



Aug 4, 2011

Weekly Meeting Memo CSE-12

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 9:45 a.m. on Thursday, 04 August 2011, at the Town Hall. Items discussed during the meeting are summarized herein.

1) GLDD Production Updates

*The Liberty Island has been working efficiently during the past week and has made significant progress. The dredge has been pumping southward from the landing point at station 825+00. She pumped through the Outer Banks Pier on Tuesday, August 2, and proceeded to station 876+00 where she reached her pumping capacity. GLDD plans to move the submerged pipeline to station 898+00 where the Texas stopped, and then pump north to meet the existing berm at 876+00 (about 2,200 ft.) The dredge is expected to start filling this gap on Sunday, August 7, provided the submerged line is in place by then. The northern submerged pipeline has been set up successfully at station 644+50 near Enterprise Street. The Liberty Island started pumping at this landing point on the morning of this meeting. Since the dredge started pumping on 24 May 2011, she has finished a reported volume of approximately 1.5 million cubic yards of sand.*



*The Texas had a good week of production and is proceeding southward from the landing point at station 960+50. She was pumping at station 987+00 on the morning of this meeting, and has a reported total volume of approximately 1.3 million cy since she started pumping on 21 June 2011.*

*GLDD has canceled its plans to bring the booster Jack up to the site. The booster Jack is currently standing by in Norfolk.*

*Together the dredges have moved approximately 2.8 million cubic yards of sand, which is more than 60 percent of the contract volume of 4.6 million cy. About 27,000 linear feet of beach has been nourished, which is ~51 percent of the total project length (10 miles or 52,800 linear feet).*

*GLDD will monitor Tropical Storm Emily during the week, and make decisions regarding its pumping schedule as the storm moves closer.*

**2) Beach Profile Monitoring**

*CSE staff monitored the entire beach early on the morning before this meeting. It was observed that the constructed berms are adjusting well towards their equilibrium profiles since the nourishment was completed at those sections. A low-tide terrace and neap berm has formed, and no escarpments were observed. CSE and GLDD will continue to monitor the beach, and encouraged the town staff and life guards to promptly report any escarpment greater than 18 inches.*

**3) Sandbag Issues**

*The CAMA staff placed stakes in front of the sandbag properties located near stations 864+00, 871+00 and 875+00 (Liberty Island sections) over the past week. Stakes will also be placed in front of the condemned properties near stations 990+00 and 991+00 this week. These are the sections along Seagull Drive where the berm will be placed seaward of the houses, sandbags or Mean High Water (MHW) line whichever is more seaward, and a landward slope at 1 on 8 will be constructed from the design berm elevation (+6 ft NAVD) to the toe of the construction boundary.*

*During the past week there were no reports of sandbag removal.*



4) Dredging Quality Management (DQM) Report from the USACE

*There was no DQM report from the USACE Mobile District Operation Division over the past week. If a report is received in the following days, GLDD will investigate any issues that are of concern to the USACE.*

5) Sea Turtle Nests Relocation and Sea Turtle Monitoring on the Beach

*Sea turtle monitors on the beach have maintained good communication with the GLDD on site crew. There has been no deviation on the beach over the past week. However, since GLDD has three active construction sites lately (ie -, the Liberty Island pump site at Enterprise, the Texas pump site at Seagull Drive, and pipeline movement near the Outer Banks Pier,) the monitor coordinator requested an additional monitor so that there could be one monitor for each site. This request has been granted, and a third monitor was added last night, August 3. Monitors reported that all vehicles were escorted when they removed pipes, and the active construction areas were monitored in compliance with the permits.*

*In the future, the monitor coordinator will decide if and when a third monitor is needed to cover all of GLDDs active work sites.*

6) Ocean Outfall Extension Project

*A contract for the ocean outfall extension project has been awarded to Carolina Marine Structures of Kill Devil Hills. Work will not begin on any specific outfall until that section of beach has been completely nourished. This decision was made to insure that no conflict arises between the two projects, nor any damage occurs to completed portions of the outfalls. The project should take approximately two weeks per outfall.*

7) Anticipated events and schedule for next week

*Thursday, 11 August, 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