

Statement of Work

Moab UMTRA Project Site – Weed Control, FY 2007

Introduction

The U.S. Department of Energy (DOE) is conducting soils remediation and revegetation at the Moab UMTRA Project Site in Moab, Utah. To promote the continued establishment of native plant communities and to prevent the establishment and spread of weed species in newly-remediated areas, weed control is required. A weed control plan has been created for the site for Fiscal Year 2007 (see attachment); some portions of the weed control plan will be implemented by DOE's Contractor, but other portions will be subcontracted. This Statement of Work applies only to the subcontracted portion. Specific tasks to be included in the subcontract shall be determined by the technical monitor for this Statement of Work and coordinated with Subcontractor as needs arise. This Statement of Work will not exceed 240 hours of work for an individual employee, however if subcontractor is employed for additional DOE work or projects and an employee works on a DOE site more than 240 hours, the subcontractor shall notify the contractor prior to the limit, and be aware new federal regulations (10 CFR 851, Worker Safety and Health Program) have additional requirements which must be performed.

Scope of Work

Weed control will be required on an estimated 3 to 5 acres of land, and will potentially include any or all of the following treatments, as assigned by the technical monitor:

1. Spot chemical treatment of Russian knapweed (*Acroptilon repens*) and diffuse knapweed (*Centaurea diffusa*), to be repeated as necessary to achieve maximum control. Note: these weeds have been successfully treated in past years; scattered individuals remain to be controlled.
2. Pre-emergent spraying in specific areas to reduce populations of nuisance annual weeds including kochia (*Bassia scoparia*) and Russian thistle (*Salsola tragus*). The herbicide must be highly effective on kochia and nontoxic to established desirable perennial grasses, forbs, and woody shrubs and trees.
3. Application of broadleaf herbicide, using anti-drift techniques, to nuisance annual weeds, particularly kochia and Russian thistle. The herbicide must be highly effective on kochia and nontoxic to native grasses.
4. Application of appropriate herbicides for spot-control of halogeton (*Halogeton glomeratus*) and puncturevine (*Tribulus terrestris*).
5. Hand-pulling or mechanical control of mature weeds, including kochia, Russian thistle, and puncturevine.
6. Cut-and-treat techniques to control scattered individuals of Russian olive (*Elaeagnus angustifolia*).

A per-acre estimated cost for a. Herbicide application per treatments #1-4 above; b. Labor rate to hand-pull and mechanically cut weeds; and c. Cut-and-treat individual Russian olive plants; and a summary of anticipated incidental costs are requested by the Contractor.

Equipment and Materials

The Subcontractor shall provide all required materials for herbicide application and mechanical weed control including all Contractor- and manufacturer-recommended personal protective equipment.

Site Access and Conditions

This area is accessible from State Highway 191; subcontractor will check-in at the guard gate and contractors office each work day. The Subcontractor shall be knowledgeable of general and local conditions that may affect the cost or quality of the performance of the work. The Contractor's technical monitor will clearly identify the boundaries of the areas to be treated.

Permits and Licenses

The Subcontractor shall provide any permits, training, and certifications for herbicide application.

Site Sanitation Facilities

Portable and/or toilet facilities are available at the job site.

Health and Safety/Environmental Compliance/Quality Assurance

Integrated Safety Management

The Contractor will define, direct, and coordinate Health and Safety for all site activities. DOE and the Contractor are committed to systematically integrating environment, safety, and health management into all facets of work planning, practices, and execution at all levels (Integrated Safety Management) so that the work is accomplished while protecting the workers, the public, and the environment. For the purposes of integrated safety management, the definition of safety encompasses safety and health, and environmental protection including pollution prevention and waste minimization. Subcontractor personnel, including lower tier subcontractors, are responsible for following work instructions, procedures, and taking precautions to prevent injury to themselves and others.

Project Safety Plan or Health and Safety Plan

All work performed shall be conducted in accordance with the U.S. Department of Energy, Moab Project Health and Safety Plan, November 2005 and safety regulations promulgated by DOE, the Occupational Safety and Health Administration (OSHA), and subcontract documents.

Job Safety Analysis

The Contractor will prepare a Job Safety Analysis (JSA) for the specific activities of this project, the hazards identified with the activities, and the controls and/or protective equipment to mitigate those hazards. Subcontractor personnel shall review and understand the JSA prior to the start of work and add any additional identified hazards or concerns to the JSA, thereby integrating safety management into the work place.

