

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 Chickasaw Trails Wastewater Treatment Plant		Current NPDES No: MS0060046-001	Existing Tracking No:					
Owner or Operator: (the person or legal entity which controls the site's operation) Marshall Utility Services								
	Name of Official Contact Person: (individual responsible for a site) Justin Hall Title or Position: Executive Director							
1	Mailing Address: 520 J.M. Ash Drive	City: Holly Springs	State: MS	^{Zip:} 38635				
	Phone: ()662.252.3916	rwrmts@yahoo.com						
	Name of Local Contact Person: (if appropriate, write "same as #1") Robert Richmond	Project Manager						
2	Site Address: (this may or may not be the same as street address) 1019 Dogwood Road	Site City: Cayce	TN MS	^{Zip:} 38611				
	Phone: () 901.598.2806	rwrmts@yahoo						
Write in the box (to the right) or circle the number (above) to indicate where to send correspondence:								
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).								
A. OPERATIONAL INFORMATION: Estimated annual amount of biosolids generated (dry weight basis) Estimated annual amount of biosolids to be land applied (dry weight basis) (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): Incoming sewage is screened and transferred to the sequential batch reactor (SBR) where the solids settle to the bottom. The settled solids are transferred to an aerobic digester where the material digested. Effluent water is disinfected and discharged to a tributary of the Nonconnah Creek.								
C. CHEMICAL ANALYSIS: Indicate which contaminant standard(s) the biosolids meet: Table 1 Ceiling 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.								
See	attached analysis. The material is non-hazard		ant Concentra	tion				
D.	PATHOGEN REDUCTION LEVEL ACHIEVED: Indeed, A, Alternatives 5 and 6; for Class B, Alternatives 2 and 3 Process to Significantly Reduce Pathogens (PSRP). Class A: Alternative 1 Alternative 1 Alternative 4 Alternative 4 (List PFRP)	ive 2 Alte five 5 Alte five 2 Alte five 5 Alte five 2 Alte five 5 Alte five 2 Alte five 3 Alte five 4 Alte five 4 Alte five 5 Alte five 6 Alte five 6 Alte five 6 Alte five 6 Alte five 7 Alte five 8 Alte five 8 Alte five 9	rnative 3 rnative 6 q. PFRP) rnative 3 q. PSRP) ellytical and/or pro	cess monitoring				

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E.		RACTION RED	OUCTION LEVEL ACHIEVED: Indicate the option used	d to achieve the	vector attraction				
	reduction.								
	Option 1		tion 2						
				most Class A m					
	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:								
The	The settled solids transferred from the sequential batch reactor are aerobically digested onsite.								
Alth	Although not initially tested for volatile solids and/or SOLID, an attempt will be made prior to land								
anni	Although not initially tested for volatile solids and/or SOUR, an attempt will be made prior to land								
Opti	application to meet either Option 1 or Option 4. If the material fails to meet Option 1 or Option 4,								
Opti	Option 10 will be utilized.								
F.	If one of the vect	or attraction redu	action Options 1 - 8 above was not performed, indicate how	v the vector attra	ction reduction				
	will be performed	d on the field as p	part of the land application process:						
	Option 9 (Su	bsurface Injecti	on)	n)					
15.00 11									
If Opti	on 1 or Option 4 fa	il, the material wil	I be land applied as a liquid and will be incorporated within 6	hours in accordar	nce with Option 10.				
G.	SAMPLING PL	AN: Include a	detailed conv of the biosolids sampling plan as an arifful	:1 :	771 1:				
0.	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.								
	plan must address sampling protocols for containmants, pathogen reduction, and vector attraction reduction quality criteria.								
Due to t	he small size of the plan	nt and resultant small a	mount of material generated, the biosolids will be sampled on an event-timed by	pasis and immediately	prior to land application.				
					8.88				
H.	Therede a list of failed application area(s) that will be used for disposal of biosolids								
	Attach a datailad	manus ala averier a am-							
	Attach a detailed	map showing ap	propriate buffers in accordance with section 3.2.1 (add add	litional pages if i	necessary)				
	Area Number	Area (acres)	Application Rate (tons/acre) per section 3.2.2 (add add Application Rate (tons/acre) per section 3.2.2	litional pages if 1 Latitude	Longitude				
	Attach a detailed	map showing ap	Application Rate (tons/acre) per section 3.2.2	Latitude (decimal)	Longitude (decimal)				
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	Area Number TN-FA-1	map showing ap Area (acres) ~112.5	Application Rate (tons/acre) per section 3.2.2 Bermuda Hay - application rate would be ~8 DryTon/Acre at ~3.5% solids	Latitude (decimal) 35.136145	Longitude (decimal) -89.553261				
I.	Attach a detailed Area Number TN-FA-1 CERTIFICATIO	Area (acres) ~112.5 ON: I certify, un	Application Rate (tons/acre) per section 3.2.2 Bermuda Hay - application rate would be ~8 DryTon/Acre at ~3.5% solids ander penalty of law, that contaminant concentrations in the section of the secti	Latitude (decimal) 35.136145	Longitude (decimal) -89.553261				
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Submit the original completed and signed form to $\underline{\mathit{Water.Permits@tn.gov}}$ or: Biosolids NOI Processing - Division of Water Resources William R. Snodgrass - Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor Nashville, TN 37243-1102

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