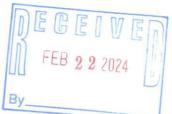


DEPARTMENT OF ENVIRONMENT AND CONSERVATION DIVISION OF WATER RESOURCES William R. Snodgrass - Tennessee Tower 312 Rosa L. Parks Avenue, 11th Floor Nashville, Tennessee 37243-1102 (615) 532-0625



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

Ger Nar	ne: Dyersburg STP	Current NPDES No: TN0023477 Existing Tracking No: LA23A0001					
Owr	her or Operator: (the person or legal entity which controls the site's operat	ion)	122200				
	Name of Official Contact Person: (individual responsible for a site) John Holden	Title or Position: Mayor					
1	Mailing Address: PO Box 1358	City: Dyersburg	State: TN	^{Zip:} 38024			
	Phone:)731-286-7600	E-mail: jholden@dyersburgtn.gov					
	Name of Local Contact Person: (if appropriate, write "same as #1") Anthony White, II	Title or Position: Superintendent, WWTP					
2	Site Address: (this may or may not be the same as street address) 2000 Honeydew Lane	Site City: Dyersburg	TN TN	^{Zip:} 38024			
	Phone:)731-286-7626	E-mail: twhite@dyersburgtn.gov					
	Write in the box (to the righ	t) or circle the number (above) to indicate	where to send correspon	ndence: T. White			

All non-exceptional 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).

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

E.		RACTION RED	UCTION LEVEL ACHI	EVED: Indicate the option used	to achieve the	vector attraction
	requirements prio	ctor attraction r	eduction Options 1 - 5 i			athogen reduction
	Provide a detailed	description of th		on treatment process. Attach la traction reduction is being achie		ical and/or process
Aer	obic Digestion-	- See attachr	nent.			
F.				was not performed, indicate how	the vector attra	action reduction
	Option 9 (Sul		art of the land application on)	Deption 10 (Incorporation	n)	
G.				ids sampling plan as specified i thogen reduction, and vector att		
0	Laboration (sector)			mogen reduction, and vector an	raction reduction	on quanty criteria.
25	ampling p	lan atta	chea.			
H.				application area(s) that will b		
	Area Number	Area (acres)	Application Rate (tons/	ance with section 3.2.1 (add add acre) per section 3.2.2	Latitude	Longitude
	1				(decimal)	(decimal)
	1	115	Agronomic loading rate calculated quar	erly and adjusted depending on crop to be grown.	36 01' 30"	89 24' 45"
I.	CEDTIELCATIC	N. Leontific u	nder repetty of law that	contaminant concentrations in t	ha hisaalida a	
	vector attraction r will be met prior were prepared un properly gathered person(s) who ma the best of my kn biosolids describe aware that there a	reduction, and oth to land application ader my direction d and evaluated anage the system nowledge and be ed above is eligibure significant pe ns. As specified	her quality criteria of the b on of biosolids. I further of n or supervision in accord the information submitted , or those directly respon- lief, is true, accurate and ole for coverage under TD nalties for submitting false	biosolids stated in the regulations bertify that other information in the dance with a system designed to d. Based on my own knowled sible for gathering the informati complete. I further acknowledg EC's General Permit for the Lar e information, including possibilition totated Section 39-16-702(a)(4)	s have been met this document a to assure that of ge as well as on, the informa- ge that the facil ad Application lity of fines and	t or, if appropriate, and all attachments qualified personnel the inquiry of the ation submitted, to ity or generator of of Biosolids. I am I imprisonment for
	_{Name:} John I	Holden	101	Title: Mayor		
	Signature:	John 1	fldm			
NOT	Telephone: (13)		And the second se	Date Signed:/_	14,202	\$ (2024)
1101		rior ionnis, i Di	EC may request additiona	l information to complete its re-	view to determ	ine the eligibility f
	rage under TDEC's			l information to complete its re-	view to determ	ine the eligibility f

William R. Snodgrass - Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor Nashville, TN 37243-1102

FEB 2 202366

B. Biosolids Treatment Process

The Dyersburg wastewater Treatment Plant is a two-stage activated sludge process. Treatment includes primary, intermediate and final clarifiers. Return activated sludge from the intermediate and final clarifiers is returned to the head of the treatment process so that all sludge is routed to the primary clarifiers.

All sludge wasting is done from the primary clarifiers, producing a sludge that is a combination primary and waste activated sludge.

The wasted sludge or biosolids goes first to aerobic digestion. There are three aerobic digestion basins that operate in parallel which are provided with coarse bubble diffused aeration. The digesters provide a forty day retention time prior to land application.

There is normally a 40 % reduction in volatile solids during aerobic digestion, but this is not the alternative shown for Vector Attraction Reduction. After digestion, biosolids at 3.5% solids are pumped to a trailer specifically designed for land application, which, in this case, is a site immediately adjacent to the WWTP. The biosolids are injected below the ground surface when applied to the designated land area.

Biosolids Sampling Plan

Tennessee Rules and Regulations, 0400-40-15-.02 Table 1

Frequency of Monitoring	-Land Application
Amount of Biosolids ¹ (metric tons per calendar year)	Frequency
Greater than 0 but less than 290	Once per year
Equal to or greater than 290 but less than 1,500	Once per quarter (4 times per year)
Equal to or greater than 1,500 but less than 15,000	Once per 60 days (6 times per year)
Equal to or greater than 15,000	Once per month (12 times per year)

Table 1

¹ Either the amount of bulk biosolids applied to the land or the amount of biosolids prepared for sale or give-away in a bag or other container for application to the land (dry weight basis).

Note: 290 dry metric tons would be 7.67 MG of sludge at 1% total solids.

Containers: Preferred containers are Teflon, glass or stainless steel, plastic, steel or aluminum may be used, but galvanized coatings are to be avoided because they can release zinc into the sample. Containers are thoroughly cleaned using standard lab glassware cleaning processes.

