

## **Attachment 1**

### **Department of Resources Recycling and Recovery**

#### **SCOPE OF WORK**

##### ***Solid Waste Engineering Services Contract***

#### **I. INTRODUCTION/OBJECTIVES**

Pursuant to Public Resources Code Sections 48020 et seq., the Department of Resources Recycling and Recovery (CalRecycle) Solid Waste Disposal and Codisposal Site Cleanup Program (Program) is authorized to remediate threats to public health and safety or the environment at solid waste disposal and codisposal sites where the responsible parties either cannot be identified or are unable or unwilling to pay for timely remediation. In administering the Program, CalRecycle is authorized to expend funds directly for cleanups. The objective of this contract is to support the Program in performing timely remediation work at solid waste disposal and codisposal sites throughout California by providing engineering services. Tasks and activities listed in this Scope of Work (SOW) may also support remediation of waste tire sites and tire aspects of mixed solid waste/tire sites.

#### **II. WORK TO BE PERFORMED**

This contract will provide engineering services to investigate potential remediation sites and to develop necessary documents for CalRecycle-managed contractors to remediate CalRecycle-approved sites. Site investigations and remediation scopes of work are developed for sites throughout California. The resultant Site Investigation Report/Scope of Work (SIR/SOW) for sites considered under the Program are included with Work Orders to CalRecycle's environmental services contractors to assist in preparation of remediation Work Plans. This contract provides engineering services required to support the Program. The Consultant may assist CalRecycle staff in all phases of the site investigation and scope of work development.

Based on previous consultant contracts, as many as five different sites may be under investigation at any one time. The level of investigation may vary significantly, but sampling and testing, design, coordination with local agencies, and other activities listed below are expected to be required for multiple sites at the same time. Concurrent construction management of two or three remediation projects may also be required.

The variety of types of work that may be done under this contract, the manpower requirements and the geographic extent of the Program may require occasional staffing levels beyond the capabilities of a single firm. Joint ventures or use of qualified subconsultants will be allowed to fulfill requirements of this contract. Although the types of work listed below have been used with previous contracts, the level of assistance has varied greatly. Often, assistance was limited to a few types of work at a site, while in other situations many types of work were required.

Firms interested in this contract must be able to provide staff with technical abilities, related experience, and in sufficient numbers to ensure cost effective and timely remediation of sites selected for the Program. All consultant field staff shall be currently certified for Hazardous Waste Operations and Emergency Response (HAZWOPR) in accordance with Title 29, Code of Federal

Regulations (29 CFR), Section 1910.120 and Title 8, California Code of Regulations (8 CCR), Section 5192 and have appropriate experience to adequately perform the tasks outlined below. Types of anticipated work include, but are not limited to:

1. Site surveys, including topographic, aerial, and boundary surveys.
2. Title and deed searches for determining property ownership. Review and research site history and operation with employees of CalRecycle and local, state, and federal agencies to determine potential responsible parties.
3. Grading of sites from 0.5 to 30 plus acres. Sites have terrain ranging from essentially flat to containing 1.5:1 slopes.
4. Excavation and embankment evaluation, design, quantity calculations and construction testing and inspection.
5. Site drainage including swales, ditches, underground pipe systems, and sedimentation and retention basins.
6. Erosion control systems and planting/vegetation to reduce erosion.
7. Geotechnical investigations; sampling, analyzing, and material classification.
8. Field characterization of waste, sampling and analysis of waste materials.
9. Hazardous material classification, handling, packaging, manifesting, hauling, and disposal, including emergency response and assessment of spills and unknown wastes at remediation sites and performing radiological support and disposal.
10. Preparation of site-specific remediation plans and specifications.
11. Obtain permits from various local, county, state, and federal regulatory agencies for site remediation.
12. Construction quality assurance testing and monitoring, including daily field reports and quality assurance test results. During construction, the Consultant may be required to provide full time construction quality assurance services.
13. Construction management, including daily work logs and Construction Completion Reports and field checking of lines and grades. During construction, the Consultant may be required to provide full time construction management services.
14. Preparing community education and outreach programs and/or assisting with public events to support the Program.
15. General assistance for presentations, work planning, meetings, etc.

16. The consultant will have industrial hygiene resources available to provide occupational health and safety support for field staff. Resources available must provide health and safety services including but not limited to development of site specific health and safety plans, industrial hygiene field support, employee exposure monitoring, site assessment, characterization & control measure, on-site consultation and respirator fit testing and training.
17. The Consultant must have resources available to respond to emergency situations at sites within a twenty-four (24) hour period following CalRecycle notification. All Emergency Response personnel shall be currently certified for Hazardous Waste Operations and Emergency Response (HAZWOPR) in accordance with Title 29, Code of Federal Regulations (29 CFR), Section 1910.120 and Title 8, California Code of Regulations (8 CCR), Section 5192.

### **III. TASKS IDENTIFIED**

All work under this Agreement will be performed through Work Orders issued to the Consultant. When Program staff determines the need for engineering services under this Agreement, a Work Order will be issued. The Work Order will detail specific tasks or activities to be completed, provide a schedule for completion, and give a maximum cost for accomplishing the work. Work Order costs will be determined after discussions between the Consultant and Program staff and the preparation of a cost estimate by the Consultant.

The Consultant shall not perform or undertake any work that is not indicated or addressed in the Work Order. The Consultant shall immediately notify Program staff of any condition or event that may interfere with completion of the work, or which may require a modification in the Work Order. Program staff will, in a reasonable time, provide written direction to the Consultant clarifying any required adjustment to the Work Order. Any unauthorized modification of the Work Order, work in excess of that provided for in the Work Order, or changes and additions not authorized in writing by Program staff, will not be considered for compensation.

### **IV. CONTRACT/TASK TIME FRAME**

The anticipated contract termination date is December 2013, but CalRecycle may extend or terminate the contract as deemed necessary and in accordance with the contract provisions. Deadlines for each authorized task are to be specified in each Work Order.

