



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 3, 8-20 Name of Business/Subdivision BEST BUY
 Property Tax ID Number 0010-970 Address of Property N95W16855 RICHFIELD WAY
MENOMONEE FALLS, WI

Dry Pond		Description: <u>LOT 1 CSM 9984</u>	Location Of Pond	<u>POND 2 - WEST SIDE OF</u>
Wet Pond	X			<u>LOT MIDWAY BETWEEN FRONT</u>
Other				<u>AND BACK</u>

Year Pond Constructed 2005 Year of Last Certification 2006

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
	Yes	No			
<i>Primary Outlet Pipe</i>			Outlet Pipe Material		
Opening Diameter (inches)	12"	12"	X		CONCRETE
Upstream Invert	840.40	839.81	X		
Downstream Invert	839.9	839.82	X		
Length (feet)	50	40	X		
Slope (%)	1.0%	0.03%	X		
<i>Secondary Outlet Pipe</i>	(If Applicable)		Outlet Pipe Material		
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<i>Riser</i>	(If Applicable)		Riser Material		
Opening Diameter (inches)					
Elevation					
<i>Upper Discharge Control</i>	(If Applicable)				
Opening Diameter (inches)					
Elevation					

Compliance Verification		Design	Actual	Compliant Yes No		Comments
Lower Discharge Control		(If Applicable)				
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	844.75	844.91	X			
Length of spillway (feet)	20X19	25X11	X			
Embankment		Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls		Type & Size		Location		Comments
Outfall 1						
Outfall 2						
Outfall 3						
Storage Properties		Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	840.4	840.31	X			Physically poked the bottom of the pond with an elevation rod. Appears only to have 0.10 to 0.20 feet of silt accumulation in areas checked.
Design High Water Elevation	844.75	844.91	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.18	0.25	X			
Area at Design High Water Elevation (Ac)	0.38	0.44	X			
Active Storage Available (Ac-Ft)*						
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)						
Maximum Bottom Elevation	833.0	828.12	X			
Average Pond Bottom Elevation	833.0	832.69	X			
Pond Bottom Area (Ac)	0.01	0.02	X			
Maximum Pond Depth	11.75	12.1	X			
Average Pond Depth	7.4	7.81	X			
Average Permanent Pool Depth (Wet Ponds)						

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

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

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

Sketch Outlet

SEE ATTACHED

Place Photograph of Pond

SEE ATTACHED

Place Photograph of Pond

SEE ATTACHED

Inspection Firm: ARNOLD & O'SHERIDAN Inspector Name:

Phone Number: (608) 821-8500 Inspection Date:

Address: 1111 DEMMING WAY

SUITE 200

MADISON, WI 53717

DAVID ANDRUCZYK

AUGUST 10, 2011

Certifying

Professional Name: DAVID ANDRUCZYK

Phone Number: (608) 821-8482

Date:

Signature:

Affix Seal Here