



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 4th Reporting Period from 2013 To 2014
 PERMIT NO.: 04861 DATE: September 12, 2014
 NAME OF PERMITEE: TRS Envirogenics
 MAILING ADDRESS: PO Box 3036
Russellville, AR 72811
 CONTACT NAME: Gabe Timby TELEPHONE NO.: 479-518-1554

Field Number (if any): 2 (Submit separate form for each field, if site has two or more fields)

1. Class B Sewage Sludge -Land Applied: 320.68 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: 0.00 dry tons/quarter
4. Class A Sludge- Land Applied: 0.00 dry tons/quarter
 - a. Acreage used for Sludge Application/disposal at this site: 214 acres
 - b. Site Vegetation (such as grass type etc) and # of cuttings: Bermuda/Bufelgrass-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: 26 Deg 25 Min Longitude: 98 Deg 30 Min
 - e. Site physical address: 0.2 miles west of the intersection of FM 359 & Pierceall Road

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.
 Note 3: If you operate other registered/permited sludge land application sites, a form should be submitted for each site.
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For TCEQ Quarter 4th Reporting Period from 2013 To 2014
 PERMIT NO.: 04861 DATE: September 12, 2014
 NAME OF PERMITEE: TRS Envirogenics
 MAILING ADDRESS: PO Box 3036
Russellville, AR 72811
 CONTACT NAME: Gabe Timby TELEPHONE NO.: 479-518-1554

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

1. Class B Sewage Sludge -Land Applied:	<u>1168.2</u>	dry tons/quarter
2. Treated Domestic Septage- Land Applied:	<u>0.00</u>	gallons/quarter
Method used to treat Domestic Septage	<u>N/A</u>	
3. Water Treatment Plant Sludge- Land Applied:	<u>409.6</u>	dry tons/quarter
4. Class A Sludge- Land Applied:	<u>0.00</u>	dry tons/quarter
a. Acreage used for Sludge Application/disposal at this site:	<u>247</u>	acres
b. Site Vegetation (such as grass type etc) and # of cuttings:	<u>Bermuda/Bufelgrass-hay cutting & heavy grazing</u>	
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 <u>X</u>
d. Site Location Latitude:	<u>26 Deg 25 Min</u>	Longitude: <u>98 Deg 30 Min</u>
e. Site physical address:	<u>0.2 miles west of the intersection of FM 359 & Pierceall Road</u>	

Sewage Sludge Only – Please attach information regarding the following items:

* Please note the following information should be provided in computer-generated report format
 * Please place check mark before each item below to indicate that the item is attached to this report

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

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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 ATTRACTION 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:

Mike Weisz

Title:

Ops Manager

Site # 4861

Field 2

Suggested Agronomic rate 8.94

Metal	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
Cumulative Metals	0.1507	0.0340	0.6939	13.4389	0.5690	0.0175	0.6452	0.6335	0.2082	25.5443

Site # 4861

Field 3

Suggested Agronomic rate 7.03

Metal	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
Cumulative Metals	0.3197	0.0456	1.3794	22.0815	0.8338	0.0243	0.9280	1.1696	0.2577	36.1369

Sludge Application Information
 4th Quarter
 JUN-JUL-AUG 2013-2014

Reavis South
 4861

Date	WWTP Name	Field	Dry Tons	Path A	Path B	Vector	Limit 1	Limit 3
6/2/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/2/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/2/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/2/14	HIDALGO WWTP	2	2.12	N	Y	Y	N	N
6/2/14	MERCEDES WWTP	2	3.15	N	Y	Y	N	N
6/2/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/2/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/2/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/2/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/2/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/2/14	SAN BENITO	2	2.95	N	Y	Y	N	N
6/3/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/3/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/3/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/3/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/3/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/3/14	LA FERIA WWTP	2	3.57	N	Y	Y	N	N
6/3/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/3/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/3/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/3/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/3/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/3/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/3/14	SAN JUAN WWTP	2	2.09	N	Y	Y	N	N
6/4/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/4/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/4/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/4/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/4/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/4/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/4/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/4/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/4/14	MERCEDES WWTP	2	3.15	N	Y	Y	N	N
6/4/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/4/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/4/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/4/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/5/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/5/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/5/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/5/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/5/14	MERCEDES WWTP	2	3.15	N	Y	Y	N	N
6/5/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/5/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/5/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/5/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/5/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/6/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/6/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/6/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/6/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/6/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/6/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/6/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/6/14	PHARR WWTP	2	2.58	N	Y	Y	N	N

Sludge Application Information
 4th Quarter
 JUN-JUL-AUG 2013-2014

Reavis South
 4861

Date	WWTP Name	Field	Dry Tons	Path A	Path B	Vector	Limit 1	Limit 3
6/6/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/6/14	SAN BENITO	2	2.95	N	Y	Y	N	N
6/6/14	SAN JUAN WWTP	2	2.09	N	Y	Y	N	N
6/9/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/9/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/9/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/9/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/9/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/9/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/9/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/9/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/10/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/10/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/10/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/10/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/10/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/10/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/10/14	Hidalgo WWTP	2	2.12	N	Y	Y	N	N
6/10/14	LA FERIA WWTP	2	3.57	N	Y	Y	N	N
6/10/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/10/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/10/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/11/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/11/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/11/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/11/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/11/14	MERCEDES WWTP	2	3.15	N	Y	Y	N	N
6/11/14	MERCEDES WWTP	2	3.15	N	Y	Y	N	N
6/11/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/11/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/11/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/11/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/11/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/11/14	SAN BENITO	2	2.95	N	Y	Y	N	N
6/12/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/12/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/12/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/12/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/12/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/12/14	MERCEDES WWTP	2	3.15	N	Y	Y	N	N
6/12/14	MERCEDES WWTP	2	3.15	N	Y	Y	N	N
6/12/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/12/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
6/12/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/12/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/12/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/12/14	SAN BENITO	2	2.95	N	Y	Y	N	N
6/13/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/13/14	MC ALLEN NO. 2 WWTP	2	2.88	N	Y	Y	N	N
6/13/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/13/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/13/14	MC ALLEN NO. 3 WWTP	2	3.71	N	Y	Y	N	N
6/13/14	MISSION WWTP	2	2.56	N	Y	Y	N	N
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6/13/14	MISSION WWTP	2	2.56	N	Y	Y	N	N

