

**PELICAN BAY SERVICES DIVISION  
WATER MANAGEMENT COMMITTEE MEETING  
OCTOBER 18, 2018**

The Water Management Committee of the Pelican Bay Services Division met on Thursday, October 18 at 3:00 p.m. at the Community Center at Pelican Bay, 8960 Hammock Oak Dr., Naples, Florida 34108. The following members attended.

**Water Management Committee**  
Tom Cravens, Chairman

Jacob Damouni  
Mike Shepherd

**Pelican Bay Services Division Staff**  
Neil Dorrill, Administrator (*absent*)  
Marion Bolick, Operations Manager (*absent*)

Mary McCaughtry, Operations Analyst  
Lisa Jacob, Associate Project Manager  
Barbara Shea, Recording Secretary

**Also Present**

Joe Chicurel, PBSB Board  
Rick Swider, PBSB Board

**APPROVED AGENDA (AS AMENDED)**

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 08/14/18 meeting minutes
5. Audience comments
6. OLS swale problem and potential solutions
7. Status of drainage problem between the Dorchester & the Grosvenor
8. Potential lake borders/modifications for the reduction of lake algae
9. Blue tilapia lakes
  - a. Water quality testing (*add-on*)
  - b. Mystique runoff (*add-on*)
  - c. Aeration project bids received (*add-on*)
10. Adjournment

**ROLL CALL**

All members were present and a quorum was established

**AGENDA APPROVAL**

**Mr. Shepherd motioned, Mr. Damouni seconded to approve the agenda as amended, with the addition of items #9a, #9b, and #9c. The motion carried unanimously.**

**APPROVAL OF 08/14/18 MEETING MINUTES**

**Mr. Shepherd motioned, Mr. Damouni seconded to approve the 08/14/18 meeting minutes as presented. The motion carried unanimously.**

**AUDIENCE COMMENTS**

None.

**OLS SWALE PROBLEM AND POTENTIAL SOLUTIONS**

Mr. Cravens provided a brief background and description of the Oak Lake Sanctuary swale drainage issues. Ms. Jacob commented that an Oak Lake Sanctuary bleeder modification project to improve drainage and lower the level of the lake is currently out for bid. The committee chose to table further discussion on this issue, until the project is completed, and the results can be assessed.

**STATUS OF DRAINAGE PROBLEM BETWEEN THE DORCHESTER & THE GROSVENOR**

Mr. Cravens provided a brief description of the drainage issues in the grassy landscaped area between the Dorchester and the Grosvenor, for which the PBSB has a drainage easement. Ms. Jacob commented that our engineer AB&B has been tasked to develop a drainage improvement solution and has already begun surveying the pipes and drainage areas. The committee chose to table further discussion on this issue until a solution is proposed.

**POTENTIAL LAKE BORDERS/MODIFICATIONS FOR THE REDUCTION OF LAKE ALGAE**

Dr. Chicurel provided photos of the negative effects to our lakes from grass and weed-eater clippings. He suggested that the committee look at creating a border around each lake, as a method of preventing the clippings from entering the lakes. He noted that the community of Mediterra has 8 – 10 feet of lilies surrounding each lake. Mr. Cravens commented that littoral plants are expensive to install and labor intensive to maintain. Mr. Shepherd commented that our workers need to be reminded that clippings should never be tossed in the lakes.

Methods of algae reduction were discussed by the committee. Mr. Shepherd questioned whether individual lake owners could supplement PBSB algae suppression methods in our 45 lakes. After discussion, the committee agreed that owners should have this ability, providing that they were to obtain pre-approval from PBSB staff. The committee agreed that this issue should be discussed by the full PBSB Board.

Mr. Swider questioned what the cost would be to change over our irrigation water from reclaimed water to potable water. County reclaimed water contains nutrients which cause an increase in lake algae. The committee requested that staff investigate the feasibility and cost of replacing Pelican Bay recycled irrigation water with potable water.

**BLUE TILAPIA LAKES**

The committee reviewed photos of the 20 lakes where blue tilapia were installed in May 2018. Minimal algae was observed on the surface of these lakes. The committee discussed whether blue tilapia could cause an increase in the level of ammonia in the lakes.

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The committee suggested that staff look at before and after (blue tilapia installation) ammonia levels in three lakes, as well as ammonia levels in three lakes where tilapia have never been installed.

**Mr. Shepherd motioned, Mr. Damouni seconded to recommend to the full board that we expand the blue tilapia stocking to all 45 lakes. The motion carried unanimously.**

**WATER QUALITY TESTING (ADD-ON)**

Not discussed.

**MYSTIQUE RUNOFF (ADD-ON)**

Ms. Jacob provided photos of the runoff from the Mystique construction site into the water management canal that runs along the berm. She commented that the County Pollution Control Division was contacted, and after a site visit, they requested that the condominium management team replace a catch basin filter and place some turbidity barriers in the swale along the berm.

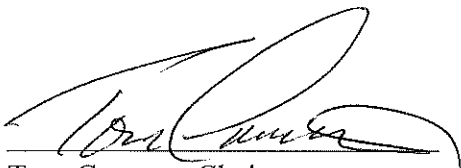
Mr. Cravens and Mr. Shepherd commented on Mystique construction workers performing work before 7 a.m., while it is Pelican Bay Foundation general policy not to allow any construction work to begin prior to 7 a.m. Ms. Jacob will notify Mr. Laney (Pelican Bay Foundation) of these observations and will report back to the committee.

**AERATION PROJECT BIDS RECEIVED (ADD-ON)**

Ms. Jacob commented that two bids were received for our aeration repair project (Hurricane Irma damage), with Aquagenix being low bidder. Mr. Shepherd commented that Aquagenix is not a reliable vendor (based on our past experience with this vendor) and that this vendor should be excluded from consideration.

**ADJOURNMENT**

**The meeting was adjourned at 4:13 p.m.**



Tom Cravens, Chairman

Minutes approved [  ] as presented OR [  ] as amended ON 2/19/19 ] date