LAFOLLETTE UTILITIES
ELECTRICITY
WATER
WASTEWATER
P. O. Box 1411 LaFollette, Tennessee 37766 423.562.3316

LaFollette Wastewater Treatment Plant
Annual Biosolids Report
for
Wastewater Solids Land Applied in 2014

February 19, 2015

ANNUAL REPORT

Biosolids Generated- General Information

a. Total Biosolids Applied in 2014

A total of 126.2 dry metric tons of biosolids were land applied in 2014: - 81.2 dry metric tons were composted as EQ biosolids - 45 dry metric tons were land applied as Class B biosolids.

For metals and Salmonella - See attached Lab Report – Attachment 1A

b. Concentration of Metals.
See attached Lab Report – Attachment 1A / 1C

c. PCB:
Report Date June 2, 2014
See attached lab report – Attachment 1C/D

d. TCLP:
Report Date: June 2, 2014
See attached Lab Report – Attachment 1C/D

e. Pathogen Reduction Process Description and Results

Biosolids are isolated and treated in digester #3 for no less than thirty (30) days. Seven (7) representative samples of the biosolids to be applied are collected and analyzed. The geometric mean of the density of fecal coliform shall be less than 2,000,000 CFU/gram of total solids. 0400-40-15 - .04(3)(b)2

See attached Lab Report – Attachment 1E

f. Vector Attraction Reduction Description and Results

Option #4 is used to achieve VAR. Biosolids are isolated and treated in digester #3 for no less than thirty (30) days. The Specific Oxygen Uptake Rate (SOUR) is used to demonstrate VAR.

See attached Lab Report – Attachment 1Fa & b
See attachment 1Fc

g. Generator Certification Statement

CERTIFICATION: I certify, under penalty of law, that to the best of my knowledge and understanding, the contaminate concentrations in the biosolids, pathogen reduction, vector attraction reduction and other quality criteria of the biosolids stated in the regulations have been met. I further certify that other information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Application Site(s)

a. Site Name: Gary Bostic LA07.TN.CA-2

b. Site Owner: Gary Bostic

c. Site Operator: Gary Bostic

d. Applier: Gary Bostic

e. Latitude and Longitude of Site:

See Attachment – 2A

f. Street Address: 653 Cross Valley Road, 647 Cross Valley Road, 747 Cross Valley Road

g. County: Campbell

h. Size 46.4 acres.
   1. Approved Acres: 32.73
   2. Applied Acres: 11.93
   3. Acres excluding setbacks: 32.73

i. <u>Crop Information.</u>
   1. Crop Grown: Hay
   2. Yield: Historical yield is 100 tons/year total, 2 cuttings

j. Application Method: Manure spreader
k. Agronomic Rate (tons/acre) and if applicable, the cumulative loadings for each contaminant.
    1. Agronomic Loading Rate: 4T/Acre
    2. Maximum Plant Available Nitrogen (PAN) loading: 30.7 lbs N/Acre
    3. Loading Rate to achieve PAN: 4 Dry T/Acre
    4. Actual application tonnage/volume wet: 0 - N/A
    5. Actual application tonnage , dry: 3.77 Dry T/Acre
    6. Total wet tons or volume per field: 0 - N/A
    7. Total dry tons per field: 45 Tons
l. Nitrogen Concentrations. Report average and maximum test concentrations
    1. Average Ammonia: 2700 mg/l Maximum 2700 mg/l
    2. Average TKN: 49000 mg/l Maximum 49000 mg/l
    3. Average Organic Nitrogen: N/A Maximum N/A
    4. Average Nitrate: 92 mg/l Maximum 92 mg/l
    5. Total Solids Percent 8.52

    See attached Lab Report – Attachment 1B

m. Ammonia, TKN, NO2, NO3 as percent of Total Solids
    1. See Agronomic Loading Rate Worksheet.
    2. Item 1,a is pounds of TKN, TKN lbs/ 2000 = _____% TKN
    3. Item 1,b is pounds of NH3, NH3 lbs/2000= _____% NH3
    4. Item 1,c is pounds of NO2+3, NO2+3 lbs/2000=_____% NO2+3
n. Tonnage Applied
    1. Biosolids Applied to Site
        i. Total Tonnage or Volume: 45
        ii. Dry tons: 45
    2. Biosolids Applied to Each Site
        i. First Application Date 10/2/2014
        ii. Last Application Date 11/10/2014

o. Metals

    See attached Lab Report – Attachment 1A, 1C

p. Management Practices.
    1. Set Backs
    2. Agronomic Loading
    3. Weather Restrictions
    4. Soil Restrictions
    5. Threatened and Endangered Species
    6. Metals Loading
    7. Notification of Owners

    See attachment 2A

q. Site Restrictions

See attachment 2A

r. Certification Statement/s

CERTIFICATION: I certify, under penalty of law, that to the best of my knowledge and understanding, the contaminate concentrations in the biosolids, pathogen reduction, vector attraction reduction and other quality criteria of the biosolids stated in the regulations have been met. I further certify that other information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

2/18/15

Mark T. Skeen
LaFollette Utilities Board
Wastewater Treatment Facility Supervisor
PO Box 1411
LaFollette, TN 37766
423.562.3376 (Office)
423.562.3584 (Fax)
mskeen.lub@comcast.net

Attachment 1A

1 A

Microbac Laboratories, Inc.

Knoxville Division
505 E. Broadway Avenue Maryville, TN 37804 865.977.1200 Fax:865.984.8616
Tri-Cities, TN 423.926.6385 | Nashville, TN 615.242.1480
www.microbac.com
tennessee@microbac.com

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · WATER · AIR · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS

CERTIFICATE OF ANALYSIS

Mark Skeen
LaFollette WWTP
P.O. Box 1411
LaFollette, TN 37766

Date Reported: 3/11/2014
Date Received: 2/20/2014
Cust #: RL042
PO#:

