



Village of Menomonee Falls
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051-3140
Telephone: (262) 532-4200

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section _____
Property Tax ID Number 0021990001
Date 8/3/2021

Name of Business/Subdivision Breezy Hill
Address of Property N96W21627 County Line Road

Dry Pond		Location of Pond	Pond 2 – East Side of Property
Wet Pond	X		_____
Other			_____
Pond ID: <u>SWP 6N002</u>		_____	

Year Pond Constructed 2011

Year of Last Certification 2016

Compliance Verification		Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe						Outlet Pipe Material 18" RCP – Basin was raised approximately 3' from original design with extra capacity added to allow for better irrigation capacities. Bottom elevation of pond remains per plan.
Opening Diameter (inches)	18"	18"	Y			
Upstream Invert	871.5	874.18	Y			
Downstream Invert	871.00	873.84	Y			
Length (feet)	50	52	Y			
Slope (%)	1.00%	1.00%	Y			
Secondary Outlet Pipe		(If Applicable)		Outlet Pipe Material		
Opening Diameter (inches)	N/A					
Upstream Invert						
Downstream Invert						
Length (feet)						
Slope (%)						
Riser		(If Applicable)		Riser Material		
Opening Diameter (inches)	N/A					
Elevation						
Upper Discharge Control		(If Applicable)				
Opening Diameter (inches)	N/A					
Elevation						

Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	N/A					
Elevation						
Other (Description)						
Opening Type and Size (inches)	N/A					
Elevation						
Emergency Spillway						
Elevation	876.00	878.30	Y		Good condition	
Length of spillway (feet)	18	20	Y			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X	Grass is well maintained, there are no unauthorized plantings or natural weeds/invasive plants. There appeared to be no burrowing or other damage caused by wildlife in the area.			
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1						
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes	No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	871.50	874.00	Y			Pictures on 8/3/2021 display state of pond 2. Riprap is in good condition as well as emergency spillway. Primary outfall for pond 2 is in good condition and is above the waterline as shown in photos below.
Design High Water Elevation	875.34	877.84	Y			
Area at Normal Water Elevation (Ac) (Wet Ponds)	1.47	1.64	N			
Area at Design High Water Elevation (Ac)	1.95	2.22	Y			
Active Storage Available (Ac-Ft)*	6.21	7.27	Y			
Lowest Elevation at Top of Embankment (If Applicable)	877.00	879.58	Y			
Average Elevation at Top of Embankment (If Applicable)	877.00	880.00	Y			
Maximum Bottom Elevation	866.50	857.00	Y			
Average Pond Bottom Elevation	866.50	857.00	Y			
Pond Bottom Area (Ac)	21,483	13,200	Y			
Maximum Pond Depth	8.84	20.84	Y			
Average Pond Depth	5	13	Y			
Average Permanent Pool Depth (Wet Ponds)	5	13	Y			

*To Determine Active Storage $V=(H/3)(A_1+A_2+(\sqrt{A_1A_2}))$

Wet Ponds Use H = Height of Section, A_1 = area at normal water elevation, A_2 =area at top section

Dry Ponds Use H = Height of Section, A_1 = pond bottom area, A_2 =area at top section



Pond 2 overview



Pond 2 primary outfall into wetland area



Pond 2 primary outfall from pond direction



Pond 2 Riprap on

Inspection Firm: Lynch & Associates
Phone Number: 262-402-5040
Address: 5482 S. Westridge Drive, New Berlin, WI 53151

Inspector Name: Mathieu Stafford
Inspection Date: 8/3/2021

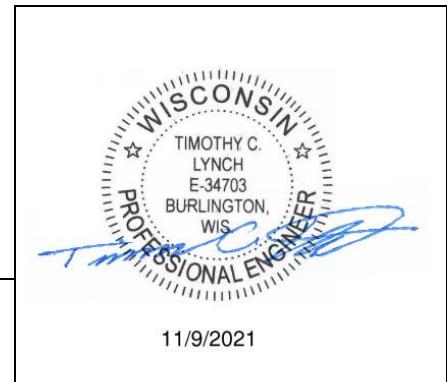
Certifying Professional Tim Lynch, PE

Name: _____
Phone Number: 262-402-5040

Date: 11/9/2021

Signature:

A blue ink signature of Tim Lynch, which is a stylized, handwritten name.



11/9/2021