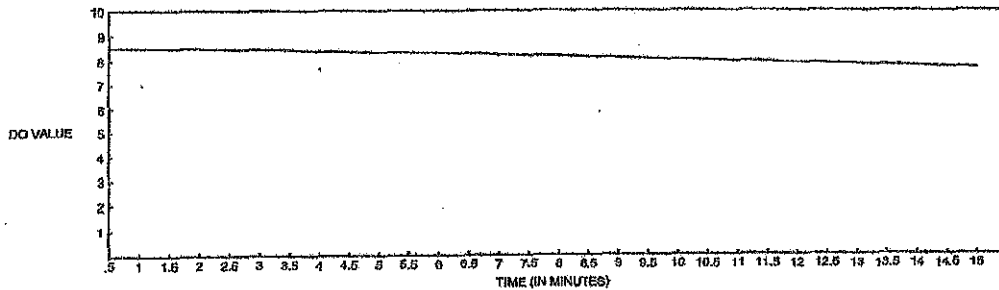
Sludge Application Information
4th Quarter
JUN-JUL-AUG 2013-2014

Reavis South
4861

Date	WWTP Name	Field	Dry Tons	Path A	Path B	Vector	Limit 1	Limit 3
6/13/14	PHARR WWTP	2	2.58	N	Y	Y	N	N
6/13/14	SAN BENITO	2	2.95	N	Y	Y	N	N

Analysis performed on sludge sample received on 03/18/2014 12:27 collected by Bernard Malota from the Cake at 03/17/2014 17:20

PARAMETER	RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform Sample ID: 11061988	460,000	CFU/g TS	SM 9222 D	SG	03/18/2014 21:10
Fecal Coliform Sample ID: 11061990	410,000	CFU/g TS	SM 9222 D	SG	03/18/2014 21:10
Fecal Coliform Sample ID: 11061991	540,000	CFU/g TS	SM 9222 D	SG	03/18/2014 21:10
Fecal Coliform Sample ID: 11061992	500,000	CFU/g TS	SM 9222 D	SG	03/18/2014 21:10
Fecal Coliform Sample ID: 11061993	600,000	CFU/g TS	SM 9222 D	SG	03/18/2014 21:10
Fecal Coliform Sample ID: 11061994	560,000	CFU/g TS	SM 9222 D	SG	03/18/2014 21:10
Fecal Coliform Sample ID: 11061995	330,000	CFU/g TS	SM 9222 D	SG	03/18/2014 21:10
Fecal Coliform Geometric Mean	4.8E+05	480,000	CFU/g TS		
Total Solids Sample ID: 11061987	17.5	%	SM 2540 G	LRS	03/21/2014 15:27
S.O.U.R. Test Sample ID: 11061987	0.67	mg O2/hr/g TS	SM 2710 B	CL	03/17/2014 04:05



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

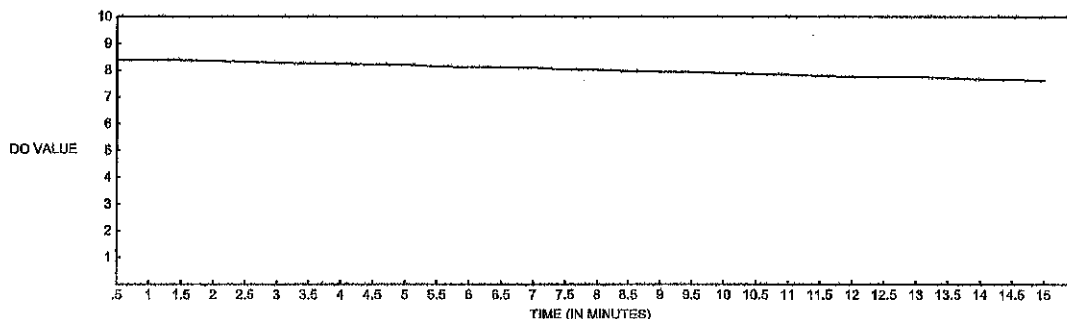
CLASS B - PASS

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.

W. Kamti
 Wendy Kamti - Project Manager

Analysis performed on sludge sample received on 07/17/2014 15:19 collected by Gabe Timby from the cake at 07/16/2014 14:40

PARAMETER	RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform Sample ID: 11114683	820,000	CFU/g TS	SM 9222 D	SG	07/17/2014 18:27
Fecal Coliform Sample ID: 11114685	600,000	CFU/g TS	SM 9222 D	SG	07/17/2014 18:27
Fecal Coliform Sample ID: 11114686	700,000	CFU/g TS	SM 9222 D	SG	07/17/2014 18:27
Fecal Coliform Sample ID: 11114687	680,000	CFU/g TS	SM 9222 D	SG	07/17/2014 18:27
Fecal Coliform Sample ID: 11114688	680,000	CFU/g TS	SM 9222 D	SG	07/17/2014 18:27
Fecal Coliform Sample ID: 11114689	730,000	CFU/g TS	SM 9222 D	SG	07/17/2014 18:27
Fecal Coliform Sample ID: 11114690	720,000	CFU/g TS	SM 9222 D	SG	07/17/2014 18:27
Fecal Coliform Geometric Mean	7.0E+05	700,000	CFU/g TS		
Total Solids Sample ID: 11114682	20.6	%	SM 2540 G	LRS	07/18/2014 14:25
S.O.U.R. Test Sample ID: 11114682	0.60	mg O2/hr/g TS	SM 2710 B	LRS	07/17/2014 05:49



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

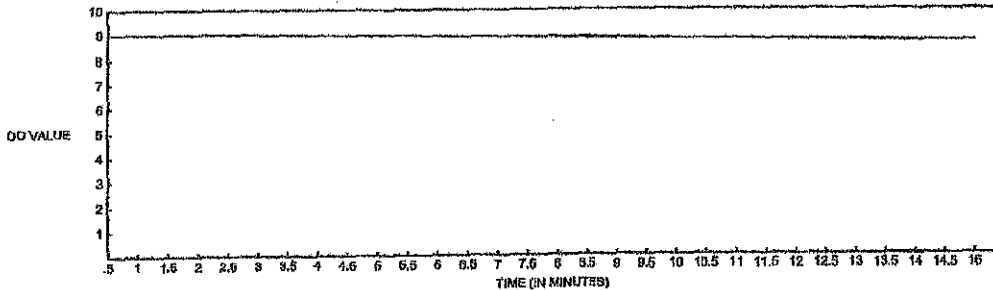
CLASS B - PASS

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.

