



A Salish and Kootenai Tribally-Owned Enterprise - SBA 8(a) Certified

Date: 16 October 2009
To: Potential Offerors
Subject: Solicitation SKA-09001-16-10, *Moab Uranium Mill Tailings Remedial Action Project Well Field Expansion Drilling*

S&K Aerospace, LLC (SKA), the Department of Energy Technical Assistance Contractor for the *Moab Uranium Mill Tailings Remedial Action (UMTRA) Project*, has a requirement for well field expansion. For this acquisition to commence while the formal solicitation package is being prepared and to conduct a pre-proposal site visit tour on 27 October 2009, SKA has elected to post a draft statement of work, acquisition schedule, pre-proposal site visit tour information and other items on this Moab Website prior to issuing the solicitation.

Acquisition Schedule:

Set forth below is the acquisition schedule for the well field expansion effort. After completing the pre-proposal site visit, you are requested to address the feasibility of the acquisition schedule with the SKA Project Manager who is identified herein.

Acquisition Schedule	
Activity	Date
Posting of Draft SOW on Moab Website	Fri, 16 Oct 2009
Posting of solicitation on Moab Website	Fri, 23 Oct 2009
Pre-Proposal Site Visit	Tues, 27 Oct 09
Submittal of Offeror's Questions	Thurs, 29 Oct 09
Posting list of offeror's questions with SKA answers on Moab Website	Tues, 3 Nov 09
Proposal Due	Tues, 10 Nov 09
Award Notice	Fri, 13 Nov 09
Issuance of Subcontract	Mon, 16 Nov 09
Commence Work	Mon, 30 Nov 09
Completion Date	Thurs, 31 Dec 09

Pre-Proposal Site Visit Tour:

A pre-proposal site visit tour will be conducted on Tuesday, 27 October 2009 at the Moab UMTRA project site. The physical address is 2021 No. Highway 191, Moab, UT 84532. The tour will begin at



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1:00 p.m. mountain time so arrive by 12:45 p.m. to process in. The tour will last approximately two hours. Upon arrival at the site, visitors are requested to go to the Administration trailer.

By 1:00 p.m. mountain time, Monday, 26 October 2009 please provide the SKA Project Manager with the name(s) of the personnel who will be attending the site visit on behalf of your firm.

The tour will be conducted by Mr. Ken Pill, the SKA Ground Water Manager, and Ms. Liz Glowiak. Ms. Glowiak phone number is 435.719.2809 and her email address is: liz.glowiak@gjemtac.doe.gov.

Draft Statement of Work:

The draft well field expansion statement of work (SOW) is enclosed for your review and comment, see attachment 1. Upon reviewing the SOW should you have any questions you may present them at the pre-proposal site visit tour and/or submit them via e-mail to the SKA Subcontracts Manager who is identified below.

Proposal Format:

Enclosed for your review and comment is the technical proposal format, see attachment 2. After reviewing the format should you have any questions you may present them at the pre-proposal site visit tour and/or submit them via e-mail to the SKA Subcontracts Manager?

Minimum Qualifications:

Due to the technical nature of the work, the successful offeror shall have a minimum of five (5) years of business experience in environmental and hazardous waste site water well drilling and shall have the ability to provide the necessary and required drilling equipment. The offeror's driller shall have a minimum of four (4) years experience in casing advance drilling and remediation well installation

It is SKA's policy that all work performed on or at the Moab UMTRA Project shall be conducted in a manner that protects workers, the public, and the environment. The objective of this policy is to establish a consistent site-wide approach to worker protection by incorporating safety and health into daily activities. To support the effective implementation of this policy, only those firms which have demonstrated safety performance equal to the standards called out in the attached Safety, Health and Quality Worksheet shall be eligible for an award. The worksheet is enclosed herewith as attachment 3.

Department of Labor (DOL) Wage Determination (WD):

Service Contract Act DOL WD 2005-2532 will apply to the Well Field Expansion effort. A copy of the WD is enclosed herewith as attachment 4.

Evaluation Factors:

There will be two evaluation factors 1) price and 2) past performance. The price factor will have more importance than past performance.



A Salish and Kootenai Tribally-Owned Enterprise - SBA 8(a) Certified

Points of Contact:

SKA Ground Water Manager

Name: Ken Pill

Grand Junction CO Office

Phone: 970.257.2147

E-mail: Ken.Pill@gjemtac.doe.gov

Subcontracts Manager

Richard (Rick) S. Christopher, Jr.

C/O S&K Technologies, Inc., Dayton Ohio Office

Phone: 937.781.2312

Email: rchristopher@sktcorp.com

Regards,

Richard (Rick) S. Christopher, JR.

Richard (Rick) S. Christopher, JR.

SKA Subcontracts Manager

C/O S&K Technologies, Inc.

3139 Research Blvd., Suite 101

Dayton, Ohio 45420

4 Attachments

1. Draft Well Field Expansion SOW, dated 14 Oct 2009, consisting of 22 pages.
2. Technical Proposal Format, dated 16 Oct 2009, consisting of 9 pages.
3. Safety, Health, and Quality Worksheet, undated, consisting of 3 pages.
4. SCA DOL WD 2005-2532 consisting of 10 pages.



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Statement of Work

Moab Uranium Mill Tailings Remedial Action Project

Well Field Expansion Drilling

Prepared by

**S&K Aerospace, LLC
200 Grand Avenue,
Suite 500
Grand Junction, CO 81501**

14 October 2009



A Salish and Kootenai Tribally-Owned Enterprise - SBA 8(a) Certified

Table of Contents

Section	Page
1.0 Introduction.....	1
1.1 Site Location and Background.....	1
1.2 Site Conditions.....	1
1.2.1 Water Quality.....	6
1.2.2 Site Controls.....	6
2.0 Scope.....	7
2.1 Drilling and Well Installation.....	7
2.2 Well Decommission.....	8
3.0 Requirements and Specifications.....	8
3.1 Drilling Methods.....	9
3.2 Sediment Sampling Methods.....	9
3.3 Well Installation and Completion.....	9
3.4 Well Development.....	11
3.5 Well Head Protection.....	11
3.6 Source of Water.....	11
3.7 Equipment Cleaning.....	11
3.8 Drill Cuttings and Fluid Disposal.....	11
3.9 Trash Disposal.....	12
3.10 Equipment Maintenance.....	12
4.0 Contingencies and Site Procedures.....	12
4.1 Site Access.....	12
4.2 Site Conditions.....	12
4.3 Loss of Drilling Equipment and Hole Decommission.....	12
4.4 Daily Drilling Report.....	12
4.5 Utilities Clearance.....	13
4.6 Quality Assurance.....	13
4.7 Permits and Licenses.....	13
4.8 Historic and Cultural Resources.....	13
4.9 Material Storage Facility.....	14
4.10 Inventory.....	14
4.11 Site Sanitation Facilities.....	14
5.0 Health and Safety.....	14
5.1 Safety Requirements and Briefings.....	14
5.2 Training Requirements.....	16
5.3 Equipment Inspections.....	16
6.0 Subcontractor Qualifications, Performance, and Requirements.....	16
6.1 Subcontractor Qualification.....	16
6.2 Period of Performance.....	17
6.3 Work Day and Rotation Schedule.....	17
6.4 Weather Day.....	17
6.5 Standby Time.....	17
6.6 Submittals.....	17



A Salish and Kootenai Tribally-Owned Enterprise - SBA 8(a) Certified

Figures

Figure 1.	Location of the Moab Site.....	2
Figure 2.	Locations of Proposed Configuration 2 Replacement Wells.....	3
Figure 3.	Locations of Proposed Extraction Wells.....	4
Figure 4.	Locations of Proposed Monitoring Wells.....	5
Figure 5.	Drilling Report Form	15
Figure 6.	Site Location and Hospital Route Map.....	18

