



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 8/18/16

Dry Pond	
Wet Pond	X
Other	

Location of
Pond

Pond 2 – East side of Property

Pond ID: SWP 6N002

Year Pond
Constructed

2011

Year of Last
Certification

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	18"	18"	Y		RCP – Basin raised approximately 3' from design; bottom elevation not adjusted; extra capacity in basin for irrigation.
Upstream Invert	871.5	874.18	Y		
Downstream Invert	871.0	873.84	Y		
Length (feet)	50	52	Y		
Slope (%)	1%	1%	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	876.0	878.3	Y		Excellent condition
Length of spillway (feet)	18	20	Y		
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X	Well maintained grass; embankment and surrounding areas in excellent condition.		
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)	871.5	874.0	Y		As surveyed; pictures taken on 8/18/16 show the water surface below the outlet structure.
Design High Water Elevation	875.34	877.84	Y		
Area at Normal Water Elevation (Ac) (Wet Ponds)	1.47	1.64	Y		
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	879.58	Y		
Average Elevation at Top of Embankment (If Applicable)	877	880	Y		
Maximum Bottom Elevation	866.5	857	Y		*TOO DEEP TO SURVEY
Average Pond Bottom Elevation	866.5	857	Y		*TOO DEEP TO SURVEY
Pond Bottom Area (Ac)	21,483	13,200	Y		*TOO DEEP TO SURVEY
Maximum Pond Depth	8.84	20.84	Y		*TOO DEEP TO SURVEY
Average Pond Depth	5	13	Y		*TOO DEEP TO SURVEY
Average Permanent Pool Depth (Wet Ponds)	5	13	Y		*TOO DEEP TO SURVEY

*To Determine Active Storage $V=H/3(A_1+A_2+(A_1 \times A_2)^{1/2})$

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

Sketch Outlet or Attach to Document



See picture above; RCP outlet with riprap spillway.

Place Photograph of Pond or Attach to Document



Place Photograph of Pond or Attach to Document



Attach As-built Survey to the Document for the first report submission

Inspection Firm: Lynch & Associates
 Phone Number: 262.402.5040
 Address: 5482 S. Westridge Drive
New Berlin, WI 53151

Inspector Name : Dave Nash, PLS
 Inspection Date: 7/27/16

Certifying Professional Name: Tim Lynch, PE
 Phone Number: 262.402.5040



Date: 8/15/16

Signature:

Tim Lynch

Affix Seal Here