

2006 file

7-14-2011



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 NE ¼ of Sec. 16 Name of Business/Subdivision Highlands at Wildwood Lake
 Property Tax ID Number MNFV 0061999025 Address of Property N77 W17700 Lake Park Drive
Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Description: SWP16N009 Location Of Pond Outlot 1 of CSM No. 10267
2.45 ac wet pond, 10' deep, South side of elderly housing
aerated, with fountain building.

Year Pond Constructed 2007 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	12"	12"	X		HDPE Corrugated Pipe – good condition
Upstream Invert	855.0	854.94	X		
Downstream Invert	854.31	854.36	X		
Length	90.20	83.90	X		
Slope	0.700%	0.703%	X		
Secondary Outlet Pipe (If Applicable) N/A					
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser (If Applicable) N/A					
Opening Diameter					
Elevation					
Upper Discharge Control (If Applicable) N/A					
Opening Diameter					
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)		N/A			
Opening Diameter						
Elevation						
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation	862.0	861.9	X			
Length of spillway	20'	20'	X			
Embankment			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation				X	Embankment free of woody vegetation	
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
	Yes	No				
Normal Water Elevation (Wet Ponds)	855.0	854.94	X		60	GPS (Navcom)
Design High Water Elevation	859.59	859.59	X		60	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	866.02	X		30	GPS (Navcom)
Average Elevation at Top of Embankment (If Applicable)	866.25	866.15	X		30	GPS (Navcom)
Maximum Bottom Elevation	844	844.79	X		10	25' level rod
Average Pond Bottom Elevation	844	844.79	X		10	25' level rod
Pond Bottom Area (Ac)	1.2	1.25	X			
Maximum Pond Depth	10.5'	10.16'	X		10	25' level rod
Average Pond Depth	10.5'	10.16'	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

Sketch Outlet



Inspection Firm: Trio Engineering, LLC
 Phone Number: 262-790-1480
 Address: 17700 W. Capitol Drive
Brookfield, WI 53045

Inspector Name : Mike Feltes
 Inspection Date: July 14, 2011

Certifying
 Professional Name: Josh Pudelko, P.E., M.S.
 Phone Number: (262) 790-1480



Date: 8/10/2011 Signature: [Handwritten Signature]