W. Hamlin
 Wendy Hamlin - Project Manager

Analysis performed on sludge sample received on 03/18/2014 12:25 collected by B Malota from the Cake at 03/17/2014 18:10

PARAMETER	RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform Sample ID: 11062048	1,800	CFU/g TS	SM 9222 D	SG	03/18/2014 22:20
Fecal Coliform Sample ID: 11062048	6,300	CFU/g TS	SM 9222 D	SG	03/18/2014 22:20
Fecal Coliform Sample ID: 11062049	3,600	CFU/g TS	SM 9222 D	SG	03/18/2014 22:20
Fecal Coliform Sample ID: 11062050	1,800	CFU/g TS	SM 9222 D	SG	03/18/2014 22:20
Fecal Coliform Sample ID: 11062051	4,500	CFU/g TS	SM 9222 D	SG	03/18/2014 22:20
Fecal Coliform Sample ID: 11062052	900	CFU/g TS	SM 9222 D	SG	03/18/2014 22:20
Fecal Coliform Sample ID: 11062053	900	CFU/g TS	SM 9222 D	SG	03/18/2014 22:20
Fecal Coliform Geometric Mean	2.2E+03	2,200	CFU/g TS		
Total Solids Sample ID: 11062045	11.4	%	SM 2540 G	LRS	03/21/2014 15:27
S.O.U.R. Test Sample ID: 11062045	0.41	mg O2/hr/g TS	SM 2710 B	CL	03/17/2014 05:29



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

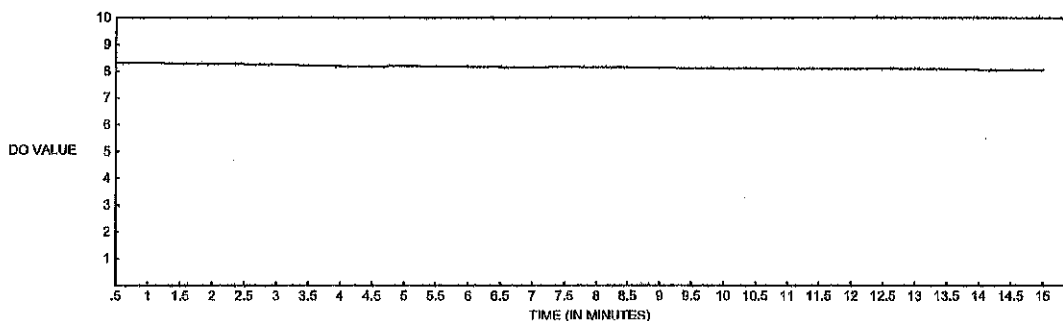
CLASS B - PASS

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.

W. Lambert
 Wendy Lambert - Project Manager

Analysis performed on sludge sample received on 07/17/2014 15:25 collected by Gabe Timby from the Cake at 07/16/2014 14:50

PARAMETER	RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform Sample ID: 11114708	490,000	CFU/g TS	SM 9222 D	SG	07/17/2014 21:43
Fecal Coliform Sample ID: 11114710	480,000	CFU/g TS	SM 9222 D	SG	07/17/2014 21:43
Fecal Coliform Sample ID: 11114711	330,000	CFU/g TS	SM 9222 D	SG	07/17/2014 21:43
Fecal Coliform Sample ID: 11114712	340,000	CFU/g TS	SM 9222 D	SG	07/17/2014 21:43
Fecal Coliform Sample ID: 11114713	380,000	CFU/g TS	SM 9222 D	SG	07/17/2014 21:43
Fecal Coliform Sample ID: 11114714	490,000	CFU/g TS	SM 9222 D	SG	07/17/2014 21:43
Fecal Coliform Sample ID: 11114715	460,000	CFU/g TS	SM 9222 D	SG	07/17/2014 21:43
Fecal Coliform Geometric Mean	4.2E+05	420,000	CFU/g TS		
Total Solids Sample ID: 11114707	13.7	%	SM 2540 G	LRS	07/18/2014 14:25
S.O.U.R. Test Sample ID: 11114707	0.22	mg O2/hr/g TS	SM 2710 B	LRS	07/17/2014 06:55



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

CLASS B - PASS

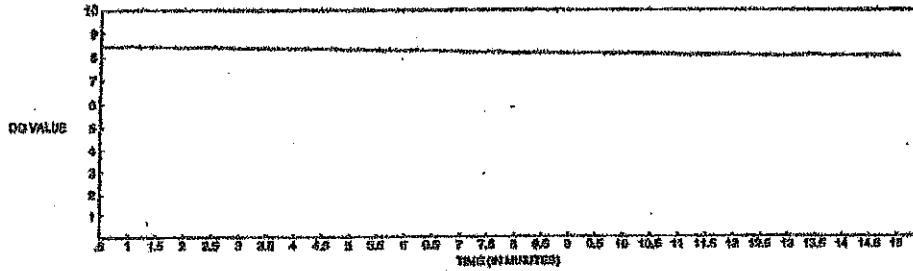
Per Title 30, Texas Administrative Code, Chapter 312, for a Class B to pass, the fecal coliform geometric mean must be less than or equal to 2,000,000 CFU/g TS and the S.O.U.R. must be less than or equal to 1.5 mg O2/hr/g TS.

