



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 _____ Name of Business/Subdivision Harley Davidson Pilgrim Road LLC
 Property Tax ID Number MNFV00079 Address of Property W156 N9000 Pilgrim Road
 Date 4/10/17 & 6/7/17 & 7/21/17 _____ Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Location of Pond Located along south side of the facility
 Pond ID: SWP02s002

Year Pond Constructed ???? Year of Last Certification 2012

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	36"	36"	X		
Upstream Invert	768.15	768.54	X		
Downstream Invert	?				
Length (feet)	?				
Slope (%)	?				
Secondary Outlet Pipe (If Applicable)					Outlet Pipe Material
Opening Diameter (inches)	N/A	N/A			
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					Riser Material
Opening Diameter (inches)	N/A	N/A			No riser pipe provided
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)	Weir	Weir			
Elevation	774.00	774.4	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	??	6"			Not shown on design plans	
Elevation	??	772.41				
Other (Description)						
Opening Type and Size (inches)	N/A	N/A				
Elevation						
Emergency Spillway						
Elevation	775	773.8				
Length of spillway (feet)	12'	12' approx	X			
Embankment	Present		Comments/Maintenance Requirements			
	Yes	no				
Unauthorized Plantings, trees, or woody vegetation	X		Isolated areas with woody vegetation on north and south embankments and by 72" outfall;			
Animal burrows or slope erosion	X					
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	72" concrete		West end of pond		Outfall section disconnected – see photos	
Outfall 2	12" concrete		North side of pond		Outfall section disconnected – see photos	
Outfall 3	12" concrete		North side of basin		Good condition	
Outfall 4	12" concrete		North side of basin		Submerged	
Outfall 5	19"x30" concrete		North side of basin		Outfall section disconnected	
Outfall 6	18" PVC		NE side of basin		Good condition	
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	774	773.7	X			GPS survey unit for ground shots; depth finder and survey rod for pond bottom
Design High Water Elevation	777.63	777.63	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	4.24	4.21	X			
Area at Design High Water Elevation (Ac)	5.12	4.99	X			
Active Storage Available (Ac-Ft)*	16.99	18.07	X			
Lowest Elevation at Top of Embankment (If Applicable)	>778	>778	X			
Average Elevation at Top of Embankment (If Applicable)	>778	>778	X			
Maximum Bottom Elevation	764	764	X			
Average Pond Bottom Elevation	765	764.32	X			
Pond Bottom Area (Ac)	2.79	2.61	X			
Maximum Pond Depth	13.63	13.63	X			
Average Pond Depth	12.63	13.31	X			
Average Permanent Pool	9.00	9.38			X	

Depth (Wet Ponds)					
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*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

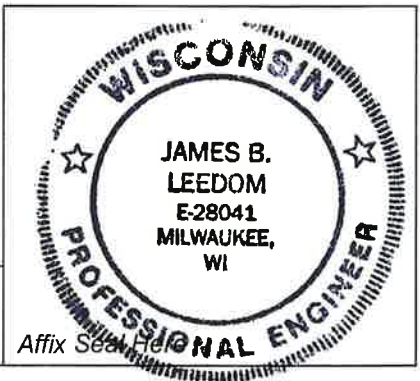
Dry Ponds Use H = Height of Section, $A1$ = pond bottom area, $A2$ =area at top section

<p>Sketch Outlet or Attach to Document</p> <p>See attached</p>	<p>See attached</p> <p style="text-align: center;"><i>Place Photograph of Pond or Attach to Document</i></p>
	<p>See attached</p> <p style="text-align: center;"><i>Place Photograph of Pond or Attach to Document</i></p>

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

Inspection Firm:	<u>The Sigma Group</u>	Inspector Name :	<u>James Leedom, P.E.; Kevin Slottke, RLS</u>
Phone Number:	<u>414-643-4200</u>	Inspection Date:	<u>4/10/17 & 6/7/17</u>
Address:	<u>1300 W. Canal Street</u>		
	<u>Milwaukee, WI 53233</u>		

Certifying Professional E-24081
 Name: James B. Leedom, P.E.
 Phone Number: 414-643-4200



Date:	Signature:
7/28/17	



Pond I.D. #SWP02s002

Looking west across basin. Note woody vegetation.



Pond I.D. #SWP02s002

Disconnected outfall



Pond I.D. #SWP02s002
Disconnected 72" outfall



Pond I.D. #SWP02s002
Looking east across pond. Note woody vegetation.



Pond I.D. #SWP02s002
Woody vegetation by 72" outfall



Pond I.D. #SWP02s002
Outlet control structure.



Pond I.D. #SWP02s002
Outlet control structure



Pond I.D. #SWP02s002
Basin spillway on south side of basin



Pond I.D. #SWP02s002
Basin spillway—south side of basin



Pond I.D. #SWP02s001
Looking west across basin



Pond I.D. #SWP02s001
Looking east across basin



Pond I.D. #SWP02s001
Outlet structure



Pond I.D. #SWP02s001
Secondary basin outlet