



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
99002
 Date 4/10/17 & 6/7/17 Menomonee Falls, WI 53051

Dry Pond	X
Wet Pond	
Other	

Location of Pond _____
 Located by NE corner of facility

Pond ID: SWP02s001

Year Pond Constructed 2007? 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)	??	10"			PVC; good condition
Upstream Invert	??	774.08			
Downstream Invert	??	773.79			
Length (feet)	25'	25'			
Slope (%)	??	1.16%			
Secondary Outlet Pipe (If Applicable)					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		Concrete; good condition
Upstream Invert	773.6	773.76	X		
Downstream Invert	772.75	772.8	X		
Length (feet)	89'	89'	X		
Slope (%)	1.02%	1.08%	X		
Riser (If Applicable)					Riser Material
Opening Diameter (inches)	??	28"			Primary overflow riser - Concrete manhole section with 28" inlet grate; good condition
Elevation	??	776.6			
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)	??	N/A			No upper discharge observed
Elevation	??	N/A			

Compliance Verification	Design	Actual	Compliant		Comments	
	(If Applicable)		Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	??	3"				
Elevation	??	775.12				
Other (Description)						
Opening Type and Size (inches)	??	23"			Secondary overflow riser; concrete manhole section with 23" diameter inlet grate; good condition	
Elevation	777.83	777.86	X			
Emergency Spillway						
Elevation		N/A			No apparent spillway provided; secondary overflow riser provided	
Length of spillway (feet)		N/A				
Embankment	Present		Comments/Maintenance Requirements			
	Yes	no				
Unauthorized Plantings, trees, or woody vegetation		X	Embankments in good condition			
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	8" pvc		SW Corner of Basin		Good condition	
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)					X	GPS survey unit
Design High Water Elevation	773.66	773.79	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)					X	
Area at Design High Water Elevation (Ac)	0.25	0.29	X			
Active Storage Available (Ac-Ft)*	0.46	0.64	X			
Lowest Elevation at Top of Embankment (If Applicable)					X	
Average Elevation at Top of Embankment (If Applicable)					X	
Maximum Bottom Elevation	776	776.3	X			
Average Pond Bottom Elevation	775.5	775.64	X			
Pond Bottom Area (Ac)	0.15	0.16	X			
Maximum Pond Depth	2.83	2.86	X			
Average Pond Depth	2.33	2.22	X			
Average Permanent Pool Depth (Wet Ponds)					X	

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

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

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

<i>Sketch Outlet or Attach to Document</i>	<i>See attached</i>
	<i>Place Photograph of Pond or Attach to Document</i>
<i>See attached</i>	<i>See attached</i>
	<i>Place Photograph of Pond or Attach to Document</i>

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

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

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



Date: 7/28/17 Signature: [Handwritten Signature]

Worley Davidson Pipeline Road
 Pond I.D. SURPOSED - Dry Detention Pond
 Outlet Structure Sketch

NTS

SECONDARY
 OVERFLOW
 RISER GRADE - 23" DIA
 ELEV. 777.86

PRIMARY OVERFLOW
 RISER GRADE - 28" DIA
 ELEV. 776.60

SURFACE
 GRADE

18" SECONDARY
 OUTLET PIPE

16" PRIMARY
 OUTLET PIPE


INU. 773.76

INU. 773.7

INU
 774.08

773.9

3" PVC
 INU 775.12
 (ABOVE
 GRADE)

		Made by _____ Checked by _____	
Project No. _____ Date _____	Sheet No. _____ Date _____	For _____	