



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 6/19/2015

SW-1/4 Sec. 29 T08N R20E

MNFI0115078

Name of Business/Subdivision

Spencer's Pass West

Address of Property

County Hwy VV/Silver Spring Road  
Menomonee Falls, WI

Dry Pond	<input type="checkbox"/>
Wet Pond	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Location of  
Pond

Northwest corner of subdivision

Pond ID: SWP  
Basin No. 1

Year Pond  
Constructed

2014

Year of Last  
Certification

N/A

Compliance Verification	Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>	<b>Outlet Pipe Material</b>				
Opening Diameter (inches)	12"	12"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	RCP - new condition
Upstream Invert	835.50	835.79	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Downstream Invert	835.35	853.57	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Length (feet)	56 FT	56 FT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Slope (%)	0.27	0.39	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Secondary Outlet Pipe</b>	<b>Outlet Pipe Material</b>				
Opening Diameter (inches)			<input type="checkbox"/>	<input type="checkbox"/>	
Upstream Invert			<input type="checkbox"/>	<input type="checkbox"/>	
Downstream Invert			<input type="checkbox"/>	<input type="checkbox"/>	
Length (feet)			<input type="checkbox"/>	<input type="checkbox"/>	
Slope (%)			<input type="checkbox"/>	<input type="checkbox"/>	
<b>Riser</b>	<b>Riser Material</b>				
Opening Diameter (inches)	36"	36"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Precast Concrete - new condition
Elevation	841.00	841.12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Upper Discharge Control</b>	<b>(If Applicable)</b>				
Opening Diameter (inches)	4.5"	4.5"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Elevation	836.35	836.35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Compliance Verification	Design	Actual	Compliant Yes No		Comments
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	3"	3"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Elevation	835.50	835.50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Other (Description)</b>					
Opening Type and Size (inches)			<input type="checkbox"/>	<input type="checkbox"/>	
Elevation			<input type="checkbox"/>	<input type="checkbox"/>	
<b>Emergency Spillway</b>					
Elevation	841.50	841.40	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Length of spillway (feet)	60 FT	60 FT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Excess filter fabric needs to be removed storm outfall on the west side of basin. Rip-Rap layer is thin.		
Animal burrows or slope erosion	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1	24" RCP		South side		Good Condition
Outfall 2	24" RCP		West side		Good Condition
Outfall 3					
<b>Storage Properties</b>	Design	Actual	Compliant Yes	No	Not Applicable
Normal Water Elevation (Wet Ponds)	835.50	835.80	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rotating lazer level
Design High Water Elevation	841.05	841.05	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.89	0.89	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Area at Design High Water Elevation (Ac)	1.32	0.32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Active Storage Available (Ac-Ft)*	11.18	11.18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Lowest Elevation at Top of Embankment (If Applicable)			<input type="checkbox"/>	<input type="checkbox"/>	
Average Elevation at Top of Embankment (If Applicable)	843.00	843.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Maximum Bottom Elevation			<input type="checkbox"/>	<input type="checkbox"/>	
Average Pond Bottom Elevation	830.00	830.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pond Bottom Area (Ac)	0.40	0.40	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Maximum Pond Depth			<input type="checkbox"/>	<input type="checkbox"/>	
Average Pond Depth			<input type="checkbox"/>	<input type="checkbox"/>	
Average Permanent Pool Depth (Wet Ponds)	5.80 FT	5.80 FT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

\*To Determine Active Storage  $V=H/3(A1+A2+(A1xA2)/2)$

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

Place Photograph of Pond or Attach to Document

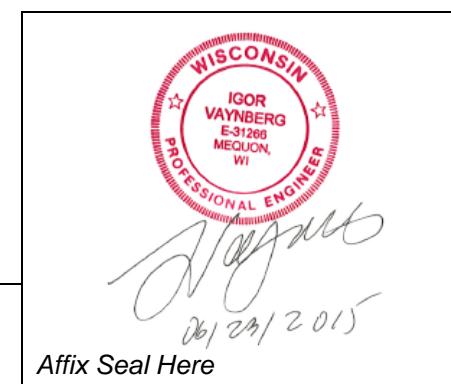
Attach As-built Survey to the Document for the first report submission

Inspection Firm: SEH, Inc.  
Phone Number: (262) 646-6855  
Address: 501 Maple Avenue  
Delafield, WI 53018

Inspector Name : Robert Malzahn  
Inspection Date: 06-19-2015

Certifying Professional

Name: Igor Vaynberg  
Phone Number: 414-949-8961



Date:

Signature:



Basin No. 1 - Photo No. 1



Basin No. 1 - Photo No. 2



Basin No. 1 - Photo No. 3



Basin No. 1 - Photo No. 4



Basin No. 1 - Photo No. 5





Basin No. 1 - Photo No. 7



Basin No. 1 - Photo No. 8



Basin No. 1 - Photo No. 9



Basin No. 1 - Photo No. 10