Worker Responsibility

Workers are responsible for performing tasks in accordance with provided training and may not perform tasks for which they have not been adequately trained. Workers are also responsible for identifying safety concerns, potential hazards, or unsafe conditions to management. Each worker has the right, responsibility, and authority to report unsafe or environmentally unsound conditions or practices and stop work activities without fear of reprisal for the prevention of injuries or accidents.

OSHA Competent Person

For each phase of work the subcontractor shall designate one trained, qualified, professional person from the personnel provided to act as a working Superintendent/Foreman/Lead Site Manager to provide subcontractor crew supervision. The individual shall also be designated as the OSHA competent person. Provide name(s) of competent person(s) in accordance with OSHA regulations on attached "Subcontractor OSHA Competent Person Designation" form at the end of this SOW. The identified OSHA competent person shall meet the requirements of a competent person for each OSHA component of the work, (i.e. hoisting and rigging, scaffolding, or excavations).

Submittal: Fill out and submit the OSHA Competent Person Designation and Subcontractor Superintendent/Foreman/Lead Site Manager Acknowledgement of Understanding form included with this solicitation. Provide name(s) for each specialized OSHA component of the work. The form shall be updated as the project progresses and changes in personnel occur and specialized phases of work are initiated.

Accident Reporting

The subcontractor shall immediately report to the Contractor any accident, incident, or near miss that could affect the health and safety of the site workers or general public involving personal injury or property damage, however minor, as well as any illness or injury known or suspected to have an occupational cause. The subcontractor shall immediately secure the equipment and/or work site involved in an accident, event, or near miss until the Contractor grants permission to return to work. The subcontractor shall cooperate fully with Contractor and DOE personnel in any investigation of an accident, illness, or injury.

The Contractor's Site Safety Supervisor will be responsible for operational health and safety coverage during weed control activities. All Subcontractor personnel working on this project shall be required to attend a pre-work briefing and develop a job safety analysis as soon as practical after the Subcontractor has mobilized equipment to the project site.

The Site Safety Supervisor or the Subcontractor will suspend all work when an unsafe practice or condition is observed. Work will not proceed until the unsafe practice or condition is corrected and the Site Safety Supervisor, or designee, approves the resumption of work. The Subcontractor shall not be compensated for efforts required to correct any unsafe practice or condition created by its actions.

No special hazardous waste or radiation worker training is required for activities outside the controlled area. All work performed under this statement of work is outside the controlled boundary of the site.

Equipment Inspections

The Contractor's Site Safety Supervisor will inspect all Subcontractor-furnished equipment (only applicable for mechanical weed control) at the start of the project and at other times, as necessary, and record the conditions on an appropriate form. The Subcontractor shall inspect its equipment on a daily basis and record on the form each day. The Subcontractor shall maintain and operate all of its equipment in accordance with applicable regulations. All equipment shall be cleaned prior to mobilization on site to minimize weed seeds.

Submittals

The Subcontractor shall submit a copy of their OSHA 300 and 300A forms and their experience modification rate (EMR) for 2004, 2005, and 2006 prior to award of this work scope. The subcontractor will also submit the attached OSHA Competent Person form. The Subcontractor shall also submit an MSDS sheet for each herbicide to be applied and a brief written summary of:

the type of equipment to be used

the application rate of the herbicides

anti-drift methods and procedures to be used

use of dye, if any, and

the application rate of surfactant

Period of Performance

All herbicide treatment shall be accomplished between March 1, 2007 and April 30, 2007.

Technical Monitor

Ed Baker is the Contractor's technical monitor for this work scope.

Subcontractor OSHA Competent Person Designation

The following individual(s) representing _____ are designated as the *OSHA Competent Person*, and are capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to personnel on the site or the public, and has authorization to take prompt corrective measures including "stop work" authority to eliminate them, while overseeing the specific work scope outline in this Subcontract.

1. Competent Person _____
Name *Date*

Descending order of Designated Competent Person in Line 1's or 2's Absence:

2. _____
Name *Date*

3. _____
Name *Date*

1. Specialized Work Competent Person:

Name **Date**

Type of Work

Subcontractor Superintendent/Foreman/Lead Site Manager Acknowledgement of Understanding

I, _____ designated as the assigned on-site Subcontractor
Name
Superintendent/Foreman/Lead Site Manager for Subcontract No. _____ acknowledge
that I have read and understand the Subcontract documents relative to the scope of work for this project.

Superintendent/Foreman/Lead Site Manager Signature

Company

Date