Nine Metals and Four Nitrogens

Early in the Monitoring Period or prior to a hauling event, a sample will be collected from the digester with aeration operating fully in order to have a well-mixed digester. A clean dipper is used to collect multiple aliquots that are composited in the laboratory provided container. Aliquots are collected over at least 15 minutes while the digester is mixing.

Fecal Coliform Testing

Early in the Monitoring Period or prior to a hauling event, seven samples are collected over a two week period of time. Each sample is collected in the laboratory provided container using sterile technique.

Fecal Coliform Testing, Follow-up

Subsequent hauling events will include a single Fecal Coliform sample prior to hauling.

Specific Oxygen Uptake Rate (SOUR) Testing

Prior to a hauling event duplicate SOUR tests will be conducted on the fully stabilized sludge. From a thoroughly mixing digester a sample of about 1 L is collected in a clean container and analyzed immediately. The duplicate test will be analyzed using a fresh sample.



CITY OF DYERSBURG HONEYDEW LANE APPLICATION SITE Vector Attraction & Pathogen Compliance Log

2023							
Date	Digestor #	Vector Attraction 3.1.3 (a) 38% VS Reduction 3.1.3 (d) (SOUR) 3.1.3 (i) Injection	Pathogen Reduction Appendix C Class B-Alternative 1 (ii) Fecal Count	38% VS Reduction	SOUR ≤ 1.5 mg/o2/hr/g		
01/06/23	3	Injection	900,090				
01/21/23	1	Injection	876,712				
02/06/23	2	Injection	731,620				
04/18/23	3	Injection	575,440				
04/22/23	1	Injection	600,581				
04/29/23	2	Injection	610,540				
08/05/23	3	38% VS Reduction	673,863	66%			
08/15/23	2	38% VS Reduction	1,089,288	66%			
12/02/23	3	Injection	1,047,129				
12/27/23	2	Injection	870,964				



4/14/2023

City of Dyersburg Mr. Rodney Shelton P. O. Box 1358 Dyersburg, TN, 38024

Ref: Analytical Testing Lab Report Number: 23-093-0086 Client Project Description: TCLP/PCB Sludge Testing

Dear Mr. Rodney Shelton: Waypoint Analytical, LLC. received sample(s) on 4/3/2023 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an asreceived basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Randell H. Thomas

Randy Thomas Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.





Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2023
Florida	State Program - NELAP	E871157	06/30/2023
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2023
Illinois	State Program - NELAP	200078	10/10/2023
Kentucky	State Program	80215	06/30/2023
Kentucky	State Program	KY90047	12/31/2023
Louisiana	State Program - NELAP	LA037	12/31/2023
Louisiana	State Program - NELAP	04015	06/30/2023
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2023
North Carolina	State Program	415	12/31/2023
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2023
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2023
Virginia	State Program	00106	06/30/2023
Virginia	State Program - NELAP	460181	09/14/2023



Sample Summary Table

Report Number: Client Project Description:		23-093-0086 TCLP/PCB Sludge Testing	9		
Lab No	Client Sample ID	Matrix	Date Collected	Date Received	
91582	Digester Sludge	Solids	04/03/2023 08:00	04/03/2023	
91583	Digester Sludge	TCLP	04/03/2023 08:00	04/03/2023	





CASE NARRATIVE

Client: City of Dyersburg Project: TCLP/PCB Sludge Testing Lab Report Number: 23-093-0086 Date: 4/14/2023

Separatory Funnel Extraction 8081 Method 3510C

Sample 91583 (Digester Sludge) QC Batch No: L675547/L675547 The weight/volume extracted was reduced during the extraction procedure due to the nature of the sample. Reporting limits are factored for the sample size reduction.

Separatory Funnel Extraction 8270 Method 3510C

Sample 91583 (Digester Sludge) QC Batch No: L675406/L675406 The weight/volume extracted was reduced during the extraction procedure due to the nature of the sample. Reporting limits are factored for the sample size reduction.

High Temp/Pressure Extraction for PCB's Method 3546

Sample 91582 (Digester Sludge) QC Batch No: L675034/L675034

The weight/volume extracted was reduced during the extraction procedure due to the nature of the sample. Reporting limits are factored for the sample size reduction.





Report Number : 23-093-0086	R	EPORT OF ANALYSIS	
P. O. Box 1358 Dyersburg , TN 38024	Information	1:	Received : 04/03/2023
City of Dyersburg Mr. Rodney Shelton	Project	TCLP/PCB Sludge Testing	Report Date : 04/14/2023

Lab No : 91582 Matrix: So Sample ID : Digester Sludge Sampled: 4							Golids 1/3/2023 8:00		
Test	Results	Units	MQL	DF	Date / Time Analyzed	Ву	Analytical Method		
Moisture	97.6	%		1	04/11/23 12:40	JLS	SW-DRYWT		

Qualifiers/ Definitions DF



City of Dyersburg Mr. Rodney Shelton P. O. Box 1358 Dyersburg, TN 38024

Project

TCLP/PCB Sludge Testing

Information :

Report Date : 04/14/2023 Received : 04/03/2023

Report Number : 23-093-0086

REPORT OF ANALYSIS

Lab No : 91582 Sample ID : Digester Sludge

Matrix: Solids Sampled: 4/3/2023 8:00

8082A 3546	Prep Batch(es):	L675034	04/10/23 07:5	0		
Result	s Units	MQL	DF	Date / Time Analyzed	Ву	Analytical Batch
<3.13	mg/Kg - dry	3.13	1	04/13/23 07:17	VIC	L675687
<3.13	mg/Kg - dry	3.13	1	04/13/23 07:17	VIC	L675687
<3.13	mg/Kg - dry	3.13	1	04/13/23 07:17	VIC	L675687
<3.13	mg/Kg - dry	3.13	1	04/13/23 07:17	VIC	L675687
<3.13	mg/Kg - dry	3.13	1	04/13/23 07:17	VIC	L675687
<3.13	mg/Kg - dry	3.13	1	04/13/23 07:17	VIC	L675687
<3.13	mg/Kg - dry	3.13	1	04/13/23 07:17	VIC	L675687
achlorobiphenyl achloro-m-xylene	60.6 60.6			1. 1.		8082A 8082A
	3546 Result <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3.13 <3	3546 Results Units <3.13	3546 Results Units MQL <3.13	3546 Results Units MQL DF <3.13	3546 Results Units MQL DF Date / Time Analyzed <3.13	3546 Results Units MQL DF Date / Time Analyzed By <3.13

