



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	Name of Business/Subdivision	RCH Holdings, LLC
Property Tax ID Number	MNFV0053969	Address of Property	Appleton Avenue Menomonee Falls
Date	06/19/2017		

Dry Pond		Location of Pond	Northeast corner of the lot
Wet Pond	X		
Other			

Pond ID: SWP

Year Pond Constructed	2012	Year of Last Certification	2012
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Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	12	12	X		RCP
Upstream Invert	797.50	797.48	X		
Downstream Invert	797.32	797.28	X		
Length (feet)	35	35	X		
Slope (%)	0.5	0.57	X		
Secondary Outlet Pipe					
Opening Diameter (inches)					Outlet Pipe Material
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser					
Opening Diameter (inches)	24	24	X		Riser Material
Elevation	802.00	801.92	X		
Upper Discharge Control					
Opening Diameter (inches)	3.5	4		X	
Elevation	800.10	800.02	X		

Compliance Verification	Design	Actual	Compliant Yes	No	Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	2.8	2.8	X		
Elevation	797.50	797.48	X		
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	802.50	802.91		X	
Length of spillway (feet)	30	12		X	
Embankment	Present Yes		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	12" HDPE		West Side of Pond		
Outfall 2	12" HDPE		South Side of Pond		
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	797.50	797.48	X		
Design High Water Elevation	801.5	801.28	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.06	0.068	X		
Area at Design High Water Elevation (Ac)	0.150	0.152	X		
Active Storage Available (Ac-Ft)*	0.397	0.573	X		
Lowest Elevation at Top of Embankment (If Applicable)	802.5	802.91	X		
Average Elevation at Top of Embankment (If Applicable)	802.55	803.60		X	
Maximum Bottom Elevation	794.50	794.5	X		
Average Pond Bottom Elevation	794.50	794.5	X		
Pond Bottom Area (Ac)	0.0155	0.0155	X		
Maximum Pond Depth	9.5	9.5	X		
Average Pond Depth	8.05	9.10	X		
Average Permanent Pool Depth (Wet Ponds)	3.0	3.0	X		

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

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

(See As-Built Detention Pond Plan
From 12/18/2012)



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

Inspection Firm: Quam Engineering, LLC
Phone Number: (262) 338-6641
Address: 1519 E Washington St.
Suite A
West Bend, WI 53095

Inspector Name: Kevin Parish
Inspection Date: 6/15/2017

Certifying Professional
Name: Kevin J. Parish, P.E.
Phone Number: (262) 338-6641



Date: <u>6-19-2017</u>	Signature: <u>Kevin Parish</u>
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