



**Date: Wednesday, March 24, 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  
February 17, 2021 at 5:30 p.m.  
3165 McCrory Place, Suite 200  
Orlando, FL 32803  
Webex and Panther Conference Room**

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

**Advisory Board Members Absent:** None

**Residents Present:** Larry Jones, RJ Rampi\*, Eric Miller\*, Mike Carey\*

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

\*denotes attending via Webex

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**I. Meeting Called to Order:**

With a quorum present, Vice Chair Caroline St. Clair called the meeting of the Lake Holden Advisory Board (Advisory Board) to order at 5:31 p.m.

**II. Approval of the October 21, 2021 Meeting Minutes:**

**Upon a Motion by Caroline St. Clair, seconded by Mike Powell, and carried with all present members voting AYE by voice vote; the meeting minutes for October 21, 2021 were approved as submitted.**

**III. Public Comment:**

Vice Chair St. Clair 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:**

**Environmental Research & Design (ERD) Water Quality and Sediment Evaluation 2020**

Melissa Lavigne presented Progress Reports #7 and #8 for work efforts November 1, 2020 through January 31, 2020. Charges: \$5,205.02 for the two billing periods; \$67,830.34 total billed to date out of \$101,161.56 project total.

Tasks:

- Evaluate recent turbidity impacts from I-4 construction: ERD conducted an initial and second site visit to the FDOT pond and the discharge canal to Lake Holden during December and January. Sediment samples were collected in clear core tubes to identify the

extent of surface turbidity layers from FDOT pond discharges. Work efforts outlined under this task are now 100% complete.

- Evaluate impacts from alum dose increases: ERD completed installation of monitoring equipment at the proposed outfall monitoring sites during October. However, the treatment system is currently off-line. ERD will continue monitoring when alum addition resumes. Work efforts outlined under this task are approximately 30% complete at this time.
- Pegasus Engineering finalized tasks for the drainage sub-basin B-13 mapping.

### **Aquatic Plant Management Update**

Melissa Lavigne reported that the last aquatic plant survey was performed on January 19, 2021. The survey map was shared. EPD observed a strong presence of hydrilla around most of the perimeter (80 – 90% coverage), and dense patches in deep waters (10 – 20 ft). There is a good amount of pondweed throughout the system, mainly in the mid and south areas.

EPD has been treating hydrilla on a quarterly basis for a few years now to the tune of up to \$20K per quarter (most recent treatments). The addition of grass carp has not had any notable impact at this time. Spot and block treatments using Aquathol (endothall) are not able to get the hydrilla under control anymore and the recent growth has been impressive. A full-lake treatment has been recommended to gain control of the hydrilla.

The first step in preparing for a full-lake treatment was to sample and genetically analyze the plants. Sonar (fluridone) is traditionally used for full-lake hydrilla treatments if the plants have not developed genetic resistance. If plants are found to be resistant to fluridone, then Galleon (penoxsulam) would be the appropriate product for treatment which is quite a bit more expensive. The good news is that the GenTest results came back classically sensitive to fluridone which means no resistant plants in the 9 samples that were analyzed. In consultation with the herbicide technical representative and Ed Harris from FWC, EPD developed a treatment prescription. FWC issued the permit amendment for the full-lake treatment. EPD is preparing to purchase the needed gallons of Sonar at \$1,995.08 per gallon. Initial application = 25 gal, 2 possibly 3 bumps = 12.5 gal (Total 63 gal = \$125,690 in product + labor). As far as non-target vegetation impacts, the pondweed will be impacted for at least a year, but shouldn't be entirely knocked out. Water lilies may also lose their leaves for at least one growing cycle. Water use restrictions will be sent through OCAlert prior to the applications. Discussion ensued.

**Upon a Motion by Mike Powell, seconded by Dana Kruetzfeldt, and carried with all present members voting AYE by voice vote; the Advisory Board approved an expenditure not to exceed \$130,000 for the purchase of Sonar (fluridone) for the full-lake *Hydrilla verticillata* treatment.**

### **Blue-Green Algae Bloom**

Melissa Lavigne reported that the Florida Department of Health (FDOH) posted doorhangers last week for the observed cyanobacteria bloom that may be producing toxins. The Florida Department of Environmental Protection (FDEP) sampled the lake on February 15, 2021 at 10:53 a.m. 90 meters south of Lake Holden Pt. The dominant taxon

is *Microcystis aeruginosa*. Total microcystin toxin and other toxin results are pending. Results and details can be accessed online on the FDEP blue-green algae dashboard. OCAAlerts will go out to keep everyone informed. The alert will be lifted once toxin is no longer detected. Discussion ensued.

#### **Notice of Violation**

Melissa Lavigne relayed that EPD's Environmental Permitting & Compliance Section issued a notice of violation letter for an unauthorized seawall construction and lakeshore clearing at 1231 43<sup>rd</sup> St. Discussion ensued.

#### **Street Sweeping**

In response to a street sweeping performance complaint, EPD has reminded the contractor to sweep curb to curb with all debris picked up. Comments were made that the sweepers don't dump frequently enough, so debris escapes their machines. Discussion ensued.

#### **Meeting Schedule**

The next routine meeting is scheduled for Wednesday, March 17, 2020 at 5:30 p.m. Meetings will be blended, requiring an in-person quorum (3 members) and others can still participate virtually 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**

- None

#### **Mike Powell**

- None

#### **Dana Kruetzfeldt**

- Reported a Secchi depth range of 10' – 17.25' throughout the lake on January 24, 2021.

#### **Pat Gill**

- None

#### **Chair Lionel Robbins**

- Distributed a curb inlet basket report prepared by EPD's contract manager, Bryce Edwards. Chair Robbins discussed the data and is interested in the variation of debris weights from year to year.

### **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:**

Vice Chair St. Clair adjourned the Advisory Board meeting at 6:56 p.m.

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Lionel Robbins, Chair

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Date

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Minutes Prepared by Melissa Lavigne

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Date