



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

Pond ID: SWP
Basin No. 2

Location of Pond Northeast corner of subdivision

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"	<input checked="" type="checkbox"/> <input type="checkbox"/>	RCP - new condition
Upstream Invert	835.00	835.05	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Downstream Invert	834.60	834.67	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Length (feet)	85 FT	85 FT	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Slope (%)	0.48	0.45	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
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"/>	
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	24"	24"	<input checked="" type="checkbox"/> <input type="checkbox"/>	Precast Concrete - new condition
Elevation	840.15	840.08	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	3"	3"	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Elevation	836.05	836.03	<input checked="" type="checkbox"/> <input type="checkbox"/>	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	2.5"	2.5"	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Elevation	835.00	834.98	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Other (Description)						
Opening Type and Size (inches)			<input type="checkbox"/>	<input type="checkbox"/>		
Elevation			<input type="checkbox"/>	<input type="checkbox"/>		
Emergency Spillway						
Elevation	841.0	841.10	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Length of spillway (feet)	30 FT	30 FT	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Restoration work needed on safety shelf due to low water surface elevations.			
Animal burrows or slope erosion	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" RCP		West Side		Good Condition	
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	835.00	833.74	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Rotating lazer level
Design High Water Elevation	840.17	840.17	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.39	0.39	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Area at Design High Water Elevation (Ac)	0.88	0.88	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Active Storage Available (Ac-Ft)*	4.89	4.89	<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)	842.00	842.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Maximum Bottom Elevation			<input type="checkbox"/>	<input type="checkbox"/>		
Average Pond Bottom Elevation	830.00	830.60	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Pond Bottom Area (Ac)	0.10	0.10	<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)	5.00 FT	3.14 FT	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

*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	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:	<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:	 Affix Seal Here
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Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4



Photo No. 5



Photo No. 6



Photo No. 7



Photo No. 8



Photo No. 9



Photo No. 10





Photo No. 12