Workorder: 1403081 **Project:** Compost Sample

Analyte	Result	Units	Dil	Qualifier	Reporting Limit	Analyst	Analyzed	Method
Compost Sampled: 02/20/2014 09:15								
					1403081-01 (Solid)			
Wet Chemistry								
						Analyzed By: Microbac Knoxville Division		
Nitrate + Nitrite (as N)	**9.04**	mg/kg wet	1	B	0.0496	AJW	02/28/2014 16:01	SW846 9056
Nitrogen- Total as N	**9610**	mg/kg	1		0.0496	DSA	03/11/2014 16:23	varies
Solids, Total	**28.6**	mg/L	1		0.0500	BDH	02/21/2014 17:40	SM 2540 B-1997
Metals, Total by EPA 6000/7000 Series Methods								
						Analyzed By: Microbac Knoxville Division		
Cadmium	ND	mg/kg wet	1		0.707	JNB	02/26/2014 22:17	SW846 6010B
Copper	**78.6**	mg/kg wet	1	M4	0.943	JNB	02/26/2014 22:17	SW846 6010B
Lead	**10.7**	mg/kg wet	1	M4	1.89	JNB	02/26/2014 22:17	SW846 6010B
Molybdenum	ND	mg/kg wet	1	M4	1.41	JNB	02/26/2014 22:17	SW846 6010B
Nickel	**5.15**	mg/kg wet	1	M4	0.943	JNB	02/26/2014 22:17	SW846 6010B
Wet Chemistry								
						Analyzed By: Microbac Laboratories, Inc. - Chicagoland		
Nitrogen, Kjeldahl, Total	**9600**	mg/Kg	50		980	GRIEF	02/28/2014 15:23	EPA 351.2 Rev 2.0
Compost Sampled: 02/20/2014 09:15								
					1403081-01RE1 (Solid)			
Metals, Total by EPA 6000/7000 Series Methods								
						Analyzed By: Microbac Knoxville Division		
Arsenic	ND	mg/kg wet	1		1.41	JNB	02/27/2014 16:26	SW846 6010B
Mercury	ND	mg/kg wet	1		0.00995	JNB	03/04/2014 14:57	SW846 7471B
Phosphorus	**4450**	mg/kg wet	2		7.07	JNB	02/27/2014 16:26	SW846 6010B
Selenium	ND	mg/kg wet	1		1.89	JNB	02/27/2014 16:26	SW846 6010B
Zinc	**219**	mg/kg wet	2	B	0.754	JNB	02/27/2014 16:26	SW846 6010B

4A

Microbac Laboratories, Inc.

Knoxville Division
505 E. Broadway Avenue Maryville, TN 37804 865.977.1200 Fax:865.984.8616
Tri-Cities, TN 423.926.6385 | Nashville, TN 615.242.1480
www.microbac.com
tennessee@microbac.com

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · WATER · AIR · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS

CERTIFICATE OF ANALYSIS

Mark Skeen
LaFollette WWTP
P.O. Box 1411
LaFollette, TN 37766

Date Reported: 6/2/2014
Date Received: 5/29/2014
Cust #: RL042
PO#:

Workorder: 1409271 **Project:** Compost Sample

Analyte	Result	Units	Dil	Qualifier	Reporting Limit	Analyst	Analyzed	Method
Compost **Sampled: 05/29/2014 08:30**								
					1409271-01 (Solid)			
General Microbiology							**Analyzed By: Microbac Knoxville Division**	
Salmonella	ND	MPN/4 g wet	1		0.8	KRM	05/29/2014 13:10	SM 9260,D.

Attachment 1B

1B

ESC LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. Mark Skeen
LaFollette Utilities WWTP
412 Pleasant Ridge Rd.
LaFollette, TN 37766

Report Summary

Tuesday September 02, 2014

Report Number: L717363
Samples Received: 08/21/14
Client Project: Sludge

Description:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Linda Cashman

Linda Cashman , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Mark Skeen
LaFollette Utilities WWTP
412 Pleasant Ridge Rd.
LaFollette, TN 37766

September 02,2014

Date Received : August 21, 2014
Description :

ESC Sample # : L717363-02

Sample ID : DEWATERED BIOSOLIDS

Site ID :

Project # : Sludge

Collected By : Nicholas Cowa
Collection Date : 08/20/14 11:35

Parameter	W.Result	RDL	D.Result	RDL	Units	Method	Date
Nitrate-Nitrite	7.8	2.0	92.	23.	mg/kg	9056	08/26/14
Phosphorus,Total	110	2.0	1300	23.	mg/kg	9056	08/27/14
Total Nitrogen	4200	1.0	49000	12.	mg/kg	Calc.	08/29/14
Ammonia Nitrogen	230	5.0	2700	59.	mg/kg	350.1	08/27/14
Kjeldahl Nitrogen, TKN	4200	200	49000	2300	mg/kg	4500NOrg	08/26/14
Total Solids	8.52	0.100	8.52		%	2540 G-2	08/27/14

BDL - Below Detection Limit
RDL - Detection Limit- Estimated Quantitation Limit(EQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 09/02/14 09:57 Revised: 09/02/14 16:27

Attachment 1C/D

1C
1D

ESC LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. Mark Skeen
LaFollette Utilities WWTP
412 Pleasant Ridge Rd.
LaFollette, TN 37766

Report Summary

Monday June 02, 2014

Report Number: L700437
Samples Received: 05/22/14
Client Project:

Description:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Linda Cashman

Linda Cashman , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Mark Skeen
LaFollette Utilities WWTP
412 Pleasant Ridge Rd.
LaFollette, TN 37766

June 02,2014

ESC Sample # : L700437-01

Date Received : May 22, 2014
Description :

Site ID :

Sample ID : DRYING BED

Project :

Collected By : Nicholas C
Collection Date : 05/21/14 13:15

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
TCLP Extraction	-				1311	05/25/14 1000	MVE	1
Mercury	BDL	0.0010	mg/l	0.20	7470A	05/28/14 1609	CCE	1
Arsenic	BDL	0.45	mg/l	5.0	6010B	05/27/14 1607	ST	1
Barium	BDL	1.4	mg/l	100	6010B	05/27/14 1607	ST	1
Cadmium	BDL	0.45	mg/l	1.0	6010B	05/27/14 1607	ST	1
Chromium	BDL	0.45	mg/l	5.0	6010B	05/27/14 1607	ST	1
Lead	BDL	0.45	mg/l	5.0	6010B	05/27/14 1607	ST	1
Selenium	BDL	0.45	mg/l	1.0	6010B	05/27/14 1607	ST	1
Silver	BDL	0.45	mg/l	5.0	6010B	05/27/14 1607	ST	1
TCLP ZHE Extraction	-				1311	05/28/14 0906	LJN	1
TCLP Volatiles								
Benzene	BDL	0.050	mg/l	0.50	8260B	05/28/14 2149	JC	1
Carbon tetrachloride	BDL	0.050	mg/l	0.50	8260B	05/28/14 2149	JC	1
Chlorobenzene	BDL	0.050	mg/l	100	8260B	05/28/14 2149	JC	1
Chloroform	BDL	0.25	mg/l	6.0	8260B	05/28/14 2149	JC	1
1,2-Dichloroethane	BDL	0.050	mg/l	0.50	8260B	05/28/14 2149	JC	1
1,1-Dichloroethene	BDL	0.050	mg/l	0.70	8260B	05/28/14 2149	JC	1
2-Butanone (MEK)	BDL	0.50	mg/l	200	8260B	05/28/14 2149	JC	1
Tetrachloroethene	BDL	0.050	mg/l	0.70	8260B	05/28/14 2149	JC	1
Trichloroethene	BDL	0.050	mg/l	0.50	8260B	05/28/14 2149	JC	1
Vinyl chloride	BDL	0.050	mg/l	0.20	8260B	05/28/14 2149	JC	1
Surrogate Recovery								
Toluene-d8	102.		% Rec.	114.	8260B	05/28/14 2149	JC	1
Dibromofluoromethane	117.		% Rec.	125.	8260B	05/28/14 2149	JC	1
a,a,a-Trifluorotoluene	99.7		% Rec.	114.	8260B	05/28/14 2149	JC	1
4-Bromofluorobenzene	100.		% Rec.	128.	8260B	05/28/14 2149	JC	1
TCLP Pesticides								
Chlordane	BDL	0.0050	mg/l	0.030	8081A	05/28/14 1114	CBB	1
Endrin	BDL	0.0050	mg/l	0.020	8081A	05/28/14 1114	CBB	1
Heptachlor	BDL	0.0050	mg/l	0.0080	8081A	05/28/14 1114	CBB	1
Lindane	BDL	0.0050	mg/l	0.40	8081A	05/28/14 1114	CBB	1
Methoxychlor	BDL	0.0050	mg/l	10.	8081A	05/28/14 1114	CBB	1
Toxaphene	BDL	0.010	mg/l	0.50	8081A	05/28/14 1114	CBB	1
Surrogate Recovery								
Decachlorobiphenyl	125.		% Rec.	123.	8081A	05/28/14 1114	CBB	1
Tetrachloro-m-xylene	76.6		% Rec.	114.	8081A	05/28/14 1114	CBB	1
TCLP Herbicides								