W. Rambin
 Wendy Rambin - Project Manager

NWDL

Analysis performed on sludge sample received on 08/02/2013 10:49 collected by B Malota from the Caka at 08/01/2013 15:00

Fecal Coliform	Sample ID: 10964796	2,700	CFU/g TS	SM 9222 D	DB	08/02/2013 11:58
Fecal Coliform	Sample ID: 10964798	6,400	CFU/g TS	SM 9222 D	DB	08/02/2013 11:58
Fecal Coliform	Sample ID: 10964799	4,800	CFU/g TS	SM 9222 D	DB	08/02/2013 11:58
Fecal Coliform	Sample ID: 10964800	4,800	CFU/g TS	SM 9222 D	DB	08/02/2013 11:58
Fecal Coliform	Sample ID: 10964801	6,100	CFU/g TS	SM 9222 D	DB	08/02/2013 11:58
Fecal Coliform	Sample ID: 10964802	8,300	CFU/g TS	SM 9222 D	DB	08/02/2013 11:58
Fecal Coliform	Sample ID: 10964803	900	CFU/g TS	SM 9222 D	DB	08/02/2013 11:58
Fecal Coliform	Geometric Mean	3.9E+03	3,900	CFU/g TS		
Total Solids	Sample ID: 10964796	14.6	%	SM 2540 G	C	08/02/2013 15:53
S.O.U.R. Test	Sample ID: 10964796	0.42	mg O2/hr/g TS	SM 2710 B	OD	08/01/2013 01:28



The total solids is diluted to $\leq 2.0\%$ for the S.O.U.R. test when necessary.

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

 Derek McCoy
 Technical Director

RECEIVED
 8/12/13

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
Penitas WWTP - Terra Renewal

Report #287209 Report Generated
05/23/2014 10:18

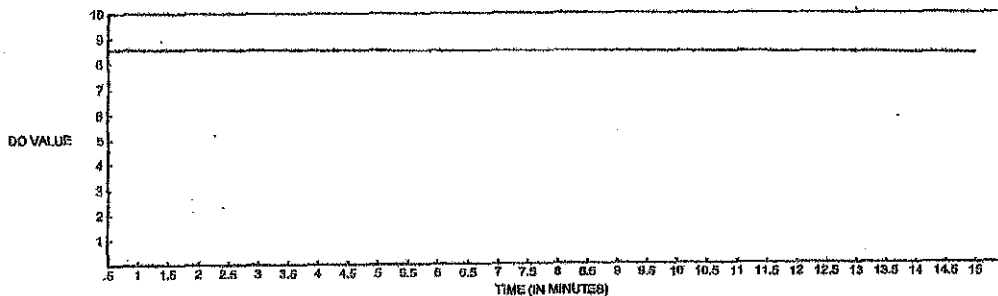
CLASS B

Site: ENV 2522

Page 1 of 1

Analysis performed on sludge sample received on 05/07/2014 15:55 collected by Bernard Malota from the Biosolids at 05/06/2014 17:45

PARAMETER	RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform Sample ID: 11084568	900	CFU/g TS	SM 9222 D	SG	05/07/2014 17:45
Fecal Coliform Sample ID: 11084570	900	CFU/g TS	SM 9222 D	SG	05/07/2014 17:45
Fecal Coliform Sample ID: 11084571	900	CFU/g TS	SM 9222 D	SG	05/07/2014 17:45
Fecal Coliform Sample ID: 11084572	900	CFU/g TS	SM 9222 D	SG	05/07/2014 17:45
Fecal Coliform Sample ID: 11084573	900	CFU/g TS	SM 9222 D	SG	05/07/2014 17:45
Fecal Coliform Sample ID: 11084574	900	CFU/g TS	SM 9222 D	SG	05/07/2014 17:45
Fecal Coliform Sample ID: 11084575	900	CFU/g TS	SM 9222 D	SG	05/07/2014 17:45
Fecal Coliform Geometric Mean	9.0E+02	900	CFU/g TS		
Total Solids Sample ID: 11084567	90.9	%	SM 2540 G	K	05/12/2014 15:05
S.O.U.R. Test Sample ID: 11084567	0.14	mg O2/hr/g TS	SM 2710 B	SG	05/07/2014 11:18



The total solids is diluted to $\leq 2.0\%$ 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.

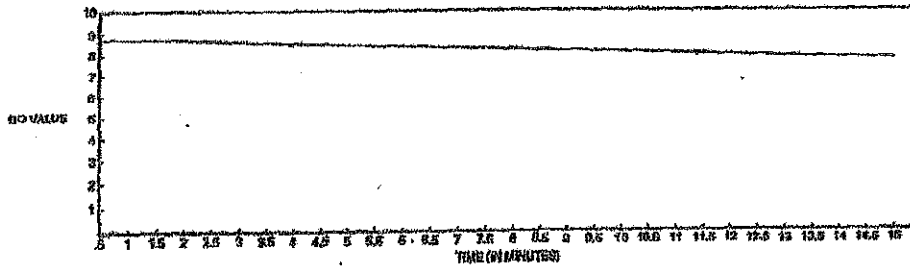
W. Lambert
Wendy Lambert - Project Manager

NWDES

Test Report

Analysis performed on sludge sample received on 11/01/2013 13:32 collected by Bernard Malota from the Cake at 10/31/2013 17:20

Fecal Coliform	Sample ID: 11004571	1,100	CFU/g TS	SM 9222 D	H	11/01/2013 17:21
Fecal Coliform	Sample ID: 11004572	810	CFU/g TS	SM 9222 D	H	11/01/2013 17:21
Fecal Coliform	Sample ID: 11004573	900	CFU/g TS	SM 9222 D	H	11/01/2013 17:21
Fecal Coliform	Sample ID: 11004574	890	CFU/g TS	SM 9222 D	H	11/01/2013 17:21
Fecal Coliform	Sample ID: 11004575	1,200	CFU/g TS	SM 9222 D	H	11/01/2013 17:21
Fecal Coliform	Sample ID: 11004576	1,400	CFU/g TS	SM 9222 D	H	11/01/2013 17:21
Fecal Coliform	Sample ID: 11004577	810	CFU/g TS	SM 9222 D	H	11/01/2013 17:21
Fecal Coliform	Geometric Mean	1.0E+03	1,000	CFU/g TS		
Total Solids	Sample ID: 11004559	15.2	%	SM 2540 G	C	11/05/2013 12:38
S.O.U.R. Test	Sample ID: 11004559	1.42	mg O2/hr/g TS	SM 2710 B	C	11/01/2013 03:31



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

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.