Qualifiers/ DF Definitions

Dilution Factor





City of Dyersburg Mr. Rodney Shelton P. O. Box 1358 Dyersburg, TN 38024

Project TCLP/PCB Sludge Testing

Report Date : 04/14/2023 Received : 04/03/2023

Information :

Report Number : 23-093-0086

REPORT OF ANALYSIS

Lab No : 91583	Matrix: TCLP			
Sample ID : Digester Sludge	Sampled: 4/3/2023 8:00			

Analytical Method: 1311

Test	Results	Units	MQL	DF	Date / Time Analyzed	Ву	Analytical Batch
TCLP Metals Extraction	Combined			1	04/10/23 13:00	ALM	L675213
TCLP VOC ZHE Extraction	Combined			1	04/10/23 13:00	ALM	L675197
TCLP SVOC Extraction	Combined			1	04/10/23 13:00	ALM	L675213
TCLP Pesticide Extraction	Combined			1	04/10/23 13:00	ALM	L675213
TCLP Herbicide Extraction	Combined			1	04/10/23 13:00	ALM	L675213

Analytical Method: 6010D **Prep Method:** 3015A

Prep Batch(es): L675397 04/11/23 11:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	Ву	Analytical Batch
TCLP Arsenic	<0.250	mg/L	0.250	1	04/11/23 16:04	JTR	L675662
TCLP Barium	0.250	mg/L	0.250	1	04/11/23 16:04	JTR	L675662
TCLP Cadmium	<0.0500	mg/L	0.0500	1	04/11/23 16:04	JTR	L675662
TCLP Chromium	<0.100	mg/L	0.100	1	04/11/23 16:04	JTR	L675662
TCLP Lead	<0.100	mg/L	0.100	1	04/11/23 16:04	JTR	L675662
TCLP Selenium	<0.500	mg/L	0.500	1	04/11/23 16:04	JTR	L675662
TCLP Silver	<0.0500	mg/L	0.0500	1	04/11/23 16:04		L675662

Qualifiers/ Definitions

Dilution Factor

DF



03319 City of Dyersburg	Proje	ect TCLP/PCE	3 Sludge Testing	g				
Mr. Rodney Shelton P. O. Box 1358 Dyersburg, TN 38024	Info	rmation :						Date : 04/14/202 eived : 04/03/202
Report Number : 23-093-0086		REPORT OF	ANALYSIS					
Lab No : 91583 Sample ID : Digester Sludge						Matrix: Sampled:		023 8:00
Analytical Method: 7470A Prep Method: 7470A		Prep Batch(es):	L675539	04/12/23	8 07:5	5		
Test	Results	Units	MQL		DF	Date / Time Analyzed	Ву	Analytical Batch
TCLP Mercury	<0.0200	mg/L	0.0200		1	04/12/23 13:19	FDS	L675724
Analytical Method: 8081B		Prep Batch(es):	L675547	04/11/23	3 17:0	0		
Prep Method: 3510C Test	Results	Units	MQL		DF	Date / Time Analyzed	Ву	Analytical Batch
TCLP Chlordane	<0.04000	mg/L	0.04000		10	04/13/23 07:44	VIC	L675962
TCLP Endrin	<0.008000	mg/L	0.008000		10	04/13/23 07:44	VIC	L675962
TCLP gamma-BHC	<0.008000	mg/L	0.008000		10	04/13/23 07:44	VIC	L675962
TCLP Heptachlor	<0.008000	mg/L	0.008000		10	04/13/23 07:44	VIC	L675962
TCLP Heptachlor Epoxide	<0.008000	mg/L	0.008000		10	04/13/23 07:44	VIC	L675962
TCLP Methoxychlor	<0.008000	mg/L	0.008000		10	04/13/23 07:44	VIC	L675962
TCLP Toxaphene	<0.06000	mg/L	0.06000		10	04/13/23 07:44	VIC	L675962
Surrogate: Decachlorobiphenyl		102.6	Limits:	36-116%		10 04/13/23 07:4	44 VIC	L675962
Surrogate: Tetrachloro-m-xylene		61.95	Limits:	25-123%		10 04/13/23 07:4	44 VIC	L675962
Analytical Method: 8151A Prep Method: 8151A		Prep Batch(es):	L675557	04/11/23	3 19:0	0		
Test	Results	Units	MQL		DF	Date / Time Analyzed	Ву	Analytical Batch
TCLP 2,4-D	<0.0200	mg/L	0.0200		1	04/13/23 21:48	VIC	L676257
TCLP 2,4,5-TP (Silvex)	<0.0020	mg/L	0.0020		1	04/13/23 21:48	VIC	L676257
Surrogate: DCAA		97.80	Limits:	20-120%		1 04/13/23 21:4	48 VIC	L676257
Qualifiers/ DF Dilution Fa	actor			MQL	М	ethod Quantitatio	n Limit	



03319 City of Dyersburg Mr. Rodney Shelton P. O. Box 1358 Dyersburg , TN 38024

Project

TCLP/PCB Sludge Testing

Information :

