



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  
Property Tax ID Number  
Date 6/13/2019

NW 1/12 Sec. 2  
MNFV0006999  
003

Name of Business/Subdivision  
Address of Property  
FedEx Ground  
N96 W15009 County Line Road  
Menomonee Falls, WI 53051

Dry Pond		Location of Pond	
Wet Pond	X		Lot 2 CSM 7084
Other			SE corner of property
	Pond ID: <u>SWP02N015</u>		

Year Pond Constructed 2014 Year of Last Certification 2015

Compliance Verification	Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>					Outlet Pipe Material
Opening Diameter (inches)	15"	15"	X		RCP
Upstream Invert	804.00	803.96	X		
Downstream Invert	800.99	801.19	X		
Length (feet)	70	65	X		
Slope (%)	4.3%	4.3%	X		
<b>Secondary Outlet Pipe</b>	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>	(If Applicable)				Riser Material
Opening Diameter (inches)	36	36	X		RCP standpipe with metal skimmer grate
Elevation	811.50	811.31	X		
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	10	10	X		Trees are growing near pipe. Remove.
Elevation	806.00	805.92	X		

Compliance Verification	Design	Actual	Compliant Yes      No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					
<b>Other (Description)</b>					
Opening Type and Size (inches)					
Elevation					
<b>Emergency Spillway</b>					
Elevation	814	813.8	X		
Length of spillway (feet)	40	40	X		
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X				
Animal burrows or slope erosion		X			
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1	24" HDPE		NW Corner		Endwall has fallen off. Severe bank erosion. Replace Riprap.
Outfall 2	30" HDPE		NE Corner		Sumac growing on top of pipe. Replace Riprap
Outfall 3					
<b>Storage Properties</b>	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	806.00	805.92	X		
Design High Water Elevation	813.68	813.68	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.72	0.73	X		
Area at Design High Water Elevation (Ac)	1.28	1.31	X		
Active Storage Available (Ac-Ft)*	1.04	1.02	X		
Lowest Elevation at Top of Embankment (If Applicable)	814.00	813.60	X		
Average Elevation at Top of Embankment (If Applicable)	814.00	813.8	X		
Maximum Bottom Elevation	800.00	800.00	X		
Average Pond Bottom Elevation	800.00	800.00	X		
Pond Bottom Area (Ac)	0.32	0.32	X		
Maximum Pond Depth	14.00	13.80	X		
Average Pond Depth	6.00	6.00	X		
Average Permanent Pool Depth (Wet Ponds)	6.00	6.00	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

Sketch Outlet or Attach to Document

Place Photograph of Pond or Attach to Document

Place Photograph of Pond or Attach to Document

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

Inspection Firm: Quam Engineering, LLC  
Phone Number: 262-353-9766  
Address: 122 Wisconsin Street  
West Bend, WI 53095

Inspector Name : Jacob Rosbeck  
Inspection Date: 6/12/2019

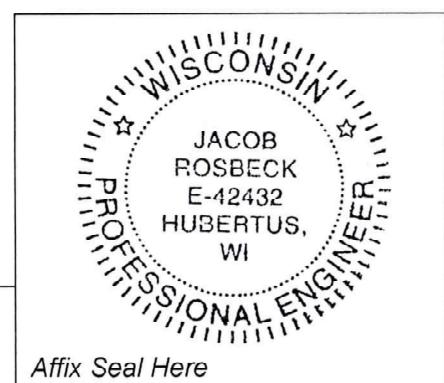
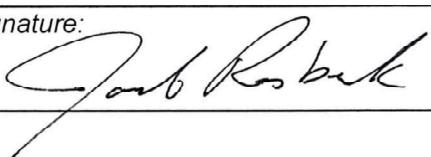
Certifying Professional

Name: Jacob Rosbeck, P.E.  
Phone Number: 262-353-9766

Date:

6/13/19

Signature:



Affix Seal Here