Tables

Table 1.	Concentrations for Inorganic Constituents in Ground Water at the Moab Site.....	6
Table 2.	Summary of Wells, Borings, Estimated Depths and Completion Details	8
Table 3.	Construction Details for Well 0442	8
Table 4.	Submittal Schedule	17



A Salish and Kootenai Tribally-Owned Enterprise - SBA 8(a) Certified

1.0 Introduction

1.1 Site Location and Background

The Moab Uranium Mill Tailings Remedial Action (UMTRA) Project site (Moab site), located outside Moab, Utah, is a former uranium ore-processing facility approximately 3 miles northwest of the city of Moab in Grand County, Utah (Figure 1). The plant was constructed in 1956 by the Uranium Reduction Company, which operated the mill until 1962 when the assets were sold to the Atlas Minerals Corporation (Atlas). Operations continued under Atlas until 1984. When the processing operations ceased in 1984, the mill had accumulated an estimated 16 million tons of uranium mill tailings in an unlined impoundment in the floodplain of the Colorado River. The tailings pile covers approximately 130 acres, is about ½-mile in diameter, averages about 94 feet in height above the surface of the Colorado River terrace, and is located about 750 feet west of the Colorado River. Atlas placed an interim cover over the tailings pile as part of decommissioning activities ongoing between 1988 and 1995. In October 2001, the title of the property and responsibility for remediation of the tailing pile and contaminated ground water beneath the site were transferred to the U.S. Department of Energy (DOE). S&K Aerospace, LLC (SKA), the DOE Technical Assistance Contractor (TAC), will provide oversight of all work performed pursuant to this statement of work (SOW)

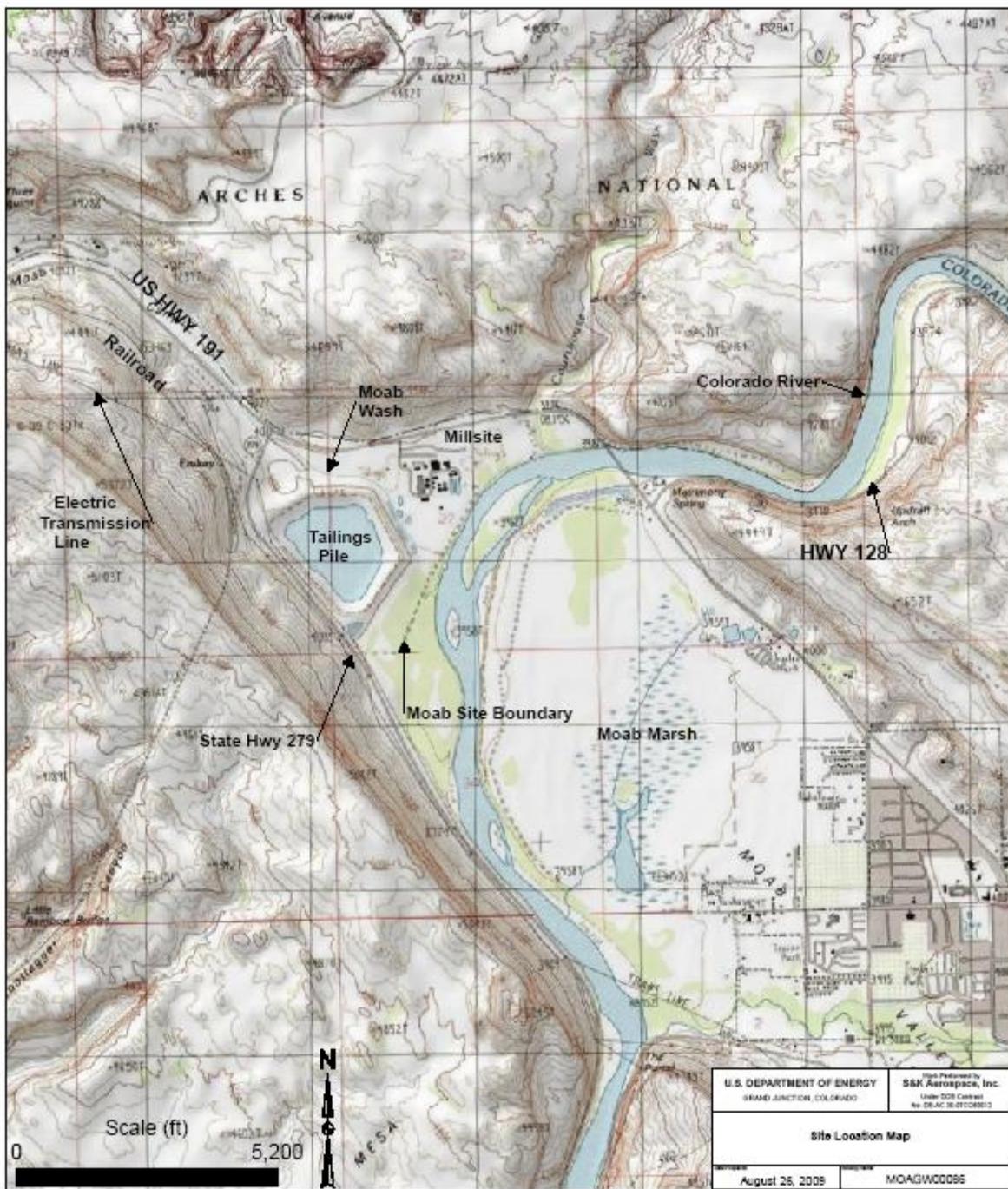
DOE implemented an interim remediation of ground water contamination in the alluvial aquifer at the Moab site in 2003. The interim action well field consists of an evaporation pond and a series of extraction, remediation, and monitoring wells. Contaminated ground water is pumped from the extraction well field and piped to the pond for treatment.

This Drilling Statement of Work outlines well installation activities and procedures to expand the well field and monitoring well network. The expanded well field locations are shown on Figures 2, 3, and 4.

1.2 Site Conditions

The Moab site is located 3 miles northwest of Moab adjacent to an outside meander of the Colorado River at the northwest end of Moab Valley (Figure 1). The ephemeral Moab Wash crosses the property just northeast of the tailings pile. The Moab site overlies Quaternary deposits derived mainly from the Colorado River, the Moab and Courthouse Washes, and from cliffs located west of the site. The deposits include alluvium, talus, and eolian sediments. The shallow alluvium consists of sandy sediments (lenticular deposits of fine-grained, well-graded sands and silts with some gravels and clays), ranging in thickness from 8 to 30 feet. The deeper alluvium consists of gravelly sediments (interbedded sandy gravel and gravelly sands with occasional clay and silt rich intervals), ranging in thickness from 28 to more than 406 feet. Various bedrock units believed to be of the Triassic Glen Canyon Group and older units, at different depths, underlie the unconsolidated sediments.

Ground water occurs under unconfined conditions in the alluvium beneath the site with depth to the water table ranging from 10 to 50 feet below ground surface. Ground water generally flows to the southeast toward the Colorado River. The alluvial system is recharged by infiltration of precipitation, the Moab Wash, and the Colorado River during periods of high flow.