Report Date : 04/14/2023 Received : 04/03/2023

Report Number : 23-093-0086

REPORT OF ANALYSIS

Lab No : **91583** Sample ID : **Digester Sludge** Matrix: TCLP Sampled: 4/3/2023 8:00

Analytical Method:	8260B 5030B		Prep Batch(es):	L675594	04/11/23 07:49	9		
Prep Method: Test	50306	Results	Units	MQL	DF	Date / Time Analyzed	Ву	Analytical Batch
TCLP Benzene		<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
TCLP Carbon Tetrachlo	ride	<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
TCLP Chlorobenzene		<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
TCLP Chloroform		<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
TCLP 1,4-Dichlorobenz	ene	<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
TCLP 1,2-Dichloroetha	ne	<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
TCLP 1,1-Dichloroether	ne	<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
TCLP Methyl Ethyl Keto	one (MEK)	<0.200	mg/L	0.200	1	04/11/23 11:58	ELM	L675595
TCLP Tetrachloroethen	e	<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
TCLP Trichloroethene		<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
TCLP Vinyl Chloride		<0.0100	mg/L	0.0100	1	04/11/23 11:58	ELM	L675595
Surrogate: 4-B	romofluorobenzene		100	Limits: 7	71-137%	1 04/11/23 11:5	58 ELM	L675595
Surrogate: Dib	romofluoromethane		97.6	Limits: 7	70-128%	1 04/11/23 11:5	58 ELM	L675595
Surrogate: 1,2-	Dichloroethane - d4		121	Limits: 6	53-136%	1 04/11/23 11:5	58 ELM	L675595
Surrogate: Tolu	uene-d8		103	Limits: 7	70-130%	1 04/11/23 11:5	58 ELM	L675595
Analytical Method:	8270D		Prep Batch(es):	L675406	04/11/23 11:00	D		
Prep Method:	3510C							
Test		Results	Units	MQL	DF	Date / Time Analyzed	Ву	Analytical Batch

				Analyzed	Batch
TCLP 2-Methylphenol	<0.0250	mg/L	0.0250	1 04/11/23 19:46 VBW	L675553
TCLP 3&4 Methylphenol	<0.0250	mg/L	0.0250	1 04/11/23 19:46 VBW	L675553
TCLP 2,4-Dinitrotoluene	<0.0250	mg/L	0.0250	1 04/11/23 19:46 VBW	L675553

Qualifiers/ Definitions Dilution Factor

DF

MQL Method Quantitation Limit



City of Dyersburg Mr. Rodney Shelton P. O. Box 1358 Dyersburg , TN 38024

Project

TCLP/PCB Sludge Testing

Information :

Report Date : 04/14/2023 Received : 04/03/2023

Report Number : 23-093-0086

REPORT OF ANALYSIS

Lab No : **91583** Sample ID : **Digester Sludge**

Matrix: TCLP Sampled: 4/3/2023 8:00

Analytical Method: 8270D		Prep Batch(es):	L675406 04/11/	23 11:00	C		
Prep Method: 3510C							
Test	Results	Units	MQL	DF	Date / Time Analyzed	Ву	Analytical Batch
TCLP Hexachlorobenzene	<0.0250	mg/L	0.0250	1	04/11/23 19:46	VBW	L675553
TCLP Hexachlorobutadiene	<0.0250	mg/L	0.0250	1	04/11/23 19:46	VBW	L675553
TCLP Hexachloroethane	<0.0250	mg/L	0.0250	1	04/11/23 19:46	VBW	L675553
TCLP Nitrobenzene	<0.0250	mg/L	0.0250	1	04/11/23 19:46	VBW	L675553
TCLP Pentachlorophenol	<0.0500	mg/L	0.0500	1	04/11/23 19:46	VBW	L675553
TCLP Pyridine	<0.0500	mg/L	0.0500	1	04/11/23 19:46	VBW	L675553
TCLP 2,4,5-Trichlorophenol	<0.0250	mg/L	0.0250	1	04/11/23 19:46	VBW	L675553
TCLP 2,4,6-Trichlorophenol	<0.0250	mg/L	0.0250	1	04/11/23 19:46	VBW	L675553
Surrogate: TCLP 2,4,6-Tribromoph	enol	62.5	Limits: 42-102	%	1 04/11/23 19:4	46 VBW	L675553
Surrogate: TCLP 2-Fluorobiphenyl		60.5	Limits: 24-86%)	1 04/11/23 19:-	46 VBW	L675553
Surrogate: TCLP 2-Fluorophenol		29.7	Limits: 13-37%)	1 04/11/23 19:4	46 VBW	L675553
Surrogate: TCLP 4-Terphenyl-d14		65.0	Limits: 30-1229	%	1 04/11/23 19:4	46 VBW	L675553
Surrogate: TCLP Nitrobenzene-d5		63.0	Limits: 25-78%)	1 04/11/23 19:4	46 VBW	L675553
Surrogate: TCLP Phenol-d6		19.2	Limits: 9-27%		1 04/11/23 19:4	46 VBW	L675553