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Mark Skeen
LaFollette Utilities WWTP
412 Pleasant Ridge Rd.
LaFollette, TN 37766

June 02,2014

ESC Sample # : L700437-01

Date Received : May 22, 2014
Description :

Site ID :

Sample ID : DRYING BED

Project :

Collected By : Nicholas C
Collection Date : 05/21/14 13:15

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
2,4,5-TP (Silvex)	BDL	0.0020	mg/l	1.0	8151A	05/28/14 2324	KLM	1
2,4-D	BDL	0.0020	mg/l	10.	8151A	05/28/14 2324	KLM	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	78.3		% Rec.		8151A	05/28/14 2324	KLM	1
TCLP Semi-Volatiles								
1,4-Dichlorobenzene	BDL	0.10	mg/l	7.5	8270C	05/29/14 0604	KMF	1
2,4-Dinitrotoluene	BDL	0.10	mg/l	0.13	8270C	05/29/14 0604	KMF	1
Hexachlorobenzene	BDL	0.10	mg/l	0.13	8270C	05/29/14 0604	KMF	1
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	0.50	8270C	05/29/14 0604	KMF	1
Hexachloroethane	BDL	0.10	mg/l	3.0	8270C	05/29/14 0604	KMF	1
Nitrobenzene	BDL	0.10	mg/l	2.0	8270C	05/29/14 0604	KMF	1
Pyridine	BDL	0.10	mg/l	5.0	8270C	05/29/14 0604	KMF	1
3&4-Methyl Phenol	BDL	0.10	mg/l	400	8270C	05/29/14 0604	KMF	1
2-Methylphenol	BDL	0.10	mg/l	200	8270C	05/29/14 0604	KMF	1
Pentachlorophenol	BDL	0.10	mg/l	100	8270C	05/29/14 0604	KMF	1
2,4,5-Trichlorophenol	BDL	0.10	mg/l	400	8270C	05/29/14 0604	KMF	1
2,4,6-Trichlorophenol	BDL	0.10	mg/l	2.0	8270C	05/29/14 0604	KMF	1
Surrogate Recovery								
2-Fluorophenol	52.6		% Rec.	87.0	8270C	05/29/14 0604	KMF	1
Phenol-d5	36.1		% Rec.	67.0	8270C	05/29/14 0604	KMF	1
Nitrobenzene-d5	65.8		% Rec.	120.	8270C	05/29/14 0604	KMF	1
2-Fluorobiphenyl	65.7		% Rec.	122.	8270C	05/29/14 0604	KMF	1
2,4,6-Tribromophenol	67.1		% Rec.	148.	8270C	05/29/14 0604	KMF	1
p-Terphenyl-d14	63.6		% Rec.	149.	8270C	05/29/14 0604	KMF	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)
Limit - Maximum Contaminant Level as established by the US EPA
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 06/02/14 10:20 Printed: 06/02/14 10:20

ESC LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Mark Skeen
LaFollette Utilities WWTP
412 Pleasant Ridge Rd.
LaFollette, TN 37766

June 02,2014

Date Received : May 22, 2014
Description :

ESC Sample # : L700437-02

Sample ID : DRYING BED

Site ID :

Project # :

Collected By : Nicholas C
Collection Date : 05/21/14 13:15

Parameter	W.Result	RDL	D.Result	RDL	Units	Method	Date
Total Solids	10.2	0.100	10.2		%	2540 G-2	05/24/14
Polychlorinated Biphenyls							
PCB 1016	BDL	0.017	BDL	0.17	mg/kg	8082	05/30/14
PCB 1221	BDL	0.017	BDL	0.17	mg/kg	8082	05/30/14
PCB 1232	BDL	0.017	BDL	0.17	mg/kg	8082	05/30/14
PCB 1242	BDL	0.017	BDL	0.17	mg/kg	8082	05/30/14
PCB 1248	BDL	0.017	BDL	0.17	mg/kg	8082	05/30/14
PCB 1254	BDL	0.017	BDL	0.17	mg/kg	8082	05/30/14
PCB 1260	BDL	0.017	BDL	0.17	mg/kg	8082	05/30/14
PCBs Surrogates							
Decachlorobiphenyl	25.6		25.6		% Rec.	8082	05/30/14
Tetrachloro-m-xylene	51.1		51.1		% Rec.	8082	05/30/14

BDL - Below Detection Limit
RDL - Detection Limit- Estimated Quantitation Limit(EQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 06/02/14 10:20 Printed: 06/02/14 10:20

Attachment 1E

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Mark Skeen
LaFollette Utilities WWTP
412 Pleasant Ridge Rd.
LaFollette, TN 37766

June 30, 2014

ESC Sample # : L706282-01

Date Received : June 24, 2014
Description :

Site ID :

