



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 26 NE Name of Business/Subdivision MILL RIDGE SUBDIVISION
 Property Tax ID Number 0101070 Address of Property _____

Dry Pond	
Wet Pond	X
Other	

Description: SWP26N001
P-82 U-403

Location Of Pond SOUTHWEST CORNER OF
MILL RD & LILLY RD

Year Pond Constructed 1992 Year of Last Certification UNKNOWN

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	15" RCP	15" RCP	-	-	15" RCP IN GOOD CONDITION ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert (IN26N008)	-	769.82	-	-	
Downstream Invert (OT26N015)	-	769.79	-	-	
Length (feet)	60.0 FT	64.5 FT	-	-	
Slope (%)	-	0.0004%	-	-	
Secondary Outlet Pipe	N/A				Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
Riser	N/A				Riser Material
Opening Diameter (inches)			-	-	
Elevation			-	-	
Upper Discharge Control	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant		Comments
			Yes	No	
Lower Discharge Control	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	
Other (Description)	N/A				
Opening Type and Size (inches)			-	-	
Elevation			-	-	
Emergency Spillway					
Elevation			-	-	
Length of spillway (feet)			-	-	
Embankment	Present Yes No		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	-	N	MUSKRAT/BEAVER OBSERVED IN POND NEAR OT26N002 OUTFALL @ WEST END OF POND		
Animal burrows or slope erosion or hole	-	N			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1 (OT26N002)	RCP – 36"		WEST POND		END SECTION SEPARATE FROM STORM SEWER
Outfall 2					
Outfall 3					
Storage Properties	Design (NON- ASBUILT)	Actual (GPS)	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	770.00	769.92	-	-	GPS EQUIPMENT: SOKKIA GSR2700ISX & CARLSON SURVEYOR+ WITH SURV CE v1.7
Design High Water Elevation	772.00	771.30	-	-	
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	1.672 AC	-	-	
Area at Design High Water Elevation (Ac)	-	1.784 AC	-	-	
Active Storage Available (Ac-Ft)*	-	2.445 ACFT	-	-	
Lowest Elevation at Top of Embankment (If Applicable)	772.00	771.30	-	-	
Average Elevation at Top of Embankment (If Applicable)	772.00	771.80	-	-	
Maximum Bottom Elevation	768.00	767.77	-	-	
Average Pond Bottom Elevation	760.83	761.75	-	-	
Pond Bottom Area (Ac)	-	-	-	-	
Maximum Pond Depth	14.0 FT	14.2 FT	-	-	
Average Pond Depth	11.17 FT	9.55 FT	-	-	
Average Permanent Pool Depth (Wet Ponds)	9.17 FT	8.17 FT	-	-	

*To Determine Active Storage $V = \left(\left(\frac{H}{3} \right) \left(A1 + A2 + \left(\left(A1 + A2 \right)^{\frac{1}{2}} \right) \right) \right)$

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

Mill Ridge Retention Pond – SWP26N001

Overview



Outlet OT26N002



Mill Ridge Retention Pond – SWP26N001

Inlet IN26N008



Outlet OT26N015



Inlet IN26N009



Outlet OT26N016



Emergency Spillway



Looking E to Lilly Rd



Looking W from Lilly Rd

Mill Ridge Retention Pond – SWP26N001

Repairs Needed (12/2010)

Outlet OT26N002



- End section of pipe pushed off storm sewer pipe.
- Muskrat/Beaver nearby.

Outlet OT26N008



- End pipe section pushed off storm sewer pipe.

Mill Ridge Retention Pond – SWP26N001

Repairs Needed (12/2010) (Continued)

IN26N009



- End section damaged.

Sketch Outlet

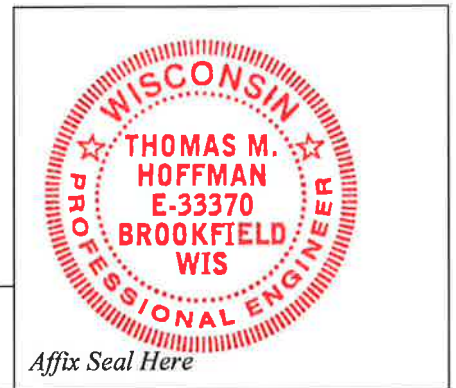
Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: VILLAGE OF
MENOMONEE FALLS
Phone Number: 262-532-4411
Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

Inspector Name : CHRISTOPHER M GARIEPY
Inspection Date: 10/29/2010

Certifying
Professional Name: Thomas M Hoffman
Phone Number: 262-532-4415



Date: 7/23/2014

Signature: Thomas M Hoffman

2010

260001

$$H = 1.38'$$

$$A_1 = 1.672 \text{ AC}$$

$$A_2 = 1.784 \text{ AC}$$

Mill B Ridge Pond

$$V = \left(\frac{H}{3}\right)(A_1 + A_2 + \sqrt{A_1 A_2})$$

$$V = \left(\frac{1.38'}{3}\right)(1.672 \text{ AC} + 1.784 \text{ AC} + \sqrt{1.672 \text{ AC} \cdot 1.784 \text{ AC}})$$

$$V = (0.46')(3.456 \text{ AC} + \sqrt{3.456 \text{ AC}})$$

$$V = (0.46')(3.456 \text{ AC} + 1.859 \text{ AC})$$

$$V = (0.46')(5.315 \text{ AC})$$

$$\underline{\underline{V = 2.445 \text{ AC FT}}}$$

CMG 12/16/10

**Mill & Lilly - MNFV0101070
Pond Inspection 102910 CMG**