Qualifiers/ DF Dilution Factor Definitions

MQL

Method Quantitation Limit



Shipment	Receip	pt Form
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Customer Number	: 03319					
Customer Name: Report Number:	City of Dyersbur 23-093-0086	g				
		Shippin	g Method			
		0	9			
 ○ Fed Ex ○ UPS 	 US Postal Client 	 ◯ Lab ◯ Couri 	or	Other : Thermometer ID:		
0 UF3	Client	OCouri	er	Thermometer ID:	Т99	
Shipping container/	cooler uncomprom	ised?	• Yes	◯ No		
Number of coolers/	boxes received		1			
Custody seals intac	ct on shipping conta	iner/cooler?	⊖ Yes	◯ No	Not Pr	resent
Custody seals intac	ct on sample bottles	?	◯ Yes	◯ No	Not Pr	resent
Chain of Custody (COC) present?		Yes	◯ No		
COC agrees with s	ample label(s)?		• Yes	◯ No		
COC properly comp	pleted		• Yes	◯ No		
Samples in proper	containers?		Yes	◯ No		
Sample containers	intact?		• Yes	◯ No		
Sufficient sample v	olume for indicated	test(s)?	• Yes	⊖ No		
All samples receive	ed within holding tim	ie?	• Yes	⊖ No		
Cooler temperature	in compliance?		• Yes	◯ No		
	rived at the laborato sidered acceptable		• Yes	◯ No		
Water - Sample con	ntainers properly pr	eserved	⊖ Yes	◯ No	N/A	
Water - VOA vials f	ree of headspace		⊖ Yes	◯ No	N/A	
Trip Blanks receive	d with VOAs		⊖ Yes	◯ No	N/A	
Soil VOA method 5	035 – compliance d	riteria met	◯ Yes	◯ No	N/A	
High concentrat	ion container (48 h	r)	Lov	v concentration EnC	ore samplers (48 hr)
High concentrat	ion pre-weighed (m	ethanol -14 c	l) Lov	v conc pre-weighed	vials (Sod Bis -	14 d)
Special precautions	s or instructions incl	uded?	⊖ Yes	No		
Comments:						
Signature	: Summer Harriso	n	Date	& Time: 04/03/202	3 11:14:02	

Waypoint W

2790 Whitten Road, Memphis, TN 38133 Main 901.213.2400 ° Fax 901.213.2440 www.wavpointanalytical.com

Kit ID:	202	922	CH	AIN-OF-CU	STOD	1		ſ	
Initiated	By: Cor	nie Coo	k						DEGEIVE
Initiated	Date: 2/1	4/2023							FEB 2 2 2024
Project C	omment								
									Bv
Company N	lame		Company Number		Client	Project	Manager/Contact		order Number
City of Dyers	burg		03319		Mr. Mik	Lo da	3 Shelter		
Site Name			Project Number	r Method of Shipment		of Shipment			
									x UPS USPS
Digester Sluc	ize						ection Limits(s)		er Client Drop Off
LIMS Projec	-		Project Manager Pho			esults N		Other	114-10-#
LINIS Projec			Project Manager Pho	ne #			ger Email	Site/Faci	lity ID #
Dyersburg - 1	TCPLP/PCB Te	esting			mgoff@		urgtn.gov		
Date	Time		Sample ID	Matrix	Grab/ Comp	# of Cont	Container Type	Preservation	Analyses
4(3023	0800	Digester	Sludge	Solids	Comp	1	Glass Clear - Quart	NONE	Full TCLP
4/3/23	5800	Digester	Sludge	SOL	Comy	1	Glass - 9oz	NONE	PCB/Moisture



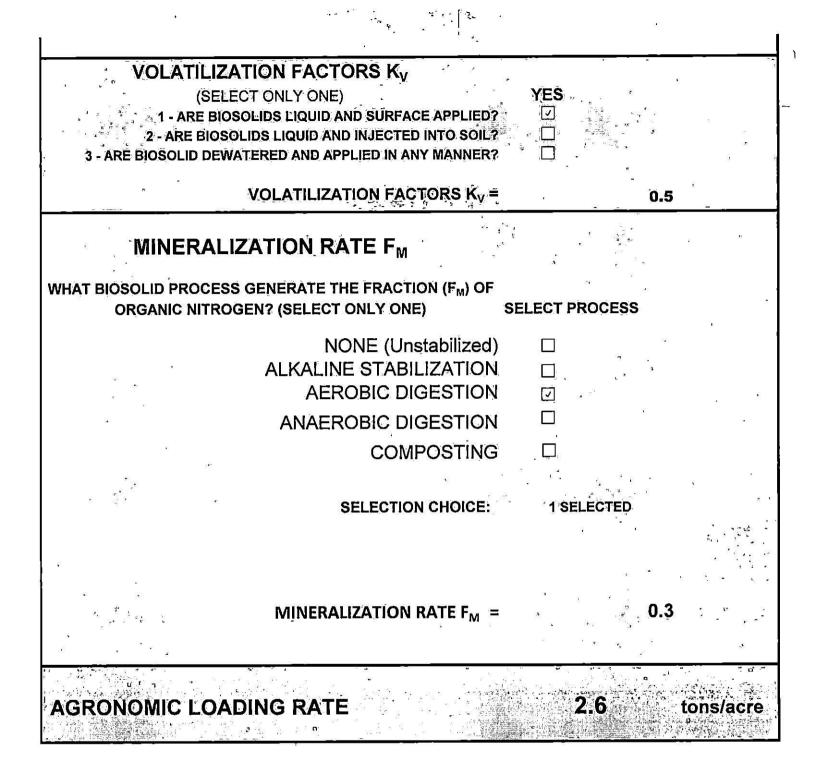
	For Laborate	ory Use Only	Sampled by (Name - Print)	Client Remarks	s/Comments	
Ice	Custody	Lab Comments	Tom White			
	Seals		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Grin	YAN		Tony What	4(3)23 0920	Mark La	4-3 AND 23
			Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Blank/Co	oler Temp		Malling	4-3-27		
2.17	thG		Relinquished by: (SIGNATURE)	Date Time	Beceived by: (SIGNATURE)	Date Time
10.1	34				Un 4/3/2	\$ 1041
				(X/	

Tennessee Department of Environment and Conservation - Division of Water Polluction Control Exhibit B - Agronomic Application Rate Calculations Based on Nitrogen (N) Revision 05/08/14

