

Clam Bay Estuary Peer Review Scope of Work

March 15, 2010
March 19, 2010 – Rev. 1
June 25, 2010 – Rev. 2
June 30, 2010 – Rev. 3
July 1, 2010 – Rev. 4
July 1, 2010 – Rev. 5

Background

During their regular December 15, 2009 meeting, the Board of County Commissioners approved an independent peer review of the work required to complete the development of a comprehensive management plan for the Clam Bay Estuary.

Specifically, the BCC authorized that a recognized expert perform an independent review of the Clam Bay System Data Collection and Analysis Report recently completed by PBS&J. To complete this analysis, a thorough review of all available water quality data including the Pelican Bay Services Division (PBSD) historical water quality data is required. This expert, jointly selected by PBSD and Coastal Zone Management (CZM), will be from an academic, university, research institute or national estuary program and not directly involved with any consulting firm. Additionally, this individual will be independent without any material relationship with the PBSD, the Pelican Bay Foundation or Collier County government.

The review of the Clam Bay Data Collection and Analysis Report is proposed to be conducted early in the development of the water flushing/circulation model. It is also recommended that the cost of this effort be split between the PBSD and CZM. Although the financial commitment from the PBSD is only for the report evaluation, the intent is to have the PBSD participate in Water Circulation/Flushing Modeling Program review along with any development of the management plan(s) that may be created that includes the Clam Bay NRPA.

Consideration

A thorough review of the PBS&J report should involve a number of critical sciences. Among others, these disciplines would involve water quality, marine biology, modeling/hydrology, geology, natural estuary/ecosystems and with respect to the proposed water flushing/circulation model program a comprehensive and through knowledge of water quality and Florida water quality standards/guidelines along with modeling, modeling data and collection methodologies.

The water quality expertise that is required here is not just the review and analysis to state standards but also expertise with respect to the proactive development of our specific water quality standards for the Clam Bay estuary system and the establishment of our own multi-year estuary management program that will address critical water quality issues as opposed to having FDEP establish solutions. While other skill sets are important, the vast majority of the reviewer expertise needs to be focused in these discipline areas.

Activities to be performed during this initial Peer Review

1. Review, analysis and critique of the Clam Bay System Data Collection and Analysis report dated October 2009 performed by PBS&J to include:
 - Analysis of all available historical data including the Services Division's historical data/information.
 - Sufficiency of the Data collection efforts undertaken in the development of the PBS&J Clam Bay System Data Collection and Analysis report given the fragile nature of the Clam Bay NRPA, the contracting constraints and ability to augment data with future collection, and the applicability of using the collected data in the proposed water circulation/flushing model program.
 - Methodologies used in the Clam Bay System Data Collection and Analysis Report performed by PBS&J.
 - Findings and conclusion of the report.

Evaluation of Proposals

Pre-Identified candidates will be solicited to submit credentials to perform a Peer Review of the PBS&J Data Collection and Analysis report. Only pre-identified candidates will be allowed to submit proposals for evaluation. The Collier County purchasing department would initiate this solicitation. All proposals will be jointly evaluated and must be acceptable to both Collier County Coastal Zone Management /CAC and the Pelican Bay Services Division.

The Evaluation and Selection process is outlined as follows:

1. Candidates will submit their qualifications, experiences, related work history and schedule for consideration. This summary should not be more than 4 pages in total length and focus on water quality, marine biology, hydrology, geology, natural estuary/ecosystems and with respect to the proposed water flushing/circulation model program a comprehensive and thorough knowledge of water quality and Florida water quality standards/guidelines along with modeling, modeling data and collection methodologies.
2. Selection will be based on a total composite score. This score will be based on knowledge, experience, work history and background in similar ecosystems as per the criteria listed in item one above. Schedule will also be considered in this evaluation.
3. The Pelican Bay Services Division will perform their own independent evaluation and submit their three top candidates for discussion. Coastal Zone Management/CAC will do the same. The six potential candidates will be jointly evaluated by a committee consisting of The Chairman of the Pelican Bay Services Division, the Vice Chair of the Pelican Bay Services Division, and the director/Manager of the Pelican Bay Services Division, the Chairman of the CAC, the Vice Chair of the CAC and the Director of the CZM. This group will select and recommend the final candidate.
4. The final selection must be acceptable to both the Pelican Bay Services Division and the CZM/CAC. The final candidate will be approved by the BCC.