Sample ID : DIGESTER # 3

Project # : Sludge

Collected By :
Collection Date : 06/23/14 11:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Fecal Coliform -Geom.Mean	<7600		col/g	9222 D-1997	06/24/14	100
Fecal Coliform -1	<8100		col/g	9222 D-1997	06/24/14	100
Fecal Coliform -2	<7900		col/g	9222 D-1997	06/24/14	100
Fecal Coliform -3	<8000		col/g	9222 D-1997	06/24/14	100
Fecal Coliform -4	<8000		col/g	9222 D-1997	06/24/14	100
Fecal Coliform -5	<8000		col/g	9222 D-1997	06/24/14	100
Fecal Coliform -6	<6800		col/g	9222 D-1997	06/24/14	100
Fecal Coliform -7	<6800		col/g	9222 D-1997	06/24/14	100

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 06/30/14 15:43 Printed: 06/30/14 15:43

Attachment 1Fa, b, c

1 Fa

LaFollette Utilities Board WWTF

Jun-03-2014

Specific Oxygen Uptake Rate (SOUR)

Sample Collection		SOUR Results	Sample Analysis	
Date:	Jun-03-2014	1.03688 mg/g/h	Date:	Jun-03-2014
Time:	12:15pm		Time:	12:35 PM
Location:	Digester #3		By:	NC
BY:	NC	PASSED		

Temperatrue		C	21
	START	20.6	END	20.8

Start D.O.	5.1								Average D.O. Depletion:					0.25
D.O.	4.60	4.31	4.15	3.93	3.70	3.46	3.21	2.96	2.76	2.52	2.28	2.06	1.80	1.57	1.34
(mg/l)	0.50	0.29	0.16	0.22	0.23	0.24	0.25	0.25	0.20	0.24	0.24	0.22	0.26	0.23	0.23
										Total D.O. Depeletion					3.76
Time (Minutes)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Total Solids

Sample Collection			
Date:	Jun-03-2014		
Time:	12:15 PM	Time:	12:35 PM
Location:	Digester #3	By:	NC
BY:	NC	ML Filtered:	100

Dish Weight	76.3736	Dish Weight	
Dish & Solids Weight (Wet)	175.6711	Dish & Solids Weight (Wet)	
Dish & Solids Weight (Dry)	77.7419	Dish & Solids Weight (Dry)	
% Total Solids		% Total Solids	0.00

1.37 99.3 0.01 1.38

$$\text{SOUR (mg/g/h)} = \frac{\text{oxygen consumption rate}}{\text{minute}} \times \frac{\text{60 minutes}}{\text{hour}} / \text{\% Solids X 1000}$$

SOUR (mg/g/h) = 15.04 / 13.78 = 1.09145

The temperature correction factor is 0.95

SOUR (mg/g/h) = 1.03688 Oxygen Depleted/mg/g/Hour

Vector Attraction HAS been met.

1F6

LaFollette Utilities Board WWTF

Sep-25-2014

Specific Oxygen Uptake Rate (SOUR)

Sample Collection		SOUR Results	Sample Analysis	
Date:	Sep-25-2014	-0.82744 mg/g/h	Date:	Sep-25-2014
Time:	11:50 AM		Time:	10:20 AM
Location:	Digester #3		By:	nc
BY:	NC	PASSED		

Temperatrue	C	18		
	START	17	END	17.6
	Average D.O. Depletion:			-0.2

Start D.O.															
D.O. (mg/l)	7.41	7.11	6.84	6.56	6.30	6.03	5.77	5.51	5.24	5.00	4.67	4.44	4.15	3.90	3.62
	-7.41	0.30	0.27	0.28	0.26	0.27	0.26	0.26	0.27	0.24	0.33	0.23	0.29	0.25	0.28
										Total D.O. Depeletion					-3.62
Time (Minutes)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Total Solids

Sample Collection			
Date:	Sep-25-2014		Sep-26-2014
Time:	11:50 AM	Time:	10:20 AM
Location:	Digester #3	By:	nc
BY:	nc	ML Filtered:	100

Dish Weight	76.3726	Dish Weight	
Dish & Solids Weight (Wet)	173.4416	Dish & Solids Weight (Wet)	
Dish & Solids Weight (Dry)	78.3091	Dish & Solids Weight (Dry)	
% Total Solids		% Total Solids	0.00

1.94 97.1 0.02 1.99

$$\text{SOUR (mg/g/h)} = \frac{\text{oxygen consumption rate}}{\text{minute}} \times \frac{\text{60 minutes}}{\text{hour}} / \text{\% Solids X 1000}$$

SOUR (mg/g/h) = -14.48 / 19.95 = -0.72582

The temperature correction factor is 1.14

SOUR (mg/g/h) = -0.82744 Oxygen Depleted/mg/g/Hour

Vector Attraction HAS been met.

1 F c

DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES
William R. Snodgrass - Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243-1102
(615) 532-0625

NOTICE OF INTENT (NOI) for Land Application of Non-Exceptional Quality Biosolids

Generator Name	Current NPDES No.	Existing Tracking No.
LaFollette Utilities Board	TN0080021	TNB020532

Owner or Operator (the person or legal entity which controls the site's operation)

1	Name of Official Contact Person (individual responsible for a site): Walter M. Baird	Title or Position: General Manager		
	Mailing Address: P.O. Box 1411	City: LaFollette	State: TN	Zip: 37766
	Phone: (423.562.3316	E-mail: kenny.baird@lub.org		
2	Name of Local Contact Person (if appropriate, write "same as #1"): Mark T. Skeen	Title or Position: Wastewater Supervisor		
	Site Address (this may or may not be the same as street address): 412 Pleasant Ridge Road	Site City: LaFollette	State: TN	Zip: 37766
	Phone: (423.562.3376	E-mail: mtskeen@gmail.com		

Write in the box (to the right) or circle the number (above) to indicate where to send correspondence: 1

All non-EQ biosolids land application sites that have been approved by the division prior to the effective date of this permit will be covered under this permit upon receipt of the signed certification statement, completed NOI and a copy of site approval letter(s).

A. OPERATIONAL INFORMATION:
Estimated annual amount of biosolids generated (dry weight basis) <262 (tons)
Estimated annual amount of biosolids to be land applied (dry weight basis) 0-<262 (tons)

B. BIOSOLIDS TREATMENT PROCESS: Please provide a description of the biosolids treatment process used prior to biosolids being land applied (use a separate sheet if necessary):

Sludge is treated in 3 aerobic digesters for extended periods of time (60-365 days).

C. CHEMICAL ANALYSIS: Indicate which contaminant standard(s) the biosolids meet:
Table 1 Ceiling Contaminant Concentrations: ☐ **Table 3 Contaminant Concentrations:** ☐

- Submit analytical results to demonstrate eligibility for and compliance with the quality criteria specified in the General Permit.
- Submit PCB and TCLP analytical results that are less five years old.

D. PATHOGEN REDUCTION LEVEL ACHIEVED: Indicate alternative used to achieve the pathogen reduction. For Class A, Alternatives 5 and 6; for Class B, Alternatives 2 and 3, list the specific Process to Further Reduce Pathogens (PFRP) or Process to Significantly Reduce Pathogens (PSRP).