Q3 Jul thru Sep 2023 North- South & Middle Dig #7 & #8

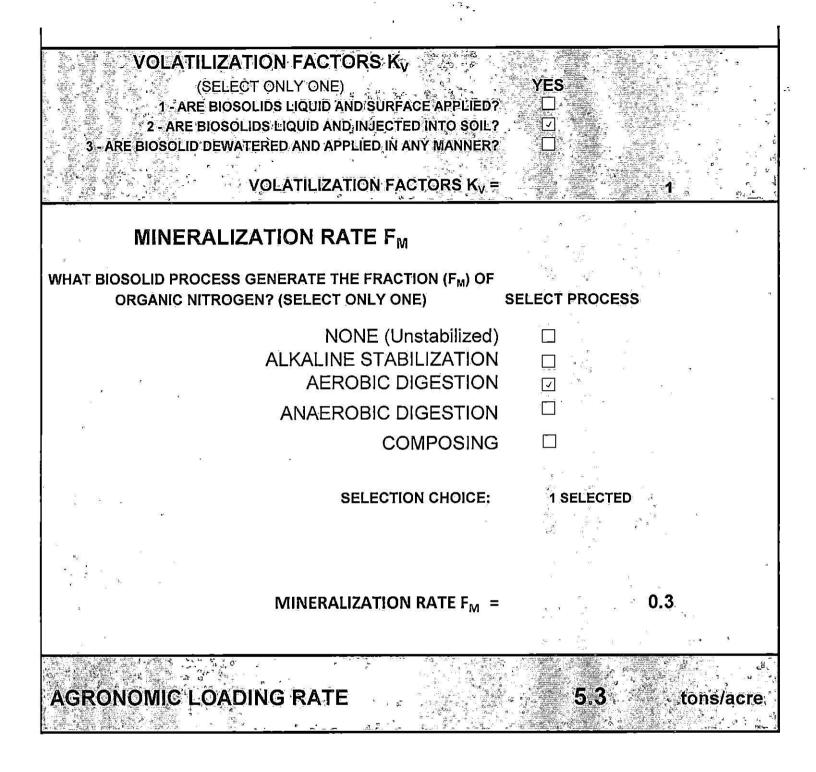
	FILL IN BELC	w
WWTP NAME	City of Dyersburg	
WWTP NPDES PERMIT NUMBER		
	City of Dyersburg STP	
COUNTY		
	Jackson	
SITE TRACKING NUMBER		
	Waypoint Analytical	
DATE OF ANALYSIS		
SLUDGE/BIOSOLID ANALYSIS LABOR (Attached a copy of the laboratory analysis used for thes		1)
TOTAL KJELDAHL NITROGEN (TKN)	50,500	mg/kg
AMMONIUM NITROGEN (NH4-N)		mg/kg
NITRATE + NITRITE NITROGEN (NO ₃ -N + NO ₂ -N)	500	mg/kg
NITROGEN FROM SUPPLEMENTAL FERTILIZERS (If Appropriate))	lbs/acre
NITROGEN FROM IRRIGATION WATER (If Appropriate)		lbs/acre
NITROGEN FROM PREVIOUS CROP (Unless 2 is based on soil testing)		lbs/acre
OTHER (If Appropriate) Specify		lbs/acre
SELECT CROP TYPE (SELECT ONLY ONE)	YES	
 CORN (GRAIN) EXPECT YIELD 100 - 125 BUSHELS CORN (GRAIN) EXPECT YIELD 126 - 150 BUSHELS CORN (SILAGE) EXPECT YIELD 20 TONS SOYBEANS EXPECT YIELD 30 BUSHELS SOYBEANS EXPECT YIELD 40 BUSHELS SOYBEANS EXPECT YIELD 50 BUSHELS SOYBEANS EXPECT YIELD 40 BUSHELS SUMMER ANNUAL GRASS EXPECT YIELD 6 TONS (1 CUTTINGS) HYBRID HAY EXPECT YIELD 8 TONS (4 CUTTINGS) TALL FESCUE HAY EXPECT YIELD 3 TONS (2 CUTTINGS) ORCHARD GRASS HAY EXPECT YIELD 4 TONS (2 CUTTINGS) SORGHUM (GRAIN) EXPECT YIELD 60 BUSHELS 		
 2 - CORN (GRAIN) EXPECT YIELD 126 - 150 BUSHELS 3 - CORN (SILAGE) EXPECT YIELD 20 TONS 4 - SOYBEANS EXPECT YIELD 30 BUSHELS 5 - SOYBEANS EXPECT YIELD 40 BUSHELS 6 - SOYBEANS EXPECT YIELD 50 BUSHELS 7 - WHEAT EXPECT YIELD 40 BUSHELS 8 - SUMMER ANNUAL GRASS EXPECT YIELD 6 TONS (1 CUTTINGS) 9 - HYBRID HAY EXPECT YIELD 8 TONS (4 CUTTINGS) 10 - TALL FESCUE HAY EXPECT YIELD 3 TONS (2 CUTTINGS) 11 - ORCHARD GRASS HAY EXPECT YIELD 40 BUSHELS 		

