



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  
Date August 7, 2020

5-8N-20E  
MNFV0018999006  
Name of Business/Subdivision  
Address of Property

Grace Evangelical Lutheran Church  
W196 N9525 Cross View Way  
Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Location of  
Pond

Pond ID: SWP05N003

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

4RJFB  
Year Pond  
Constructed

2010

Year of Last  
Certification

Compliance Verification		Design	Actual	Compliant Yes   No		Comments ( Condition of Structure)	
<b>Primary Outlet Pipe</b>						Outlet Pipe Material  Outlet pipe in good condition and clear of debris, end section structure also in good condition.	
Opening Diameter (inches)		18	18	X			
Upstream Invert		872.00	871.91	X			
Downstream Invert		871.50	871.65	X			
Length (feet)		50	47'	X			
Slope (%)		1.00	0.56	X			
<b>Secondary Outlet Pipe</b>		(If Applicable)			Outlet Pipe Material		
Opening Diameter (inches)							
Upstream Invert							
Downstream Invert							
Length (feet)							
Slope (%)							
<b>Riser</b>		(If Applicable)			Riser Material		
Opening Diameter (inches)							
Elevation							
<b>Upper Discharge Control</b>		(If Applicable)					
Opening Diameter (inches)							
Elevation							

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)						
Elevation						
<b>Other (Description)</b>						
Opening Type and Size (inches)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	873.50	872.80	X	X	Spillway in good condition with dense vegetated cover	
Length of spillway (feet)	75.0	80.0	X	X		
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	RCP 24"		Southwest (south)		Clear & in good condition	
Outfall 2	RCP 24"		Southwest (north)		Clear & in good condition	
Outfall 3	HDPE 10"		South (center)		Clear & in good condition	
<b>Storage Properties</b>	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  $V=H/3(A1+A2+(A1xA2)/2)$

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



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 : Patrick J. Shay  
 Inspection Date: August 7, 2020

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

Date:  
08/10/2020

Signature:  






South (Center)  
Outfall



Emergency Spillway



Southwest (North/South) Outfall



Southwest (North/South) Outfall



Southwest (North/South) Outfall -  
Upstream



Swale Discharge southeast of pond