

Rec 10/10/12

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: 1/2 NW 1/4 Section 34 T8N R20E Name of Business/Subdivision: ProHealth Care

Property Tax ID Number: MNFV 0134.991 Address of Property Formerly Medical Associates

W165 N5595 Creekwood Crossing

Menomonee Falls, WI

Dry Pond	
Wet Pond	X
Other	

Location of

Pond

Description: SWP 34N002
Irregular shaped wet pond
with 6-inch outlet pipe

South side of parking lot, west

of Creekwood Crossing

Year Pond Constructed 2007

Year of Last Certification: 2007

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter	6-inches	6-inches	X		Outlet pipe was clean and in good condition
Upstream Invert	835.99-ft	836.02-ft	X		
Downstream Invert	830.72-ft	830.62-ft	X		Bottom of Manhole was surveyed for Actual due to invert off to side in manhole
Length	27-ft	27-ft	X		
Slope	19.5%	20%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter	NA	NA			
Upstream Invert	NA	NA			
Downstream Invert	NA	NA			
Length	NA	NA			
Slope	NA	NA			
Riser (If Applicable)					
Opening Diameter	NA	NA			
Elevation	NA	NA			
Upper Discharge Control (If Applicable)					
Opening Diameter	NA	NA			
Elevation	NA	NA			
Lower Discharge Control (If Applicable)					
Opening Diameter	NA	NA			
Elevation	NA	NA			
Other (Description)					
Opening Type	NA	NA			
Elevation	NA	NA			

Compliance Verification	Design	Actual	Compliant Yes No		Comments
	Emergency Spillway				
Elevation	837.5-ft	836.7-ft		X	Elevation is lower than design; spillway functioning like a 2 nd outlet at 2-yr storm
Length of Spillway	18	NA	X		
Secondary Spillway					
Elevation	838.21-ft	838.20-ft	X		Located on the south side of pond
Length of Spillway	NA	NA	X		Secondary spillway connects to subdivision swale
Embankment			Present Yes	No	
	Unauthorized plantings, trees, or woody vegetation			X	All plantings around the pond appear to be by design
Animal burrows or slope erosion			X		Erosion on the northeast side of the pond from parking lot runoff. Repairs forthcoming in 2012/2013.
Storage Properties					
Storage Properties	Design	Actual	Complaint Yes	No	Points Surveyed
	Normal Water Elevation (Wet Ponds)	836-ft	835.95-ft	X	1 - Point
Design High Water Elevation	837.87-ft	~838-ft	X		NA
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.169	0.165	X		Design area based on as-built figure
Area at Design High Water Elevation (Ac)	0.394	0.422	X		Design area based on as-built figure; Actual area based on top of berm equal to ~838-ft on as-built figure
Active Storage Available (Ac-Ft)*	0.372	0.425	X		Design storage calc. based on as-built figure; Actual storage based on top of berm equal to ~838-ft on as-built figure
Lowest Elevation at Top of Embankment (If Applicable)	838.21-ft	838.20-ft	X		4 - Points
Average Elevation at Top of Embankment (If Applicable)	NA	NA			
Maximum Bottom Elevation	830-ft	832.22-ft	X		5 - Points
Average Pond Bottom Elevation	830-ft	831.6-ft	X		5 - Points

Village of Menomonee Falls
 W156 N8480 Pilgrim Road
 Menomonee Falls, WI 53051-3140
 Telephone: (262) 532-4200

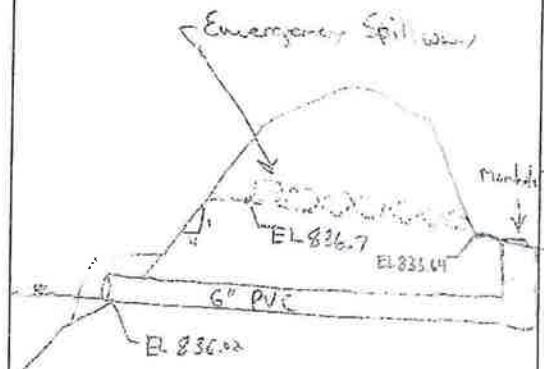
Storage Properties (Continued)	Design	Actual	Complaint		Points Surveyed	Equipment Used
			Yes	No		
Pond Bottom Area (Ac)	0.012	NA				Design bottom area based on As-Built Figure; could not confirm actual since below water level.
Maximum Pond Depth	8-ft	5-ft	X		4 - Points	Normal water level not changed
Average Pond Depth	6-ft	4.5-ft	X		4 - Point	Normal water level not changed

*To Determine Active Storage $V=H/3(A1+A2+(A1*A2)1/2)$

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



Place Photograph of Pond

See attached

Place Photograph of Pond

See attached

Inspection Firm: Natural Resource Tech. Inspector Name: Rick Gauthier
Phone Number: 262-523-9000 Inspection Date: 9/14/12 and 9/17/12
Address: 23713 W. Paul Rd.
size Q
Pewaukee, WI 53072