DECEIVE FEB 2 2 2024 By



Tennessee Department of Environment and Conserva		
Exhibit B - Agronomic Application		on Nitrogen (N vision 05/08/1/
		5 <u></u>
BACKGROUND INFORMATION/QUESTIONS		
	FILL IN BELO	W
WWTP NAME	City of Dyersburg	
WWTP NPDES PERMIT NUMBER	TN0023477	
SITE NAME	City of Dyersburg STP	
COUNTY	Dyer	
°. E.A.C.	Jackson	
SITE TRACKING NUMBER	LA23A0001	
LABORATORY NAME	Waypoint	
DATE OF ANALYSIS		2/6/2
SLUDGE/BIOSOLID ANALYSIS LABOR	ATORY RESULTS	14. 14.14.14.14.14.1 <u>1</u>
		i
(Attached a copy of the laboratory analysis used for thes	e calculations to this report,	l
	10 700	malka
TOTAL KJELDAHL NITROGEN (TKN)	the second se	Dans of the second seco
AMMONIUM NITROGEN (NH ₄ -N)	7,110	mg/kg
NITRATE + NITRITE NITROGEN (NO ₃ -N + NO ₂ -N)	1,380	mg/kg
NITROGEN FROM SUPPLEMENTAL FERTILIZERS (If Appropriate)	0	lbs/acre
NITROGEN FROM IRRIGATION WATER (If Appropriate)	0	lbs/acre
NITROGEN FROM PREVIOUS CROP (Unless 2 is based on soil testing)	10	lbs/acre
OTHER (If Appropriate) Specify	0	bs/acre
		w
SELECT CROP TYPE		
(SELECT ONLY ONE)	YES	
1 - CORN (GRAIN) EXPECT YIELD 100 - 125 BUSHELS		•
2 - CORN (GRAIN) EXPECT YIELD 126 - 150 BUSHELS		r La si j
3 - CORN (SILAGE) EXPECT YIELD 20 TONS		14 1,4
4 - SOYBEANS EXPECT YIELD 30 BUSHELS		3.
5 - SOYBEANS EXPECT YIELD 40 BUSHELS		
3- SOYBEANS EXPECT YIELD 50 BUSHELS		
7-WHEAT EXPECT YIELD 40 BUSHELS		
B = SUMMER ANNUAL GRASS EXPECT VIELD 6 TONS (1 CUTTINGS)		ii
- HYBRID HAY EXPECT YIELD 8 TONS (4 CUTTINGS)		3 2
10 - TALL FESCUE HAY EXPECT YIELD 3 TONS (2 CUTTINGS)		
11 - ORCHARD GRASS HAY EXPECT YIELD 4 TONS (2 CUTTINGS)		x
2 - SORGHUM (GRAIN) EXPECT YIELD 60 BUSHELS		
13 - COTTON EXPECT YIELD 1 BALE / ACRE		10 T <u>r</u>
14 - COTTON EXPECT YIELD 1.5 BALE / ACRE		6 6 1
TA NATIONAL PULLER IN ROOM (CANAD		
	e a selfer a the second	5

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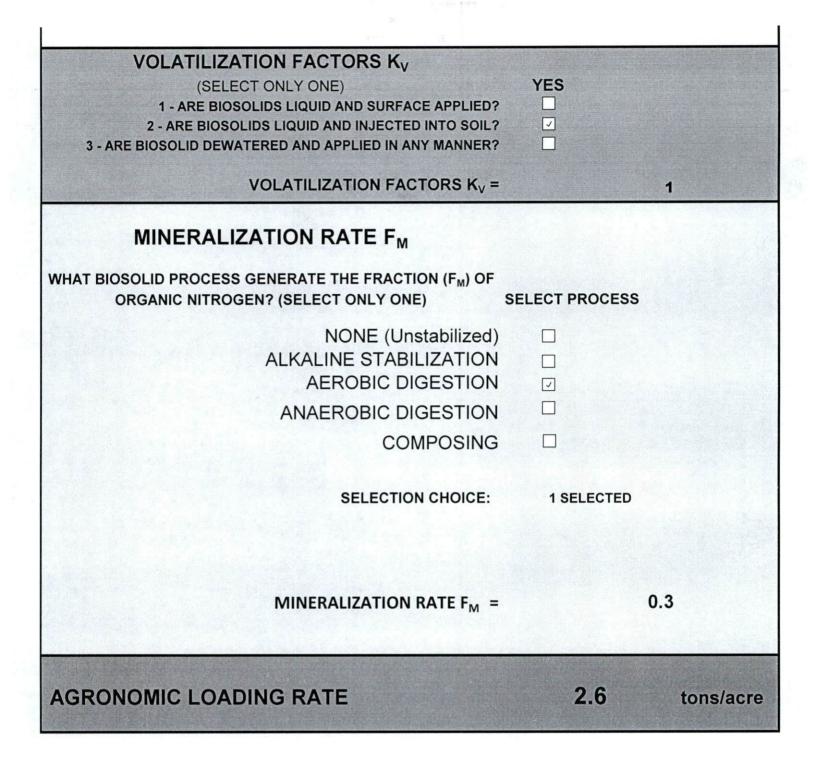
Tennessee Department of Environment and Conservation - Division of Water Polluction Control Exhibit B - Agronomic Application Rate Calculations Based on Nitrogen (N) Revision 05/08/14

April 2023 thru June 2023 Middle Section Only

BACKGROUND INFORMATION/QUESTIONS FILL IN BELOW WWTP NAME City of Dyersburg WWTP NPDES PERMIT NUMBER TN0023477 SITE NAME City of Dyersburg STP COUNTY Dyer E.A.C. Jackson SITE TRACKING NUMBER LA23A0001 LABORATORY NAME Waypoint 4/13/23 DATE OF ANALYSIS SLUDGE/BIOSOLID ANALYSIS LABORATORY RESULTS (Attached a copy of the laboratory analysis used for these calculations to this report) TOTAL KJELDAHL NITROGEN (TKN) 46,500 mg/kg AMMONIUM NITROGEN (NH₄-N) 15,100 mg/kg NITRATE + NITRITE NITROGEN (NO3-N + NO2-N) 435 mg/kg 0 lbs/acre NITROGEN FROM SUPPLEMENTAL FERTILIZERS (If Appropriate) 0 lbs/acre NITROGEN FROM IRRIGATION WATER (If Appropriate) 10 lbs/acre NITROGEN FROM PREVIOUS CROP (Unless 2 is based on soil testing) 0 lbs/acre OTHER (If Appropriate) Specify SELECT CROP TYPE (SELECT ONLY ONE) YES 1 - CORN (GRAIN) EXPECT YIELD 100 - 125 BUSHELS \square 2 - CORN (GRAIN) EXPECT YIELD 126 - 150 BUSHELS 3 - CORN (SILAGE) EXPECT YIELD 20 TONS 4 - SOYBEANS EXPECT YIELD 30 BUSHELS N 5 - SOYBEANS EXPECT YIELD 40 BUSHELS 6- SOYBEANS EXPECT YIELD 50 BUSHELS 7- WHEAT EXPECT YIELD 40 BUSHELS 8 - SUMMER ANNUAL GRASS EXPECT YIELD 6 TONS (1 CUTTINGS) 9 - HYBRID HAY EXPECT YIELD 8 TONS (4 CUTTINGS) 10 - TALL FESCUE HAY EXPECT YIELD 3 TONS (2 CUTTINGS) . 11 - ORCHARD GRASS HAY EXPECT YIELD 4 TONS (2 CUTTINGS) \Box 12 - SORGHUM (GRAIN) EXPECT YIELD 60 BUSHELS 13 - COTTON EXPECT YIELD 1 BALE / ACRE 14 - COTTON EXPECT YIELD 1.5 BALE / ACRE -2

