

## **Guidelines for Preparing Sediment Quality Control / Quality Assurance Plans for Submittal to the Florida Department of Environmental Protection**

Pursuant to Florida Admin. Code r. 62B-41.008 (1) (k) 4.b., permit applications for inlet excavation, beach restoration, or nourishment shall include a quality control/assurance plan that will ensure that the sediment from the borrow area(s) to be used in the project will meet the standard in Fla. Admin. Code r. 62B41-007(2)(j). Each project shall have a Sediment Quality Control/Quality Assurance (QC/QA) Plan reviewed and approved by the Department of Environmental Protection.

The purpose of these guideline is to facilitate the preparation of a QC/QA Plan by providing an template document. This template is a generic QC/QA Plan to be used as a guideline for all beach restoration and nourishment projects using an offshore sand source. A different QC/QA Plan shall be used for inlet maintenance dredging involving beach or nearshore placement of dredged material.

The QC/QA Plan template should be considered a guideline only, and may be modified dependent on site and project-specific circumstances. If the template document is modified, it should be submitted to the Department as a Word file using track changes. All changes should have comments explaining the reasons for the changes.

The following refer to specific paragraphs in the attached QC/QA Plan template:

**B. Sediment Quality Specifications**, Table 1 - Sediment Compliance Specifications. The compliance values shown in Table 1 will be specifically defined for each project, and shall be submitted as part of the application review process. The compliance specifications take into account the variability of sediment on the native or existing beach, and are values which may reasonably be attained given what is known about the borrow area sediment.

**C.1. Quality Control Plan, Electronic Positioning and Dredge Depth Monitoring Equipment.** This template is meant for use for a borrow area with a minimum 2 foot vertical buffer of sediment above any non beach compatible material in the borrow area. NOTE: If a smaller buffer (< 2 ft) is proposed, more stringent requirements shall be necessary. A buffer < 2 ft will only be considered if the offshore sand search investigation provides sufficient information to warrant such a borrow area design and a Real Time Kinematic – Global Positioning System (RTK-GPS) was used during the collection of geotechnical and geophysical data. RTK-GPS may be used for any project to provide increased accuracy in positioning.

**D.1. Quality Assurance Plan.** Dependent on the project-specific circumstances, increased daily hours of on-site observation than those suggested in the template document may be required.

**D.7.a. During Construction Sampling.** The degree of during construction sampling required will be dependent on the specific circumstances of the project. Dependent on the project conditions, sampling may be done more or less frequently than specified in the template plan.

Attachment: Sediment Quality Control/Quality Assurance Plan for Beach Restoration or Nourishment using an Offshore Borrow Area (Sample Template dated September 4, 2009)