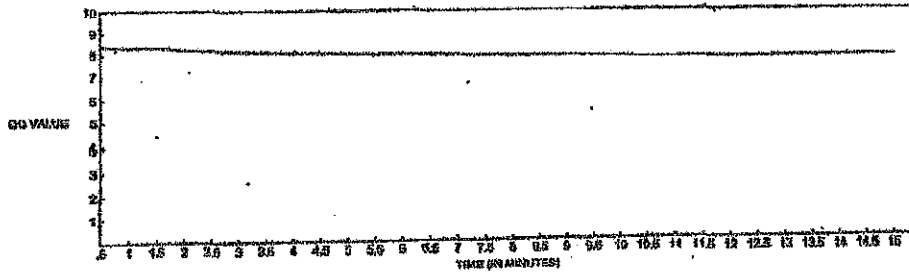
Derek McCoy
Technical Director

NWDLS

TEST REPORT

Analysis performed on sludge sample received on 08/30/2013 11:24 collected by B Malafa from the cake at 08/29/2013 17:50

PARAMETER	TEST RESULT	UNIT	METHOD	ANALYST	ANALYSIS TIME	
Fecal Coliform	Sample ID: 10975487	280,000	CFU/g TS	SM 9222 D	DB	08/30/2013 16:23
Fecal Coliform	Sample ID: 10975488	170,000	CFU/g TS	SM 9222 D	DB	08/30/2013 16:23
Fecal Coliform	Sample ID: 10975490	160,000	CFU/g TS	SM 9222 D	DB	08/30/2013 16:23
Fecal Coliform	Sample ID: 10975491	210,000	CFU/g TS	SM 9222 D	DB	08/30/2013 16:23
Fecal Coliform	Sample ID: 10975492	130,000	CFU/g TS	SM 9222 D	DB	08/30/2013 16:23
Fecal Coliform	Sample ID: 10975493	160,000	CFU/g TS	SM 9222 D	DB	08/30/2013 16:23
Fecal Coliform	Sample ID: 10975494	200,000	CFU/g TS	SM 9222 D	DB	08/30/2013 16:23
Fecal Coliform	Geometric Mean	1.8E+05	180,000	CFU/g TS		
Total Solids	Sample ID: 10975486	11.8	%	SM 2540 G	C	08/30/2013 16:48
S.O.U.R. Test	Sample ID: 10975486	0.69	mg O ₂ /hr/g TS	SM 2710 B	C	08/29/2013 01:59



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

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 1.6 mg O₂/hr/g TS.

Derek McCoy
Technical Director

RECEIVED
R04/13-1D

Terra Renewal West LLC
Post Office Box 3036
Russellville, AR 72811

ANALYTICAL RESULTS

AIC No. 182152-1

Sample Identification: Mc Allen #3 Fecal-1 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	22	0.01	wt %	
Prep: 04-Sep-2014 0931 by 308	Analyzed: 04-Sep-2014 1423 by 308		Batch: W49093	
Fecal Coliform SM 9221 E 2006	4200	900	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

AIC No. 182152-2

Sample Identification: Mc Allen #3 Fecal-2 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	25	0.01	wt %	
Prep: 04-Sep-2014 0931 by 308	Analyzed: 04-Sep-2014 1423 by 308		Batch: W49093	
Fecal Coliform SM 9221 E 2006	3700	800	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

AIC No. 182152-3

Sample Identification: Mc Allen #3 Fecal-3 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	27	0.01	wt %	
Prep: 04-Sep-2014 0931 by 308	Analyzed: 04-Sep-2014 1423 by 308		Batch: W49093	
Fecal Coliform SM 9221 E 2006	2700	700	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

AIC No. 182152-4

Sample Identification: Mc Allen #3 Fecal-4 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	21	0.01	wt %	
Prep: 04-Sep-2014 0931 by 308	Analyzed: 04-Sep-2014 1423 by 308		Batch: W49093	
Fecal Coliform SM 9221 E 2006	< 900	900	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

AIC No. 182152-5

Sample Identification: Mc Allen #3 Fecal-5 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	36	0.01	wt %	
Prep: 04-Sep-2014 0931 by 308	Analyzed: 04-Sep-2014 1423 by 308		Batch: W49093	
Fecal Coliform SM 9221 E 2006	< 500	500	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

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Russellville, AR 72811

ANALYTICAL RESULTS

AIC No. 182152-6

Sample Identification: Mc Allen #3 Fecal-6 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	18 Analyzed: 04-Sep-2014 1423 by 308	0.01 Analyzed: 04-Sep-2014 1423 by 308	wt % Batch: W49093	
Fecal Coliform SM 9221 E 2006	2000 Analyzed: 03-Sep-2014 1014 by 21	2000 Analyzed: 03-Sep-2014 1014 by 21	MPN/g Batch: M4711	

AIC No. 182152-7

Sample Identification: Mc Allen #3 Fecal-7 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	19 Analyzed: 04-Sep-2014 1423 by 308	0.01 Analyzed: 04-Sep-2014 1423 by 308	wt % Batch: W49093	
Fecal Coliform SM 9221 E 2006	1900 Analyzed: 03-Sep-2014 1014 by 21	1000 Analyzed: 03-Sep-2014 1014 by 21	MPN/g Batch: M4711	

AIC No. 182152-8

Sample Identification: Mc Allen #3 Fecal-1, 2, 3, 4, 5, 6, 7 9-2-14

Note: The sample was diluted to a Total Solids of 0.86% for the SOUR test.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Specific Oxygen Uptake Rate	1.5 Analyzed: 10-Sep-2014 1711 by 271	0 Analyzed: 10-Sep-2014 1711 by 271	mg/g/hr Batch: W49175	
Total Solids SM 2540 G 1997	17 Analyzed: 10-Sep-2014 1650 by 271	0.01 Analyzed: 10-Sep-2014 1650 by 271	wt % Batch: W49154	

