



*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	NW - 1/4 SEC 15	Name of Business/Subdivision	OVERLOOK TRAIL
Property Tax ID Number	MNFV0058023	Address of Property	
Date <u>7-18-14</u>			

Dry Pond	X	Location of Pond	NE OF INTERSECTION OF TRAILS END CT. AND OVERLOOK TRAIL
Wet Pond			
Other		Pond ID:	SWP 15N001

Year Pond Constructed 2004 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant Yes      No		Comments ( Condition of Structure)
<b><i>Primary Outlet Pipe</i></b>					
Opening Diameter (inches)	36"	36"	X		Outlet Pipe Material
Upstream Invert	842.5	842.88	X		
Downstream Invert	842.23	842.58	X		
Length (feet)	140	140	X		
Slope (%)	0.19	0.21	X		
<b><i>Secondary Outlet Pipe</i></b>	(If Applicable)				
Opening Diameter (inches)					Outlet Pipe Material
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b><i>Riser</i></b>	(If Applicable)				
Opening Diameter (inches)					Riser Material
Elevation					
<b><i>Upper Discharge Control</i></b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant Yes      No	Comments			
<b>Lower Discharge Control</b>	(If Applicable)						
Opening Diameter (inches)							
Elevation							
<b>Other (Description)</b>							
Opening Type and Size (inches)							
Elevation							
<b>Emergency Spillway</b>							
Elevation	845.7	846.3	X				
Length of spillway (feet)	20	24	X				
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements				
Unauthorized Plantings, trees, or woody vegetation	X		PER CH 38-207(D)(2)M, "EMBANKMENTS (BERMS) SHALL BE KEPT CLEAR OF WOODY VEGETATION. ALSO, WOODY VEGETATION SHALL BE KEPT CLEAR FROM AREAS WITHIN 25' OF DISCHARGE STRUCTURES INCL. EMERGENCY OVERFLOW DEVICES & FROM AREAS INSIDE THE BASIN BELOW DESIGN HIGH WATER LEVEL."				
<b>Storm Sewer Outfalls</b>	Type & Size		Location	Comments			
Outfall 1	18" - CCP		WEST SIDE	INV ELEVATION = 844.79			
Outfall 2							
Outfall 3							
Storage Properties	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used		
Normal Water Elevation (Wet Ponds)				X	TRIMBLE R8 GPS IN FIELD. CALCULATIONS IN CADD.		
Design High Water Elevation	845.7	845.7	X				
Area at Normal Water Elevation (Ac) (Wet Ponds)				X			
Area at Design High Water Elevation (Ac)	0.21	0.21	X				
Active Storage Available (Ac-Ft)*	0.24	0.24	X				
Lowest Elevation at Top of Embankment (If Applicable)	846.0	845.67	X				
Average Elevation at Top of Embankment (If Applicable)	846.5	846.62	X				
Maximum Bottom Elevation	843	843.65	X				
Average Pond Bottom Elevation	843	843.87	X				
Pond Bottom Area (Ac)	0.01	0.01	X				
Maximum Pond Depth	2.7	2.05	X				
Average Pond Depth	2.7	1.83	X				
Average Permanent Pool Depth (Wet Ponds)				X.			

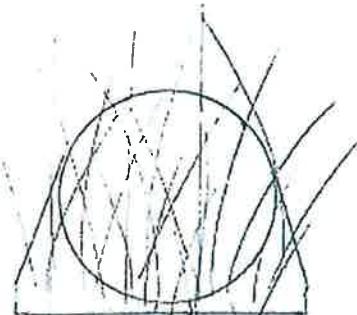
\*To Determine Active Storage  $V=H/3(A1+A2+(A1 \times A2)1/2)$

Wet Ponds Use  $H$  = 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

OUTLET AREA IS  
OVERGROWN



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

Inspection Firm: Foth Companies  
Phone Number: 414-336-7900  
Address: \_\_\_\_\_  
\_\_\_\_\_

Inspector Name : TRAVIS SEEHAWER  
Inspection Date: JULY 18 2014

Certifying Professional

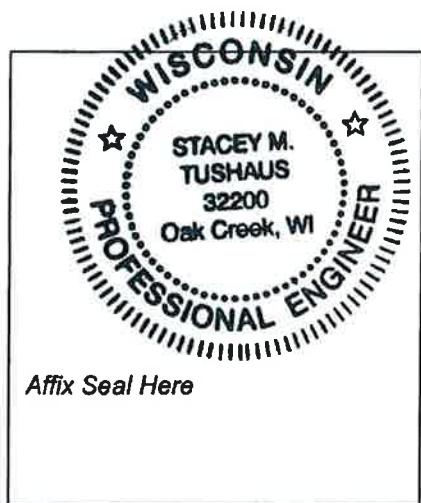
Name:

