

SECTION 01100**HAZARDOUS MATERIAL ABATEMENT****PART 1 GENERAL****1.01 SUMMARY****A. Section Includes**

1. Procedures for preventing and abating the release of hazardous materials resulting from the Contractor's operations.
2. Procedures for the removal, handling and disposal of asbestos cement sewer pipe.
3. Comply with all Federal, State and Local ordinances with regard to hazardous materials abatement.
4. Refer to the Town of Needham Reference Specifications included in Appendix I for work related to the Town of Needham utilities.

PART 2 PRODUCTS (NOT USED)**PART 3 EXECUTION****3.01 PREPARATION****A. Keep the following minimum spill response and prevention equipment available on site:**

1. Plastic Wading Pools - Three (3) plastic wading pools (inflatable or rigid) shall be available at construction site.
2. Absorbent - Fifteen (15) 50-pound bags of industrial absorbent shall be available at the construction site. Spread absorbent on puddles of hazardous materials or use as diking material to contain spills.
3. Plastic Sheeting - A 10-foot wide by 100-foot long or larger roll of polyethylene plastic sheeting shall be available at the construction site. Use polyethylene plastic sheeting as a protective barrier between the ground and hazardous materials.
4. Shovels - Five (5) shovels shall be stored at the construction site exclusively for use to build dikes or clean up contaminated soils and absorbent.
5. Storage Drums - One 55-gallon open top steel drum or a container of similar

construction shall be available at the construction site for disposal of contaminated materials.

6. Communication Device - A two-way radio or other communication device shall be available at the construction site to call for emergency aid.

3.02 APPLICATION

- A. During refueling and lubrication, the following spill prevention measures shall be employed. A plastic barrier shall be placed beneath the nozzle where the refueling hose connects to the equipment. Two (2) arrangements may be used:
 1. Place an air-filled or rigid plastic wading pool under the filling area. The wading pool shall be approximately three (3) feet in diameter with six (6) inch sides or longer.
 2. Dig a depression in the ground under the filling area. Depression will be three feet in diameter and six (6) inches at its center or more. Sides of the depression will slope towards the center. A single piece of polyethylene plastic shall then be placed over the depression such that the plastic completely covers the center of the depression. Center of the depression is approximately under the fuel fill inlet.
- B. During refueling and lubrication, spill response equipment shall be in close proximity to the operation.
- C. All parked (for greater than 24 hours) mobile construction equipment and any stationary construction equipment containing hazardous substances shall be placed over polyethylene plastic sheeting.
- D. In the event of any spill/leak of hazardous material, immediately clean up the hazardous material and contaminated soil and/or water. The following cleanup procedures apply:
 1. Immediately notify the Authority, local and state officials of the spill or release.
 2. If a spill/leak occurs and is contained in the plastic barrier, absorb the liquid with industrial absorbent and dispose of plastic barrier and absorbent in accordance with federal, state, and local regulations. Do not re-use a contaminated barrier.
- E. In the event of a large spill or release of hazardous material to the environment, the following cleanup procedures apply:
 1. Immediately notify the Authority, local and state officials of the spill or release.
 2. Immediately contain spill with available emergency equipment. Use soil or industrial absorbent dikes to stop spills from running into surface waters. Soak up puddle spills with industrial absorbent.

3. Eliminate and restrict all sources of ignition from spill.
 4. Determine exact source of leak or spill, amount and area affected by release.
 5. Stop flow of material to the ground if still leaking (i.e. divert spilling material into a container or wading pool).
 6. Position fire extinguishers within twenty-five (25) feet of clean-up area.
 7. Collect contaminated material (for example absorbent, rags, contaminated soil) into a recovery drum and label for legal off-site disposal in accordance with all applicable regulations.
 8. Clean up, restore, and replace spill response equipment.
- F. For asbestos cement sewer or drain pipe:
1. Notify the Authority, local and state officials including the Town of Needham.
 2. Follow procedures for identification, documentation, notification, removal, handling, and disposal in accordance with MassDEP guidelines.
 3. Refer to the Contract Drawings for locations of asbestos cement pipe to be replaced or removed.

3.03 SECURITY MEASURES

- A. Comply with the following Security measures as follows:
1. All equipment shall have locking fuel tank caps. These caps shall be locked at all times. Fuel tank drain cocks or valves shall have handles or wheel operators removed.
 2. Disable all construction equipment and vehicles left in the construction area during non-working hours.

**** END OF SECTION ****

