

BASIS FOR DECISION MEMO

Permit Processor: Bradley Popovich
 Date: October 29, 2018
 Permit No. MI0060250
 Site Name: Andelina Farms – Saline

Monitoring Point 001A: Authorization to discharge 0.078 MGD of treated municipal wastewater from Monitoring Point 001A through a storm water conveyance and Outfall 001. Outfall 001 discharges to an unnamed tributary of the Saline River.

Parameter	Maximum Limits for Quantity or Loading				Maximum Limits for Quality or Concentration				Monitoring Frequency	Sample Type	Basis for Limits
	Monthly	7-Day	Daily	Units	Monthly	7-Day	Daily	Units			
Flow	(report)	---	(report)	MGD	---	---	---	---	Daily	Report Total Daily Flow	PWJ
Carbonaceous Biochemical Oxygen Demand (CBOD₅)											
May – November	2.6	6.5	(report)	lbs/day	4	---	10	mg/l	5x Weekly	24-Hr Composite	AWT
December – April	16	26	(report)	lbs/day	25	40	(report)	mg/l	5x Weekly	24-Hr Composite	STS
Total Suspended Solids (TSS)											
May – November	13	19	(report)	lbs/day	20	30	(report)	mg/l	5x Weekly	24-Hr Composite	PWJ
December – April	19	29	(report)	lbs/day	30	45	(report)	mg/l	5x Weekly	24-Hr Composite	STS
Ammonia Nitrogen (as N)											
May – November	0.32	1.3	(report)	lbs/day	0.5	---	2.0	mg/l	5x Weekly	24-Hr Composite	AWT
December – March	7.5	---	(report)	lbs/day	11.5	---	(report)	mg/l	5x Weekly	24-Hr Composite	WQBEL
April	4.4	---	(report)	lbs/day	6.8	---	(report)	mg/l	5x Weekly	24-Hr Composite	WQBEL
Total Phosphorus (as P)											
	0.32	---	(report)	lbs/day	0.5	---	(report)	mg/l	5x Weekly	24-Hr Composite	WQBEL
Fecal Coliform Bacteria	---	---	---	---	200	400	(report)	cts/100 ml	5x Weekly	Grab	WQS
					Minimum % Monthly		Minimum % Daily				
CBOD₅ Minimum % Removal											
December – April	---	---	---	---	85	---	(report)	%	Monthly	Calculation	STS
TSS Minimum % Removal											
December – April	---	---	---	---	85	---	(report)	%	Monthly	Calculation	STS

<u>Parameter</u>					<u>Minimum Daily</u>		<u>Maximum Daily</u>	<u>Units</u>	<u>Monitoring Frequency</u>	<u>Sample Type</u>	<u>Basis for Limits</u>
pH	---	---	---	---	6.5	---	9.0	S.U.	5x Weekly	Grab	WQS
Dissolved Oxygen											
May – November	---	---	---	---	6.0	---	---	mg/l	5x Weekly	Grab	WQBEL
December – April	---	---	---	---	3.0	---	---	mg/l	5x Weekly	Grab	WQBEL

PERMIT CONDITIONS:

Final Effluent Limitations, Monitoring Point 001A

Quantification Levels and Analytical Methods for Selected Parameters

Untreated or Partially Treated Sewage Discharge Reporting and Testing Requirements

Facility Contact

Monthly Operating Reports

Storm Water Pollution Prevention (not required)

Industrial Waste Pretreatment Program

Residuals Management Program for Land Application of Biosolids

NOTES:

The facility has yet to be constructed and therefore has no physical address. The interim address will be listed as west of Saline, MI 48176 until the facility receives an address.

Limit Change Key

Normal Type = existing requirement - carried over from previous version of permit

Bold Type = new requirement - not in previous version of permit

Italic = deleted requirement - not carried over from previous version of permit

Basis for Limits Key

WQBEL - Water Quality-Based Effluent Limit

STS - Secondary Treatment Standard

AWT - Advanced Wastewater Treatment

WQS - Water Quality Standard

PWJ - Permit Writer's Judgment