CROP TYPE (LBS N/ACRE/YEAR)

150



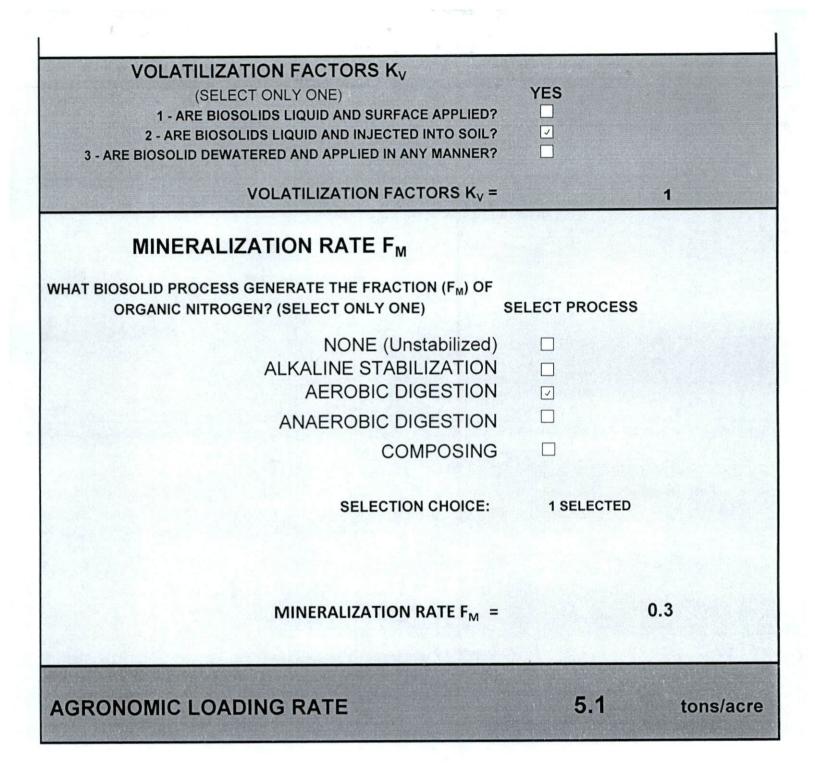


Tennessee Department of Environment and Conservation - Division of Water Polluction Control Exhibit B - Agronomic Application Rate Calculations Based on Nitrogen (N)

Revision 05/08/14

Q4 Oct thru Dec 2023 South- South & Middle Dig. #9 & #10

BACKGROUND INFORMATION/QUESTIONS		
	FILL IN BELC	W
	City of Dyersburg	
WWTP NPDES PERMIT NUMBER		
SITE NAME	City of Dyersburg STP	
COUNTY	Dyer	
E.A.C.	Jackson	
SITE TRACKING NUMBER	LA23A0001	
LABORATORY NAME		
DATE OF ANALYSIS		11/29/23
SLUDGE/BIOSOLID ANALYSIS LABOR (Attached a copy of the laboratory analysis used for thes)
TOTAL KJELDAHL NITROGEN (TKN)	24,800	mg/kg
AMMONIUM NITROGEN (NH4-N)		mg/kg
NITRATE + NITRITE NITROGEN (NO ₃ -N + NO ₂ -N)		mg/kg
NITROGEN FROM SUPPLEMENTAL FERTILIZERS (If Appropriate)		lbs/acre
NITROGEN FROM IRRIGATION WATER (If Appropriate)		lbs/acre
NITROGEN FROM PREVIOUS CROP (Unless 2 is based on soil testing)	10	lbs/acre
OTHER (If Appropriate) Specify		lbs/acre
SELECT CROP TYPE		
(SELECT ONLY ONE)	YES	
1 - CORN (GRAIN) EXPECT YIELD 100 - 125 BUSHELS		
2 - CORN (GRAIN) EXPECT YIELD 100 - 129 BUSHELS		
3 - CORN (SILAGE) EXPECT YIELD 20 TONS		
4 - SOYBEANS EXPECT YIELD 30 BUSHELS		
5 - SOYBEANS EXPECT YIELD 40 BUSHELS		
6- SOYBEANS EXPECT HEED 40 BOSHELS		
7- WHEAT EXPECT YIELD 40 BUSHELS		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
8 - SUMMER ANNUAL GRASS EXPECT YIELD 6 TONS (1 CUTTINGS)		Contra de la
9 - HYBRID HAY EXPECT YIELD 8 TONS (4 CUTTINGS)		
10 - TALL FESCUE HAY EXPECT YIELD 3 TONS (2 CUTTINGS)		
11 - ORCHARD GRASS HAY EXPECT YIELD 4 TONS (2 CUTTINGS)		
12 - SORGHUM (GRAIN) EXPECT YIELD 60 BUSHELS		
13 - COTTON EXPECT YIELD 1 BALE / ACRE		
14 - COTTON EXPECT YIELD 1.5 BALE / ACRE		
CROP TYPE (LBS N/ACRE/YEAR)		15



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FEB 2 2 2024	U
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