

**ITEM 01203.9802 M - SAMPLING AND WASTE CLASSIFICATION OF PETROLEUM
CONTAMINATED SOIL**

DESCRIPTION:

This work shall consist of the sampling of petroleum contaminated soil. Petroleum contaminated soil shall be defined as soil which is contaminated by kerosene, jet fuel, diesel, turbine oil, heating oil, gasoline, lubricating oils, and grease. The Engineer will determine if soils are contaminated by visual observation, smell, and headspace tests using a photo or flame ionization detector. Sampling shall be performed on any pile of contaminated soil excavated and stockpiled as directed by the Engineer.

MATERIALS:

None

CONSTRUCTION DETAILS:

Sampling and Waste Classification. The quality of the sampling program and all data generated shall be the responsibility of the Contractor. The Contractor shall use qualified personnel for sample collection.

The Contractor shall take one composite sample, for every 100 cubic meters of petroleum contaminated soil excavated and stockpiled on a per site basis.

Stockpiled contaminated soils shall be sampled and analyzed using USEPA Method 8021 and Method 8270 performed on the extract from those soils; that extract will be prepared using the Toxicity Characteristic Leaching Procedure (TCLP) methodology, which is USEPA Method 1311. The Contractor will also include ignitability, corrosivity, and other tests that are requested by the treatment, storage, or disposal facility, and could include the full TCLP testing, TCLP testing for metals only, TPH (total petroleum hydrocarbons), PCB screen, or BTEX (benzene, toluene, ethylbenzene and xylene).

All sample containers shall be marked and identified with legible sample labels which shall indicate the project name, sample location and/or container, the sample number, the date and time of sampling, and other information that may be useful in determining the character of the sample.

All equipment involved in field sampling activities shall be cleaned with a detergent solution followed by a deionized water or potable water rinse prior to sampling and also following use, and before demobilization from the project area.

Samples shall be sent to a New York State Department of Health approved laboratory, which is certified to perform the applicable test methods.

Chain-of-Custody shall be tracked from laboratory issuance of sample containers through laboratory receipt of the samples.

The Contractor will submit laboratory results to the Engineer. If test results conclude the stockpiled contaminated soil meets hazardous conditions, the soil is considered a hazardous waste. Hazardous waste removal will be handled under separate contracts. The Contractor may quote on that work at such time. If the soil does not meet hazardous conditions, it will be considered a non-hazardous petroleum contaminated soil and disposed of in accordance with provisions found elsewhere in the Contract.

METHOD OF MEASUREMENT:

Sampling of Petroleum Contaminated Soil shall be measured as the actual number of samples collected and analyzed as directed by the Engineer. This item is serialized and shall be paid on a per site basis.

BASIS OF PAYMENT:

The unit price bid for this work includes the cost of furnishing all materials, labor, and equipment to satisfactorily complete the work, including all fees.