SM 2540 G (APHA,1992)	KMV;13:45 12/14/11
Volatile Solids:	66.1 %	N			SM 2540 G (APHA,1992)	KMV;10:00 12/15/11

James Johnson
Laboratory Director

*NELAC Status: A = Accredited; N = Accreditation not offered; O = Not Accredited; P = Approved
**Sample was diluted to less than 2% prior to Sour analyses
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.

106111

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

Test Report

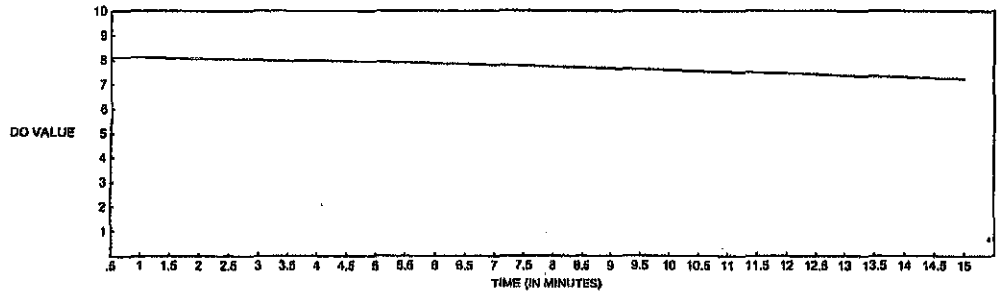
WHC MUD 11 - Advantage Water
8665 W Sam Houston Pkwy N
CLASS B

Report #235526
Site: ADV 18

Report Generated 03/21/2012 10:44

Analysis performed on sludge sample received on 03/19/2012 09:30 collected by Kenneth Elliot from the Digester at 03/19/2012 07:15

PARAMETER		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10753286	35,000	CFU/g TS	SM 9222 D	OD	03/19/2012 11:39
Fecal Coliform	Sample ID: 10753287	32,000	CFU/g TS	SM 9222 D	OD	03/19/2012 11:39
Fecal Coliform	Sample ID: 10753288	37,000	CFU/g TS	SM 9222 D	OD	03/19/2012 11:39
Fecal Coliform	Sample ID: 10753289	33,000	CFU/g TS	SM 9222 D	OD	03/19/2012 11:39
Fecal Coliform	Sample ID: 10753290	40,000	CFU/g TS	SM 9222 D	OD	03/19/2012 11:39
Fecal Coliform	Sample ID: 10753291	35,000	CFU/g TS	SM 9222 D	OD	03/19/2012 11:39
Fecal Coliform	Sample ID: 10753292	41,000	CFU/g TS	SM 9222 D	OD	03/19/2012 11:39
Fecal Coliform	Geometric Mean	3.6E+04	36,000	CFU/g TS		
Total Solids	Sample ID: 10753284	0.9	%	SM 2540 G	OD	03/19/2012 14:30
S.O.U.R. Test	Sample ID: 10753284	0.68	mg O2/hr/g TS	SM 2710 B	OD	03/19/2012 01:41



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

CLASS B - PASS

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Derek McCoy
Technical Director

100589

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Test Report

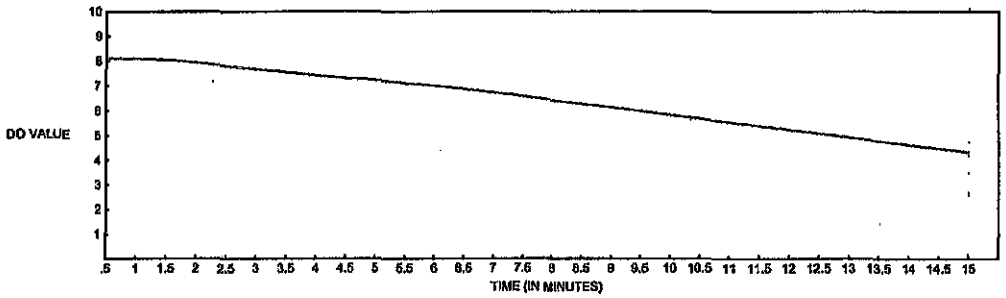
Winchester Regional - Advantage Water
9606 Rio Grande Dr.
CLASS B

Report #233964 | Report Generated .02/29/2012 13:52

Site: ADV 1

Analysis performed on sludge sample received on 02/27/2012 11:13 collected by Lewis H from the Digester at 02/27/2012 08:00

PARAMETER		RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform	Sample ID: 10748449	6,600	CFU/g TS	SM 9222 D	OD	02/27/2012 13:05
Fecal Coliform	Sample ID: 10748450	7,800	CFU/g TS	SM 9222 D	OD	02/27/2012 13:05
Fecal Coliform	Sample ID: 10748451	7,100	CFU/g TS	SM 9222 D	OD	02/27/2012 13:05
Fecal Coliform	Sample ID: 10748452	7,300	CFU/g TS	SM 9222 D	OD	02/27/2012 13:05
Fecal Coliform	Sample ID: 10748453	8,100	CFU/g TS	SM 9222 D	OD	02/27/2012 13:05
Fecal Coliform	Sample ID: 10748454	8,300	CFU/g TS	SM 9222 D	OD	02/27/2012 13:05
Fecal Coliform	Sample ID: 10748455	6,300	CFU/g TS	SM 9222 D	OD	02/27/2012 13:05
Fecal Coliform	Geometric Mean	7.3E+03	7,300	CFU/g TS		
Total Solids	Sample ID: 10748447	4.0	%	SM 2540 G	OD	02/27/2012 17:00
S.O.U.R. Test	Sample ID: 10748447	1.04	mg O2/hr/g TS	SM 2710 B	OD	02/26/2012 01:50



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CLASS B - PASS

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Derek McCoy
Technical Director