Class A:	☐ Alternative 1	☒ **Alternative 2**	☐ **Alternative 3**	
	☐ Alternative 4	☐ Alternative 5 _____ **(List PFRP)**	☐ **Alternative 6** **(List Eq. PFRP)**	_____
Class B:	☐ Alternative 1	☐ Alternative 2 _____ **(List PSRP)**	☐ **Alternative 3** **(List Eq. PSRP)**	_____

Provide a detailed description of the pathogen treatment process. Attach laboratory analytical and/or process monitoring results, as appropriate, that demonstrate pathogen reduction is being achieved:

Biosolids are treated for extended periods of time, usually 90-365 days. Seven representative samples of the biosolids that are disposed of are collected. The geometric mean of the density of fecal coliform shall be less than 2,000,000 CFU/gram of total solids per 0400-40-15-.04(3)(b)2

E. **VECTOR ATTRACTION REDUCTION LEVEL ACHIEVED:** Indicate the option used to achieve the vector attraction reduction.

☐ Option 1 ☐ Option 2 ☐ Option 3 ☒ **Option 4**
☐ Option 5 ☐ Option 6 ☐ Option 7 ☐ **Option 8**

If one of the vector attraction reduction Options 1 - 5 is selected, do the biosolids meet Class A pathogen reduction requirements prior to or at the same time as meeting the vector attraction reduction requirements?

☐ Yes ☒ **No**

Provide a detailed description of the vector attraction reduction treatment process. Attach laboratory analytical and or process monitoring results, as appropriate, that demonstrate vector attraction reduction is being achieved:

Class B pathogen reduction is met at the same time. Biosolids are treated for extended periods of time, usually 90-365 days. Seven representative samples of the biosolids that are disposed of are collected. The geometric mean of the density of fecal coliform shall be less than 2,000,000 CFU/gram of total solids per 0400-40-15-.04(3)(b)2

F. If one of the vector attraction reduction Options 1 - 8 above was not performed, indicate how the vector attraction reduction will be performed on the field as part of the land application process:

☐ **Option 9 (Subsurface Injection)** ☐ **Option 10 (Incorporation)**

G. **SAMPLING PLAN:** Include a detailed copy of the biosolids sampling plan as specified in the instructions. The sampling plan must address sampling protocols for contaminants, pathogen reduction, and vector attraction reduction quality criteria.

Once/year, in accordance with Rule 0400-40-15-.02(6)(a)1 <290 tons

H. **LAND APPLICATION AREA(s):** Include a list of land application area(s) that will be used for disposal of biosolids. Attach a detailed map showing appropriate buffers in accordance with section 3.2.1 (add additional pages if necessary)

Area Number	Area (acres)	Application Rate (tons/acre) per section 3.2.2	Latitude (decimal)	Longitude (decimal)
089 016.00	3.82	Hay: liquid-43.5, dewatered-15.2; Corn: liquid-97.8, dewatered-34.2	36.4555	83.8796
089 014.00	15.81	Hay: liquid-43.5, dewatered-15.2	36.4578	83.8819
089 011.00	13.85	Hay: liquid-43.5, dewatered-15.2; Corn: liquid-97.8, dewatered-34.2	36.4556	83.8912
089 009.00 (south)	4.00	Hay: liquid-43.5, dewatered-15.2; Corn: liquid-97.8, dewatered-34.2	36.4583	83.8905
078 008.00, 089 010.01	21.37	Hay: liquid-43.5, dewatered-15.2	36.4620	83.8893
089 014.02	7.28	Hay: liquid-43.5, dewatered-15.2	36.4601	83.8825
089 005.00	17.13	Hay: liquid-43.5, dewatered-15.2	36.4552	83.9010

I. **CERTIFICATION:** I certify, under penalty of law, that contaminant concentrations in the biosolids, pathogen reduction, vector attraction reduction, and other quality criteria of the biosolids stated in the regulations have been met or, if appropriate, will be met prior to land application of biosolids. I further certify that other information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my own knowledge as well as the inquiry of the person(s) who manage the system, or those directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief, is true, accurate and complete. I further acknowledge that the facility or generator of biosolids described above is eligible for coverage under TDEC's General Permit for the Land Application of Biosolids. I am aware that there are significant penalties for submitting false information, including possibility of fines and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Name: Walter M. Baird, Jr. **Title:** General Manager

Signature: Walter M. Baird, Jr., GM

Telephone: (423) 907 - 1011 **Date Signed:** 10 6 2014

NOTE: In evaluating NOI forms, TDEC may request additional information to complete its review to determine the eligibility for coverage under TDEC's General Permit.

Submit the original completed and signed form to *Water.Permits@tn.gov* or:
Biosolids NOI Processing - Division of Water Resources
William R. Snodgrass - Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor
Nashville, TN 37243-1102

Attachment 2A

2A

LANDOWNER CONSENT FOR BIOSOLIDS APPLICATION

The undersigned hereby agrees to the application of biosolids by the LaFollette Utilities Board (LUB) at application rates in accordance with applicable laws and regulations.

OWNER Name: Gary Bostic

ADDRESS: 653 Cross Valley Rd.

PHONE: 423-907-0284

PROPERTY LOCATION(S): 653 Cross Valley Rd. 647 Cross Valley Rd 747 Cross Valley Rd.

TOTAL ACRES: 30 COUNTY: Campbell

1. I understand that LUB will coordinate biosolids deliveries with me or my representative.
2. I agree to allow LUB and federal, state, and local regulator staff to access my land for the purposes of permitting the site, inspecting the site, applyi g biosolids, obtaining samples from the site and testing. I reserve the right to ask the above parties for proper identification at any time.
3. I understand that the following condition apply to my land following biosolids applications and will be responsible for following these conditions where applicable:
   a. Animals shall not be grazed on the land for 30 days after the application of biosolids.
   b. Food crops, feed crops and fiber crops whose edibl parts do not touch the surface of the soil shall not be harvested for 30 days after ap lication of biosolids.
   c. Food crops with harvested parts that touch the bios lids/soil mixture and are totally above the ground shall not be harvested for 14 months after the application of biosolids.
   d. Food crops with harvested parts below the surface c the land shall not be harvested for 20 months after the application of biosolids wh en the biosolids remain on the land surface ≥ 4 months prior to incorporation into ne soil, or 38 months when the biosolids remain on the land surface <4 months pri r to incorporation.
   e. Turf grown on land where biosolids are applied sh all not be harvested for 1 year after application of biosolids when the harvested tur is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.
   f. Public access to land with a low potential for public exposure (e.g. private farmland) shall be restricted for 30 days after biosolids applica tion. Public access to land with a high potential for public exposure (e.g. parks, play grounds, and golf courses) shall be restricted for 1 year after biosolids application.
4. The term of this Consent shall continue until written notific ation is given by either party to terminate this agreement.
5. I certify that I am holder of legal title to the above describe d property or am authorized by the holder to give consent for the land application of b osolids and that there are no restrictions to the granting of consent under this form.

