



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 SE&SW1/4 of the NW1/ Sec. 30 Name of Business/Subdivision Silver Spring Estates
 Property Tax ID Number _____ Address of Property Town Line Road and Legacy Trail
 Date: November 12, 2014

Dry Pond	X
Wet Pond	
Other	

Location of Pond South of Legacy Trail 250' East of Townline Road
 Pond ID: SWP Entrance Pond

Year Pond Constructed 2014 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	5"	5"	x		5" orifice cored in outlet structure
Upstream Invert	851.58	851.53	x		
Downstream Invert					
Length (feet)					
Slope (%)					
Secondary Outlet Pipe (If Applicable)					
Opening Diameter (inches)					Reinforced Concrete
Upstream Invert	851.58	851.64	x		
Downstream Invert	851.45	851.41	x		
Length (feet)	30'	26'	x		
Slope (%)	0.50%	0.76%	x		
Riser (If Applicable)					
Opening Diameter (inches)	36"	36"	x		Concrete outlet structure
Elevation	854.50	854.12	x		
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	854.50	854.50				
Length of spillway (feet)	5'	5'			5' Wide Spillway	
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		x				
Animal burrows or slope erosion		x				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	18" RCP		North Side of pond from Legacy Trail			
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)						See attached Hydra Flow calculations for pond storage volumes
Design High Water Elevation						
Area at Normal Water Elevation (Ac) (Wet Ponds)						
Area at Design High Water Elevation (Ac)						
Active Storage Available (Ac-Ft)*						
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)						
Maximum Bottom Elevation						
Average Pond Bottom Elevation						
Pond Bottom Area (Ac)						
Maximum Pond Depth						
Average Pond Depth						
Average Permanent Pool Depth (Wet Ponds)						

*To Determine Active Storage $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

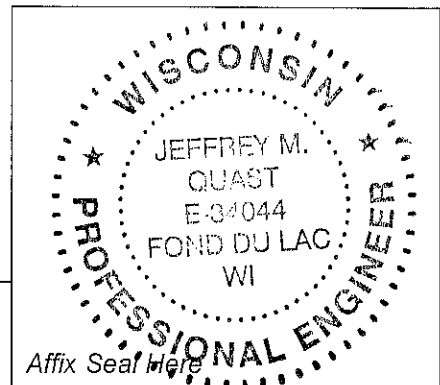
Dry Ponds Use H= Height of Section, A1= pond bottom area, A2=area at top section


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

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

Inspection Firm: Excel Engineering Inc. Inspector Name : Max Franzen
 Phone Number: 920-322-1726 Inspection Date: November 10, 2014
 Address: 100 Camelot Dr.
 Fond du lac, WI 54935

Certifying Professional Name: Jeff Quast
 Phone Number: 920-322-1700



<p>Date:</p> <p><i>11-14-2014</i></p>	<p>Signature:</p> 
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