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State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Water Storage Facility Inspection Report

Form 3300-248 (R 4/18)

Notice: Pursuant to ch. NR 810.14, Wis. Adm. Code, this form, along with supporting documentation (i.e. written report, pictures, video and test results), is required to be submitted to the Department of Natural Resources (DNR) following the inspection (*) but no later than 5 years since the previous inspection date. *Public Water Systems (PWS) are required to inspect and maintain water storage facilities (defined in ch. NR 810.02(47) Wis. Adm. Code as vented reservoirs, water towers, standpipes, and treatment plant basins including ground and elevated storage structures) once every 5 years. Maintenance shall include removal of sediment and biofilm prior to evaluation. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.). *Unless otherwise noted, citations refer to Wisconsin Administrative Code.*

SECTION A - OWNER AND UNIT INFORMATION

Owner (Municipality/Facility)/Telephone	Facility Identifier (FID #)	Construction Year / Roof Membrane Year
Ridgeway Water Utility	12500873	N/A /
Storage Facility Location	**Manufacturer and Serial Number**	**Last Exterior Paint Year**
West Farwell St., Rdigeway, WI 53582	N/A	N/A
Type of Storage Facility	**Capacity (Volume in Gallons)**	**Last Interior Paint Year**
Concrete Reservoir	40,000	N/A

SECTION B - INSPECTION AGENT INFORMATION

Inspection Agent (Company)	Inspection Date
James Orr Coating Inspection LLC.	4/16/2024
Company Address	**Telephone Number**
1013 Valley Stream Dr., Madison WI 53711	608-213-8085

Certifications:
- ☐ Professional Engineer
- ☒ American Welders Society (AWS)
- ☐ Steel Structures Painting Council (SSPC)
- ☒ National Assoc. of Corrosion Engineers (NACE)

SECTION C - GENERAL INSPECTION INFORMATION

Elements below may be operational in nature and may need to be provided by the water system operator or owner.

Type of Inspection (s. NR810.14(2)):
- ☒ Complete Drain Down
- ☐ Float Down or Partial Drain Down
- ☐ Diver
- ☐ ROV
- ☐ Annual Vents/Screens/Hatches
- ☐ Other (explain)

Soak-Down Testing conducted? (Required when roof cracks are observed unless waived by WDNR field engineer.)	○ Yes ◉ No (explain) ○ Waiver
Commercial diver certification standards met (Section 12.0 of the Consensus Standards for Commercial Diving and Underwater Inspections)	○ Yes ◉ No (explain) ○ N/A
Diver/ROV equipment disinfection requirements met (200mg/l Total Chlorine)	○ Yes ◉ No (explain) ○ N/A
Chlorine residual of storage water was at or above .5mg/l for diver/ROV inspection?	○ Yes ◉ No (explain) ○ N/A
Which AWWA C652 (Disinfection of Water-Storage Facilities) method was used?	○ Method 1 ○ Method 2 ◉ Method 3
Free chlorine residual test result(s) before unit was placed into service (mg/l)?	Yes
Bacteriological test result(s) were safe before unit was placed into service?	◉ Yes ○ No (explain)
Distribution system pressure maintained ≥ 20psi during cleaning/inspection process?	◉ Yes ○ No (explain)
External Bypass/Isolation/Drain Valves Functional and Described on System Map(s)?	◉ Yes ○ No (explain)

Explanations (if applicable):
No work was performed during the tank inspection, only cleaning and chlorination.

SECTION D - PREMAINTENANCE OBSERVATIOINS

Describe observations to the right of each element. They may include clarity, color, odor, film, biofilm, staining, oil, or other concerns.

Surface (walls/ceiling) Characteristics	Concrete with some type of old coating
Water Quality Characteristics	Good
Sediment Characteristics	Sandy color
Sediment Depth and Distribution	Less than 1/4" deep
Stratification (include temperature gradients if known)	N/A
Were water/sediment/film samples collected (explain)?	No water samples were taken

SECTION E - SPECIFIC INSPECTION OBSERVATIONS

Describe observations: note whether each element is satisfactory (S), unsatisfactory (U), or is not present (not applicable - N/A). If a rating is unsatisfactory, provide an explanation to the right of the element and/or provide this information in attached documentation by referencing the inspection element's identification number.