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Figure 1. Location of the Moab UMTRA Project Site

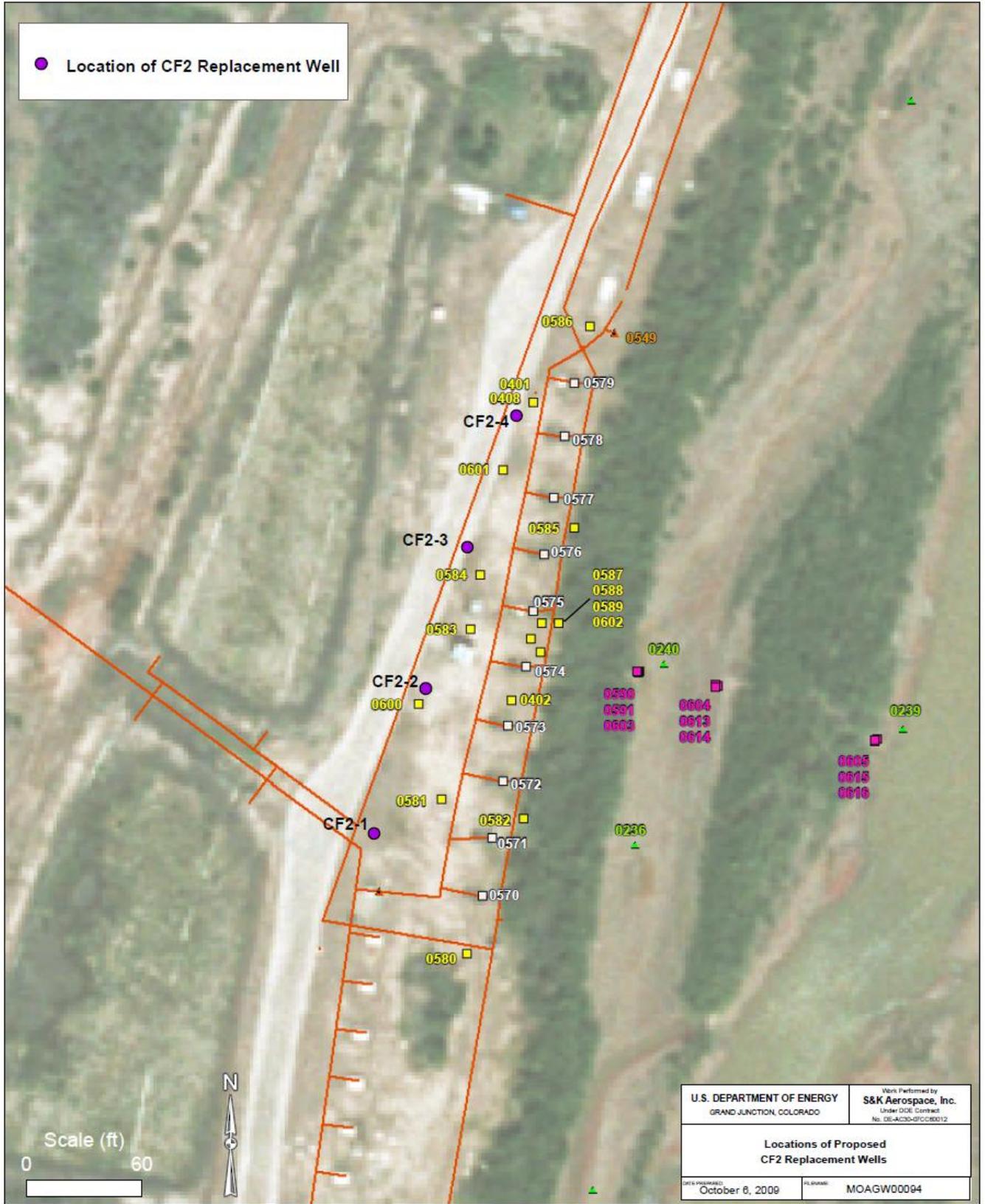


Figure 2. Locations of Proposed Configuration 2 Replacement Wells



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- 0470 Location
- EX 1 Proposed Location
- Moab UMTRA Site Boundary

U.S. DEPARTMENT OF ENERGY GRAND JUNCTION, COLORADO		Work Performed by S&K Aerospace, Inc. Under DOE Contract No. DE-AC 30-07CC60012	
Locations of Proposed Extraction Wells			
Date Prepared: October 6, 2009		Drawing Name: MOAGW00093	

Figure 3. Locations of Proposed Extraction Wells

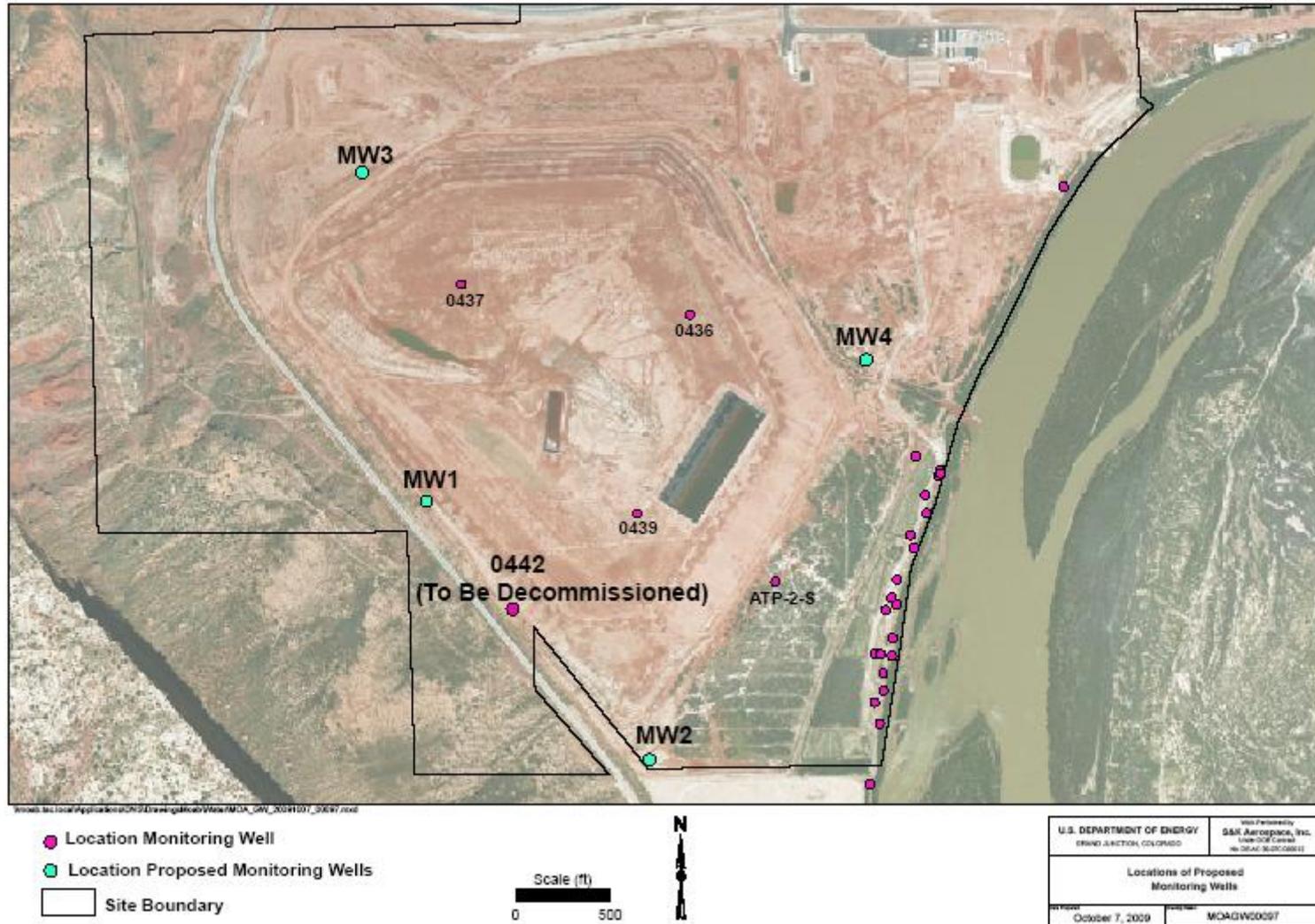


Figure 4. Locations of Proposed Monitoring Wells

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The alluvial system discharges to the Colorado River during low-flow conditions. The alluvial aquifer is chemically stratified by fresh and brine ground water regimes, which is a result of two distinct sources of water with a large disparity in dissolved solids. The freshwater regime is of primary interest because it occupies the upper portion of the alluvial sediments and is the primary system in which the site-derived constituents are transported. The lower brine ground water originates from the dissolution of evaporitic deposits in the Pennsylvanian Paradox Formation that are believed to subcrop at the site.

