

May 6, 2025

Richland Center Parks and Recreation
Attn: Jodi Mieden
1055 North Orange Street,
Richland Center, WI 53581

SUBJECT: WATER SLIDE STRUCTURAL EVALUATION

**PROJECT: WOODMAN AQUATIC CENTER
RICHLAND CENTER, WISCONSIN
RAMAKER AND ASSOCIATES PROJECT #61448**

Dear Ms. Mieden:

A waterslide structural evaluation was performed by Austin Nolden, P.E. of Ramaker and Associates (Ramaker) for the Richland Center Park and Recreation department in Richland Center, Wisconsin on April 4th, 2025. 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 ATCP Code under Chapter 76.37, Section 2. Part C requires this inspection to be performed on all waterslides every five years.

The following slides were evaluated:

- Woodman Aquatic Center
 - o One (1) open flume body slide, See photo 1.

Currently the fiberglass slide flumes along with the steel tower appear to be in good condition though some components show signs of minor corrosion and flaking finishes. Most of the structural components maintain adequate structural integrity. As part of routine maintenance, all components showing signs of rust or surficial corrosion should be wire brushed and treated with an appropriate aquatic paint system or protective coating to match the surrounding area. All flume hardware, tower and stair hardware, slide column and support arm base plates, and connector plate bolts that are corroded to the point of being unserviceable should be replaced. The following items were noted.

1. There is minor corrosion present on the water inlet grate in the starting platform. This corrosion should be removed with a wire brush and then refinished. Items that can't be repaired should be replaced. See photo 2.
2. There are multiple locations in the slide flumes where the sealant between the flume pieces is missing. This sealant should be reapplied with the manufacturer's recommendations to prevent leaks from starting in the future. See photo 3.
3. There was one scratch observed in the lower loop of the flume that should be monitored and maintained. If this scratch becomes more severe this should be repatched with a fiberglass patch per manufacturer's recommendations. See photo 4.

4. There is minor corrosion present at the base of the slide support columns. This corrosion should be removed with a wire brush and then refinished to match the existing. See photo 5.
5. Dirt/algae was observed growing on the underside of the starting platform and stairs along with some minor corrosion. Dirt/algae can lead to further corrosion and should be removed during the regular maintenance of the pool facility. See photo 6.

The following items were noticed about the slide, but do not impact the structural integrity or use of the slide and tower:

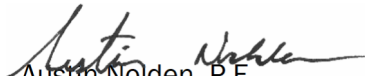
- Ramaker recommends having bolt caps provided for any bolt that is within arm's reach of pool patrons to cover exposed threads.
- The gate at the bottom of the stairs did not have a lock on it during the time of the visit. Ramaker recommends having a lock installed on the gate at the bottom of the slide tower for times when the pool is open, but the slide is not open.

It is concluded that the slide at the Woodman Aquatic Center in Richland Center, Wisconsin, is structurally adequate for public use and the previously listed items should be addressed in a timely fashion. 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 WATER INLET GRATE



3. MISSING SEALANT



4. SCRATCH IN FLUME



5. CORROSION ON BASE OF SLIDE SUPPORT



6. DIRT/ALGAE AND CORROSION UNDER PLATFORM

PROJECT NAME:

**WOODMAN AQUATIC CENTER
SLIDE EVALUATION
RICHLAND CENTER, WI**

PROJECT NUMBER:

61448

RAMAKER
employee-owned

PROJECT LOCATION:

**1055 N ORANGE STREET
RICHLAND CENTER, WISCONSIN**

RICHLAND COUNTY