

Independent Safety Officer Pre-Event Report 6/22/2024

2024 Great Lakes LSC Open Water Championships

Illinois, Iowa, Michigan, Minnesota, Wisconsin

Sanction WI2024-557OW

Lake Andrea, Pleasant Prairie Wisconsin

OW Clinic and Competition: Thursday, June 27th, 2024

I. 2024 Water Quality Testing Results for Lake Andrea

- a. Measurement of Coliform bacterial concentration.

	5/23	5/29	6/5	6/12	6/18
cfu/100 ml	1.0	1.0	1.0	1.0	3.0
Water Temp. °F	71.2	68	69.8	70.9	74.5

cfu/100 ml = colony forming units/100 ml

- b. Village of Pleasant Prairie thresholds for water testing results:

0-235: Safe

236-1000: Swim Advisory

Over 1000: Beaches Close

- c. **Water quality is in the Safe zone as of 6/18/2024.**

- d. There has been no flooding in the area, and the lake is spring fed with no bodies of water or water tributaries that enter the lake.
- e. Weekly testing will continue.

II. Air and Water Temperature Parameters Per USA Swimming 2024 Rulebook

- a. USA Swimming standards for Open Water (2024 rulebook):

702.2 WATER/AIR TEMPERATURE — The race shall not begin if the following conditions are not satisfied:

.1 The water temperature shall not be less than 16.0° C (60.8° F).

.2 For races of 5k and above, the water temperature shall not exceed 29.45° C (85° F).

.3 The air temperature and water temperature when added together shall not be less than 47.8° C (118° F) nor greater than 80.8° C (177.4° F).

.4 The water temperature shall be checked the day of the race, two (2) hours before the start, on the course at a depth of 40 cm (15.75 inches).

- b. Hourly air and water temperatures will be measured hourly starting at 9:00 AM, two hours before the start of the Open Water Clinic.

III. Weather Forecast for 6/27/2024, Day of Clinic and Competition

- a. Forecast for 6/26/2024, the day before Clinic and Competition:
 - i. Mostly clear between 58-82 °F.
 - ii. Chance of precipitation: day 20%, night 6%.
 - iii. Probability of thunderstorms: 0%
 - iv. Humidity 64-77%, UV Index 9 of 11.
- b. Forecast for 6/27/2024, day of clinic and competition
 - i. Overall sunny, with a high of 78.
 - ii. AM during clinic:
 - i. Temperature 71-75 °F, Real Feel 83 °F
 - ii. Chance of precipitation: 6%
 - iii. Humidity 60%, UV Index 9 of 11
 - iv. Wind 7 mph, NE.
 - iii. PM during competition:
 - i. Temperature 72-76 °F, Real Feel 83 °F
 - ii. Chance of precipitation: 1-8%
 - iii. Humidity 51-55%
 - iv. Wind 9 mph, NE.
- c. Further weather update on 6/25/2024.

IV. Air Quality/Wildfire Smoke

- a. There are some Canadian wildfires, largely residual from last year, in the western Canadian provinces. Currently, they are not affecting air quality in the US.
- b. Wildfires are increasing in California and Texas, but no affect In the Midwest currently.
- c. As of June 22, air quality is in the green zone (good) and is expected to be green on Sunday and Monday.
- d. Prediction for Tuesday 6/25, it is predicted to be in the yellow, or moderate zone:
 - i. If you are unusually sensitive to ozone, consider reducing your activity level or shorten the amount of time you are active outdoors.
 - ii. Everyone else: Enjoy your outdoor activities.
 - iii. No restriction for competition.
- e. **Prediction for Thursday 6/27 should be available by Tuesday, 6/25.**
- f. **An update will be provided on 6/25 with the updated weather forecast.**

V. Cicadas

- a. Cicadas started emerging in Wisconsin at the end of May.
- b. There are no emerging cicada broods in Pleasant Prairie at this time.

VI. Blue-Green Algae – no algae blooms noted at this time.

VII. Safety Plan Items for Thursday 6/27 Clinic and Competition

	Clinic	Competition
Lifeguards	8-10 (plus coaches)	8-12
Electric boats	3-4	3-4
Internal Combustion boats	1-3	1-3
RecPlex safety boat	1	1-2
Dive and Rescue/EMS team	Emergency Call	Emergency Call

VIII. Safety Plan Documents Posted on Meet Landing Page or the Adjacent CZ OW Landing Page

- a. Lake Andrea: Open Water Venue Overview
- b. 2024 Central Zone Open Water Safety Plan
- c. 2024 Central Zone Open Water Clinic Safety Protocol
- d. Lake Andrea/Central Zone Open Water– EMERGENCY ACTION PLAN (revised)
- e. Lake Andrea Lightning Emergency Action Plan
- f. ISO pre-event reports

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6/22/2024