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ANALYTICAL RESULTS

AIC No. 181586-1

Sample Identification: Mc Allen #2 Fecal-1 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	16	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	220000	2000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4670	

AIC No. 181586-2

Sample Identification: Mc Allen #2 Fecal-2 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	16	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	120000	2000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4670	

AIC No. 181586-3

Sample Identification: Mc Allen #2 Fecal-3 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	16	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	67000	2000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4670	

AIC No. 181586-4

Sample Identification: Mc Allen #2 Fecal-4 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	14	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	190000	2000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4670	

AIC No. 181586-5

Sample Identification: Mc Allen #2 Fecal-5 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	16	0.01	wt %	
Prep: 19-Aug-2014 1117 by 271	Analyzed: 20-Aug-2014 1823 by 271		Batch: W48900	
Fecal Coliform SM 9221 E 2006	150000	2000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4670	

Terra Renewal West LLC
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Russellville, AR 72811

ANALYTICAL RESULTS

AIC No. 181586-6

Sample Identification: Mc Allen #2 Fecal-6 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	16	0.01	wt %	
Prep: 19-Aug-2014 1117 by 271	Analyzed: 20-Aug-2014 1823 by 271		Batch: W48900	
Fecal Coliform SM 9221 E 2006	31000	2000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4670	

AIC No. 181586-7

Sample Identification: Mc Allen #2 Fecal-7 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	16	0.01	wt %	
Prep: 19-Aug-2014 1117 by 271	Analyzed: 20-Aug-2014 1823 by 271		Batch: W48900	
Fecal Coliform SM 9221 E 2006	82000	2000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4670	

AIC No. 181586-8

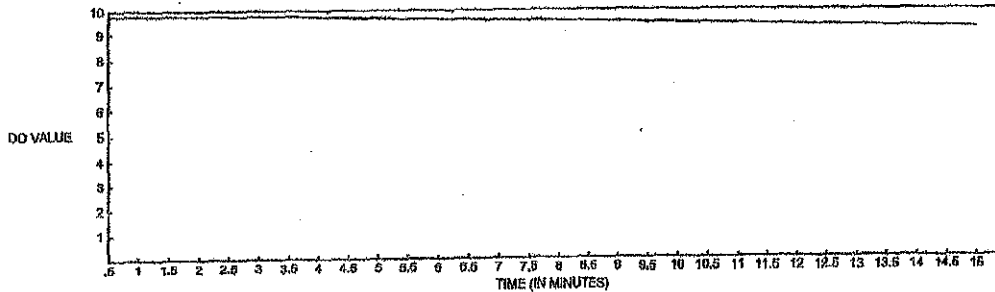
Sample Identification: Mc Allen #2 Fecal-1, -2, -3, -4, -5, -6, -7 8-13-14 1700

Note: Sour was requested at less than 2% total solids, and the actual total solids of the sour is 0.163 wt %.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Specific Oxygen Uptake Rate SM2710 B	1.3		mg/g/hr	
	Analyzed: 21-Aug-2014 0853 by 302		Batch: W48938	
Total Solids SM 2540 G 1997	16	0.01	wt %	
Prep: 18-Aug-2014 1500 by 302	Analyzed: 19-Aug-2014 1430 by 302		Batch: W48960	

Analysis performed on sludge sample received on 05/07/2014 10:24 collected by Bernard Malota from the Cake at 05/06/2014 17:00

PARAMETER	RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform Sample ID: 11084084	27,000	CFU/g TS	SM 9222 D	DB	05/07/2014 13:16
Fecal Coliform Sample ID: 11084085	1,100,000	CFU/g TS	SM 9222 D	DB	05/07/2014 13:16
Fecal Coliform Sample ID: 11084086	920,000	CFU/g TS	SM 9222 D	DB	05/07/2014 13:16
Fecal Coliform Sample ID: 11084087	800,000	CFU/g TS	SM 9222 D	DB	05/07/2014 13:16
Fecal Coliform Sample ID: 11084088	810,000	CFU/g TS	SM 9222 D	DB	05/07/2014 13:16
Fecal Coliform Sample ID: 11084089	1,000,000	CFU/g TS	SM 9222 D	DB	05/07/2014 13:16
Fecal Coliform Sample ID: 11084090	870,000	CFU/g TS	SM 9222 D	DB	05/07/2014 13:16
Fecal Coliform Geometric Mean	5.5E+05	550,000	CFU/g TS		
Total Solids Sample ID: 11084108	17.9	%	SM 2540 G	K	05/12/2014 15:05
S.O.U.R. Test Sample ID: 11084108	0.82	mg O2/hr/g TS	SM 2710 B	SG	05/07/2014 08:59



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.

W. Lambin
 Wendy Lambin - Project Manager

Terra Renewal West LLC
Post Office Box 3036
Russellville, AR 72811

ANALYTICAL RESULTS

AIC No. 182159-1

Sample Identification: La Feria WWTP Biosolids 9-2-14

Note: Total solids was diluted to 0.75% for the SOUR test.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Specific Oxygen Uptake Rate	0.20		mg/g/hr	
	Analyzed: 10-Sep-2014 1711 by 271		Batch: W49175	
Total Solids	19	0.01	wt %	
SM 2540 G 1997	Prep: 04-Sep-2014 1101 by 308	Analyzed: 04-Sep-2014 1607 by 308	Batch: W49098	

Terra Renewal West LLC
Post Office Box 3036
Russellville, AR 72811

ANALYTICAL RESULTS

AIC No. 181577-1

Sample Identification: La Feria Fecal-1 8-13-14 1700

Analyte	Result	RL	Units	Qualifier
Total Solids SM 2540 G 1997	19	0.01	wt %	
Prep: 15-Aug-2014 1623 by 308	Analyzed: 18-Aug-2014 1636 by 308		Batch: W48873	
Fecal Coliform SM 9221 E 2006	280000	1000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4669	