ID	S	U	N/A	Site or Property Assessment	Explanation
1	◉	○	○	Roads and Accessibility	
2	◉	○	○	Positive Drainage	
3	○	○	◉	Vegetation (top and sides)	
4	◉	○	○	Lighting	
5	○	○	◉	Fencing	
6	◉	○	○	Security	**Doors are locked**
ID	**S**	**U**	**N/A**	**Miscellaneous or Ancillary Equipment**	**Explanation**
7	○	○	◉	Steps and Platforms	
8	○	○	◉	FPD, Rungs, Friction Brakes, Harness and Attachment	
9	○	○	◉	Safety Rails, Catwalks	
10	○	○	◉	Painter Rings and Brackets	
11	◉	○	○	Electrical Wiring/Conduits/Junction Boxes	
12	○	○	◉	Cathodic Protection System: Wiring, Anodes, Support	
13	○	○	◉	Aviation Lights	
14	○	○	◉	Antennae	
15	○	○	◉	Riser Expansion Joint, Pipe, and Hardware	
16	○	○	◉	Chemical Injection Tap/Port	**No injection tap**
17	◉	○	○	Sample Tap	
18	◉	○	○	Freeze Protection	
ID	**S**	**U**	**N/A**	**Valve Vault**	**Explanation**
19	○	○	◉	Structure or Housing	
20	○	○	◉	Drain/Sump	
21	○	○	◉	Valves/Piping	
22	○	○	◉	Electrical Equipment	
23	○	○	◉	Security	
ID	**S**	**U**	**N/A**	**Controls**	**Explanation**
24	◉	○	○	Method Used to Control Water Level (also note the type used)	
25	◉	○	○	Penetration and Seal Integrity	
26	◉	○	○	Electrical Equipment and Wiring	
27	◉	○	○	Floats, Switches, Sensors	
28	○	○	◉	Mercury Switches	**No Mercury Switches**
29	◉	○	○	Control/Electrical Box Security	
ID	**S**	**U**	**N/A**	**Mixing**	**Explanation**
30	○	○	◉	Mixing Method	
31	○	○	◉	Penetration and Seal Integrity	
32	○	○	◉	Operation and Functionality	
33	○	○	◉	General Effectiveness	

ID	S	U	N/A	Access	Explanation
34	◉	○	○	Structure and Associated Parts	
35	◉	○	○	Steel/Metal Structures (pits, corrosion, holes, buckling, etc.)	
36	◉	○	○	Lip Distance to Ground/Roof Surfaces	
37	◉	○	○	Lip, Hatch, and Hatch to Lip Overlap	
38	○	○	◉	Fit, Seal, Gaskets	
39	◉	○	○	Locking System and Security	
40	○	○	◉	Sealed Access Tube Air-Gap Boot/Seal (CBI Spheroid)	
ID	**S**	**U**	**N/A**	**Vents**	**Explanation**
41	◉	○	○	**Number and Size(s)**	**One - 6” Roof Vent**
42	◉	○	○	Structure and Associated Parts	
43	◉	○	○	Distance to Ground/Roof Surfaces (feet)	
44	◉	○	○	Screen Mesh Size (number of strands per linear inch)	
45	◉	○	○	Screen Corrosion Resistance	
46	◉	○	○	Screen (attachment method, coverage, integrity)	
47	○	○	◉	Rain, Drip, Wind Shield	
48	○	○	◉	Pressure Pallets (release/screen)	
49	○	○	◉	Security Shroud/Hood/Device	
ID	**S**	**U**	**N/A**	**Overflow**	**Explanation**
50	◉	○	○	Number and Sizes (diameter)	**One - 6” in diameter**
51	◉	○	○	Pipe Material (non-metal is prohibited)	
52	◉	○	○	Pipe Integrity	
53	○	○	◉	Air Break Distance to Splash Pad (12" to 24” required)	
54	◉	○	○	Screen Mesh Size (number of strands per linear inch)	
55	◉	○	○	Screen Corrosion Resistance	
56	◉	○	○	Screen (attachment method, coverage, integrity)	
57	○	○	◉	Flapper	
58	○	○	◉	Splash Pad (material and integrity)	
59	○	○	◉	Head Wall	
60	○	○	◉	Erosion Protection	
61	◉	○	○	Drainage (positive and safe)	
62	○	○	◉	Security Shroud/Hood/Device	
63	○	○	◉	Overflow Test Results (if overflow was tested on inspection)	
ID	**S**	**U**	**N/A**	**Foundation and Anchoring**	**Explanation**
64	◉	○	○	Supporting Soils (settling, erosion, leak evidence)	
65	◉	○	○	Final Grade is 4” to 6” Below Base Plate	
66	◉	○	○	Concrete (spall, crack, rebar, corrosion, efflorescence, etc.)	
67	○	○	◉	Anchors (anchor, bolt, thread condition/fully threaded/tight)	
68	○	○	◉	Chairs (cleanliness and condition)	
69	○	○	◉	Leg Struts and Connections	
70	○	○	◉	Column Shoes/Riser Plates (erosion/corrosion/grout seal)	
71	○	○	◉	Wind Rods (condition, tightness, pins properly secured)	

