



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	NW 1/4 OF SEC 12	Name of Business/Subdivision	ER WAGNER
Property Tax ID Number	MNFV0045996005	Address of Property	W130N8691 OLD ORCHRD ROAD,
Date	07/26/2016		MENOMONEE FALLS, WI

Dry Pond	
Wet Pond	X
Other	

Location of Pond SOUTHEAST CORNER OF SITE

Pond ID: SWP 12N014

Year Pond Constructed 2016 Year of Last Certification 2016

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	24"	24"			
Upstream Invert	766.6	766.6			
Downstream Invert	766.4	766.4			
Length (feet)	53.5	53.5			
Slope (%)	0.37%	0.37%			
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				
Opening Diameter (inches)					
Elevation					
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	24" x 36"	24" x 36"			
Elevation	768.75 - 769.50	768.68 - 769.47			

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	5"	5"				
Elevation	766.6	766.56				
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	771.9	771.64				
Length of spillway (feet)	20'	18'				
Embankment	Present		Comments/Maintenance Requirements			
	Yes	no				
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion						
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	24" RCP		WEST SIDE OF POND			
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	766.6	766.6				
Design High Water Elevation	770.96	770.96				
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.61	0.61				
Area at Design High Water Elevation (Ac)	0.94	0.94				
Active Storage Available (Ac-Ft)*	0.20	0.20				
Lowest Elevation at Top of Embankment (If Applicable)	773.0	772.7				
Average Elevation at Top of Embankment (If Applicable)	773.0	772.8				
Maximum Bottom Elevation	761.0	760.48				
Average Pond Bottom Elevation	761.0	760.5				
Pond Bottom Area (Ac)	0.352	0.34				
Maximum Pond Depth	12	12.32				
Average Pond Depth	12	12.3				
Average Permanent Pool Depth (Wet Ponds)	5	5.52				

*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 or Attach to Document

SEE ATTACHMENT

Place Photograph of Pond or Attach to Document

Place Photograph of Pond or Attach to Document

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

Inspection Firm: PINNACLE ENGINEERING GROUP
Phone Number: (262) - 754 - 8888
Address: 15850 W BLUEMOUND RD,
BROOKFIELD, WI 53005

Inspector Name : AARON KOCH
Inspection Date: 07/25/2016

Certifying Professional
Name: AARON KOCH
Phone Number: (262) - 754 - 8888

