



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 Name of Business/Subdivision We Energies Menomonee Falls  
Section 1, T8N, Service Center  
R18E

Property Tax ID W140 N9100 Lilly Road  
Number 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 2011 Year of Last 2012  
Constructed Certification Asbuilt by  
\_\_\_\_\_  
GRAEF

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

Compliance Verification	Design	Actual	Compliant Yes No		Comments
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					NOT APPLICABLE
Elevation					
<b>Other (Description)</b>					
Opening Type and Size (inches)					4-INCH UNDERDRAIN IN STONE BEDDING.
Elevation					
<b>Emergency Spillway</b>					
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
<b>Embankment</b>	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				
<b>Storm Sewer Outfalls</b>	Type & Size		Location	Comments	
Outfall 1	30" HDPE / CMP end section		East embankment	Good condition	
Outfall 2					
Outfall 3					

Storage Properties	Design	Actual	Compliant Yes	Compliant No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)					X	Design and actual elevations taken from GRAEF (2012 asbuilt inspecton) asbuilt. Visually verify and consistent.
Design High Water Elevation	763.08	763.69				
Area at Normal Water Elevation (Ac) (Wet Ponds)					X	Calculations of asbuilt condition per GRAEF (2012 inspection) indicates asbuilt condition satisfies design/permited capacity, flow and pollutant reduction requirements.
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 (Wet Ponds)					X	

\*To Determine Active Storage  $V=H/3(A1+A2+(A1xA2)1/2)$

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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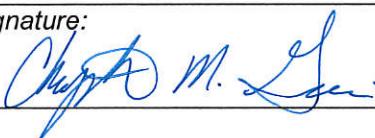
Place Photograph of Pond or Attach to Document

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: 



10-3-2012