Gary Bostic — 4/12/12

OWNER SIGNATURE (If signing as a representative, include title) DATE

1.0 SITE DESCRIPTION

1.1 Existing Site Conditions

There are two properties for which permission to apply biosolids are being sought:
The first is parcel 062 005.00, with a calculated acreage of 23.00 acres. This property is zoned for agriculture, and is used as a pasture. Being a pasture, the site is fenced all around, and divided internally by fencing. The property is bordered by an unnamed tributary of Dossett Creek, Cross Valley Road, and other residential and agricultural properties. There is a farm pond on the property and a drainage ditch also.
The second property is parcel 062 128.00, with a deeded acreage of 11.93 acres. This property is also zoned for agriculture and is used as a hayfield. The site is fenced on three sides, but open to Henley Road, which runs along one side. The site is bordered on the other three sides by Fincastle Road, and agricultural and residential properties.
There are no known wells within a quarter mile of either site. There are no known sinkholes on either site. Ground and surface water will not be affected by application in these areas as buffer zones and Best Management Practices shall be utilized.

1.2 Site History

Both properties have previously had biosolids applied. Records of the applications from the year 2000 through 2005 are shown in the tables below. The last time biosolids were applied to either site was 2005. Since that time the property owner has been purchasing commercial fertilizer for the land.
The pasture has been and will continue to be used as pasture, with hay harvested twice a year. The hayfield has been and will continue to be used as a hayfield, with hay harvested twice a year. The approximate yield for each site is 50 tons/year.

Bostic Pasture	
Year	Dry Tons Applied
2005	81.89
2004	1.29
2003	67.36
2002	56.31
2001	42.65
2000	40.28

Bostic Hayfield	
Year	Dry Tons Applied
2005	No record
2004	No record
2003	No record
2002	No record
2001	14.76
2000	4.38

2.0 LAND APPLICATION PROCEDURE

2.1 Application Area

Biosolids shall be applied only to the areas of the Bostic pasture and hayfield as designated on sheets 2 and 3 in the Attachment. Setbacks shown reflect those listed in Table 1 of the TDEC Guidelines for the Application and Surface Disposal of Biosolids. Biosolids shall not be placed within the setbacks. Biosolids shall not be placed on land with slope greater than 15%. Liquid biosolids shall be applied to any area with slope less than 15%. Dewatered biosolids shall be applied only to areas with slope less than 8%.

2.2 Application method

For liquid application, the biosolids shall be transported and spread by LUB employees via a

tandem axel tanker truck. The truck is owned by LUB and has a capacity of 3,000 gallons. Application shall be achieved by way of a valve header on the rear of the truck which spreads the liquid.
Dewatered biosolids shall be transported by LUB dump trucks, equipped to prevent loss of biosolids by leakage, and covered to prevent biosolids from blowing out of the truck. Upon arrival to the Bostic pasture, Gary Bostic, Lynn Bostic or a representative shall spread the dewatered biosolids using a conventional manure spreader. The biosolids shall be spread within seven days of delivery by LUB.

To ensure compliance with the agronomic loading rate (Attachment 5), the application rate shall be determined by weight as follows:

Liquid weight (lbs): (Volume in truck in MG)x(concentration in mg/L)x(8.34)
Dry weight (lbs): (Volume in truck in MG)x(concentration in mg/L)x(8.34)x(%solids)

Biosolids shall be applied in compliance with EPA 40 CFR 503 Subpart B.

INSTRUMENT NORTH

0 400 800

SCALE: 1" = 400'

LEGEND:

- EXISTING BUILDING
- PROPOSED SITES
- EXISTING RIGHT-OF-WAY/PROPERTY LINE
- 1/4 MILE BOUNDARY
- EXISTING TREES
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- CREEK/POND

NOTES:

1. PROPERTIES CONCERNED REFLECT PARCELS 062 005.00 & 062 128.00 FROM THE CAMPBELL COUNTY CLT MAP 062.
2. OWNER: GARY BOSTIC
   653 CROSS VALLEY ROAD
   LAFOLLETTE, TN 37766

FULGHUM MACINDOE & ASSOCIATES, INC.
10310 HARDIN VALLEY ROAD
SUITE 201
KNOXVILLE, TN 37932
OFFICE: 865.690.8419
FAX: 865.690.8448
www.fulghummacindoe.com

BOSTIC FIELDS
LAND APPLICATION OF BIOSOLIDS
LAFOLLETTE, TENNESSEE 37766

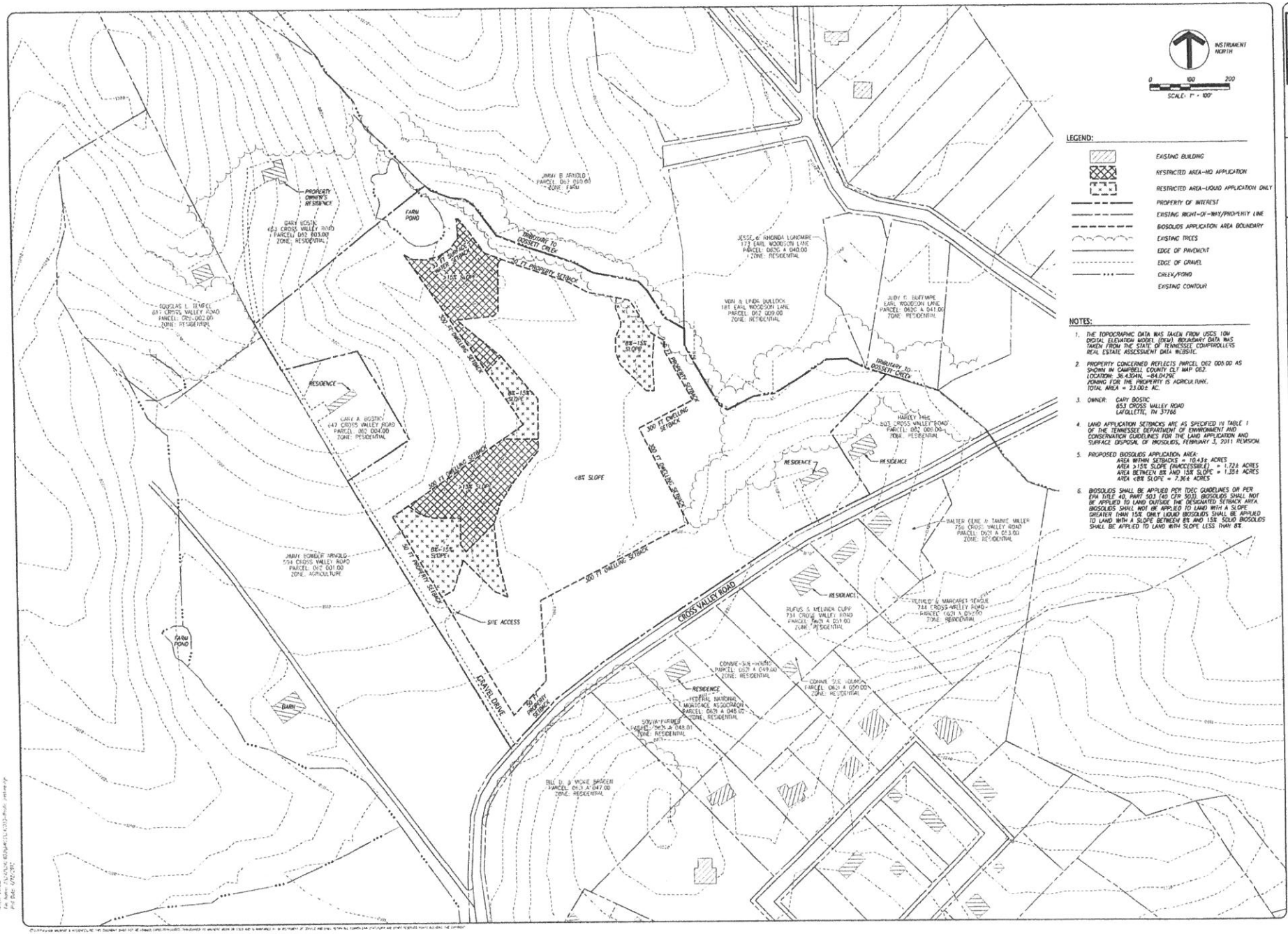
LYNN & GARY BOSTIC
653 CROSS VALLEY ROAD
LAFOLLETTE, TN 37766
TELEPHONE NO.: 423.871.0853

