



7-8-2015
 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 5-8N-20E Name of Business/Subdivision Grace Evangelical Lutheran Church
 Property Tax ID Number _____ Address of Property N87 W16171 Kenwood Boulevard
 Date July 1, 2015 Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Location of Pond

North of Grace Evangelical Lutheran Church on the East side of the entrance drive

Pond ID: SWP

Year Pond Constructed 2010 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	18	18	X		Outlet pipe in good condition, end section structure also in good condition.
Upstream Invert	872.00	871.91	X		
Downstream Invert	871.50	871.65	X		
Length (feet)	50	46.56	X		
Slope (%)	1.00	0.56	X		
Secondary Outlet Pipe (If Applicable)					Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					Riser Material
Opening Diameter (inches)					
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	873.50	872.80	X			
Length of spillway (feet)	75.0	80.0	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X	Some areas of erosion observed along pond edge (6" within the pond water surface)			
Animal burrows or slope erosion	X					
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	RCP 24"		Southwest (south)		Clear and in proper working condition	
Outfall 2	RCP 24"		Southwest (north)		Clear and in proper working condition	
Outfall 3	HDPE 10"		South (center)		Clear and in proper working condition	
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	872.0	871.9	X			
Design High Water Elevation	873.16	872.80	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.131	0.229	X			
Area at Design High Water Elevation (Ac)	0.232	0.285	X			
Active Storage Available (Ac-Ft)*	0.811	1.059	X			
Lowest Elevation at Top of Embankment (If Applicable)	876.0	876.3	X			
Average Elevation at Top of Embankment (If Applicable)	876.0	876.5	X			
Maximum Bottom Elevation	867.0	866.6	X			
Average Pond Bottom Elevation	867.0	867.0	X			
Pond Bottom Area (Ac)	0.031	0.025	X			
Maximum Pond Depth	6.5'	6.2	X			
Average Pond Depth	6.5'	5.8	X			
Average Permanent Pool Depth (Wet Ponds)	5.0'	4.9'	X			

*To Determine Active Storage $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

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

Sketch Outlet or Attach to Document



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: CJ-Engineering
Phone Number: 414-443-1312
Address: 9205 W. Center Street
Suite 214
Milwaukee, WI 53222

Inspector Name : Christopher Jackson, P.E.
Inspection Date: July 1, 2015

Certifying Professional Name: Christopher A. Jackson, PE, PLS
Phone Number: 414-443-1312



Date: 7-01-15
Signature: 

Affix Seal Here