

May 14, 2026

Whitewater Aquatic Center
Attn: Jamie Lowery
580 South Elizabeth Street
Whitewater, WI 53190

SUBJECT: WATER SLIDE STRUCTURAL EVALUATION

**PROJECT: WHITEWATER AQUATIC AND FITNESS CENTER
WHITEWATER, WISCONSIN
RAMAKER AND ASSOCIATES PROJECT #64588**

Dear Mrs. Lowery:

A waterslide structural evaluation of the indoor body slide was performed by Austin Nolden, P.E. of Ramaker & Associates, Inc. for the Whitewater Aquatic and Fitness Center on April 14, 2026. The slide flume, support columns, associated tower, platform and handrails were evaluated for structural stability and integrity as required by the Wisconsin Administrative Code for Health Services. The DHS Code under Chapter 172.37, Section 2, Part C, requires this evaluation to be performed on all water slides every five years.

At this time, the slide flume, steel tower stairs and tower support columns appear to be in fair condition. The tower components have adequate structural integrity. All steel components showing signs of surface corrosion should be wire brushed and have adequate aquatic paint applied as part of routine maintenance.

The following items were noted. See photo 1 for an overall view of the slide and tower.

1. There is minor corrosion on the fasteners and hardware throughout the structure. Remove rust with a wire brush and refinish impacted areas. Items that cannot be repaired should be replaced. See photos 2, 3 and 4.
2. The paint is chipping and wearing off in multiple locations around the slide structure. The flaking paint should be removed and the impacted areas refinished to match existing to prevent further corrosion. See photos 5, 6, and 7.
3. There is cracked/deteriorating concrete in multiple locations and around some of the handrail anchors. See photos 8, 9, and 10. Ramaker recommends contacting the original slide/tower manufacturer for recommendations on how to repair these areas of concern.
4. Metal plates and a piece of strut have been installed in previous areas of concern where the concrete was deteriorating and to help strengthen the railings. The plate under the entry tub shows signs of corrosion and wear and should be replaced to prevent further deterioration. See photos 11 and 12.
5. There is a minor scratch in the flume entry tub section of the slide. This should be repaired with a fiberglass patch per manufacturer's recommendations. See photo 13.

6. Corrosion and paint wear was observed on the slide support trees. The paint and corrosion should be removed in these areas and then refinished to match the surrounding areas and prevent further corrosion. See photo 14.
7. The building roof/ceiling structural system provides support for one of the slide columns and subsequent support arms. The roof/ceiling structural system is showing surficial corrosion and should be inspected by a certified consultant to ensure the building system is still structurally sound. See photos 15 and 16.
8. There is corrosion present on the flume support tree flanges and fasteners. See photo 17. Remove rust with a wire brush and refinish impacted areas. Items that cannot be repaired should be replaced.
9. The concrete pedestal under the exit flume section of the slide is cracked and the support plate is showing signs of significant corrosion. The support pedestal and plate should be replaced. See photo 18.
10. There is minor corrosion on the slide supply coupling. Remove the rust and corrosion with a wire brush and refinish impacted area. Items that cannot be repaired should be replaced. See photo 19.

The following items were noted during the inspection but do not impact the structural integrity or use of the waterslide and tower.

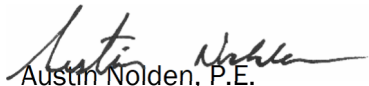
- There are fasteners within reach of patrons that are missing thread caps. Thread caps should be installed on all exposed threads within reach of patrons to avoid cuts. See photos 20 and 21.

It is concluded that the slide at the Whitewater Aquatic and Fitness Center in Whitewater, Wisconsin is structurally adequate for continued public use. All remaining noted items should be addressed in a timely manner or as part of ongoing maintenance procedures as appropriate. Note that operation and maintenance of the slides per the manufacturer's instructions along with daily inspection by pool staff should be continued such that any evolving concerns can be addressed.

If you have any questions, please contact our office.

Sincerely,

Ramaker & Associates, Inc.


Austin Nolden, P.E.
Project Manager – Aquatics

SITE PHOTOGRAPHS



1. OVERALL VIEW OF THE SLIDE



2. CORROSION ON FASTENERS



3. CORROSION ON FASTENERS



4. CORROSION ON FASTENERS



5. FLAKING/WORE PAINT AND FINISH



6. FLAKING/WORE PAINT AND FINISH

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SITE PHOTOGRAPHS



7. FLAKING/WORE PAINT AND FINISH



8. CRACKED/DETERIORATING CONCRETE



9. CRACKED/DETERIORATING CONCRETE



10. CRACKED/DETERIORATING CONCRETE



11. CORROSION ON METAL PLATE UNDER STARTING TUB



12. STRUT INSTALLED TO SUPPORT RAILINGS

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13. SCRATCH IN THE FLUME ENTRY TUB



14. CORROSION AND PAINT WEAR ON SLIDE SUPPORT TREE



15. CORROSION ON ROOF/CEILING SYSTEM



16. CORROSION ON ROOF/CEILING SYSTEM



17. CORROSION ON SUPPORT TREE FLANGE AND FASTENERS



18. CRACKED PEDESTAL AND CORRODED SUPPORT PLATE

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19. MINOR CORROSION ON SLIDE SUPPLY COUPLING



20. MISSING THREAD CAPS



21. MISSING THREAD CAPS

22. NOT USED

23. NOT USED

24. NOT USED

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