



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 NE 1/4 Section 24 Name of Business/Subdivision Tailored Label Products
Property Tax ID Number MNFV0093975006 Address of Property W126 N7180 Highland Drive
Date June 16, 2022 Menomonee Falls, WI 53051

Dry Pond		Location of Pond	South side of the site, along south property line
Wet Pond	X		
Other			

Pond ID: SWP Wet Pond
SWP24N013

Year Pond Constructed 2022 Year of Last Certification 2022

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	12"	12"	X		
Upstream Invert	788.69	788.79	X		
Downstream Invert	782.19	782.12	X		
Length (feet)	144.4	145.3	X		Outlet Pipe Material = HDPE
Slope (%)	4.50	4.59	X		
Secondary Outlet Pipe	(If Applicable) NA				
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable) NA				
Opening Diameter (inches)					
Elevation					
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	7"	7"	X		
Elevation	790.75	790.58	X		See model analysis of as-built conditions

Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	4.5"	4.5"	X		
Elevation	789.00	788.85	X		
Other (Description)					
Opening Type and Size (inches)	6' Sharp-crested weir	6' Sharp-crested weir			See model analysis of as-built conditions
Elevation	793.50	793.34	X		
Emergency Spillway					
Elevation	794.75	794.47	X		See model analysis of as-built conditions
Length of spillway (feet)	30'	32'	X		See model analysis of as-built conditions
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 STO FES 100	12" FES		NW Corner of pond		
Outfall 2 STO FES 200	36" FES		NE Corner of pond		
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Comments
Normal Water Elevation (Wet Ponds)	789.00	788.85	X		See model analysis of as-built conditions
Design High Water Elevation	793.55	793.48	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	1.1	1.1	X		
Area at Design High Water Elevation (Ac)	1.4	1.4	X		
Active Storage Available (Ac-Ft)*	6.0	6.1	X		
Lowest Elevation at Top of Embankment (If Applicable)	795.75	795.34*	X		***Depth = top of embankment to pond bottom
Average Elevation at Top of Embankment (If Applicable)	795.75	795.50	X		
Maximum Bottom Elevation	774.00	777.08	X		
Average Pond Bottom Elevation	774.00	777.08	X		
Pond Bottom Area (Ac)	0.41	-			The design had an extra deep pool in order to produce extra fill for the project. It was not needed so the contractor did not excavate as deep as designed.
Maximum Pond Depth	21.75	18.26***	X		
Average Pond Depth	21.75	17.44	X		
Average Permanent Pool Depth (Wet Ponds)	15.00	10.79	X		

*To Determine Active Storage $V=(H/3)(A_1+A_2+(\sqrt{A_1A_2}))$

Wet Ponds Use $H = \text{Height of Section}$, $A_1 = \text{area at normal water elevation}$, $A_2 = \text{area at top section}$

Dry Ponds Use $H = \text{Height of Section}$, $A_1 = \text{pond bottom area}$, $A_2 = \text{area at top section}$

*Note (as-built condition):
100-yr HWE = 793.48
E. Spillway Elev. = 794.47
Top of Embank. = 795.34

TLP Storm Water Management Facility

SWP Wet Pond



View looking west.



View looking east.

Sketch Outlet or Attach to Document

Place Photograph of Pond or Attach to Document

See attached

Place Photograph of Pond or Attach to Document

See attached

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

Inspection Firm: R.A. Smith, Inc.

Inspector Name : Chaput Land Surveys / Bob Harley & Chris
White – SDS Division, raSmith

Phone Number: (262) 781-1000

Inspection Date: June 2022

Address: 16745 W Bluemound Road
Brookfield, WI 53005

Certifying Professional

Name: Christopher White

Phone Number: (262) 317-3286

Date:

June 16, 2022

Signature:

Christopher White

Affix Seal Here