OVERALL MAP

No.	Revision/Issue	Date
A	ISSUED FOR REVIEW	3/16/12

PROJ. MGR. WSH | DESIGNED BY ADC | DRAWN BY ADC

Project 242.033
Date 3/16/12
Scale 1"=400'
Sheet 1



FULGHUM MACINDOE & ASSOCIATES, Inc.
10310 HARDIN VALLEY ROAD
SUITE 201
KNOXVILLE, TN 37932
OFFICE: 865.690.6419
FAX: 865.690.6448
www.fulghummacindoe.com

BOSTIC FIELDS
LAND APPLICATION OF BIOSOLIDS
LAFOLLETTE, TENNESSEE 37766

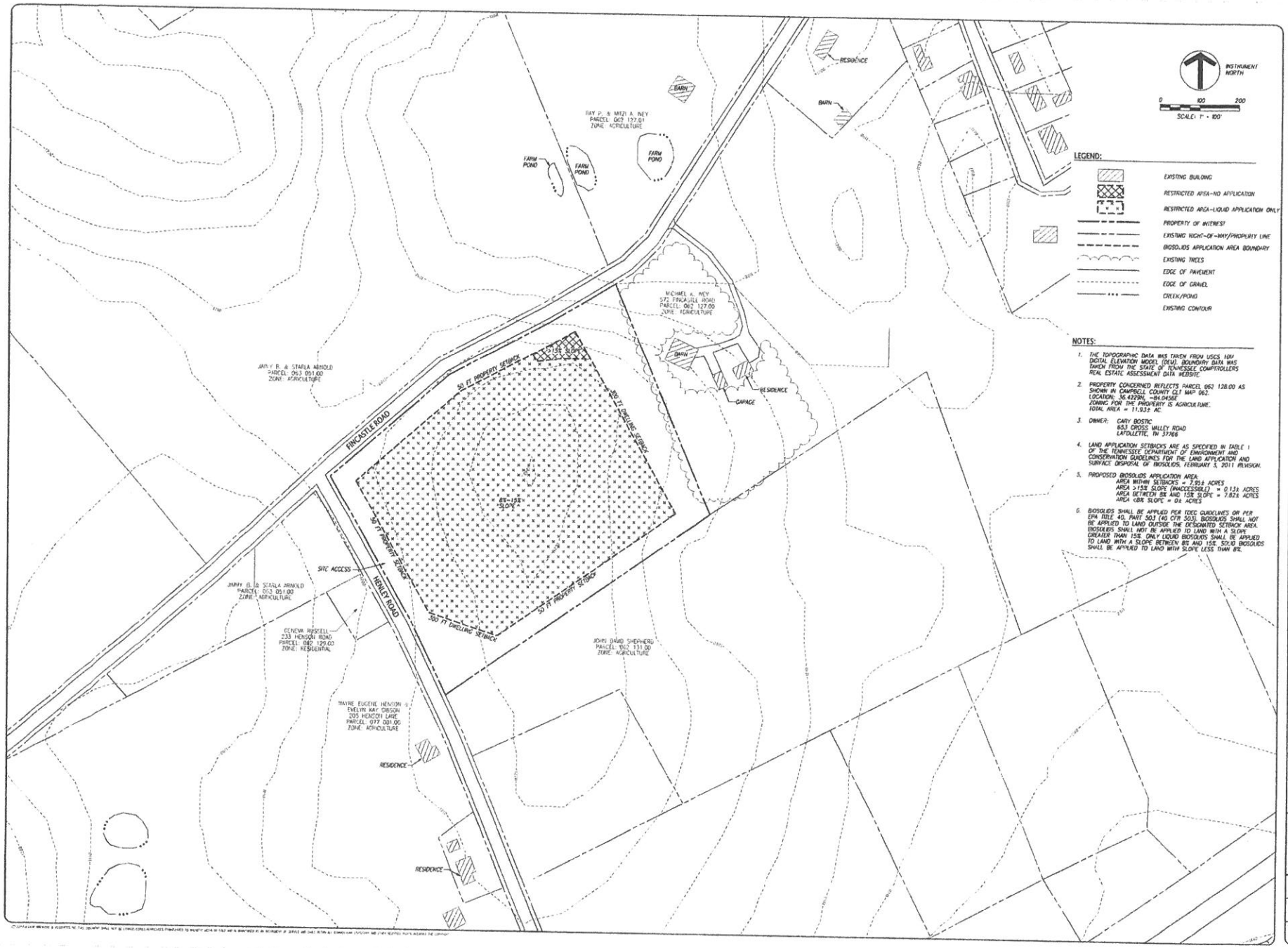
GARY BOSTIC
653 CROSS VALLEY ROAD
LAFOLLETTE, TN 37766
TELEPHONE NO.: 423.871.0853