AIC No. 181577-2

Sample Identification: La Feria Fecal-2 8-13-14 1700

Analyte	Result	RL	Units	Qualifier
Total Solids SM 2540 G 1997	19	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	1300000	1000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4669	

AIC No. 181577-3

Sample Identification: La Feria Fecal-3 8-13-14 1700

Analyte	Result	RL	Units	Qualifier
Total Solids SM 2540 G 1997	19	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	150000	1000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4669	

AIC No. 181577-4

Sample Identification: La Feria Fecal-4 8-13-14 1700

Analyte	Result	RL	Units	Qualifier
Total Solids SM 2540 G 1997	18	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	880000	1000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4669	

AIC No. 181577-5

Sample Identification: La Feria Fecal-5 8-13-14 1700

Analyte	Result	RL	Units	Qualifier
Total Solids SM 2540 G 1997	19	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	850000	1000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4669	

Terra Renewal West LLC
Post Office Box 3036
Russellville, AR 72811

ANALYTICAL RESULTS

AIC No. 181577-6

Sample Identification: La Feria Fecal-6 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	19	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	64000	1000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4670	

AIC No. 181577-7

Sample Identification: La Feria Fecal-7 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	19	0.01	wt %	
Prep: 18-Aug-2014 1002 by 313	Analyzed: 19-Aug-2014 0925 by 313		Batch: W48880	
Fecal Coliform SM 9221 E 2006	590000	1000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4670	

AIC No. 181577-8

Sample Identification: La Feria Fecal-1, -2, -3, -4, -5, -6, -7 8-13-14 1700

Note: Sour was requested at less than 2% total solids, and the actual total solids of the sour is 0.163 wt %.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Specific Oxygen Uptake Rate SM2710 B	3.4		mg/g/hr	
	Analyzed: 21-Aug-2014 0853 by 302		Batch: W48938	
Total Solids SM 2540 G 1997	19	0.01	wt %	
Prep: 18-Aug-2014 1500 by 302	Analyzed: 19-Aug-2014 1430 by 302		Batch: W48960	

Terra Renewal West LLC
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Russellville, AR 72811

ANALYTICAL RESULTS

AIC No. 181567-1

Sample Identification: Hidalgo Fecal-1 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997 Prep: 15-Aug-2014 1611 by 308	17 Analyzed: 18-Aug-2014 1315 by 308	0.01	wt % Batch: W48872	
Fecal Coliform SM 9221 E 2006	950000 Analyzed: 14-Aug-2014 1130 by 304	2000	MPN/g Batch: M4669	

AIC No. 181567-2

Sample Identification: Hidalgo Fecal-2 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997 Prep: 15-Aug-2014 1611 by 308	15 Analyzed: 18-Aug-2014 1315 by 308	0.01	wt % Batch: W48872	
Fecal Coliform SM 9221 E 2006	620000 Analyzed: 14-Aug-2014 1130 by 304	2000	MPN/g Batch: M4669	

AIC No. 181567-3

Sample Identification: Hidalgo Fecal-3 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997 Prep: 15-Aug-2014 1611 by 308	17 Analyzed: 18-Aug-2014 1315 by 308	0.01	wt % Batch: W48872	
Fecal Coliform SM 9221 E 2006	13000 Analyzed: 14-Aug-2014 1130 by 304	2000	MPN/g Batch: M4669	

AIC No. 181567-4

Sample Identification: Hidalgo Fecal-4 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997 Prep: 15-Aug-2014 1611 by 308	15 Analyzed: 18-Aug-2014 1315 by 308	0.01	wt % Batch: W48872	
Fecal Coliform SM 9221 E 2006	15000 Analyzed: 14-Aug-2014 1130 by 304	2000	MPN/g Batch: M4669	

AIC No. 181567-5

Sample Identification: Hidalgo Fecal-5 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997 Prep: 15-Aug-2014 1611 by 308	16 Analyzed: 18-Aug-2014 1315 by 308	0.01	wt % Batch: W48872	
Fecal Coliform SM 9221 E 2006	21000 Analyzed: 14-Aug-2014 1130 by 304	2000	MPN/g Batch: M4669	

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ANALYTICAL RESULTS

AIC No. 181567-6

Sample Identification: Hidalgo Fecal-6 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	16	0.01	wt %	
Prep: 15-Aug-2014 1611 by 308	Analyzed: 18-Aug-2014 1315 by 308		Batch: W48872	
Fecal Coliform SM 9221 E 2006	30000	2000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4669	

AIC No. 181567-7

Sample Identification: Hidalgo Fecal-7 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	19	0.01	wt %	
Prep: 15-Aug-2014 1611 by 308	Analyzed: 18-Aug-2014 1315 by 308		Batch: W48872	
Fecal Coliform SM 9221 E 2006	18000	1000	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4669	

AIC No. 181567-8

Sample Identification: Hidalgo Fecal-1,2,3,4,5,6,7 8-13-14 1700

Note: Sour was requested at less than 2% total solids, and the actual total solids of the sour is 0.189 wt %.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Specific Oxygen Uptake Rate SM2710 B	1.5		mg/g/hr	
	Analyzed: 21-Aug-2014 0853 by 302		Batch: W48938	
Total Solids SM 2540 G 1997	17	0.01	wt %	
Prep: 18-Aug-2014 1500 by 302	Analyzed: 19-Aug-2014 1430 by 302		Batch: W48960	

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ANALYTICAL RESULTS

AIC No. 181569-6

Sample Identification: Balli Road Fecal-6 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	28	0.01	wt %	
Prep: 15-Aug-2014 1623 by 308	Analyzed: 18-Aug-2014 1636 by 308		Batch: W48873	
Fecal Coliform SM 9221 E 2006	1200000	700	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4669	

AIC No. 181569-7

Sample Identification: Balli Road Fecal-7 8-13-14 1700

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	23	0.01	wt %	
Prep: 15-Aug-2014 1623 by 308	Analyzed: 18-Aug-2014 1636 by 308		Batch: W48873	
Fecal Coliform SM 9221 E 2006	1100000	800	MPN/g	
	Analyzed: 14-Aug-2014 1130 by 304		Batch: M4669	

AIC No. 181569-8

Sample Identification: Balli Road Fecal-1, -2, -3, -4, -5, -6, -7 8-13-14 1700

Note: Sour was requested at less than 2% total solids, and the actual total solids of the sour is 0.155 wt %.

