

PELICAN BAY SERVICES DIVISION
Municipal Services Taxing & Benefit Unit

NOTICE OF PUBLIC MEETING

AUGUST 14, 2018

THE **WATER MANAGEMENT COMMITTEE** OF THE PELICAN BAY SERVICES DIVISION WILL MEET AT **1:00 PM ON TUESDAY, AUGUST 14** 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 04/16/18 meeting minutes
5. Audience comments
6. *Lake remediation method recommendation
7. Evaluation of blue tilapia effectiveness (M. Bolick)
8. Status of solar powered aerators (M. Bolick)
9. Evaluation of effectiveness of aerators in algae control
10. Discussion of algae control methods
11. *Recommendation regarding evaluation of storm sewer lines
12. Discussion of the value of collection of water chemistry data
13. Alternatives to existing boat ramps

**indicates possible action items*

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
APRIL 16, 2018**

The Water Management Committee of the Pelican Bay Services Division met on Monday, April 16 at 3:00 p.m. at the Community Center at Pelican Bay, located at 8960 Hammock Oak Drive, Naples, Florida 34108. The following members attended.

Water Management Committee

Tom Cravens, Chairman
Jacob Damouni

Mike Shepherd
Scott Streckenbein (*ex-officio*)

Pelican Bay Services Division Staff

Neil Dorrill, Administrator
Marion Bolick, Operations Manager

Mary McCaughtry, Ops. Analyst (*absent*)
Lisa Jacob, Associate Project Manager
Barbara Shea, Recording Secretary

Also Present

Jim Hoppensteadt, Pelican Bay Foundation
Susan O'Brien, PBSB Board

Jeremy Sterk, Earth Tech
Rick Swider, PBSB Board

APPROVED AGENDA (AS PRESENTED)

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 02/26/18 meeting minutes
5. Audience comments
6. Drainage obstruction on east and west sides of Water Management Berm
7. *Water quality data collection, reporting, and estimated costs
8. Other business
9. Adjournment

**indicates possible action items*

THE MEETING CONVENED AT 3:15 PM

ROLL CALL

All members were present and a quorum was established

AGENDA APPROVAL

<p>Mr. Shepherd motioned, Mr. Damouni seconded to approve the agenda as presented. The motion carried unanimously.</p>

APPROVAL OF 02/26/18 MEETING MINUTES

Mr. Shepherd motioned, Mr. Damouni seconded to approve the 02/26/18 meeting minutes as presented. The motion carried unanimously.

AUDIENCE COMMENTS

None.

DRAINAGE OBSTRUCTION ON EAST & WEST SIDES OF THE WM BERM

Mr. Cravens provided photos and a video of overgrown mangroves, which have grown over the top of the rip rap along the west side of the berm. There are additional downed trees and branches along this area, resulting from Hurricane Irma. This overgrown vegetation and hurricane debris is impeding water flow.

Mr. Bolick commented that he has requested quotes from three contractors for vegetation/debris removal on the west side of the berm; two bids have been received, and he is waiting on the third bid. Mr. Dorrill commented that quotes will be shared with board members and included for discussion on the May PBSB Board agenda.

Mr. Cravens commented on the encroachment and overgrowth by “coastal plain willows” and “giant rush” on the east side of the berm. After discussion by the committee, Mr. Dorrill, and Mr. Jeremy Sterk (environmentalist with Earth Tech), it was decided that a chemical spray would be applied to this vegetation, followed by removal of the dead plants to improve drainage along the berm.

Mr. Dorrill commented on two debris removal/maintenance-to-restore-flow projects in our PBSB easements at the Ritz Carlton and the beach dune swale, which are currently out for bid.

Mr. Shepherd commented that the PBSB is the entity that is responsible for the Pelican Bay water surface management system and suggested that a more comprehensive plan is needed.

Mr. Shepherd motioned, Mr. Damouni seconded to recommend to the full board that we recommend that our administrator seek to obtain easements on all the surface water management system that currently are not under the PBSB, on an “as identified” basis. The motion carried unanimously.

WATER QUALITY DATA COLLECTION, REPORTING, AND COSTS

Ms. Jacob reviewed estimated annual costs for water quality sampling, data analysis, WIN data entry, and reports as included in the agenda packet. These costs include, (1) \$52,291 for field sampling, lab analyses, and WIN data entry by the County’s Pollution Control Lab, (2) \$35,000 for quarterly and annual reports on Clam Bay & berm sites by Turrell Hall/Tomasko, and (3) \$38,000 for quarterly and annual reports on the stormwater lakes by CH2MHill.

Ms. O’Brien commented that the PBSB is currently collecting WQ samples at 32 sites, and that the Clam Bay Committee would like to continue this monitoring, but possibly with less sites and/or less reports. The Clam Bay Management Plan does not require upland lake water quality testing.

Mr. Shepherd commented on (1) the questionable value of the existing extensive water quality data tracking, (2) the PBSB and other PB entities no longer treat lake algae

**Pelican Bay Services Division Water Management Committee Meeting
April 16, 2018**

with copper sulfate, (3) lake sediment copper cannot be removed cost effectively, and (4) extensive water quality testing does not result in an actionable item.

Mr. Jeremy Sterk commented that if the locations of high phosphorus and copper readings are narrowed down, then the PBSB could approach nearby associations to offer additional education on the negative effects of high levels of fertilizer on water quality.

By consensus, the committee agreed to refer this issue (whether to restart the CH2MHill quarterly reports on nutrients in upland ponds) back to the Clam Bay Committee for additional analysis of a possible reduction of WQ sampling sites.

OTHER BUSINESS

Mr. Dorrill commented that no information has yet been received from our engineer ABB regarding a proposal for an engineering analysis and estimate to construct an additional conveyance pipe from the OLS/Villages/Las Brisas lake.

ADJOURNMENT

The meeting was adjourned at 4:03 p.m.

Tom Cravens, Chairman

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