



October 20, 2011

Weekly Meeting Memo CSE-23

MEMO

TO: Cliff Ogburn, Town of Nags Head, NC

FROM: Haiqing L. Kaczkowski (PE) and Tim W. Kana (PG)

RE: Nags Head Beach Nourishment Project (CSE 2203)

**Weekly Project Meeting of the Town, the Contractor, and the Engineer**

The weekly project meeting of the Town of Nags Head, the Contractor (Great Lakes Dredge & Dock, referred to as GLDD) and the Engineer (Coastal Science & Engineering, referred to as CSE) was held from 9:00 a.m. to 9:30 a.m. on Thursday, 20 October 2011, at the Town Hall. Items discussed during the meeting are summarized herein.

1) GLDD Production Updates

*Since the dredges returned from Norfolk, VA last Thursday afternoon, the Dodge Island and the Padre Island have made steady progress during the past week and are quickly filling the last remaining sections of unnourished beach. There are about 138,000 cubic yards of sand to be placed on the last ~3,800 ft (0.7 mile) of natural beach (between stations 571+00 and 605+00, and between stations 623+00 and 627+00). Last weekend the dredges finished the gap between 551+00 and 542+00 using the submerged pipeline near station 571+00 and afterwards they pumped south from the submerged pipeline near station 605+00. The dredges were at station 623+00 on Wednesday morning, October 19 and will be meeting the finished sections at 627+00.*



*Although the higher wave conditions in this area yesterday and today caused some delays in construction, pumping operations are still expected to be completed by the end of this month.*

*CSE has reviewed the fill volumes of the finished sections and has revised fill templates for the remaining sections based on GLDD's most recent survey. CSE will continue to review the fill volumes closely during the last week of pumping and will give guidance to GLDD regarding fill parameters as necessary.*

*Last week one of the legs of the survey equipment CRAB was shipped out for repairs, and is being re-assembled at this time. The CRAB is expected to be functional again sometime within the next few days.*

## 2) GLDD Demobilization and Project Completion

*Demobilization of the middle and southern project areas continued during the past week at the staging areas near Surfside Drive and Gray Eagle Street. Shore pipes, Y-valves and spreaders, fuel tanks and water tanks were loaded in trucks and sent offsite. The submerged pipeline near station 1005+00 has been removed completely and brought inside Oregon Inlet to be demobilized, and the pipeline near station 960+00 will be removed this morning (October 20). Demobilization is expected to be completed in the following few weeks.*

*The project manual specifies that the contractor is required to restore the upland areas of any beach accesses used by equipment. Any damaged pavement at staging areas will be repaired and ungraded mounds on the beach will be leveled. CSE will assist the town in putting together a punch list, and will notify GLDD regarding specific discrepancies during the demobilization phase.*



3) Sea Turtle Monitoring on the Beach

*Sea turtle monitoring on the beach has been going smoothly. No deviations have been reported this week.*

4) Biological Monitoring

*The town is currently reviewing CZR's post-dredging biological monitoring proposal while waiting for comments from interested parties on the pre-dredging biological monitoring report which was submitted on 29 September 2011. These pre- and post-project benthic monitoring efforts were required by resource agencies as special conditions of the permits. If the pre-dredging monitoring report is deemed satisfactory, the first post-project sampling event is expected to occur in November (weather permitting) immediately after cessation of dredging. The sampling schedule will coincide with CSE's post-project data collection. If agencies have any comments or suggested changes, CSE will coordinate with CZR to determine what revisions need to be made to the report and will re-submit a revised version if necessary.*

5) Storm Water Outfalls

*The town is verifying and finalizing the design of the outfall extension, and the extension project is expected to move forward soon.*

6) Anticipated Events and Schedule for Next Week

*Thursday, 27 October, at 9 a.m. — Weekly project meeting at the Town Hall  
(The Town, the Contractor, and the Engineer are expected to attend.)*

Enclosure: List of attendees and their contact information