

WEST VALLEY SITE MANAGEMENT PROGRAM STATEMENT OF WORK

Title:	Engineering Services Contract for the West Valley Site Management Program (WVSMP)
Objective:	Provide the NYSERDA WVSMP with Professional Engineering services necessary to successfully complete the mission and responsibilities at the Western New York Nuclear Service Center (WNYNSC) near West Valley, NY. Typical engineering disciplines that may be required include; geotechnical, geomembrane, environmental and structural disciplines.

Purpose and Scope

The purpose of this Statement of Work is to identify the main components of the Professional Engineering services contract to assist NYSERDA with carrying out the mission of the WVSMP. The main components of this engineering contract include the analysis, planning, design, regulatory assistance, monitoring of field activities and document review in support of the WVSMP's mission. The anticipated scope of services that may be requested under this contract include, but are not limited to, the following items;

Analysis - The Contractor may be required to provide the following engineering services:

- Inspection, monitoring, and design mitigation of active erosion or erosion potential
- Modeling of groundwater, stormwater and/or erosion for various discharges or events
- Analysis of leachate treatment options
- Analysis of geomembrane cover integrity and effectiveness
- Slope stability assessment

Planning - The Contractor may be required to provide the following engineering services:

- Development of a plan to replace the geomembrane cover over the SDA
- Development of conceptual plans for site closure activities
- Review of planning documents prepared by other entities
- Completion of various topographic and boundary surveys as well as legal descriptions

Design - The Contractor may be required to provide the following engineering services:

- Development of plans and specifications for erosion control structures and measures
- Design of stormwater detention basins and outfall structures
- Preparation of inspection and maintenance plans for erosion control measures
- Design of new geomembrane cover

Regulatory Assistance - The Contractor may be required to provide the following services:

- Research and review of applicable regulations
- Preparation of supplemental drawings, reports, etc.
- Drafting of permit applications and/or supporting documentation
- Attendance at meetings with regulatory personnel
- Development of SWPPPs and BMPs in support of large construction projects

Monitoring of Construction Activities - The Contractor may be required to provide engineering services for the following activities:

- Construction monitoring for compliance with plans and specifications
- Oversight of field crews/sub-contractors
- Implementation of field changes and Engineering Change Notices
- Documentation of field observations
- Preparation of as-built drawings

The contractor shall place and manage subcontracts as needed to complete the services requested under this contract. Subcontracts shall be awarded in accordance with NYSERDA contracting procedures.