

PELICAN BAY SERVICES DIVISION
Municipal Service Taxing and Benefit Unit

NOTICE OF PUBLIC MEETING **TUESDAY, JANUARY 15, 2013**
THE LANDSCAPE WATER MANAGEMENT SUBCOMMITTEE OF THE PELICAN BAY SERVICES DIVISION BOARD MEETS TUESDAY, JANUARY 15 AT 1:00 PM AT THE COMMUNITY CENTER AT PELICAN BAY, 8960 HAMMOCK OAK DRIVE, NAPLES, FLORIDA 34108.

AGENDA

The agenda includes, but is not limited:

1. Roll call
2. Approval of December 10 LWM Subcommittee meeting minutes
3. Update on copper monitoring and status of trial programs
on algae control
4. Pelican Bay community outreach regarding the importance of BMP
5. Audience Comments
6. 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.

**LANDSCAPE WATER MANAGEMENT SUBCOMMITTEE
OF THE PELICAN BAY SERVICES DIVISION BOARD MEETING MINUTES
MONDAY, DECEMBER 10, 2012**

LET IT BE REMEMBERED that the **Landscape Water Management Subcommittee** of the **Pelican Bay Services Division Board** met on **Monday, December 10, 2012** at **1:00 PM** at the Community Center at Pelican Bay, 8960 Hammock Oak Drive, Naples, Florida. The following members were present:

Landscape Water Management Subcommittee

Dave Trecker, Chairman

John P. Chandler *absent*

Tom Cravens

Keith J. Dallas

Geoffrey S. Gibson *absent*

Pelican Bay Services Division Staff

W. Neil Dorrill, Administrator

Kyle Lukasz, Operations Manager

Mary McCaughtry, Operations Analyst

Lisa Resnick, Recording Secretary

AGENDA

1. Roll Call
2. Pelican Bay community outreach regarding the importance of BMP
3. Audience Comments
4. Adjournment

ROLL CALL

With the exception of Mr. Chandler and Mr. Gibson, the Subcommittee members were present.

PELICAN BAY COMMUNITY OUTREACH REGARDING THE IMPORTANCE OF BMP

The Subcommittee discussed ways to communicate effectively (Pelican Bay Post articles, e-blasts, etc.) with the Pelican Bay community (homeowners, associations, property managers, contractors, golf course, etc.) to create awareness and encourage the use of landscaping best management practices (BMP). Consensus was to develop a brochure that explains how fertilizer misuse and nutrient runoff contaminates adjacent waterways and guidelines to incorporate landscaping BMP. The Subcommittee agreed that the Pelican Bay Services Division's role is to provide information only.

Dr. Trecker volunteered to draft a two-page summary.

Ms. Diane Lustig (Hyde Park) suggested that Division staff work with the Hyde Park association and Mr. Steve Kohn, Property Manager to develop a BMP plan.

Mr. Dorrill recommended gaining support for this campaign from entities within the community by identifying the stakeholders (Club Pelican Bay, entities adjacent to the Club, and nearby) to schedule an initial private briefing in mid-late January. The Subcommittee concurred.

ADJOURN

Mr. Dallas made a motion, second by Dr. Trecker, to adjourn. The Subcommittee voted unanimously in favor, passing the motion, and the meeting adjourned at 2:32 p.m.

Tom Cravens, Chairman

Minutes by Lisa Resnick 1/10/2013 11:31:34 AM

LANDSCAPING BEST MANAGEMENT PRACTICES DRAFT 1.0

Pelican Bay is facing a severe problem.

Its waterways – inland lakes and Clam Bay – are being polluted by high levels of fertilizer runoff.

Nutrients from the runoff – dissolved nitrogen and phosphorus – cause algae bloom, a threat to aquatic plants and wildlife. To deal with algae buildup, a copper fungicide has been applied over an extended period of time. Through accumulation, copper – itself a pollutant – has reached alarmingly high levels in our freshwater lakes.

The maximal acceptable level for dissolved copper is 3.7 milligrams per liter. A higher reading signifies the water body is impaired. Current levels in our 42 lakes range from 12 to 3870 milligrams per liter, with an average of close to 350. We are badly out of compliance.

Several approaches are being taken to deal with the problem.

- (1) The Pelican Bay Services Division (PBSD) is exploring alternatives to copper sulfate as a means of controlling algae. The use of selective bacteria in combination with aeration and littoral plantings will be tested in Basin 3, the central section of the freshwater lakes. If this pilot program is successful, it will be expanded to other basins.
- (2) To deal with fertilizer misuse, the heart of the problem, the PBSD is undertaking a community awareness program – a follow-on to a recent county ordinance (11-24) which mandates that Best Management Practices (BMP) be followed throughout Collier County.

Dealing with this problem is everyone's responsibility. If we are to have clean groundwater and healthy waterways in Pelican Bay, it is essential that fertilizers be used in accordance with BMP.

Landscaping Best Management Practices Draft 1.0 Page 2

Here is a specific list of things every condominium association, homeowner association and individual homeowner can and should do.

- Use only landscape maintenance companies whose technicians are trained and licensed in BMP. During the course of fertilizer application, be sure there is appropriate on-site supervision.
- Use fertilizer application rates recommended by the *Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries*. Those can be accessed at http://fyn.ifas.ufl.edu/professionals/GI-BMP_publications.htm.
- Limit nitrogen usage to 4-6 lbs./1000 sq. ft./yr.
- Whenever possible, use slow-release fertilizer.
- Do not fertilize during the rainy season (June 1 - September 30) or prior to forecasted storms
- Be sure no fertilizer is used within 10 feet of groundwater, including lakes, except to establish new landscape and then for no more than 30 days after planting.
- When installing new landscape, use drought-resistant plants that require minimal fertilization.
- Be mindful that reclaimed water used for irrigation already contains most of the nitrogen and phosphorus needed for grass fertilization. Little or no additional fertilizer may be needed.

The Pelican Bay Services Division, working in concert with the Pelican Bay Foundation, urges all residents of Pelican Bay to follow these guidelines. The health of our lakes and our estuary depends upon it.