



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 NE1/4 24-8-20 Name of Business/Subdivision Northfield Manor
Property Tax ID Number MNFV00939 Address of Property --- Northfield Dr.
47008
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				Outlet Pipe Material
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)			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)	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 $V = H/3(A1 + A2 + (A1 \times A2)^{1/2})$

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

<p><i>Sketch Outlet or Attach to Document</i></p> <p>See Attached</p>	<p style="text-align: center;"><i>Place Photograph of Pond or Attach to Document</i></p> <p style="text-align: center;">See Attached</p>
	<p style="text-align: center;"><i>Place Photograph of Pond or Attach to Document</i></p> <p style="text-align: center;">See Attached</p>

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

Inspection Firm:	JSD Professional Services	Inspector Name :	David Nash
Phone Number:	262.513.0666	Inspection Date:	August 3, 2019
Address:	W238 N1610 Busse Rd		
	Suite 100		
	Waukesha, WI 53186		

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



<p>Date:</p> <p>August 6, 2019</p>	<p>Signature:</p> <p><i>Rizal Iskandarsjach</i></p>
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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



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

