



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 SW-1/4 Sec. 29 T08N R20E Name of Business/Subdivision Spencer's Pass West
Property Tax ID Number MNFV0115078 Address of Property Menomonee Falls
Date 10/02/2015

Dry Pond	☐
Wet Pond	☒
Other	☐

Location of Pond Middle of subdivision
Pond ID: SWP
Basin No. 3

Year Pond Constructed 2014 Year of Last Certification N/A

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	☒	☐	RCP - new condition
Upstream Invert	835.50	835.52	☒	☐	
Downstream Invert	834.90	834.90	☒	☐	
Length (feet)	67.5	67.5	☒	☐	
Slope (%)	0.89	0.89	☒	☐	
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)			☐	☐	
Upstream Invert			☐	☐	
Downstream Invert			☐	☐	
Length (feet)			☐	☐	
Slope (%)			☐	☐	
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	30"	30"	☒	☐	Precast Concrete - new condition
Elevation	841.15	840.92	☒	☐	
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	10"	10"	☒	☐	
Elevation	836.70	836.54	☒	☐	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	1"	1"	☒	☐		
Elevation	835.50	835.17	☒	☐		
Other (Description)						
Opening Type and Size (inches)			☐	☐		
Elevation			☐	☐		
Emergency Spillway						
Elevation	842.00	841.90	☒	☐		
Length of spillway (feet)	30 FT	30 FT	☒	☐		
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	☐	☒				
Animal burrows or slope erosion	☐	☒				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" RCP		South Side		Good Condition	
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	835.50	835.60	☒	☐		Rotating lazer level
Design High Water Elevation	840.91	840.91	☒	☐		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.15	0.15	☒	☐		
Area at Design High Water Elevation (Ac)	0.27	0.27	☒	☐		
Active Storage Available (Ac-Ft)*	1.47	1.47	☒	☐		
Lowest Elevation at Top of Embankment (If Applicable)			☐	☐		
Average Elevation at Top of Embankment (If Applicable)	843.00	842.90	☒	☐		
Maximum Bottom Elevation			☐	☐		
Average Pond Bottom Elevation	830.50	830.70	☒	☐		
Pond Bottom Area (Ac)	0.02	0.02	☒	☐		
Maximum Pond Depth			☐	☐		
Average Pond Depth			☐	☐		
Average Permanent Pool Depth (Wet Ponds)	5.00 FT	4.90 FT	☒	☐		

*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

<i>Sketch Outlet or Attach to Document</i>	<i>Place Photograph of Pond or Attach to Document</i>
	<i>Place Photograph of Pond or Attach to Document</i>

<i>Sketch Outlet or Attach to Document</i>	<i>Place Photograph of Pond or Attach to Document</i>
	<i>Place Photograph of Pond or Attach to Document</i>

<i>Sketch Outlet or Attach to Document</i>	<i>Place Photograph of Pond or Attach to Document</i>
	<i>Place Photograph of Pond or Attach to Document</i>

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

Inspection Firm:	<u>SEH, Inc.</u>	Inspector Name :	<u>Robert Malzahn</u>
Phone Number:	<u>(262) 646-6855</u>	Inspection Date:	<u>10-02-2015</u>
Address:	<u>501 Maple Avenue</u>		
	<u>Delafield, WI 53018</u>		

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

Date:

Signature: _____

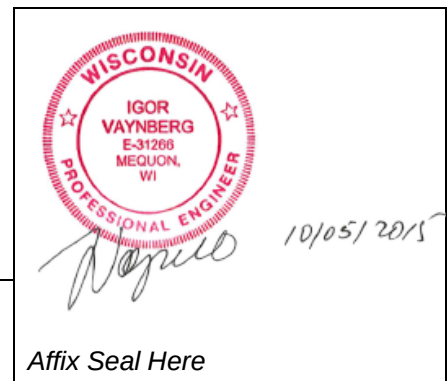








Photo No. 3



Photo No. 4



Photo No. 5





Photo No. 7



Photo No. 8