



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	NW1/4, SW1/4 Section 1, T8N, R18E	Name of Business/Subdivision	We Energies Menomonee Falls Service Center
Property Tax ID Number	MNFV 0003991	Address of Property	W140 N9100 Lilly Road Menomonee Falls, WI 53203
Date :	May 17, 2017		

Dry Pond			Location of Pond	Northeastern portion of the property
Wet Pond				
Other	X	Pond ID:	SWP	
			Biofiltration Basin	
Year Pond Constructed	2011	Year of Last Certification	2012	Asbuilt by GRAEF

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)					NOT APPLICABLE PRIMARY DISCHARGE IS UNDERDRAIN AND INFILTRATION
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)					NOT APPLICABLE
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)					NOT APPLICABLE
Elevation					
Upper Discharge Control	(If Applicable)				NOT APPLICABLE
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)					NOT APPLICABLE
Elevation					
Other (Description)					
Opening Type and Size (inches)					4-INCH UNDERDRAIN IN STONE BEDDING.
Elevation					
Emergency Spillway					
Elevation	763.0	763.55			Elevations taken from GRAEF 2012 asbuilt inspection, visually inspected and appears consistent and in good condition
Length of spillway (feet)	14	30			Dimensions taken from GRAEF 2012 asbuilt inspection, visually inspected and appears consistent and in good condition
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X		Per GRAEF 2012 asbuilt report, one tree planted in slightly different location than design. Should have little impact to pond functionality. Animal burrows present along eastern slope (see photos)		
Animal burrows or slope erosion	X				
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	30" HDPE / CMP end section		East embankment		Good condition
Outfall 2					
Outfall 3					

Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation <i>(Wet Ponds)</i>					X	Design and actual elevations taken from GRAEF (2012 asbuilt inspecton) asbuilt. Visually verify and consistent. Calculations of asbuilt condition per GRAEF (2012 inspection) indicates asbuilt condition satisfies design/permitted capacity, flow and pollutant reduction requirements.
Design High Water Elevation	763.08	763.69				
Area at Normal Water Elevation (Ac) (Wet Ponds)					X	
Area at Design High Water Elevation (Ac)	0.09	0.098				
Active Storage Available (Ac-Ft)*	0.148	.203				
Lowest Elevation at Top of Embankment (If Applicable)	765.0	764.4				
Average Elevation at Top of Embankment (If Applicable)	765.0	764.6				
Maximum Bottom Elevation	761.0	761.1				
Average Pond Bottom Elevation	761.0	760.5				
Pond Bottom Area (Ac)					X	
Maximum Pond Depth					X	
Average Pond Depth					X	
Average Permanent Pool Depth <i>(Wet Ponds)</i>					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><i>Sketch Outlet or Attach to Document</i></p> <p>See Attached photos for May 2017 conditions</p>	<p><i>Place Photograph of Pond or Attach to Document</i></p>
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Place Photograph of Pond or Attach to Document

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

Inspection Firm: Ruekert|Mielke, Inc Inspector Name : Christopher M. Genellie
Phone Number: (262)953-3048 Inspection Date: May 17, 2017
Address: W233 N2080 Ridgeview
Parkway
Waukesha, WI 53188

Certifying Professional Christopher M. Genellie
Name:
Phone Number: (262) 953-3048



Date: May 24, 2017 Signature: Christopher M. Genellie

10-3-2012