1.2.1 Water Quality

Ground water in the shallow alluvium has been contaminated by uranium milling operations over the years. Constituents of concern, based on analytical information from several reports, consist of molybdenum, nitrate, selenium, uranium, ammonium, manganese, sulfate, and vanadium. Maximum concentrations based on existing characterization data are summarized in Table 1.

Table 1. Concentrations for Inorganic Constituents in Ground Water at the Moab Site

Constituent	UMTRA MCL	Beneath Tailings Pile	Beneath Millsite Area
Arsenic	0.05	--	--
Barium	1.0	--	--
Cadmium	0.01	--	0.003
Chromium	0.05	--	--
Lead	0.05	--	--
Mercury	0.002	--	0.001
Molybdenum	0.10	10.8	1.73
Nitrate (N)	10	181	152
Selenium	0.01	--	0.024
Silver	0.05	--	--
Radium	5*	--	--
Uranium	0.044**	3.97	23.3
Gross alpha	15*	--	--
Ammonium		297	511
Chloride		2150	7460
Manganese		8.06	5.27
Nickel		--	0.03
Sodium		3020	6850
Sulfate		4910	15300
TDS		--	13700
Vanadium		0.015	0.40

Concentrations are shown in milligrams per liter (mg/L) unless otherwise noted.
 Constituent distribution is based on maximum sampling result based on maximum result from any monitor well from any date from any depth.
 MCL = maximum concentration limit
 *shown in picocuries per liter
 **UMTRA MCL for uranium is 0.044 mg/L if in equilibrium.

1.2.2 Site Controls

Work performed within the fenced boundary at the site is controlled (hereinafter referred to as the “Control Area”) in accordance with the hazardous waste operations requirements of Title 29 *Code of Federal Regulations* Part 1910.120 (29 CFR 1910.120), “Hazardous Waste Operations and Emergency Response” and the Moab UMTRA Project Health and Safety Plan. Specific training and safety requirements for work within the Control Area are outlined in Section 5.2.

2.0 Scope

This section outlines the required drilling subcontract tasks.

- Drilling and installation of four multipurpose remediation wells (to be used for ground water extraction or freshwater injection) for replacement of Configuration 2 wells outside the Control Area.
- Drilling and installation of seven ground water extraction wells located near the center of the ammonia ground water plume (between the well field and the northwestern edge of the plume) outside the Control Area.
- Drilling and installation of four ground water monitoring wells across the site, to be located within and outside the site boundary.
- Decommission of one ground water monitoring well.

Approximate locations for all proposed wells are shown on Figures 2, 3, and 4.

2.1 Drilling and Well Installation

Drilling and installation work for the wells are listed below (Table 2).

- Configuration 2 Replacement Remediation Wells – The Subcontractor shall drill and install 6-inch inside diameter schedule 40 polyvinyl chloride (PVC) ground water remediation wells in the alluvial aquifer at four locations on approximately 80-foot spacing. The wells shall be 45 feet in depth and completed with 35-foot 0.020 slot wire PVC wrap screens, from 10 to 45 feet. The actual depths will be verified in the field by examination of drill cutting by the TAC team geologist. The drilling Subcontractor shall develop all wells by surging and bailing. These wells are located in the Configuration 2 area outside the Control Area, just east of the well field road (Figure 2).
- Extraction Wells – The Subcontractor shall drill and install 8-inch inside diameter schedule 40 PVC ground water remediation wells in the alluvial aquifer at seven locations. The three wells to be installed closest to the tailings pile shall be 50 feet in depth and completed with 30-foot 316 stainless steel 0.020 slot wire wrap screens from 20 to 50 feet below ground surface. The four wells to be installed closest to the river shall be 45 feet in depth and completed with 30-foot 316 stainless steel 0.020 slot wire wrap screens from 15 to 45 feet below ground surface. The actual depth will be verified in the field by examination of drill cutting by the TAC geologist. The drilling Subcontractor shall develop all wells by surging and bailing. All of these wells will be installed outside the Control Area (Figure 3).
- Monitoring Wells – The Subcontractor shall drill and install 2-inch inside diameter schedule 40 PVC monitor wells completed in the alluvial aquifer at four locations. The wells shall be installed at various depths (10 to 15 ft below the first encountered water) completed with 10-foot 0.020 slot machine slotted PVC screen. The drilling Subcontractor shall develop all wells by surging and bailing. These wells are located both inside and outside the Control Area (Figure 4).
- Drill Cuttings – The Subcontractor shall collect samples of the drill cuttings at a minimum of 5-foot intervals during the drilling of the remediation and monitoring wells. More frequent samples may be required as the boring approaches the total anticipated depth. The Subcontractor shall deliver the drill cutting samples to the TAC geologist for lithologic logging.

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Table 2. Summary of Wells, Borings, Estimated Depths and Completion Details

Number	Well or Boring ID	Estimated Depth of Boring (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Screen Length (feet)	Well Diameter (inches)	Type
1	CF2-1	45	10	35	6	Remediation Well
2	CF2-2	45	10	35	6	Remediation Well
3	CF2-3	45	10	35	6	Remediation Well
4	CF2-4	45	10	35	6	Remediation Well
5	EX1	45	15	30	8	Extraction Well
6	EX2	45	15	30	8	Extraction Well
7	EX3	50	20	30	8	Extraction Well
8	EX4	50	20	30	8	Extraction Well
9	EX5	45	15	30	8	Extraction Well
10	EX6	50	20	30	8	Extraction Well
11	EX7	45	15	30	8	Extraction Well
12	MW1	50	40	10	2	Monitoring Well
13	MW2	50	40	10	2	Monitoring Well
14	MW3	100	90	10	2	Monitoring Well
15	MW4	100	90	10	2	Monitoring Well
Total footage (feet)		810				

ft bgs = feet below ground surface; ID = identification

2.2 Well Decommission

Drilling and installation details for the well to be decommissioned are listed below (Table 3).

In July 2006 a flash flood destroyed the surface casing and the top of monitoring well 0422. This well requires decommission following the protocol of the State of Utah Department of Natural Resources, Division of Water Rights. The location of this well is also shown on Figure 4.

Table 3. Construction Details for Well 0442

Number	Estimated Depth of Boring (ft bgs)	Estimated Depth to Top of Screen (ft bgs)	Screen Length (feet)	Well Diameter (inches)
1	67	61	5	2

ft bgs = feet below ground surface

3.0 Requirements and Specifications

Specifications and requirements for the drilling and sampling tasks are presented in this section. The TAC task leader will establish all well locations, the number of boreholes and wells, samples, well completion materials, and dimensions and depths of wells. These factors are subject to change as additional information is obtained during the work.

All drilling and well completion activities shall follow the procedures contained in American Society for Testing and Materials D5092-90 (reapproved 1995). The Subcontractor shall drill boreholes and install wells that are sufficiently plumb and straight and that will have no interference with the installation, alignment, operation, or future removal of pumps or other



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downhole equipment. The Subcontractor shall use only nonhydrocarbon-based lubricants, such as silicon or Teflon[®] on any downhole equipment or tools. The Subcontractor shall not use contaminating additives (e.g., diesel fuel, oil, barite), hydrocarbon-based lubricants (e.g., grease, oil), or biocides (e.g., formaldehyde) in the borehole or well. All well installation materials (e.g., sacks of bentonite, screens, casings) shall be delivered to each well site in factory-sealed containers and shall remain in such containers until used in the well installation.