Phone Number:

Stacey Tushaus, P.E.  
(414) 336-7916

8/11/14  
Date:

Stacey Tushaus  
Signature:





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 NW - 1/4 SEC 15 Name of Business/Subdivision OVERLOOK TRAIL  
 Property Tax ID Number MNFV0058023 Address of Property \_\_\_\_\_  
 Date 7-18-14

Dry Pond		Location of Pond	EAST OF SHADY LANE
Wet Pond	X		NORTH END OF POND IS AT WILDWOOD DR
Other		Pond ID:	SWP 15N002

Year Pond Constructed 2004 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
<b>Primary Outlet Pipe</b>					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		CCP
Upstream Invert	842.0	842.10		X	UPSTREAM INVERT SHOULD BE CLEARED OF REEDS.
Downstream Invert	841.84	842.05	X		CONTINUE TO MONITOR DOWNSTREAM INVERT AS IT HAS RISEN SINCE LAST INSPECTION, CAUSING FLATTER SLOPE
Length (feet)	35	35	X		
Slope (%)	0.46	0.14	X		
<b>Secondary Outlet Pipe</b>	(If Applicable)			Outlet Pipe Material	
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>	(If Applicable)			Riser Material	
Opening Diameter (inches)					
Elevation					
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					

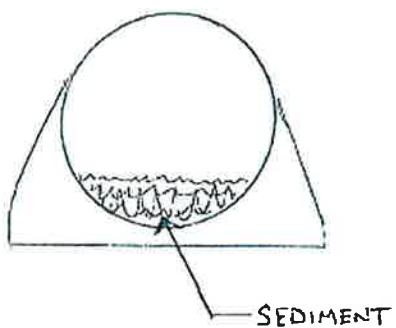
Compliance Verification	Design	Actual	Compliant Yes No	Comments			
<b>Lower Discharge Control</b> (If Applicable)							
Opening Diameter (inches)							
Elevation							
<b>Other (Description)</b>							
Opening Type and Size (inches)							
Elevation							
<b>Emergency Spillway</b>							
Elevation	845.7	846.17	X				
Length of spillway (feet)	30	25	X				
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements				
Unauthorized Plantings, trees, or woody vegetation	X		TREES ON EAST EMBANKMENT. PER CH 38-207(D)(2)M, "EMBANKMENTS (BERMS) SHALL BE KEPT CLEAR OF WOODY VEGETATION. ALSO, WOODY VEGETATION SHALL BE KEPT CLEAR FROM AREAS WITHIN 25' OF DISCHARGE STRUCTURES INCL. EMERGENCY OVERFLOW DEVICES & FROM AREAS INSIDE THE BASIN BELOW DESIGN HIGH WATER LEVEL."				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments		
Outfall 1	18" - CCP		SW CORNER				
Outfall 2	36" – CCP		SE CORNER				
Outfall 3	15" – CCP		NORTH END		SEDIMENT		
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used		
Normal Water Elevation (Wet Ponds)	842.0	841.59	X		TRIMBLE R8 GPS IN FIELD. CALCULATIONS IN CADD.		
Design High Water Elevation	845.7	845.7	X				
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.57	0.46	X				
Area at Design High Water Elevation (Ac)	1.23	1.17	X				
Active Storage Available (Ac-Ft)*	2.65	2.57	X				
Lowest Elevation at Top of Embankment (If Applicable)	845.7	845.65	X				
Average Elevation at Top of Embankment (If Applicable)	846.7	846.50	X				
Maximum Bottom Elevation	836	836.60	X				
Average Pond Bottom Elevation	836	836.83	X				
Pond Bottom Area (Ac)	0.04	0.04	X				
Maximum Pond Depth	6	4.99	X				
Average Pond Depth	6	4.76	X				
Average Permanent Pool Depth (Wet Ponds)	6	4.76	X				

\*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



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

Inspection Firm: Foth Companies  
Phone Number: 414-336-7900  
Address: \_\_\_\_\_  
\_\_\_\_\_

