



Date: Wednesday, April 21, 2021

Chairman: Lionel Robbins **Vice Chair:** Caroline St. Clair

Members: Michael L. Powell, Dana Kruetzfeldt, Patrick Gill
Orange County Environmental Protection Division (EPD): Melissa Lavigne

- **Call Meeting to Order** **Time:** _____

- **Approve Minutes**

- **Public Comment**

- **Orange County EPD Report**

- **Member Reports**
 - **Caroline St. Clair, Vice-Chair**

 - **Mike Powell**

 - **Dana Kruetzfeldt**

 - **Pat Gill**

 - **Lionel Robbins, Chair**

- **Non-Agenda Items**

- **Adjourn Meeting** **Time:** _____

Section 286.0105, Florida Statutes states that if a person decides to appeal any decision made by a board, agency, or commission with respect to any matter considered at a meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

In accordance with the Americans with Disabilities Act (ADA), if any person with a disability as defined by the ADA needs special accommodation to participate in this proceeding, then not later than two business days prior to the proceeding, he or she should contact the Orange County Communications Division at (407) 836-3111.

Para mayor información en español, por favor llame al (407) 836-3111.

**Lake Holden Advisory Board
Regular Meeting
March 24, 2021 at 5:30 p.m.
3165 McCrory Place, Suite 200
Orlando, FL 32803
Webex and Orange Blossom Conference Room**

Advisory Board Members Present: Lionel Robbins (Chair), Caroline St. Clair (Vice Chair), Mike Powell*, Dana Kruetzfeldt

Advisory Board Members Absent: Pat Gill

Residents Present: RJ Rampi*, Eric Miller*, Megan Pervi*

Staff & Guests Present: Melissa Lavigne and Tim Hull*, Environmental Protection Division (EPD)

*denotes attending via Webex

I. Meeting Called to Order:

With a quorum present, Chair Lionel Robbins called the meeting of the Lake Holden Advisory Board (Advisory Board) to order at 5:30 p.m.

II. Approval of the February 17, 2021 Meeting Minutes:

Upon a Motion by Vice Chair Caroline St. Clair, seconded by Dana Kruetzfeldt, and carried with all present members voting AYE by voice vote; the meeting minutes for February 17, 2021 were approved as submitted.

III. Public Comment:

Chair Robbins opened the floor for public comment. No public comments were heard from meeting participants. Likewise, no written public comments were submitted. Hearing no further requests, the public comment period was closed.

IV. Environmental Protection Division (EPD) Report:

Blue-Green Algae (Cyanobacteria) Bloom

Melissa Lavigne provided an update on the Florida Department of Environmental Protection's sampling results, as follows:

- 2/15/2021 – Initial sample when bloom was observed. Total Microcystin Toxin = 0.67 micrograms per liter
- 3/17/2021 – Follow up sample with no bloom observed. Total Microcystin Toxin = 0.89 micrograms per liter

The OCAAlert will remain in effect until no toxin is detected.

Discussion ensued regarding cyanobacteria toxin levels and values associated with the probability of health effects. Melissa Lavigne noted the U.S. currently has not adopted any standards for microcystins or other algal toxins. “The World Health Organization (WHO) has set a preliminary guideline for microcystin concentrations in drinking water of 1.0 µg per liter. For recreational contact, the WHO recommends a series of guideline values associated with the probability of health effects at three levels:

- Low probability of adverse health effects: 2-4µg per liter of microcystin. This guideline is based on protection against irritative and allergenic effects. Recreational contact with microcystin at or below this concentration is unlikely to pose a health risk to an average person. However, individual sensitivities to allergens vary greatly making it difficult to determine 'safe' concentrations.
- Moderate probability of adverse health effects: 20 µg per liter of microcystin-LR. This guideline is based on protection against hepatotoxic effects due to accidental ingestion. It is based on the tolerable daily intake for an adult (60kg) accidentally ingesting 100mL of water while swimming. Risk increases for children (due to lower body weight and greater likelihood of accidental ingestion) and to individuals with compromised liver function.
- High probability of adverse health effects: Scums can represent thousand-fold concentrations of microcystin. Accidental ingestion of small volumes could cause serious harm. Immediate action to avoid contact with visible scums is advised.”

Aquatic Plant Management Update

Melissa Lavigne provided the status of the full-lake hydrilla treatment, as follows:

The Purchase Order for Sonar herbicide was issued on 3/16/2021. As soon as the product is received, EPD will commence treatment. The lake will be divided into 3 lobes and the herbicide will be applied throughout the entire system. The initial treatment is 25 gallons at 12 ppb. An OCAAlert will be issued in advance of each treatment and will list the water use restrictions.

Meeting Schedule

Chair Elections will be held during the next meeting in April. The next routine meeting is scheduled for Wednesday, April 21, 2021 at 5:30 p.m. Meetings are blended, requiring an in-person quorum and others can participate remotely via Webex. Meetings are to be held at the EPD office where COVID-19 safety precautions and technology needs are in place.

V. Member Reports:

Vice Chair Caroline St. Clair

- Mentioned her wood duck video that can be found on the Lake Holden Yacht Club website.

Mike Powell

- None

Dana Kruetzfeldt

- Reported a Secchi depth range of 13' – 14' in 20' – 21' water depths on March 24, 2021.

Pat Gill

- Absent

Chair Lionel Robbins

- Reported a lake level reading of 89.33' NAVD88 on March 23, 2021. He is noticing a steady decline in water levels and urged residents to be cautious of shallow areas and sandbars while recreating on the lake.

VI. Non-Agenda Items:

Chair Robbins discussed outfall maintenance and clearing projects and whether they should be viewed as more of a reactive project as opposed to proactive. The consensus was that they should be reactive projects. The two recent outfall clearing projects were selected because they are outfalls associated with the alum treatment system.

VII. Meeting Adjourned:

Chair Robbins adjourned the Advisory Board meeting at 6:17 p.m.

Lionel Robbins, Chair

Date

Minutes Prepared by Melissa Lavigne

Date