3.1 Drilling Methods

The Subcontractor shall utilize a cost effective and expedient method for drilling and installing the remediation and monitoring wells. The drilling method and equipment shall be capable and rated to penetrate and advance through clay, loose sand, and gravel with cobbles to a depth of at least 100 feet. Lithologic samples shall be collected at a minimum of 5-foot depth intervals during the drilling, as directed by the TAC task leader. Casing advance systems such as ODEX and casing hammer methods that will not smear or cake the inside of the borehole or reduce the well yield are acceptable. Mud rotary, rotary vibratory (sonic type), and hollow stem auger methods will not be allowed.

3.2 Sediment Sampling Methods

The Subcontractor shall collect drill cuttings of the sediments from the well locations at a minimum of 5-foot depth intervals as directed by the TAC task leader for lithologic logging purposes. In addition to the drill cutting, discrete sediment samples may be requested at selected intervals if the drill cuttings do not provide adequate resolution of lithologic changes. The discrete samples will be used to determine the desired total depth of the boring and the screened interval for each well. The Subcontractor shall propose a discrete sampling method (i.e., drive sample) that will provide a representative sample.

3.3 Well Installation and Completion

The Subcontractor shall begin the installation of the well materials when the desired total depth of the borehole is reached, as verified by the TAC task leader. The Subcontractor shall measure the depth of materials to the nearest tenth of a foot and report the measurements to the TAC task leader. The borehole diameter shall allow a minimum of 3-inch annular space between the borehole and the well casing.

The four remediation wells shall be constructed using the following materials:

- Johnson well screen or equivalent (nominal 6-inch diameter)
- PVC schedule 40 wire-wrap
- 0.020-inch screen slot
- 10-20 Colorado silica sand or equivalent (for the primary sand pack to extend 3 feet above the top of the screen)
- 16-40 Colorado silica sand or equivalent (for the secondary upper pack)
- PVC schedule 40 blank casing
- 30 percent bentonite grout seal
- PVC cap

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The seven extraction wells shall be constructed using the following materials:

- Johnson well screen or equivalent (nominal 8-inch diameter)
- 316 stainless steel wire-wrap
- 0.020-inch screen slot
- 10-20 Colorado silica sand or equivalent (for the primary sand pack to extend 3 feet above the top of the screen)
- 16-40 Colorado silica sand or equivalent (for the secondary upper pack)
- PVC schedule 40 blank casing
- 30 percent bentonite grout seal
- PVC cap

The monitoring wells shall be constructed using the following materials:

- Johnson well screen or equivalent (nominal 2-inch diameter)
- PVC schedule 40
- 0.020-inch machine slotted screen
- 10-20 Colorado silica sand or equivalent (for the primary filter pack)
- 16-40 Colorado silica sand or equivalent (for the secondary upper pack)
- PVC schedule 40 blank casing
- 30 percent bentonite grout seal
- lockable J-plug
- PVC cap

The remediation and monitoring wells shall be constructed in accordance with the following guidelines:

- The Subcontractor shall begin installation of the well screen and casing when the desired total depth of the borehole is reached, as verified by the TAC task leader.
- The Subcontractor shall continue well installation with the placement of the primary filter pack to 3 feet above the top of the screen or as verified by the TAC task leader. Precompletion well development shall be performed (if necessary as verified by the TAC task leader) to ensure a uniform and complete filling of the annular space with the filter pack that is free of voids or bridges.
- The Subcontractor shall continue well installation with the placement of a minimum 3-foot secondary filter pack.
- When the top of the secondary filter pack is at the correct height, as verified by the TAC task leader, the Subcontractor shall then begin placement of a 5-foot bentonite seal ($\frac{3}{8}$ -inch bentonite pellets). The Subcontractor shall then hydrate the bentonite pellets by adding 5 gallons of water, if necessary, and allowing at least a 15-minute period for hydration and expansion of the pellets.
- The Subcontractor shall install the 30 percent solids bentonite grout seal in the annular space from the top of the bentonite seal to the ground surface. The Subcontractor shall place the grout by pumping it through a tremie pipe in one continuous action, completely filling the annular space. The Subcontractor shall prepare the grout in accordance with the manufacturer's instructions.



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3.4 Well Development

The Subcontractor shall develop all wells by a combination of surging or bailing. The Subcontractor shall continue well development until the well is free of sediment, as verified by the TAC task leader. Once the well development of each of the seven extraction wells is complete, the well will be pumped at a rate no less than 50 gpm for a short duration to determine the drawdown inside the well. The subcontractor shall be responsible for providing this submersible pump.

3.5 Well Head Protection

Well head protection is not required for the four Configuration 2 remediation and the seven extraction wells. The finished height of the PVC casing shall be cut square and approximately 2 feet above ground level. The top of the casing shall be equipped with a schedule 40 PVC cap.

The Subcontractor shall provide the following well head protection for the monitoring wells:

- A steel casing extending 30 inches above the surface, fitted with a locking, weatherproof lid (approximately 2 inches of clearance), shall be placed over the riser casing of the well and cemented 3 feet in place, with a 1/8-inch drain hole drilled near the base. The TAC will supply the locks for the lids.
- The top 2 feet of the borehole shall be excavated and tapered away from the casing to allow the concrete to be placed below the frost line.
- A 3-foot wide, 3-foot long, and 6-inch thick concrete pad (centered around the casing) having a slight slope away from the well casing shall be installed around the new monitor well.
- The annular area between the cover and the riser casing shall be filled with 1/4-inch pea gravel up to 6 inches below the top of the riser. The finished height of the PVC casing shall be cut square and approximately 2 feet above ground level. The top of the casing shall be equipped with a schedule 40 PVC cap.

3.6 Source of Water

The Subcontractor shall obtain clean potable water from an approved source for drilling and other tasks associated with the work scope. The Subcontractor shall have the necessary equipment to obtain, transport, and store water for use at the drill sites.

Tanks, hoses, pumps, and any other equipment used to transport or store the water shall be clean and free from all contamination. Further, the Subcontractor shall protect the water from contamination during storage.

3.7 Equipment Cleaning

The Subcontractor shall remove debris and any contamination from equipment with a high-pressure steam washer at the beginning of the drilling project and before leaving the project site. Water from the approved water source shall be used for all cleaning operations. The TAC task leader will direct equipment cleaning and verify it is clean when it is visibly free of all soil, oil, grease, and previous fluids.



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3.8 Drill Cuttings and Fluid Disposal

The Subcontractor shall spread drill cuttings and fluids evenly on the ground surface around the borehole after each borehole or well is completed.

3.9 Trash Disposal

The Subcontractor shall collect and dispose of job-generated trash in a site-approved receptacle at least one time per day, at the end of each day, and shall maintain site housekeeping at all times.

3.10 Equipment Maintenance

The Subcontractor may perform equipment maintenance, fueling, and repairs on location with the prior approval of the TAC task leader. No re-fueling will be allowed within any drainage channels. If, during the maintenance operation(s), the Subcontractor spills any hydrocarbon-based fluid, antifreeze, or any other similar material, it shall immediately clean up and remove the spilled material at its own time and expense. If, at any time, fluid leaks from any piece of the Subcontractor's equipment, the Subcontractor shall diaper the ground surface with plastic sheeting until the leak is fixed.

4.0 Contingencies and Site Procedures

4.1 Site Access

The drilling and sampling sites are accessible by existing roads or open ground. The Subcontractor shall keep off-road driving to a minimum.