ID	S	U	N/A	Internal Observations (ceiling, walls, floor, other)	Explanation
72	◉	○	○	Compatible Materials (no wood, lead, mercury, coal tar, etc.)	
73	◉	○	○	Drain, Sump, Silt Trap	
74	◉	○	○	Control Valves and Pipes	
75	◉	○	○	Equipment Support Systems	
76	◉	○	○	Penetration Points (sealed, integrity, etc.)	
77	◉	○	○	Roof Support System (trusses, rafters, welds, etc.)	
78	◉	○	○	Concrete (spall, crack, rebar, corrosion, efflorescence, etc.)	
79	○	○	○	Pre-stressed Concrete (seams, anchors, wire winding)	
80	○	○	◉	Steel/Metal Structures (pits, corrosion, holes, buckling, etc.)	
81	○	○	◉	Internal Membrane	
82	○	○	◉	Seams (welds, gaskets, bolts, rivets, seals, etc.)	
83	○	○	◉	Mastics (gaskets, caulk, mortar, grout, rubber, epoxy, etc.)	
84	○	○	◉	Surface Coating (paint, rubber, glass, epoxy, etc.)	
85	○	○	◉	Paint Testing (thickness, adhesion, etc.)	
86	◉	○	○	Ice/Freezing Protection (explain any damage)	
ID	**S**	**U**	**N/A**	**External Observations (roof, walls, and other)**	**Explanation**
87	○	○	◉	Roof and Sidewall Drainage	Installed Metal Roof
88	○	○	◉	Cover Material (sod, foam, etc.)	
89	○	○	◉	External Membrane	
90	○	○	◉	Equipment Support Systems	
91	○	○	◉	Penetration Points (sealed, integrity, etc.)	
92	○	○	◉	Riser and Stay Rods	
93	○	○	◉	Piping and Valves	
94	○	○	◉	Concrete (spall, crack, rebar, corrosion, efflorescence, etc.)	
95	○	○	◉	Pre-stressed Concrete (seams, anchors, wire winding)	
96	○	○	◉	Steel/Metal Structures (pits, corrosion, holes, buckling, etc.)	
97	○	○	◉	Seams (welds, gaskets, bolts, rivets, seals, etc.)	
98	○	○	◉	Mastics (gaskets, caulk, mortar, grout, rubber, epoxy, etc.)	
99	○	○	◉	Surface Coating (paint, rubber, glass, epoxy, etc.)	
100	○	○	◉	Paint Testing (thickness, adhesion, etc.)	
101	◉	○	○	Ice/Freezing Protection (explain any damage)	

SECTION F - REPAIRS COMPLETED

Describe repairs made to the water storage facility or associated parts. Include names of any products used to coat or seal internal surfaces. Detailed information can be provided in supporting documentation attached to this form. Please note: WDNR plan review and approval is required prior to applying products to water storage facilities; and may be required for modification and repairs.

SECTION G - RECOMMENDATIONS

Detailed information can be provided in supporting documentation attached to this form.

RECOMMENDATIONS:1. Install hinges on the roof hatches 2. Raise the gap to 12" on the exterior overflow pipe along with fix flanges and install WIDNR approved stainless steel screening.

SECTION H - REPORTING CHECKLIST

Use the checklist below to ensure the form and submittals are complete.

Supporting Documentation (check all that apply)	☒ Pictures ☐ Video ☐ Sample Results
Unsatisfactory Observations Described	◉ Yes ○ No ○ N/A
Repairs Described	◉ Yes ○ No ○ N/A
Recommendations Described	◉ Yes ○ No ○ N/A
Written Report and Supporting Documentation Sent to Owner	◉ Yes ○ No

SECTION I - SIGNATURES

I certify that the information provided on this form is accurate and true to the best of my ability.

Inspection Agent Signature	Date April 16, 2024
Inspection Agent Printed Name James Orr Coating Inspection	Telephone Number 608-213-8085
Municipal Official or Owner Signature	Date
Municipal Official or Owner Printed Name Ridgeway Water Utility - Dale Peterson	Telephone Number 608-341-5238

SUBMITTAL INSTRUCTIONS

Submit Form 3300-248 and any narrative report, pictures, and video to the attention of the water system's WDNR regional water supply representative (https://dnr.wi.gov/topic/drinkingWater/documents/CountyContacts.pdf) at:

WDNR Northern Region
107 Sutliff Avenue
Rhinelander, WI 54501

WDNR Northeast Region
2984 Shawano Avenue
Green Bay, WI 54313

WDNR Southeast Region
2300 N. Dr. Martin Luther King, Jr. Dr.
Milwaukee, WI 54212

WDNR South Central Region
3911 Fish Hatchery Road
Fitchburg, WI 53711

WDNR West Central Region
1300 West Clairmont Avenue
Eau Claire, WI 54701