

2003 Feb

9-4-13



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 1/4 SEC 8 Name of Business/Subdivision CALVERY BAPTIST CHURCH  
 Property Tax ID Number 0032-999-001 Address of Property N84 W19049 MENOMONEE AVE

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

Description: SWP 080001 Location Of Pond EAST SIDE OF SHG ALONG STH 74

Year Pond Constructed 2003 Year of Last Certification 2011

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					
Opening Diameter	10"	10"	X		AS NEW CONDITION
Upstream Invert	870.0	870.27	X		CLEAN & CLEAR
Downstream Invert	869.73	869.84	X		CLEAN & CLEAR
Length	75.0'	57.0'	X		
Slope	0.36%	0.75%	X		
<b>Secondary Outlet Pipe</b> (If Applicable)					
Opening Diameter	12"	12"	X		AS NEW CONDITION
Upstream Invert	871.5	871.65	X		CLEAN & CLEAR
Downstream Invert	871.25	871.19	X		CLEAN & CLEAR
Length	50.0'	44.0'	X		
Slope	0.50%	1.04%	X		
<b>Riser</b> (If Applicable)					
Opening Diameter	N/A				
Elevation					
<b>Upper Discharge Control</b> (If Applicable)					
Opening Diameter	N/A				
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter	NA					
Elevation						
<b>Other (Description)</b>						
Opening Type	NA					
Elevation						
<b>Emergency Spillway</b>						
Elevation	875.4	874.6	X		RIP RIP CLEAN & CLEAR	
Length of spillway	10.0'	10.0'	X			
<b>Embankment</b>			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation				X	PREVIOUS WOODY VEGETATION REMOVED	
Animal burrows or slope erosion				X		
<b>Storage Properties</b>	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	870.0	870.02	X		10	TOTAL STATION
Design High Water Elevation	875.3 (ULTIMATE)	874.96 (ULTIMATE)	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	24200	25017	X			
Area at Design High Water Elevation (Ac)	42500	53825	X		17	TOTAL STATION
Active Storage Available (Ac-Ft)*	3.59	3.96	X			
Lowest Elevation at Top of Embankment (If Applicable)	876.4	875.8	X		1	TOTAL STATION
Average Elevation at Top of Embankment (If Applicable)	876.4	876.0	X		5	TOTAL STATION
Maximum Bottom Elevation	865.0	865.4	X		2	TOTAL STATION
Average Pond Bottom Elevation	865.0	865.4	X		2	TOTAL STATION
Pond Bottom Area (Ac)	0.30	0.34	X			
Maximum Pond Depth (BOTTOM TO TOP OF BANK)	11.4	10.6	X			
Average Pond Depth	11.4	10.6	X			

\*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

<p>Sketch Outlet</p>	<p>Place Photograph of Pond</p>
	<p>Place Photograph of Pond</p>

Inspection Firm: CSE ENGINEERING LLC      Inspector Name : PAUL BRUCKNER  
 Phone Number: 414-443-1312      Inspection Date: 09-04-13  
 Address: 9205 W. CENTER ST.  
SUITE 214  
MILWAUKEE, WI 53222

Certifying Professional Name: RANDALL S. BRUCKNER  
 Phone Number: 414-443-1312



<p>Date: <u>09-05-13</u></p>	<p>Signature: <u>[Handwritten Signature]</u></p>
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Affix Seal Here