4.2 Site Conditions

The Subcontractor shall be knowledgeable of general and local conditions that may affect the cost or quality of the performance of the work, including the ability of the Subcontractor's equipment to perform the work. Refer to Article 40 of the Terms and Conditions for Subcontracts and Purchase Orders over \$25,000 (GJO-PROC-114, August 1997).

4.3 Loss of Drilling Equipment and Hole Decommission

(To be addressed)

4.4 Daily Drilling Report

The Subcontractor shall furnish to the TAC task leader a completed and signed daily (or shift) drilling log that details all activities, rig functions, depths, pipe tallies, casing, and other materials used, as well as any other pertinent project drilling or safety data (including tailgate safety meetings and rig inspections). This information shall be recorded on the Drilling Report furnished by the TAC (Figure 5). The Drilling Report shall also be examined and signed each



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day or shift by the TAC task leader. Any errors found on this report by the TAC task leader will be reported to the Subcontractor as soon as possible for reconciliation.

4.5 Utilities Clearance

The TAC will stake each proposed location 7 days prior to the start of work. The Subcontractor shall then notify the utility companies through the Blue Stakes one-call (800-662-4111) utility locate service no earlier than 7 days and no later than 48 hours prior to start of work (notice does not include weekends or holidays). The Subcontractor shall provide the utility locate service with the following street address for the project site:

Former Atlas Millsite
2021 North Highway 191
Moab, Utah 84532

TAC site safety personnel will coordinate and escort the utility locators to each site. The TAC will verify all utilities located, such as power lines or pipelines that might reasonably be expected to exist within the work area prior to commencement of work in accordance with 29 CFR 1926.651(b), "Specific Excavation Requirements." The Subcontractor shall repair any damage to known utilities during the performance of the work. The liability of other repairs shall be in accordance with (To be addressed).

4.6 Quality Assurance

A TAC representative will be present during the field activities. The Subcontractor shall perform all fieldwork in accordance with the requirements, specifications, and procedures set forth herein. Periodic surveillance visits by other contractor personnel may be performed to verify the Subcontractor's compliance with the requirements, specifications, and procedures set forth herein.

4.7 Permits and Licenses

The TAC will provide all necessary access permits, well permits, and any permits for cuttings/fluid disposal as required by federal, state, or other controlling agencies. The Subcontractor shall acquire any drilling and/or contractor license(s) and any other permits required by federal, state, or other controlling agencies. "Start cards" from the State of Utah will be required prior to the beginning of any drilling activities. All well applications will be in DOE's name, and after completion of the work all "Applicant Cards" must be filed. The Subcontractor shall furnish a copy of a valid Utah driller's license.

4.8 Historic and Cultural Resources

Persons knowingly disturbing historic or prehistoric archaeology sites or for collecting artifacts of any kind, including historic items, arrowheads, or pottery fragments will be subject to prosecution.



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It is unlikely that any historic or cultural resources will be encountered since most of the drilling activities will be within the 100-year floodplain on the Colorado River. However, if historic or cultural resources are unearthed during operations, activity in the vicinity of the cultural resource will cease, and the drilling Subcontractor shall notify the TAC task leader immediately. The TAC task leader will immediately notify the DOE Cultural Resource Specialist or the TAC Cultural Resources Coordinator for resolution.

4.9 Material Storage Facility

The Subcontractor shall provide and maintain covered storage for items that could be affected by inclement weather. The TAC will provide a lockable fenced area for drilling supplies. All material stored in this facility shall remain the property of the Subcontractor until such time that the material is used or consumed by the project requirements. The storage facility is subject to Occupational Safety and Health Administration (OSHA) requirements for such things as housekeeping and fire protection.

4.10 Inventory

Prior to commencing work, the Subcontractor and the TAC task leader shall conduct an inventory to ensure adequate materials and supplies to perform the work are on the site and are usable. The TAC and the Subcontractor field representatives shall jointly conduct an inventory to ensure all material and supplies listed on the Proposed Equipment list have been mobilized to the site and are usable. The TAC reserves the right to delay commencing work, at no cost to SKA, until all the materials and supplies listed on the Proposed Equipment list are on the site and usable.

4.11 Site Sanitation Facilities

Portable toilet facilities are available at the job site.

5.0 Health and Safety

5.1 Safety Requirements and Briefings

All work to be performed as per project requirements, as well as applicable OSHA and 10CFR851 “DOE Worker Safety and Health Program” requirements. Non-compliance with these aforementioned requirements may result in review of the contract up to and including termination thereof.

The TAC task leader, in collaboration with TAC site safety supervisor, will be responsible for operational health and safety coverage during the drilling activities. All Subcontractor personnel shall comply with the TAC operational health and safety regulations as outlined in the *Moab UMTRA Project Drilling Safety Procedure* (DOE-EM/GJ1628) and the *Moab UMTRA Drilling Operations IWP* (TAC-IWP-2009-013) established for this task. The Statement of Understanding contained in the *Drilling Safety Procedure* shall be signed by all Subcontractor personnel prior to working on this project. All Subcontractor personnel working on this project shall be required to attend a pre-work briefing as soon as practical after the Subcontractor has mobilized its equipment to the project site.



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The Subcontractor shall hold a safety tailgate meeting prior to the start of each day's work. All Subcontractor personnel and TAC personnel working on that day's shift shall attend. The topics of discussion and attendee signatures will be recorded on a form. A copy of each daily record will be submitted to the TAC task leader.

The TAC task leader 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 TAC task leader or designee approves the resumption of work. The Subcontractor will not be compensated for efforts required to correct any unsafe practice or condition created by its actions.

Drilling rig trucks and/or carriers shall conform to all applicable federal, state, and local safety requirements and regulations. Each truck or carrier shall be equipped with two U.S. Department of Transportation-approved, fully charged 2A:40BC dry chemical fire extinguishers, with current inspection tags.



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5.2 Training Requirements

For all activities that require access within the Control Area (borehole drilling and sediment sampling), all Subcontractor personnel are required to have a minimum of 40-hour Hazardous Waste Site training and Radiation Worker Level II (2 days). The TAC can provide the Radiological Work II training at no cost to the Subcontractor. Additionally, the Subcontractor crew will be working in personal protective equipment consisting of booties and gloves over Tyvek[®] coveralls.

No special hazardous waste or radiation worker training is required for activities outside the Control Area (remediation and monitoring well drilling and installation). All activities in this Statement of Work are performed outside the Control Area. Work performed within the fenced boundary at the site is controlled in accordance with the hazardous waste operations requirements of 29 CFR 1910.120.

5.3 Equipment Inspections

The TAC task leader will inspect the Subcontractor's drilling rig and all other Subcontractor-furnished equipment at the start of the project and at other times, as necessary, and will record the conditions on an appropriate form. The Subcontractor shall inspect its drilling equipment on a daily basis and record this on the Drilling Report each day. The Subcontractor shall maintain and operate all of its equipment in accordance with all applicable regulations.

6.0 Subcontractor Qualifications, Performance, and Requirements

6.1 Subcontractor Qualification

Due to the technical nature of the work, the Subcontractor shall be a first-tier Subcontractor to the TAC, shall have a minimum of 5 years of business experience in environmental and hazardous waste site water well drilling, and shall have the ability to provide the necessary and required drilling equipment. The Subcontractor's driller shall have a minimum of 4 years in casing advance drilling experience and remediation well installation. Upon request, the TAC shall provide additional information about previous site investigation work.

In the event of an award, the equipment proposed herein shall be the equipment used to perform the work.

6.2 Period of Performance

The anticipated award date is November 9, 2009. The successful Subcontractor shall be mobilized to the site on November 30 and ready to commence drilling on December 1, 2009. The Subcontractor shall submit a work schedule with their offer showing milestones and completion dates for approval by the TAC.



