

**PELICAN BAY SERVICES DIVISION  
WATER MANAGEMENT COMMITTEE MEETING  
SEPTEMBER 27, 2016**

The Water Management Committee of the Pelican Bay Services Division met on Tuesday, September 27 at 2:00 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 (*absent*)

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**

Susan O'Brien, PBSB Board

Mike Shepherd, PBSB Board

**APPROVED AGENDA (AS PRESENTED)**

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Approval of 6/30/16 meeting minutes
5. Audience comments
6. Status of aerator purchase and installation
7. CH2M Hill proposal for non-stoichiometric Alum treatment of ponds to reduce phosphorus
8. Status of tilapia, peroxide, bacteria, & hydrothol including cost & frequency of use
9. Plans for lake bank repairs
10. Plans for stormwater drain repairs
11. Adjournment

**ROLL CALL**

Mr. Streckenbein was absent and a quorum was established

**AGENDA APPROVAL**

**Dr. Trecker motioned, Mr. Cravens seconded to approve the agenda as presented.  
The motion carried unanimously.**

**APPROVAL OF 06/30/16 MEETING MINUTES**

**Dr. Trecker motioned, Mr. Cravens seconded to approve the 06/30/16 meeting minutes as presented. The motion carried unanimously.**

**AUDIENCE COMMENTS**

Mr. Ray O’Keefe, resident of the Breakwater Association, commented on the results of alum treatment in the three lakes at the Breakwater resulting in a significant reduction of phosphorus and nitrogen, and significantly improved water clarity.

Dr. Trecker expressed his concerns over future concentrations of alum in lake sediment.

**STATUS OF AERATOR PURCHASE AND INSTALLATION**

Mr. Bolick reported that the eight newly installed aerator systems became operational today. The PBSB FY2017 budget contains \$100,000 for installation of aerators in the remainder of PBSB lakes which have no aerators.

**CH2M HILL PROPOSAL FOR NON-STOICHIOMETRIC ALUM TREATMENT OF PONDS TO REDUCE PHOSPHORUS**

A consultant from CH2M Hill was unable to attend this meeting. Dr. Trecker will schedule a presentation by CH2M Hill on non-stoichiometric alum lake treatment at the next committee meeting.

**STATUS OF TILAPIA, PEROXIDE, BACTERIA, AND HYDROTHOL INCLUDING COST AND FREQUENCY OF USE**

Mr. Cravens commented on the need to determine the cost effectiveness of each type of lake treatment being used in PBSB lakes. Mr. Bolick’s casual observation is that tilapia is the most cost effective type of treatment.

Dr. Trecker commented that although upland lakes are not regulated, he reiterated the importance of algae removal in these lakes which include concerns of (1) aesthetics, (2) sediment buildup, and (3) consequences of the lake water feeding into Clam Bay.

Ms. O’Brien commented on the need to explore any possible adverse effects from tilapia to Clam Bay. Dr. Trecker volunteered to study existing literature on negative consequences of tilapia.

Mr. Bolick reported that he maintains and regularly updates a table of PB lakes with corresponding treatments. He will provide a copy of this table to committee members.

**PLANS FOR LAKE BANK REPAIRS**

Mr. Dorrill reported that lake bank surveys will be completed by staff in the first quarter of FY2017. The FY2017 budget for lake bank repairs is \$75,000.

**PLANS FOR STORMWATER DRAIN REPAIRS**

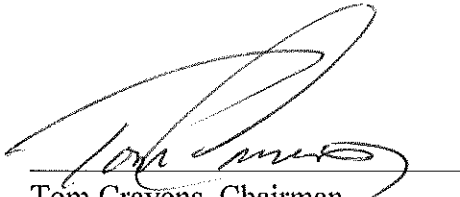
Ms. Jacob reported that all of the stormwater drain repair requests reported to Collier County Road & Bridge will be completed within the next three or four weeks.

**ADJOURNMENT**

**The meeting was adjourned at 2:39 p.m.**

**Pelican Bay Services Division Water Management Committee Meeting**  
**September 27, 2016**

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Tom Cravens, Chairman

Minutes approved [] *as presented* OR [] *as amended* ON [ 10-20-16 ] *date*