



June 30, 2011

Weekly Meeting Memo CSE-07

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 9:10 a.m. to 10:00 a.m. on Thursday, 30 June 2011, at the Town Hall. An updated work schedule was distributed by the GLDD project manager before the meeting. Items discussed during the meeting are summarized herein.

1) GLDD's Production Updates

*The Liberty Island has been down due to mechanical issues since Saturday night, 25 June 2011. She was diagnosed with a damaged bearing in one of her main engines and was transited to Norfolk (VA) for repairs on Monday, June 27<sup>th</sup>. The current estimate of her return is mid July.*

*Before the Liberty Island was down, she was working in the vicinity of station 805+00 and had finished 175 loads with a reported volume of 798,477 cubic yards of sand. After she left the site for repairs, some of the construction materials were taken back to the storage area at Gray Eagle Street, and the restricted area associated with the Liberty Island has been minimized as much as possible to reduce impacts to beachgoers.*

*Since the Texas arrived on site Monday afternoon, June 20<sup>th</sup>, she has been digging in Borrow Area 3 and has built a preliminary pad from the submerged pipeline landing at station 960+50. After the pad was built, the Texas proceeded northward from that landing point with three outflows. Between June 28<sup>th</sup> and 30<sup>th</sup>, she encountered submerged pipeline problems and was*



*taken offline for repairs during these days. By the time of this meeting, most of the repairs including a scheduled maintenance had been conducted, and she is scheduled to be back to work later this afternoon.*

*According to the most recent work schedule, GLDD is expected to finish the dredging and pumping of the contract volume of 4.6 million cubic yards by 1 October 2011.*

2) GLDD's Payment Application

*GLDD confirmed that they received their first payment from the Town. Payment Application #2 will be submitted to the Town and the Engineer in the next few days in accordance with the contract agreement.*

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

*A DQM report from the USACE Mobile District Operation Division was received on June 29<sup>th</sup>. It is a summary of the Liberty Island's profile between June 21<sup>st</sup> and 28<sup>th</sup>. No new issues were mentioned in this report.*

4) Non-Capture Trawling Updates

*Non-capture trawling has been on standby since the Liberty Island left the site. There have been no incidents with protected or endangered species during the time when the non-capture trawling was conducted.*

5) Sandbag Issues

*The Hardesty house near Surfside Drive was the first property with sandbags in the fill template that GLDD encountered. CAMA stakes were placed at that location prior to construction. Since the easement of that property was not in place by the time of pumping, stakes along the Mean High Water (MHW) line and property boundaries were placed by the contractor under the direction of the Town. The contractor will be filling only seaward of the MHW line in front of this property. The outside area (of the designated buffer zone from the property boundary) will be filled according to the design templates after a 1 on 8 landward slope is applied.*



*CAMA representatives have received many phone calls in the past few weeks regarding sandbag removal. This week they observed for the first time that sandbags underneath a house were removed successfully.*

6) Easement Updates

*The Town reiterated that easements are already in place for those sections where the Liberty Island and the Texas are scheduled to work at landing points 825+00 and 960+50 (respectively). GLDD had requested the Town's direction on this matter ahead of time before pumping starts in future sections where an easement or lawsuit issue might be pending.*

7) Ocean Outfall Extensions Project

*A pre-bid meeting of the outfall extension project will be held at Conch Street this afternoon at 2 pm, June 30<sup>th</sup>, and participation is mandatory for all prospective bidders. Representatives of CSE and GLDD will attend to answer questions related to the beach nourishment project. Bids will be opened on 15 July 2011 provided three effective bids are received by that date.*

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

*The first sea turtle nest in the project area was observed at McCall Street Wednesday morning, June 29<sup>th</sup>. 132 eggs were found in this nest—131 eggs were relocated to Kill Devil Hills by NEST professionals and 1 egg was removed for DNA study.*

*A second nest was observed at Tides Street in the evening of the same day. 111 eggs were found— 110 were relocated to Kill Devil Hills and 1 was removed for DNA study.*

*The turtle monitoring coordinator requested access to the restricted area to inspect the pipeline that is located inside the fenced area which cannot be visually inspected from outside the fence. The main concern is that a turtle may enter the beach in a darkened area, encounter the pipe, and return to the water. Such turtle activities should be documented as "false crawls" or non-nesting events on all areas of the beach including the project area. If there are very dark areas within the restricted zone, and the pipeline inside the zone cannot be visually inspected from outside the fence, periodic inspection inside the fence is necessary. The monitoring coordinator indicated that the best times for the monitors to conduct such inspection in the active construction zone are*



*12 am and 5 am. GLDD has agreed to accommodate such requests, provided the following conditions are met:*

- (1) the turtle monitor is escorted by GLDD's on site staff during these designated times;*
- (2) the turtle monitor wears required attire which includes a hard hat, a safety vest, long pants, and closed-toe shoes;*
- (3) the turtle monitor has watched GLDD's safety videos before entering the construction zone.*

*GLDD's safety videos include a 5-minute visitor video and a 50-minute shore operations video which have been provided to the Town. The Town will provide a copy of these videos to the turtle monitors after the meeting.*

*The turtle monitors will exercise such inspection only when it is absolutely necessary, and this activity will occur as part of regular duties of the scheduled monitors and will not incur any additional cost to the Town.*

9) Anticipated events and schedule for next week

*Thursday, 30 June, at 2 p.m. — Pre-bid meeting for the outfall extension project at Conch Street*

*Thursday, 7 July, 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