

PELICAN BAY SERVICES DIVISION
Municipal Services Taxing & Benefit Unit

NOTICE OF PUBLIC MEETING

JUNE 30, 2016

THE WATER MANAGEMENT COMMITTEE OF THE PELICAN BAY SERVICES DIVISION WILL MEET AT 3 PM ON THURSDAY, JUNE 30 AT THE PELICAN BAY SERVICES DIVISION, 3RD FLOOR OF THE SUNTRUST BUILDING, SUITE 302, LOCATED AT 801 LAUREL OAK DRIVE, NAPLES, FL 34108.

AGENDA

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 5/10/16 meeting minutes
5. Audience comments
6. Status of aerator purchase
7. Algae treatments and measures of effectiveness (Report by Marion)
 - a. Lakes selected for treatment with blue tilapia
 - b. Lakes selected for treatment with peroxide
 - c. Lakes selected for treatment with peroxide and bacteria
 - d. Establish dates to begin effectiveness testing
8. Phosphate removal
9. Discussion of banning fertilizer during the rainy season
10. Adjournment

ANY PERSON WISHING TO SPEAK ON AN AGENDA ITEM WILL RECEIVE UP TO THREE (3) MINUTES PER ITEM TO ADDRESS THE BOARD. THE BOARD WILL SOLICIT PUBLIC COMMENTS ON SUBJECTS NOT ON THIS AGENDA AND ANY PERSON WISHING TO SPEAK WILL RECEIVE UP TO THREE (3) MINUTES. THE BOARD ENCOURAGES YOU TO SUBMIT YOUR COMMENTS IN WRITING IN ADVANCE OF THE MEETING. ANY PERSON WHO DECIDES TO APPEAL A DECISION OF THIS BOARD WILL NEED A RECORD OF THE PROCEEDING PERTAINING THERETO, AND THEREFORE MAY NEED TO ENSURE THAT A VERBATIM RECORD IS MADE, WHICH INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. IF YOU ARE A PERSON WITH A DISABILITY WHO NEEDS AN ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS MEETING YOU ARE ENTITLED TO THE PROVISION OF CERTAIN ASSISTANCE. PLEASE CONTACT THE PELICAN BAY SERVICES DIVISION AT (239) 597-1749 OR VISIT PELICANBAYSERVICESDIVISION.NET.

**PELICAN BAY SERVICES DIVISION
WATER MANAGEMENT COMMITTEE MEETING
MAY 10, 2016**

The Water Management Committee of the Pelican Bay Services Division met on Tuesday, May 10 at 1:00 p.m. at the SunTrust Bank Building, 801 Laurel Oak Drive, Suite 302, Naples, Florida 34108. The following members attended.

Water Management Committee
Tom Cravens, Chairman

Scott Streckenbein
Dave Trecker

Pelican Bay Services Division Staff
Neil Dorrill, Administrator
Marion Bolick, Operations Manager

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

Also Present

Ken Dawson, PBSB Board
Mike Shepherd, PBSB Board

APPROVED AGENDA (AS AMENDED)

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 2/22/16 meeting minutes
5. Audience comments
6. Development of brief simple fertilizing guidelines for residents
7. Littoral plantings for 2016 (report by Marion)
 - a. Lakes chosen
 - b. Types of plants chosen
8. Planned aeration installation for 2016 (report by Marion)
 - a. Lakes chosen
9. Status of sediment testing (report by Marion or Lisa)
10. Plans for lake-bank repair (report by Neil or Marion)
11. Updated readings of effectiveness of fish, peroxide, and bacteria in test lakes (report by Marion)
 - a. Recycled water (*add-on*)
 - b. Assessing blue tilapia populations (*add-on*)
12. Adjournment

ROLL CALL

All members were present and a quorum was established

AGENDA APPROVAL

Dr. Trecker motioned, Mr. Streckenbein seconded to approve the agenda as amended with the addition of a discussion item "Recycled water" as item #11a and a discussion item "Assessing blue tilapia populations" as item #11b. The motion carried unanimously.

APPROVAL OF 02/22/16 MEETING MINUTES

Mr. Streckenbein motioned, Dr. Trecker seconded to approve the 02/22/16 meeting minutes as amended. The motion carried unanimously.

AUDIENCE COMMENTS

None

DEVELOPMENT OF BRIEF SIMPLE FERTILIZING GUIDELINES FOR RESIDENTS

Mr. Cravens reported on resident requests he has received for fertilizing guidelines. Dr. Trecker stated that "best management practices" provides general guidelines. By committee consensus it was not deemed possible to develop one guideline as soil differs among Pelican Bay communities. Mr. Bolick suggested that individual communities conduct soil sample testing for nutrient levels. Staff will look into the cost of soil sampling by University Extension Services.

LITTORAL PLANTINGS FOR 2016

Mr. Bolick reported that the \$14,000 littoral planting project in 25 lakes has been completed.

PLANNED AERATION INSTALLATION FOR 2016

Mr. Bolick reported that Aquagenix has been chosen as the low bid contractor for the 2016 aeration project. Once the Board of County Commissioners has approved the contract, the project will begin, estimated to be in mid-June. Aerators will be installed in eight lakes.

STATUS ON SEDIMENT TESTING

Ms. Jacob reported that the sediment testing is complete, results will be provided to Earth Tech within two weeks, and a report will be provided to the PBSB by Earth Tech within an additional week. Test results will include levels of copper, phosphorus, and sediment depth.

PLANS FOR LAKE BANK REPAIR

Mr. Dorrill reported that the committee will be provided a report on the surveys of the ten lakes with the most severe lake bank erosion next month. The budget for FY16 lake bank repair is \$75,000. Mr. Dorrill reported that the installation of additional riprap along the north berm is a competing project for these funds.

UPDATED READINGS OF EFFECTIVENESS OF FISH, PEROXIDE, AND BACTERIA IN TEST LAKES

Mr. Bolick reported the following updates: (1) peroxide in conjunction with hydrothol appears to be effective in reducing levels of algae, (2) blue tilapia appears to be effective in algae

Pelican Bay Services Division Water Management Committee Meeting
May 10, 2016

reduction in the lake by the Community Center, but not as effective in the Ridgewood lake, and (3) bacteria is still undergoing testing as its introduction requires a longer term study.

RECYCLED WATER

Dr. Trecker commented that the state of Florida has high nutrient level standards for recycled water, for which Collier County is compliant. He stated that methods to reduce nutrient levels are extremely expensive.

ASSESSING BLUE TILAPIA POPULATIONS

Mr. Cravens requested that staff explore methods and costs to determine the current population of blue tilapia in the two lakes where they were installed to combat algae.

MR. DORRILL REPORTED ON THE SUCCESSFUL COMPLETION OF THE CLAM BAY DREDGING PROJECT.

ADJOURNMENT

The meeting was adjourned at 1:56 p.m.

Tom Cravens, Chairman

Minutes approved [] *as presented* OR [] *as amended* ON [] *date*

PBSD LAKE EVALUATION FORM

Basin # _____ Lake # _____ Date _____

Lake Description _____

Percent of Lake covered with Algae and/or Duckweed _____
Example 19% A or 20% D

Water temperature of Lake _____

Additional Notes _____

Date of Treatment _____

Type of Treatment _____

Date of Pre-Treatment Photograph _____

Date of First Post-Treatment Photograph _____

Date of Second Post-Treatment Photograph _____

Date of Third Post-Treatment Photograph _____

Name of Evaluator _____

Signature of Evaluator _____