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6.3 Work Day and Rotation Schedule

The normal workday will consist of a minimum of 8 hours per day or through completion of a given well installation or boring. The workday shall be limited to the period of time starting no earlier than ½-hour before sunrise and ending no later than ½-hour after sunset. In all cases, the TAC reserves the right to limit the length of the workday based on safety concerns. The Subcontractor is responsible for obeying all federal and state labor laws, rules, and regulations. Holidays excepted, the normal work schedule will consist of a 10 days on, 4 days off rotation and will begin on a Tuesday and end on the Thursday of the following week, or as mutually agreed.

6.4 Weather Day

The Subcontractor shall not be compensated for any delays caused by weather. A weather day applies to any normal workday when weather conditions deteriorate to the point that fieldwork is neither safe nor practical. The TAC task leader, in consultation with the Subcontractor, will decide whether to continue work.

6.5 Standby Time

Standby time is lost work time caused by the TAC or site activities. The Subcontractor shall be paid in accordance with the stipulated standby time rate. Standby time will only be paid when authorized in advance by the TAC task leader. Standby time will not be paid for Subcontractor equipment breakdown, missing Subcontractor equipment, insufficient supplies, or missing or tardy Subcontractor personnel.

6.6 Submittals

The submittals are listed below in Table 4.

Table 4. Submittal Schedule

Submittal	Schedule
MSDS sheets for all materials to be brought on-site and in the chemical inventory. Include type and brand of downhole tool lubricants to be used.	At date of mobilization or delivery to the site
Original reports, logs, and other state of Utah-required documents.	With final invoice
Technical proposal information	With proposal
OSHA 300 and 300A forms and the experience modification rate for the current and previous two years.	With proposal
Copy of a valid Utah driller's license.	With proposal

MSDS = material safety data sheets

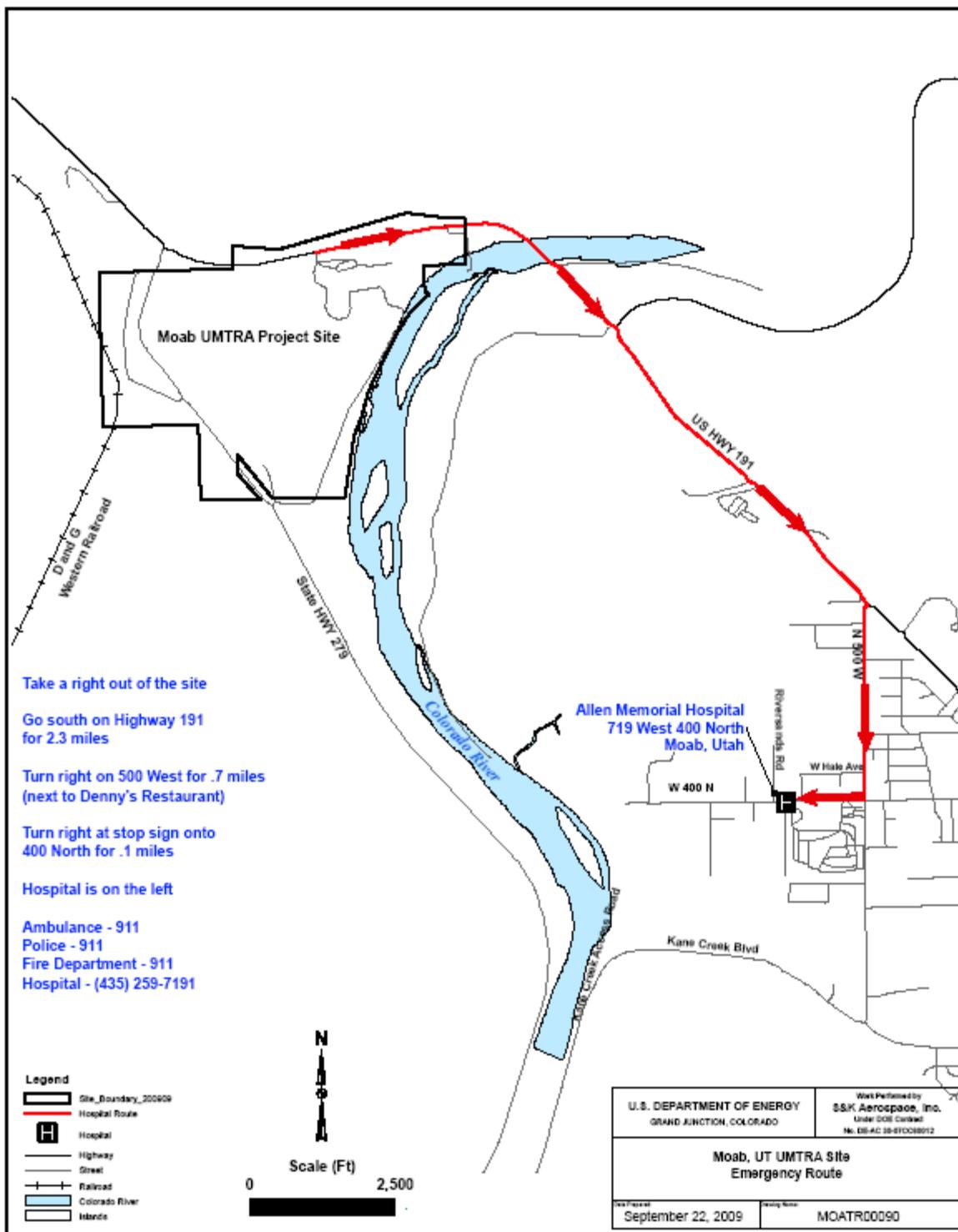


Figure 6. Site Location and Hospital Route Map



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Technical Proposal Information

Moab UMTRA Site, Utah - Well Drilling Project

1.0 Schedule

If our company receives the award for this well installation project, we shall mobilize the personnel and equipment proposed herein to the site on _____, 2009 and we shall start work at the site on _____, 2009. We shall complete the work in calendar days (or _____ 10 on/4 off rotations) on _____, 2009, subject to weather, standby time, or increased scope.

2.0 Technical Approach by Task

2.1 Configuration 2 Remediation Well Drilling and Installation

Describe your proposed drilling and installation method for the 6-inch dual-purpose remediation wells. Include your method and procedure to ensure the sand pack is uniformly placed around the well screen with no void spaces:

2.2 Extraction Well Drilling and Installation

Describe your proposed drilling and installation method for the 8-inch extraction wells. Include your method and procedure to ensure the sand pack is uniformly placed around the well screen with no void spaces:



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2.3 Monitoring Well Drilling and Installation

Describe your proposed drilling and installation method for the 2-inch monitoring wells. Include your method and procedure to ensure the sand pack is uniformly placed around the well screen with no void spaces:

2.4 Well Decommissioning

Describe your proposed method for the well decommissioning. Include your method and procedure to ensure the backfill material will leave no void spaces:

2.5 Well Development

Describe your proposed method to develop the four remediation wells and the seven extraction wells for maximum yield:



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3.0 Proposed Equipment

The offeror shall list **all** of the proposed equipment and supplies that it shall furnish, **as it deems necessary and required by its particular drilling method(s)**, to complete the work. The offeror may provide additional attachments if necessary.

