



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 08-09-2016

NE 1/4 of Sec. 16
MNFV 0061999025

Name of Business/Subdivision
Address of Property

MCS – Wildwood Lake LLC
N77 W17700 Lake Park Drive
Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP 16 N 009

Location of
Pond

Outlet 1 of CSM No. 10267

South side of elderly housing
building

Year Pond
Constructed

2007

Year of Last
Certification

2011

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	12	12	X		RCP (Concrete Pipe) – good condition
Upstream Invert	855.00	854.93	X		Good condition – chicken wire screen around upstream end should be periodically cleaned.
Downstream Invert	854.31	854.33	X		Downstream end section is beginning to undermine; fill and repair under end section.
Length (feet)	90.2	83.9	X		
Slope (%)	0.700%	0.715%	X		
Secondary Outlet Pipe					
Opening Diameter (inches)					Outlet Pipe Material
Upstream Invert					N/A
Downstream Invert					
Length (feet)					
Slope (%)					
Riser					
Opening Diameter (inches)					Riser Material
Elevation					N/A
Upper Discharge Control					
Opening Diameter (inches)					N/A
Elevation					

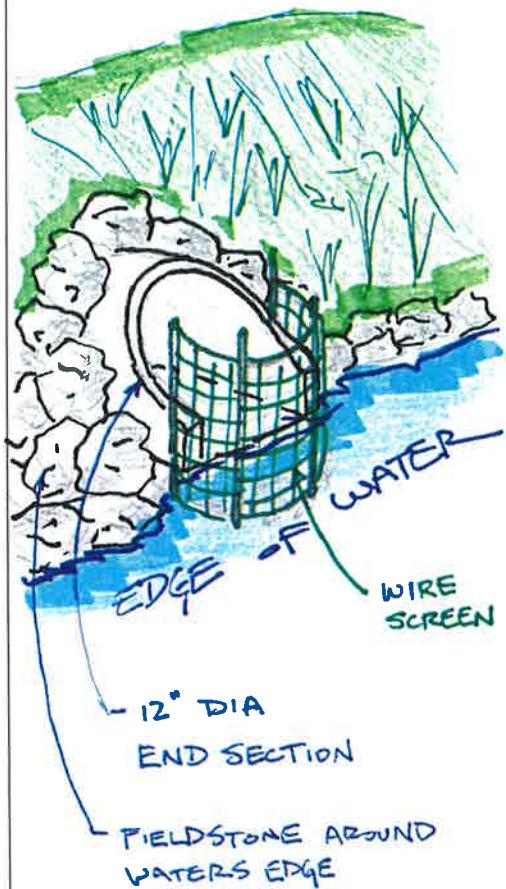
Compliance Verification	Design	Actual	Compliant Yes No	Comments			
Lower Discharge Control	(If Applicable)						
Opening Diameter (inches)				N/A			
Elevation							
Other (Description)							
Opening Type and Size (inches)							
Elevation							
Emergency Spillway							
Elevation	862.0	861.9	X	Spillway TRM observed and in good condition.			
Length of spillway (feet)	20	20	X	6' wide asphalt trail runs thru center of spillway – matches to TRM and is in good condition.			
Embankment	Present Yes no		Comments/Maintenance Requirements				
Unauthorized Plantings, trees, or woody vegetation	X		Remove woody vegetation near the waters edge, most prevalent at east end of pond.				
Animal burrows or slope erosion	X		Fill small animal burrows – utilize wire mesh and soil/grout/etc. to discourage proliferation. Burrows are located near water: 1) directly in line with center of community room (north side; 2) 180' west of southeast corner (south side)				
Storm Sewer Outfalls	Type & Size		Location		Comments		
Outfall 1	12" RCP		Northwest corner		Good condition		
Outfall 2	15" RCP		Southwest corner		Good condition		
Outfall 3	27" RCP		Northeast corner		Good condition		
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used		
Normal Water Elevation (Wet Ponds)	855.0	854.85	X		GPS (Navcom)		
Design High Water Elevation	859.59	859.59	X		GPS (Navcom)		
Area at Normal Water Elevation (Ac) (Wet Ponds)	2.45	2.45	X				
Area at Design High Water Elevation (Ac)	3.31	3.31	X				
Active Storage Available (Ac-Ft)*	15.1	15.2	X				
Lowest Elevation at Top of Embankment (If Applicable)	866.25	866.13	X		GPS (Navcom)		
Average Elevation at Top of Embankment (If Applicable)	866.25	866.15	X		GPS (Navcom)		
Maximum Bottom Elevation	844	844.1	X		String line with weight – depth checks		
Average Pond Bottom Elevation	844	844.7	X		String line with weight – depth checks		
Pond Bottom Area (Ac)	1.2	1.25	X				
Maximum Pond Depth	11	10.75	X				
Average Pond Depth	11	10.15	X				
Average Permanent Pool Depth (Wet Ponds)	11	10.4	X				

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

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



Looking East



Looking West

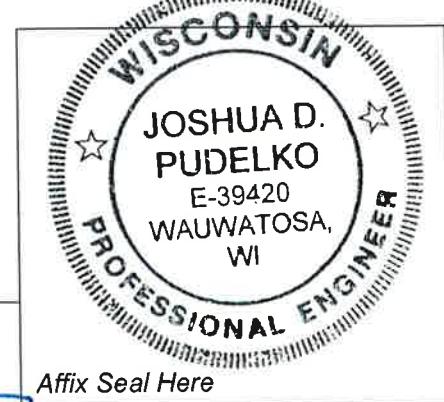


Attach As-built Survey to the Document for the first report submission

Inspection Firm: Trio Engineering, LLC
Phone Number: 262-790-1480
Address: 12660 W North Ave
Brookfield, WI 53005

Inspector Name: Joshua D. Pudelko, PE
Inspection Date: 08/09/2016

Certifying Professional Joshua D. Pudelko, PE
Name: _____
Phone Number: 262-790-1480



Date: <u>8/9/16</u>	Signature: <u></u>
---------------------	--

Affix Seal Here