UPDATE OF NY BIGHT MONITORING PROGRAM FROM June 10 – June 16, 2006

NY Bight Sampling has been as follows:

June 10	NY/NJ Harbor Complex	Overflight
June 12	NY/NJ Harbor Complex	Overflight
June 13	NY/NJ Harbor Complex	Overflight
	LI Beaches	Rockaway to Shinnecock Inlet
June 14	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Cape May Point
June 15	NY/NJ Harbor Complex	Overflight
June 16	NY/NJ Harbor Complex	Overflight

Projected Activities for Next Week:

June 17	NY/NJ Harbor Complex	Overflight
June 19	NY/NJ Harbor Complex	Overflight
	NJDEP Nutrient Network	Sandy Hook to Barnegat
June 20	NY/NJ Harbor Complex	Overflight
	LI Beaches	Rockaway to Shinnecock Inlet
June 21	NY/NJ Harbor Complex	Overflight
	New Jersey Beaches	Sandy Hook to Cape May Point
June 22	NY/NJ Harbor Complex	Overflight
	Perpendiculars	NYB20's, JC14, JC27, JC41, JC53
June 23	NY/NJ Harbor Complex	Overflight
	NJDEP Nutrient Network	Barnegat to Delaware Bay

Floatables

The New York/New Jersey Harbor Complex was monitored for floatables six times from June 10 – June 16, 2006. The Harbor Complex was clear of significant floatable debris on June 10, 12, 13, 15 and 16.

On June 14, a large patch of garbage, approximately 200 yards by 100 yards, consisting of large wood and paper, was reported in Newark Bay. The Army Corps of Engineers conducted clean-up as necessary.

On June 16, an oily sheen, approximately 1/2 mile long by 20 feet wide was reported in the Arthur Kill. The sheen was reported to the US Coast Guard.

Bacteria

On June 13, bacteriological samples were taken along the Long Island coast from Rockaway Point (LIC01) to Shinnecock Inlet East (LIC28). On June 14, samples were taken along the New Jersey coast from Sandy Hook (JC01A) to Cape May Point (JC99). The Long Island samples were tested for fecal coliform (FC) and enterococcus bacteria. The New Jersey samples were analyzed for enterococcus bacteria.

On June 13, along the Long Island coast, the highest fecal coliform count, 52 FC/100ml, occurred at Rockaway Beach (LIC01). The highest enterococcus count, 9 enterococci/100ml, occurred at Atlantic Beach (LIC07).

On June 14, along the New Jersey coast, the highest enterococcus count, 23 enterococci/100ml, occurred at Strathmere (JC85).

All bacteriological values are below single sample maximum water quality standards.

Phytoplankton

Phytoplankton samples were collected along the New Jersey coast, in Raritan Bay, Sandy Hook Bay, Barnegat Bay, Great Bay, and Delaware Bay on June 14. Samples were given to the New Jersey Department of Environmental Protection, Bureau of Marine Water Monitoring's Leeds Point Laboratory for analysis. The results reported by NJDEP are attached in a separate file(NJDEP PYTO 061506report.doc).

The waters of Raritan/Sandy Hook Bay were experiencing a bloom of mixed diatoms consisting mostly of *Thalassiosira sp. and Cerataulina pelagica*. The total diatom count was 1,560 cells/ml.

A potentially toxic species of *Dinophysis sp.* was detected in the Raritan Bay but concentrations were below bloom or toxic levels. No other toxic species were detected in New Jersey coastal waters.