



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

NE1/4 24-8-20
MNFV00939
47008

Name of Business/Subdivision
Address of Property

Northfield Manor
--- Northfield Dr.

Date 08/06/19

Menomonee Falls, WI

Dry Pond	
Wet Pond	X
Other	

Location of
Pond

South portion of site
Lot 3 of CSM No. 9880

Pond ID: SWP24N003

Year Pond
Constructed

2004

Year of Last
Certification

2014

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter (inches)	12"	12"	X	Concrete
Upstream Invert	776.00	776.06	X	
Downstream Invert	775.97	775.70	X	
Length (feet)	56.0'	43.2'	X	
Slope (%)	0.05%	0.83%	X	
Secondary Outlet Pipe	(If Applicable)			
Opening Diameter (inches)				Outlet Pipe Material
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			
Opening Diameter (inches)				Riser Material
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)	6.5"	6"	X		Vertical orifice HEAVY DEBRIS
Elevation	776.00	776.06	X		
Emergency Spillway					
Elevation	781.50	779.50	X		
Length of spillway (feet)	20.0'	25'	X		
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X		Maintenance Required: removal of woody vegetation		
Animal burrows or slope erosion		X			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	15" RCP		SW COR. OF POND		HEAVY VEGETATION
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	776.00	778.1	X		TRIMBLE R6 GPS TRIMBLE S6 TS
Design High Water Elevation	780.95	779.5	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.161	0.283	X		
Area at Design High Water Elevation (Ac)	0.379	0.355	X		
Active Storage Available (Ac-Ft)*	1.758	0.443	X		
Lowest Elevation at Top of Embankment (If Applicable)	781.50	779.8	X		
Average Elevation at Top of Embankment (If Applicable)	782.50	780.2	X		
Maximum Bottom Elevation	772.00	772.62	X		
Average Pond Bottom Elevation	772.00	773.00	X		
Pond Bottom Area (Ac)	0.057	0.034	X		
Maximum Pond Depth	4.0'	5.48'	X		
Average Pond Depth	4.0'	5.1'	X		
Average Permanent Pool Depth (Wet Ponds)	4.0'	5.1'	X		

*To Determine Active Storage $V=H/3(A1+A2+(A1xA2)1/2)$

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

Dry Ponds Use $H = \text{Height of Section}$, $A1 = \text{pond bottom area}$, $A2 = \text{area at top section}$

Sketch Outlet or Attach to Document

See Attached

Place Photograph of Pond or Attach to Document

See Attached

Place Photograph of Pond or Attach to Document

See Attached

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

Inspection Firm: JSD Professional Services
Phone Number: 262.513.0666
Address: W238 N1610 Busse Rd
Suite 100
Waukesha, WI 53186

Inspector Name : David Nash
Inspection Date: August 3, 2019

Certifying Professional

Name: Rizal W. Iskandarsjach P.L.S., P.E.
Phone Number: 262.513.0666

Date:
August 6, 2019

Signature:

Rizal Iskandarsjach



Affix Seal Here



Figure 1: At east side of Northfield Drive; looking easterly



Figure 2: At SW of pond; looking northerly to storm outfall (rip rap) into pond



Figure 3: At SE portion of pond; looking at pond outlet structure



Figure 4: At SE portion of pond; looking southerly at pond 12" RCP outlet pipe

SWMP Inspection Photos SWP24N003 (7/1/2019) – Village of Menomonee Falls, WI



Figure 5: At SE portion of pond; looking northerly with outlet structure in foreground



Figure 6: At SE portion of pond; looking northerly with outlet structure in foreground



Figure 7: At SE portion of pond; looking southerly to emergency spillway



Figure 7: At SE portion of pond; looking westerly to emergency spillway

