



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
 Property Tax ID Number

MNFV00079
 99002

Name of Business/Subdivision

Harley Davidson Pilgrim Road LLC

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	

Pond ID: SWP02s002

Location of
 Pond

Located along south side of the
 facility

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 Yes No	Comments	
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 Yes no		Comments/Maintenance Requirements		
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 Yes No	Not Applicable	Equipment Used
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 $V=H/3(A1+A2+(A1 \times A2)/2)$

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 attached

See attached

Place Photograph of Pond or Attach to Document

See attached

Place Photograph of Pond or Attach to Document

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

Inspection Firm: The Sigma Group
Phone Number: 414-643-4200
Address: 1300 W. Canal Street
Milwaukee, WI 53233

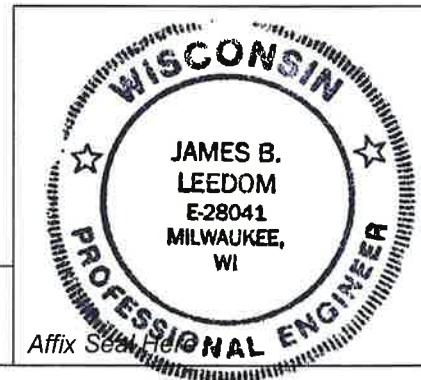
Inspector Name: James Leedom, P.E.; Kevin Slottke, RLS
Inspection Date: 4/10/17 & 6/7/17

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

Date:	Signature:
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7/28/17

J. B. L.





Pond I.D. #SWP02s002

Looking west across basin. Note woody vegetation.



Pond I.D. #SWP02s002

Disconnected outfall

**Harley Davidson Pilgrim Road Facility Storm
Water Inspection**

Menomonee Falls, WI

April 10, 2017

Sigma Project Number: #16636



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

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Pond I.D. #SWP02s001
Outlet structure



Pond I.D. #SWP02s001
Secondary basin outlet