



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 06/27/2017

12 8N 20E  
0047081

Name of Business/Subdivision  
Address of Property

FAIRWAY VILLAGE

RIVER PARK DR

MENOMONEE FALLS, WI

Dry Pond	
Wet Pond	X
Other	

Location of  
Pond

SOUTH OF RIVER PARK DR

Pond ID: SWP 12S008

Year Pond  
Constructed

2007

Year of Last  
Certification

2012

Compliance Verification	Design	Actual	Compliant Yes	Non-Compliant No	Comments (Condition of Structure)
<b>Primary Outlet Pipe</b>					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		
Upstream Invert	781.50	781.56	X		
Downstream Invert	781.46	781.26	X		
Length (feet)	23'	18.8'	X		
Slope (%)	1.6%	1.6%	X		
<b>Secondary Outlet Pipe</b>	(If Applicable)			Outlet Pipe Material	
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>	(If Applicable)			Riser Material	
Opening Diameter (inches)					
Elevation					
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	4"	4"	X		
Elevation	783.00	783.16	X		

Compliance Verification	Design	Actual	Compliant Yes	No	Comments
<b>Lower Discharge Control</b>	<b>(If Applicable)</b>				
Opening Diameter (inches)	5.5"	6"	X		
Elevation	781.5	781.56	X		
<b>Other (Description)</b>					
Opening Type and Size (inches)					
Elevation					
<b>Emergency Spillway</b>					
Elevation	786.5	786.5	X		
Length of spillway (feet)	10'	10'	X		
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation					
Animal burrows or slope erosion					
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1					
Outfall 2					
Outfall 3					
<b>Storage Properties</b>	Design	Actual	Compliant Yes	No	Not Applicable
Normal Water Elevation (Wet Ponds)	782.00	781.56	X		
Design High Water Elevation	785.9	785.9	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.09	0.1	X		
Area at Design High Water Elevation (Ac)	0.21	0.22	X		
Active Storage Available (Ac-Ft)*	0.41	0.43	X		
Lowest Elevation at Top of Embankment (If Applicable)					
Average Elevation at Top of Embankment (If Applicable)					
Maximum Bottom Elevation	781.00	781.00	X		
Average Pond Bottom Elevation	778.5	778.00	X		
Pond Bottom Area (Ac)	0.01	0.01	X		
Maximum Pond Depth	6'	6'	X		
Average Pond Depth	6'	6'	X		
Average Permanent Pool Depth (Wet Ponds)	6'	6'	X		

\*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

Place Photograph of Pond or Attach to Document

SEE ATTACHED

SEE ATTACHED

Place Photograph of Pond or Attach to Document

SEE ATTACHED

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

Inspection Firm: PINNACLE ENGINEERING GROUP  
Phone Number: 262-754-888  
Address: 15850 W BLUEMOUND RD  
SUITE 210  
BROOKFIELD, WI, 53005

Inspector Name : AARON KOCH  
Inspection Date: 06/06/2017

Certifying Professional AARON KOCH

Name:

Phone Number: 262-754-8888

Date:

7/3/17

Signature:

*AEK*



Affix Seal Here







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FAIRWAY VILLAGE

RIVER PARK DR

MENOMONEE FALLS, WI

Dry Pond	
Wet Pond	X
Other	

Location of  
Pond

NORTH OF RIVER PARK DR

Pond ID: SWP 12S009

Year Pond  
Constructed

2007

Year of Last  
Certification

2012

Compliance Verification	Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>					
Opening Diameter (inches)	12"	12"	X		Outlet Pipe Material
Upstream Invert	785.00	785.13	X		
Downstream Invert	784.29	784.04	X		
Length (feet)	76'	70.9'	X		
Slope (%)	0.95%	1.5%	X		
<b>Secondary Outlet Pipe</b>	(If Applicable)			Outlet Pipe Material	
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>	(If Applicable)			Riser Material	
Opening Diameter (inches)					
Elevation					
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	6"	6"	X		
Elevation	787.05	787.38	X		

Compliance Verification	Design	Actual	Compliant Yes      No	Comments	
<b>Lower Discharge Control</b>	<b>(If Applicable)</b>				
Opening Diameter (inches)	4"	4"	X		
Elevation	785.00	785.13	X		
<b>Other (Description)</b>					
Opening Type and Size (inches)					
Elevation					
<b>Emergency Spillway</b>					
Elevation	790.5	790.5	X		
Length of spillway (feet)	10'	10'	X		
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation					
Animal burrows or slope erosion					
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1					
Outfall 2					
Outfall 3					
<b>Storage Properties</b>	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	785.00	785.13	X		
Design High Water Elevation	789.9	789.9	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.07	0.06	X		
Area at Design High Water Elevation (Ac)	0.20	0.22	X		
Active Storage Available (Ac-Ft)*	0.47	0.45	X		
Lowest Elevation at Top of Embankment (If Applicable)					
Average Elevation at Top of Embankment (If Applicable)					
Maximum Bottom Elevation	784.00	784.00	X		
Average Pond Bottom Elevation	782.00	782.00	X		
Pond Bottom Area (Ac)	0.01	0.01	X		
Maximum Pond Depth	5'	5.2'	X		
Average Pond Depth	5'	5'	X		
Average Permanent Pool Depth (Wet Ponds)	5'	5'	X		

\*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

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10-3-2012



