



Village of Menomonee Falls 7-8-2015
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
Date July 1, 2015

5-8N-20E

Name of Business/Subdivision
Address of Property

Grace Evangelical Lutheran Church
N87 W16171 Kenwood Boulevard
Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP

Location of
Pond

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

Year Pond
Constructed
2010

Year of Last
Certification

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	18	18	X		
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)				
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				
Opening Diameter (inches)					
Elevation					
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant Yes No	Comments					
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 $V=H/3(A1+A2+(A1xA2)1/2)$

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

Date:

7-01-15

Signature:



Affix Seal Here