



To Borough Residents, Borough of Mantoloking
From Robert C. Mainberger
Date October 12, 2015
Subject Status of Beach and Dune System: October 1 – 5, 2015 Storm Event

Residents:

As a result of the recent October 2015 Nor'easter which impacted Ocean County between October 1st and October 5th, 2015, the Borough of Mantoloking's dune and beach system has been severely damaged creating an imminent threat to public health and safety. The Borough experienced Northeast winds for the entire duration of the event with documented waves in the eight (8) to twelve (12) feet range for 96 consecutive hours. Due to the storm's low pressure system, the beach and dune system experienced higher than normal tidal conditions and significant waves. Severe erosion removed a portion of the summer beach berm and scarped the dune system. The damage was intensified as the summer berm was lost in the previous week's storm event.

Safety:

Due to the erosion of the dune and beach system, the Borough has vertical drop-offs along its seawall and dune scarps initially between eight (8) and twelve (12) feet but now five (5) to eight (8) feet in some areas making access to the beach almost impossible for the entire length of the Borough's 2.2 mile oceanfront. The event's erosion has exposed over 6,000 LF of the Borough's steel sheet pile sea wall however the integrity and protective value of the sea wall has not compromised in any fashion. Accordingly, at this time the Borough is limiting access to beach for emergency/construction personnel only until conditions improve. To aid in the safety of its residents, the Borough has agreed to allow the New Jersey State Office of Emergency Management to install a safety fence along the sea wall installation for fall protection. We ask that you please acknowledge the restriction from the beach until the conditions of the beach and dune system improve.

Restoration:

The Borough is fortunate that a good amount of the sand remains immediately off shore or just at the toe of the remaining dune system in some areas. Some of the sand has returned to the system. Since the natural transfer of sand to the dune system is not rapid enough to replace the eroded sand to provide protection and safe access to the beach in a timely fashion, the system will need to be restored by means of importing sand from an outside source (primarily at the street ends of Lyman Street, Downer Avenue and Princeton Avenue in preparation for restoration activities) in conjunction with cross-shore bulldozing to reestablish pre-storm conditions. These activities shall be conducted in accordance with the specific Standards set forth under NJAC 7:7E-3A as allowed under the Borough's General Maintenance Permit for post-storm dune restoration. Due to the amount of sand needed to repair the dunes to their pre-storm condition, the Borough should anticipate repetitive bulldozing activities as sufficient sand for this purpose becomes available in the berm area. Based upon the damage experienced and the amount of sand already accumulated within the beach berm, it is anticipated that the bulldozing activities will be commencing from the North and progressing South.

Should you require additional information, please do not hesitate to Contact the Borough and you will be advised accordingly.

Very truly yours,
Robert C. Mainberger