Certifying

Professional Name: Heather M. Simon
Phone Number: 262-522-1207

Date:

10/8/12

Signature:

Heather M. Simon

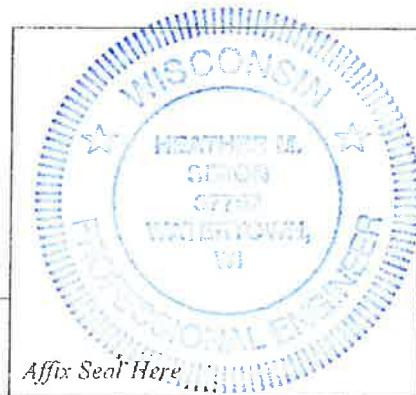


Photo Number: 1
Date of Photo: 9/14/2012

**Description: Storm Water
Pond (looking
west/southwest)**

Creator: RJG

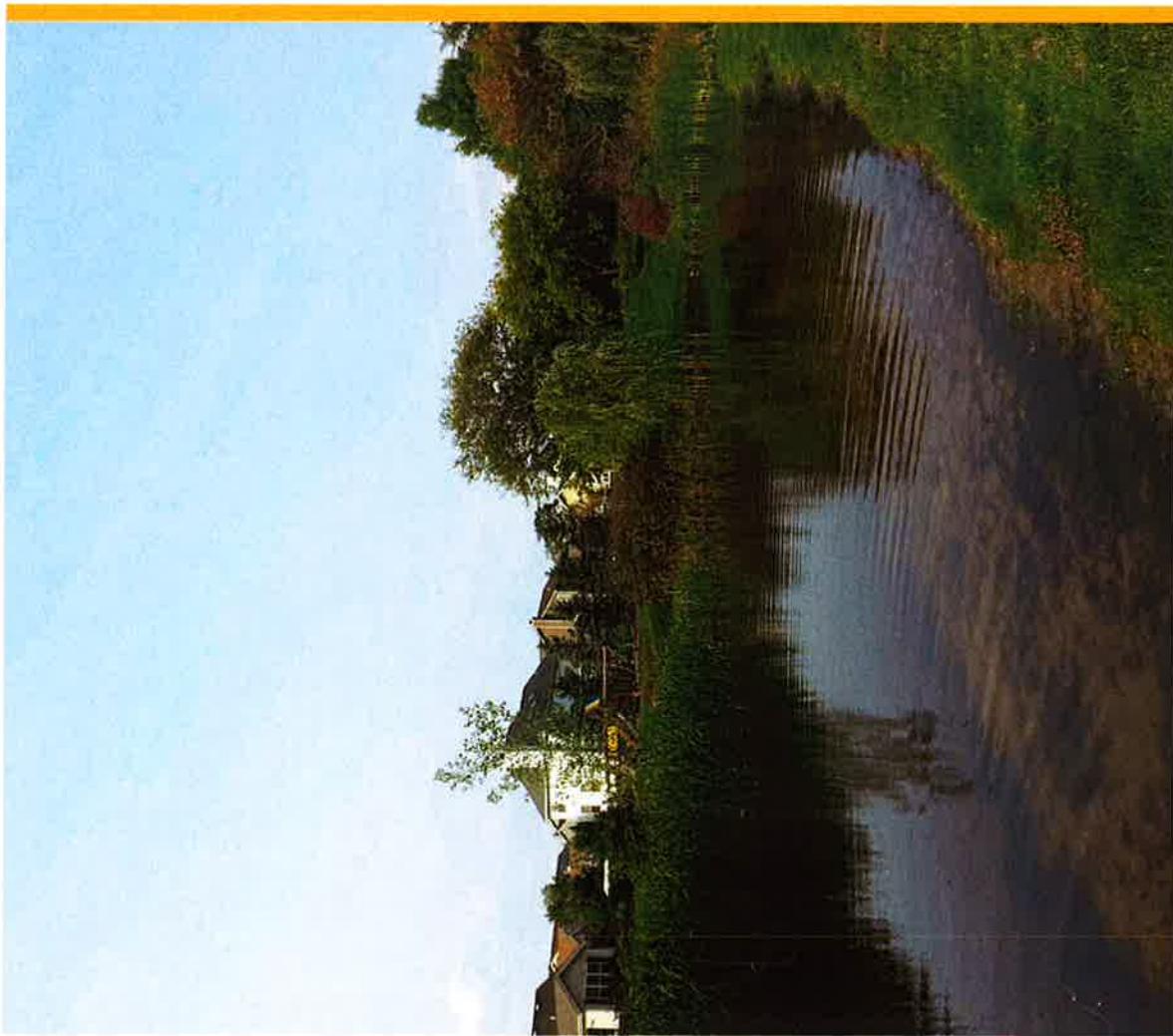


Photo Number: 2
Date of Photo: 9/14/2012

Description: **Emergency
Spillway (looking west).**

Creator: **RJG**