BOSTIC PASTURE

No.	Revision/Issue	Date
1	ISSUED FOR REVIEW	3/16/12

DESIGNED BY: ADC
DRAWN BY: ADC
CHECKED BY: JGM

Project: 242.033
Date: 3/16/12
Scale: 1"=100'
Sheet: 2



FULGHUM MACINDOE & ASSOCIATES, INC.
10338 HARDIN VALLEY ROAD
SUITE 201
KNOXVILLE, TN 37932
OFFICE: 865.690.6419
FAX: 865.690.6446
www.fulghummacindoe.com

BOSTIC FIELDS
LAND APPLICATION OF BIOSOLIDS
LAFOLLETTE, TENNESSEE 37766

LYNN & GARY BOSTIC
653 CROSS VALLEY ROAD
LAFOLLETTE, TN 37766
TELEPHONE NO.: 423.871.0853

BOSTIC HAYFIELD

No.	Revision/Issue	Date
1	ISSUED FOR REVIEW	5/16/12

PROJ. MGR. WDM | DESIGNED BY ADC | DRAWN BY ADC | CHECKED BY

Project 242.033
Date 5/16/12
Scale 1"=100'
Sheet 3

State of Tennessee
Department of Environment and Conservation
Knoxville Environmental Field Office
3711 Middlebrook Pike
Knoxville, Tennessee 37921-6538
Phone (865) 594-6035 Statewide 1-888-891-8332 FAX (865) 594-6105

July 3, 2012

Mr. Kenny Baird, General Manager
Lafollette Utilities Board
P. O. Box 1411
Lafollette, Tennessee 37766

RE: Approval of Land Application of LUB Municipal Sludge Submittal for two farms in Campbell County belonging to Mr. Delain Williams and Mr. Gary Bostic

LA07.TN-CA-1
LA07.TN.CA-2

Dear Mr. Baird:

Fulghum Macindoe & Associate, Inc., (F&M) has submitted a request to the Division of Water Pollution Control for the approval of land application of municipal sludge from the Lafollette Utilities Board's Lafollette Wastewater Treatment Plant. This approval is based on land application of biosolids by Lafollette Utilities or by Mr. Bostic and Mr. Williams, under the strict supervision of the Lafollette Utilities Board.
The following information has been provided by F&M:

1. Land application site map showing the area involved.
2. Method of sludge spreading.
3. Evaluation of approximately 46.4 acres of farmland of which about 32.73 acres were found to be suitable for land application.
4. Sludge analyses dated April 6, 2012.

The crop usage proposed for the application site is tall fescue hay (pasture and hayfield). On the basis of crop usage and sludge data submitted by Synagro, the application rate for the sites is set at no more than 4.0 tons (dry weight) biosolid per acre per the agronomic loading rate. This approval is granted for five years from the date of this letter.

The application rate and the length of site use must be adjusted if changes occur in sludge characteristics, or if the site is to be used for other purposes. Any necessary adjustment will require written notification to this Division.

The Division has reviewed the submitted information and found that it meets the minimum requirements for the Land Application of Municipal Sludge. As a part of our review, we also conducted a site inspection. The observed site's hydrologic conditions indicate that the site is suitable for land application of municipal biosolids. Please note the restrictions which must be observed in the operation. Specifically, limitation on land application must be observed in regard to dwellings, public roads, springs, wells and other water bodies. Sludge must not be applied when the ground is frozen, snow covered or saturated with moisture.

Land application of municipal biosolids shall be practiced in accordance with the land application guidelines, dated December 2000, recognizing the potential health problems that could develop with improper operation of the sludge-spreading site. Operations and site activities shall be conducted in a manner that will prevent nuisance complaints.

An Annual Report shall be submitted no later than February 19 of each year to the Knoxville Environmental Assistance Center, Division of Water Pollution Control, as well as to our Nashville office, Water Pollution Control Sludge Coordinator. The following information must be included:

1. Sludge Monitoring Data.
2. On-Site Monitoring Data.
3. Sludge Application Data.
4. Any other monitoring data collected relating to this site.

Should you have any comments or questions, please do not hesitate to call me at (865) 594-5591.

Sincerely yours,

Hassan A. Sanaat

cc: Campbell County Health Department
Municipal Facility Section, DWPC, Nashville
Mr. Gary Bostic
Mr. Delain Williams
Mr. Aaron Crenshaw, FM & Associates

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Resources
William R. Snodgrass - Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243-1102

MR. MARK SKEEN
INTERIM WASTEWATER SUPERVISOR
e-copy: mtskeen@gmail.com
412 PLEASANT RIDGE ROAD
LA FOLLETTE, TN 37766

General SOP for the Land Application of Non-Exceptional Quality Biosolids Notice of Coverage Fact Sheet

The Division of Water Resources received from your company a Notice of Intent (NOI) to be covered under the General State Operating Permit for the Land Application of Non-Exceptional Quality Biosolids (Biosolids GP). **We have recorded site information and are hereby notifying you that this groundwater remediation site is covered under the Biosolids GP.**

Enclosed with this fact sheet you will find a Notice of Coverage (NOC) with the permit tracking number (TNB020532), facility's name, address and other relevant information associated with your facility/site. In order to get a copy of the Biosolids GP requirements we ask you to visit our web site: http://www.tn.gov/environment/permits/.

We will provide you with a printed copy of the Biosolids GP only upon your request.

If you do not have access to the web, or have other questions, call us at (888) 891-TDEC or contact me by E-mail at *Robert.Odette@tn.gov*.

Thank you for your time and assistance.

Sincerely,

Robert O'Dette
State Biosolids Coordinator

cc: Division of Water Resources - Permit File & Knoxville EFO

STATE OF TENNESSEE

OPERATING PERMIT

Tracking No. TNB020532

NOTICE OF COVERAGE

under the General State Operating Permit for the

LAND APPLICATION OF NON-EXCEPTIONAL QUALITY BIOSOLIDS

Tennessee Department of Environment and Conservation
Division of Water Resources
William R. Snodgrass - Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243-1102

Under authority of the Tennessee Water Quality Control Act of 1977 (T.C.A. 69-3-101 et seq.) and the delegation of authority from the United States Environmental Protection Agency under the Federal Water Pollution Control Act, as amended by the Clean Water Act of 1977 (33 U.S.C. 1251, et seq.):

Permittee: **Lafollette STP**

is authorized: to land apply non-exceptional quality biosolids

generated at a site located at: **412 Pleasant Ridge Road** in **LaFollette, Campbell County**

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

Coverage under this general permit shall become effective on **July 25, 2014**

and shall expire on **April 30, 2019**

Notice of Coverage issued: **July 25, 2014**

Information and links to the Biosolids General Permit can be found at:
http://www.tn.gov/environment/permits/