



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 _____ Name of Business/Subdivision Breezy Hill
Property Tax ID Number 0021990001 Address of Property N96W21627 County Line Road
Date 8/3/2021 _____

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP 6N002

Location of Pond Pond 2 – East Side of Property

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
Opening Diameter (inches)	18"	18"	Y	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.
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 $V = (H/3)(A1 + A2 + \sqrt{A1 \cdot A2})$

Wet Ponds Use H = Height of Section , $A1$ = area at normal water elevation, $A2$ = area at top section

Dry Ponds Use H = Height of Section, $A1$ = pond bottom area, $A2$ = area at top section



Pond 2 overview



Pond 2 primary outfall into wetland area



Pond 2 primary outfall from pond direction

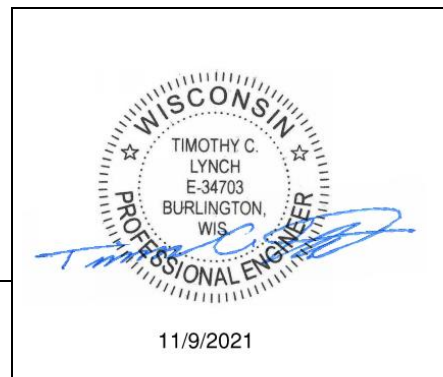


Pond 2 Riprap on

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 Name: Tim Lynch, PE
 Phone Number: 262-402-5040



Date: 11/9/2021

Signature:

Timothy C. Lynch