

### Occurrence and Abundance of Species Entrained

1. Entrainment monitoring shall commence by May 15 and continue through September 30. Entrainment monitoring shall consist of the collection of plankton samples that coincide with high tide.
2. Two entrainment samples shall be collected each sampling week between May 15 and June 15. From June 15 to August 31 three entrainment samples will be collected each sampling week. From August 31 to September 30 two entrainment samples will be collected each sampling week.
3. Sampling will be conducted through oblique tows of a 60 cm diameter plankton net with a mesh size of 0.333 mm. The total volume of water filtered per tow shall be no less than 100 m<sup>3</sup>. The tows will be obtained between the Northern Avenue bridge and the intake structure.
4. Larval American lobster and larval winter flounder shall be enumerated for all life stages. Larval stage entrainment shall be converted to adult equivalents when regional survival rates are available.

### **C. AMBIENT AND MIXING ZONE TEMPERATURE MONITORING**

**Within thirty (30) days of the effective date of this permit**, the permittee shall install two strings of thermistors from bridges in the Fort Point Channel. The permittee shall install one thermistor string from the West side of the Northern Avenue Bridge to measure ambient water temperatures at the mouth of the Channel, outside the designated temperature mixing zone. A second thermistor string shall be suspended from the West side of the Congress Street Bridge. Each string shall be equipped with a data logging device to allow the development of a continuous data record. The temperature monitoring equipment shall remain in place long enough to confirm the validity of the COMIX model used to establish the temperature mixing zone. The permittee shall continue collecting data from the two stations until receipt of written authorization by EPA to discontinue such monitoring. The permittee is solely responsible for gaining all permits and authorizations necessary for the placement of the temperature monitoring strings in the Fort Point Channel. The data shall be reported to EPA and DEP quarterly. The data shall be submitted with the Discharge Monitoring Report for the month following the end of each calendar quarter: April, July, October, and January.

### **D. MONITORING AND REPORTING**

Monitoring results obtained during the previous month shall be summarized for each month and reported on separate discharge monitoring report (DMR) forms postmarked no later than the 15th day of the month following the effective date of the permit.

Signed and dated originals of these, and all other reports required herein, shall be submitted to the Director and the State at the following addresses: