



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 NW 1/12 Sec. 2 Name of Business/Subdivision FedEx Ground
Property Tax ID Number MNFV0006999 Address of Property N96 W15009 County Line Road
Date 6/13/2019 Pond ID: SWP02N015
Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Location of
Pond

Lot 2 CSM 7084

SE corner of property

Pond ID: SWP02N015

Year Pond
Constructed

2014

Year of Last
Certification

2015

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				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	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)				
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	36	36	X	RCP standpipe with metal skimmer grate
Elevation	811.50	811.31	X	
Upper Discharge Control	(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	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	814	813.8	X			
Length of spillway (feet)	40	40	X			
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	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						
Storage Properties	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 $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

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

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:

Jacob Rosbeck

Affix Seal Here