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Specific Oxygen Uptake Rate SM2710.B	1.0		mg/g/hr	
	Analyzed: 21-Aug-2014 0853 by 302		Batch: W48938	
Total Solids SM 2540 G 1997	27	0.01	wt %	
Prep: 18-Aug-2014 1500 by 302	Analyzed: 19-Aug-2014 1430 by 302		Batch: W48960	

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ANALYTICAL RESULTS

AIC No. 182158-1

Sample Identification: Military Hwy-Bali Rd Fecal-1 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	18	0.01	wt %	
Prep: 04-Sep-2014 1101 by 308	Analyzed: 04-Sep-2014 1607 by 308		Batch: W49098	
Fecal Coliform SM 9221 E 2006	140000	2000	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

AIC No. 182158-2

Sample Identification: Military Hwy-Bali Rd Fecal-2 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	29	0.01	wt %	
Prep: 04-Sep-2014 1101 by 308	Analyzed: 04-Sep-2014 1607 by 308		Batch: W49098	
Fecal Coliform SM 9221 E 2006	120000	700	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

AIC No. 182158-3

Sample Identification: Military Hwy-Bali Rd Fecal-3 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	26	0.01	wt %	
Prep: 04-Sep-2014 1101 by 308	Analyzed: 04-Sep-2014 1607 by 308		Batch: W49098	
Fecal Coliform SM 9221 E 2006	3500000	700	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

AIC No. 182158-4

Sample Identification: Military Hwy-Bali Rd Fecal-4 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	24	0.01	wt %	
Prep: 04-Sep-2014 1101 by 308	Analyzed: 04-Sep-2014 1607 by 308		Batch: W49098	
Fecal Coliform SM 9221 E 2006	< 800	800	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

AIC No. 182158-5

Sample Identification: Military Hwy-Bali Rd Fecal-5 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	27	0.01	wt %	
Prep: 04-Sep-2014 1101 by 308	Analyzed: 04-Sep-2014 1607 by 308		Batch: W49098	
Fecal Coliform SM 9221 E 2006	6000000	700	MPN/g	
	Analyzed: 03-Sep-2014 1014 by 21		Batch: M4711	

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ANALYTICAL RESULTS

AIC No. 182158-6

Sample Identification: Military Hwy-Bali Rd Fecal-6 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	30 Prep: 04-Sep-2014 1101 by 308 Analyzed: 04-Sep-2014 1607 by 308	0.01	wt % Batch: W49098	
Fecal Coliform SM 9221 E 2006	>1600000 Analyzed: 03-Sep-2014 1018 by 21	200	MPN/g Batch: M4712	

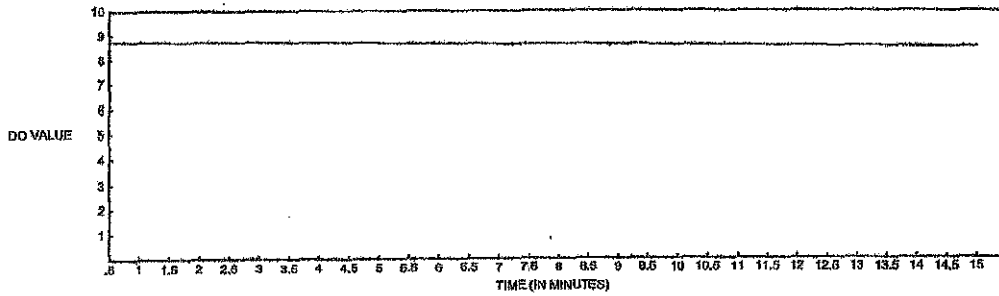
AIC No. 182158-7

Sample Identification: Military Hwy-Bali Rd Fecal-7 9-2-14

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Solids SM 2540 G 1997	18 Prep: 04-Sep-2014 1101 by 308 Analyzed: 04-Sep-2014 1607 by 308	0.01	wt % Batch: W49098	
Fecal Coliform SM 9221 E 2006	7600 Analyzed: 03-Sep-2014 1018 by 21	1000	MPN/g Batch: M4712	

Analysis performed on sludge sample received on 03/18/2014 12:28 collected by Bernard Malota from the Cake at 03/17/2014 15:00

PARAMETER	RESULT	UNITS	METHOD	ANALYST	ANALYSIS TIME
Fecal Coliform Sample ID: 11062008	72,000	CFU/g TS	SM 9222 D	SG	03/18/2014 16:48
Fecal Coliform Sample ID: 11062008	81,000	CFU/g TS	SM 9222 D	SG	03/18/2014 16:48
Fecal Coliform Sample ID: 11062009	70,000	CFU/g TS	SM 9222 D	SG	03/18/2014 16:48
Fecal Coliform Sample ID: 11062010	78,000	CFU/g TS	SM 9222 D	SG	03/18/2014 16:48
Fecal Coliform Sample ID: 11062011	71,000	CFU/g TS	SM 9222 D	SG	03/18/2014 16:48
Fecal Coliform Sample ID: 11062012	71,000	CFU/g TS	SM 9222 D	SG	03/18/2014 16:48
Fecal Coliform Sample ID: 11062013	77,000	CFU/g TS	SM 9222 D	SG	03/18/2014 16:48
Fecal Coliform Geometric Mean	7.4E+04	74,000	CFU/g TS		
Total Solids Sample ID: 11062005	51.5	%	SM 2540 G	LRS	03/21/2014 15:27
S.O.U.R. Test Sample ID: 11062005	0.22	mg O2/hr/g TS	SM 2710 B	CL	03/17/2014 09:13



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.

W. Lambert
 Wendy Lambert - Project Manager