



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 MNFV0018999006 Address of Property W196 N9525 Cross View Way
Date August 7, 2020 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)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	18	18	X	Outlet pipe in good condition and clear of debris, end section structure also in good condition.
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	
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 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	X	Spillway in good condition with dense vegetated cover	
Length of spillway (feet)	75.0	80.0	X	X		
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	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	
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

Upstream



Inside



Down-stream

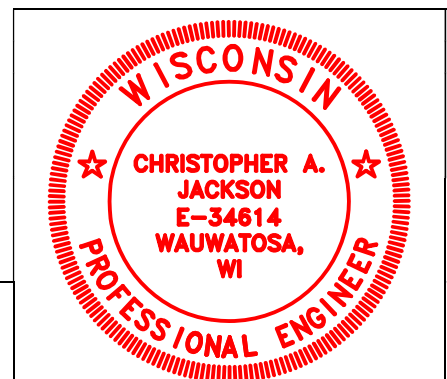


Attach As-built Survey to the Document for the first report submission

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



Swale Discharge southeast of pond



*Southwest (North/South) Outfall -
Upstream*