

**ITEM 15203.9910 M - SAMPLING AND LABORATORY ANALYSIS OF SOIL FOR  
NYSDEC STARS PARAMETERS**

**DESCRIPTION**

Sample soil and analyze for NYSDEC (New York State Department of Environmental Conservation) STARS (Spill Technology and Remediation Series) Memo #1 petroleum contamination parameters at an approved laboratory.

**MATERIALS** None Specified

**CONSTRUCTION DETAILS**

The lead times for submittals included in these Construction Details are for work that is included in the original project contract where the potential for petroleum contamination is expected. For work that was not included in an original project contract resulting from unexpected encountering of petroleum contamination which does not allow for indicated lead times, the time frames for submittals and notifications will be negotiated at the time of the agreement for this work.

**I. Sampling Plan** - At least 30 days prior to commencing work in the potentially petroleum-contaminated areas, prepare and submit a Sampling Plan (the Plan) to the Engineer-in-Charge (EIC) and the Department Regional Landscape Architecture Environmental Services Unit for review and acceptance. The Plan shall include the name, address, ELAP status and telephone number of the proposed laboratory for STARS parameter analysis. The laboratory must be approved by the New York State Department of Health Environmental Laboratory Approval Program (ELAP) for the intended analyses. The Plan shall also include training and experience of the personnel who will collect samples.

*Note: If other laboratory sampling and analysis of contaminated soil items are specified in this contract, the sampling plan may be a combined plan to address all sampling and analysis requirements. If a Disposal Plan is required under other items of work (i.e., disposal of petroleum-contaminated soil) for this contract, the Contractor may include the sampling plan information in the Disposal Plan.*

**II. Sampling and Laboratory Analysis:**

A. All sampling shall be conducted by a person trained in sampling protocols using standard accepted sampling practices for obtaining representative samples. Collect samples from each preliminarily petroleum-contaminated soil stockpile as soon as possible after the pile is generated. Conduct any analyses at a NYS Department of Health approved laboratory certified to perform the required tests. Complete analyses within 10 working days of sample collection. Provide a copy of the analysis report to the EIC within 2 days of completed analysis.

B. Collect representative composite samples of the soil from potentially contaminated piles from a depth of greater than 30 centimeters within a stockpile. Include, at a minimum, four sample points for each composite sample and one composited sample for every 50 cubic meters of soil or as directed by the EIC.

C. Analyze all samples using USEPA Method 8021 for volatile organics and methyl t-butyl ether (MTBE) and Method 8270 for base/neutrals only on the extract from the samples; prepare the extract using the Toxicity Characteristic Leaching Procedure (TCLP) methodology, USEPA Method 1311.

**METHOD OF MEASUREMENT** The quantity shall be measured by the actual number of samples collected and analyzed as directed by the specifications and the EIC.

**BASIS OF PAYMENT** The unit price shall include the cost of furnishing all labor, materials, equipment, and documentation necessary to complete the work.

**ITEM 15203.9910 M - SAMPLING AND LABORATORY ANALYSIS OF SOIL FOR  
NYSDEC STARS PARAMETERS**

Payment will be made under:

ITEM NO.	ITEM DESCRIPTION	PAY UNIT
15203.9810 M	SAMPLING AND LABORATORY ANALYSIS OF SOIL FOR NYSDEC STARS PARAMETERS	EACH