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September 22, 2011

Mr. David Ellis  
Department of Environmental Protection  
Southeast Regional Office  
20 Riverside Drive  
Lakeville, Massachusetts 02347

Subject: Summary of Groundwater, Surface Water, and Gas Sampling  
Nantucket Landfill – March 2011  
Nantucket, Massachusetts

Dear Mr. Ellis:

On March 14 and 15, 2011, Camp Dresser & McKee Inc. (CDM) personnel collected groundwater and surface water samples and field analyzed landfill gas samples at the Nantucket Landfill in Nantucket, Massachusetts. The sampling was performed in accordance with the Massachusetts Solid Waste Management Regulations (310 CMR 19.132) and the approved Environmental Monitoring Plan, prepared by SECOR International Inc. in July 1999, for the landfill. All samples were delivered to Alpha Analytical Laboratories, Inc. in Westborough, Massachusetts for analysis of the required parameters in the Solid Waste Management Regulations.

This report contains the following:

Appendix A contains a site plan (Figure 1) which shows each sampling location. Appendix B contains Tables 1 through 6 which summarize field and laboratory sampling results. Tables 1 through 6 specifically contain the following:

- Table 1 summarizes the groundwater levels measured at each groundwater monitoring well.
- Table 2 summarizes the analytical results for indicator parameters (alkalinity, chloride, chemical oxygen demand (COD), cyanide, nitrate-nitrogen, sulfate, and total dissolved solids (TDS)); dissolved metals (arsenic, barium, cadmium, calcium, chromium, copper, iron, lead, manganese, mercury, selenium, silver, sodium, and zinc); and parameters measured in the field (temperature, conductivity, dissolved oxygen, and pH) for groundwater samples.
- Table 3 summarizes the analytical results of VOCs for groundwater samples.
- Table 4 summarizes the analytical results for indicator parameters (alkalinity, chloride, chemical oxygen demand (COD), cyanide, nitrate-nitrogen, sulfate, total