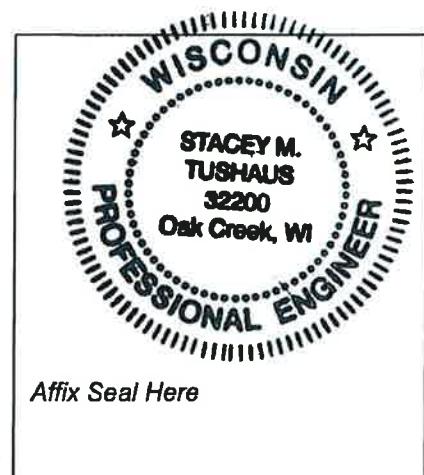
Inspector Name: TRAVIS SEEHAWER  
Inspection Date: JULY 18 2014

Certifying Professional

Name:

Phone Number:

Stacey Tushaus, P.E.  
(414) 336-7916



8/11/14

SEE / Tush  
Signature:

Date:



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  
 Date 7-18-14

NW - 1/4 SEC 15      Name of Business/Subdivision      OVERLOOK TRAIL  
MNFV0058023      Address of Property

Dry Pond		Location of Pond	
Wet Pond	X		<u>SE END OF OVERLOOK TRAIL</u>
Other			
		Pond ID:	<u>SWP</u>
			<u>15N003</u>

Year Pond Constructed      2004      Year of Last Certification      2010

Compliance Verification	Design	Actual	Compliant Yes	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>				Outlet Pipe Material
Opening Diameter (inches)	10"	10"	X	OUTLET IS UNDERWATER.
Upstream Invert	842.0	842.50	X	DOWNSTREAM INVERT IS OVERGROWN AND SHOULD BE CLEARED.
Downstream Invert	841.82	842.00		
Length (feet)	40.15	43	X	
Slope (%)	0.45	1.16	X	
<b>Secondary Outlet Pipe</b>	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)				
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
<b>Riser</b>	(If Applicable)			Riser Material
Opening Diameter (inches)				
Elevation				
<b>Upper Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)				
Elevation				

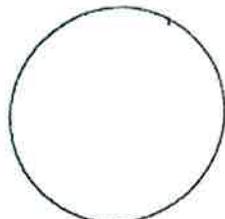
Compliance Verification	Design	Actual	Compliant Yes No	Comments		
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)						
Elevation						
<b>Other (Description)</b>						
Opening Type and Size (inches)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	848.48	848.25	X			
Length of spillway (feet)	30	25	X			
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		TREES ON EMBANKMENT. PER CH 38-207(D)(2)M, "EMBANKMENTS (BERMS) SHALL BE KEPT CLEAR OF WOODY VEGETATION. ALSO, WOODY VEGETATION SHALL BE KEPT CLEAR FROM AREAS WITHIN 25' OF DISCHARGE STRUCTURES INCL. EMERGENCY OVERFLOW DEVICES & FROM AREAS INSIDE THE BASIN BELOW DESIGN HIGH WATER LEVEL."			
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	30" - CCP		NORTH CORNER			
Outfall 2	24" - CCP		NW SIDE			
Outfall 3	24" - CCP		WEST SIDE			
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used	
Normal Water Elevation (Wet Ponds)	842.0	842.76	X		TRIMBLE R8 GPS IN FIELD. CALCULATIONS IN CADD.	
Design High Water Elevation	848.48	848.48	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.15	0.17	X			
Area at Design High Water Elevation (Ac)	0.38	0.38	X			
Active Storage Available (Ac-Ft)*	1.21	1.07	X			
Lowest Elevation at Top of Embankment (If Applicable)	848.48	848.27	X			
Average Elevation at Top of Embankment (If Applicable)	849.48	849.01	X			
Maximum Bottom Elevation	836	836.56	X			
Average Pond Bottom Elevation	836	836.89	X			
Pond Bottom Area (Ac)	0.01	0.01	X			
Maximum Pond Depth	6	6.2	X			
Average Pond Depth	6	5.87	X			
Average Permanent Pool Depth (Wet Ponds)	6	5.87	X			

\*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

**Sketch Outlet or Attach to Document**



OUTLET IS UNDER  
WATER LEVEL



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

**Inspector Name :** TRAVIS SEEHAWER  
**Inspection Date:** JULY 18 2014

**Certifying Professional  
Name:**  
**Phone Number:**

Stacy Tushaus, P.E.  
(419) 334-7916



8/11/14

*[Handwritten signature]*