



8-10-16

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 07/26/2016

NW 1/4 OF SEC 12
MNFV0045996005 Name of Business/Subdivision ER WAGNER
Address of Property
W130N8691 OLD ORCHRD ROAD,
MENOMONEE FALLS, WI

Dry Pond		Location of Pond	
Wet Pond	X	SOUTHEAST CORNER OF SITE	
Other			

Pond ID: SWP 12N014

Year Pond Constructed 2016 Year of Last Certification 2016

Compliance Verification	Design	Actual	Compliant Yes	Comments (Condition of Structure)
Primary Outlet Pipe				
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 Yes No	Comments
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 Yes no	Comments/Maintenance Requirements		
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 Yes No	Not Applicable
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 $V=H/3(A1+A2+(A1xA2)1/2)$

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

