



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 County Hwy VV/Silver Spring Road
Date 6/19/2015 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)
Primary Outlet Pipe					Outlet Pipe Material
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"/>	
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)	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"/>	
Upper Discharge Control	(If Applicable)				
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	
Lower Discharge Control	(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"/>		
Other (Description)						
Opening Type and Size (inches)			<input type="checkbox"/>	<input type="checkbox"/>		
Elevation			<input type="checkbox"/>	<input type="checkbox"/>		
Emergency Spillway						
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"/>		
Embankment	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"/>				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	24" RCP		South side		Good Condition	
Outfall 2	24" RCP		West side		Good Condition	
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
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 $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

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





Basin No. 1 - Photo No. 2



Basin No. 1 - Photo No. 3





Basin No. 1 - Photo No. 5









Basin No. 1 - Photo No. 9