3.1 Drilling Rig

Drilling method capabilities:
Drilling rig model:
Year manufactured:
Mounting:
Depth rating per bit size:
Other rig accessories and ancillary equipment:

3.2 Downhole Equipment and Tools

3.2.1 Configuration 2 Remediation Wells

Bit size/borehole diameter for 6-inch dual-purpose remediation wells (in):
Amount of drill pipe on site (ft):
Number of drill bits on site (ea):

3.2.2 Extraction Wells

Bit size/borehole diameter for 8-inch extraction wells (in):
Amount of drill pipe on site (ft):
Number of drill bits on site (ea):

3.2.3 Monitoring Wells

--



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Bit size/borehole diameter for 2-inch monitoring wells (in):
Amount of drill pipe on site (ft):
Number of drill bits on site (ea):

2.3.4 Sediment Sampling

Device(s) for unsaturated and saturated sediment sampling (diameter, length, number and type of sleeves, etc.):
Number of samplers on site (ea):

3.3 Well Installation and Development Equipment

Grout pump(s) - quantity, manufacturer, model, capacity, pressure rating:
Tremie pipe(s) - quantity, manufacturer, model, length, diameter, discharge:
Submersible pump(s) - quantity, model, type, rating, diameter:
Bailer(s) – quantity, model, type, length, diameter:
Surge block(s) - quantity, type, diameter:

3.4 Materials and Supplies

3.4.1 Configuration 2 Remediation Wells

Well casing – quantity, manufacturer, type, and size:
Upper well screen for remediation wells – quantity, manufacturer, type, and size:
Primary filter pack - quantity, size, and manufacturer:



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Secondary filter pack - quantity, size, and manufacturer:
Bentonite seal – quantity, size, and manufacturer:
Bentonite grout – quantity, percent solids, and manufacturer:

3.4.2 Extraction Wells

Well casing – quantity, manufacturer, type, and size:
Upper well screen for remediation wells – quantity, manufacturer, type, and size:
Primary filter pack - quantity, size, and manufacturer:
Secondary filter pack - quantity, size, and manufacturer:
Bentonite seal – quantity, size, and manufacturer:
Bentonite grout – quantity, percent solids, and manufacturer:

3.4.3 Monitoring Wells

Well casing – quantity, manufacturer, type, and size:
Upper well screen for remediation wells – quantity, manufacturer, type, and size:
Primary filter pack - quantity, size, and manufacturer:
Secondary filter pack - quantity, size, and manufacturer:
Bentonite seal – quantity, size, and manufacturer:



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Bentonite seal – quantity, size, and manufacturer:
Surface Completion – quantity, type, and size:

3.5 Decontamination Equipment

Decontamination equipment:

3.6 Accessories and Ancillary Equipment Not Listed Above

Accessories and ancillary equipment:
Welding and cutting equipment:
Personnel and material transport vehicles:

In the event of award, our company shall use the equipment described above to perform and complete the work

4.0 Prior Company and Personnel Drilling Experience

4.1 Company Drilling Experience

Check (✓)

Our company's work experience in environmental water well installation and casing advanced drilling is:

- More than 10 years

()



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- 5 - 10 years ()
- Less than 5 years ()

4.2 Personnel Drilling Experience

Our proposed driller's work experience in environmental water well installation and casing advanced drilling is:

- More than 5 years ()
- 3 - 5 years ()
- Less than 3 years ()

Our company shall use _____ as the driller(s) for this project.

Our proposed crew member's work experience in environmental water well installation and casing advanced drilling is:

- More than 5 years ()
- 3 - 5 years ()
- Less than 3 years ()

Our company shall use the following crew member(s) for this project:

In the event of award, our company shall use the driller and crew named above to perform and complete the work



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5.0 Past Performance

Provide the following information on 4 companies that your company has completed environmental well drilling and pumping well field installations. If your company has previously worked for Stoller, use it as a reference.

Company:

Address:

Contact:

Telephone:

Company:

Address:

Contact:

Telephone:

Company:

Address:

Contact:

Telephone:

Company:

Address:

Contact:

Telephone:



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6.0 Miscellaneous Information

The information provided by the offeror in this section is not part of the evaluation criteria.

6.1 Work History of Proposed Equipment

Describe the last hazardous waste project where the proposed equipment was used (include constituents):

Describe the decontamination method used for the proposed equipment at the conclusion of the above named project:

COMPANY:

ADDRESS:

CITY, STATE ZIP:

CONTACT:

PHONE/FAX/E-MAIL:

NAME AND TITLE:

SIGNATURE: _____ **DATE:** _____

My signature above certifies that the information contained in this technical proposal is true and accurate to the best of my knowledge and belief. **Further, in the event of award, our company shall use all equipment described and personnel named herein to perform and complete the work.**

It is the policy of S&K Aerospace that all work performed on or at the Moab UMTRA Project be conducted in a manner that protects workers, the public, and the environment. The objective of this policy is to establish a consistent site-wide approach to worker protection by incorporating safety and health into daily activities. To support the effective implementation of this policy, only those firms which have a demonstrated safety performance equal to the following standards shall be eligible for award:

Statistical Standards		
Experience Modification Rate*	The "EMR" is a number that is assigned to your company based on the insurance premium you pay and your loss statistics. Contact your insurance company for these numbers. Your EMR: <input type="text"/>	Maximum Allowable Average: 1.00
Total Recordable Injury/Illness Case Rate (from Company OSHA 300 log)	$\frac{(N/EH) \times 200,000}{\text{Total Employee Hours Worked}} = \text{Rate}$ Your RIR: <input type="text"/> (N = Total Cases; EH = Total Employee Work Hours for the calendar year)	Maximum Allowable Average: 3.2
DART Case Rate (Days Away From Work, Job Transfer, or Restriction) (from Company OSHA 300 log)	$\frac{(N/EH) \times 200,000}{\text{Total Employee Hours Worked}} = \text{Rate}$ Your DART Rate: <input type="text"/> (N = Total Cases; EH = Total Employee Work Hours for the calendar year)	Maximum Allowable Average: 1.4

*If an EMR exceeds 1.0, the OFFEROR and/or the lower-tier subcontractors shall supply an explanation that clearly explains the excessive rate and that the anomaly causing that excess was not easily preventable using sound safety practice.

Offerors and all lower tier subcontractors who will perform work on site must submit a properly executed SH&Q Worksheet with the proposal along with a letter from their Workman's Compensation Insurance Carrier to certify the EMR performance.

Any proposal received from firms which do not meet the stated minimum requirements, which do not provide the SH&Q Worksheet, or which have less than three years of demonstrated safety performance may be considered unacceptable.

Y

SAFETY, HEALTH & QUALITY WORKSHEET

Contractor Name:

Worksheet completed by:

Date:

Proposed Subcontract Number:

1. Experience Modification Rate (EMR)		
List your firm's Interstate EMR for the past three (3) years and total hours worked.		
Year: 2009	EMR:	Hours Worked:
Year: 2008	EMR:	Hours Worked:
Year: 2007	EMR:	Hours Worked:
3-year average: EMR 0.81		
If the state where the jobsite is located has an EMR rating system, provide the state EMR for the past three (3) years and the total hours worked.		
Year:	EMR:	Hours Worked:
Year:	EMR:	Hours Worked:
Year:	EMR:	Hours Worked:
3-year average:		
2. OSHA Total Recordable Case Rate (TRC)		
List the cumulative injury statistics rates for the past three (3) years using the BLS formula to determine recordability.		
Year: 2009	TRC:	Hours Worked:
Year: 2008	TRC:	Hours Worked:
Year: 2007	TRC:	Hours Worked:
3-year average:		
Attach copies of the OSHA Annual Summary Logs (OSHA's Form 300A) for the three most recent years and a current year OSHA 300 Log for the months during the period since the last annual report.		
Any OSHA fine(s) over the past three (3) years? <input style="width: 50px;" type="text"/> If yes, provide a written explanation on an attachment to this form.		
3. Fatalities		
Any fatalities within the last three (3) years? <input style="width: 50px;" type="text"/> If Yes, list total number of fatalities: ____, and provide a written explanation for each fatality on an attachment to this form.		
4. Bureau of Alcohol, Tobacco, and Firearms violations		
Any Bureau of Alcohol, Tobacco, and Firearms violations within the last three (3) years? <input style="width: 50px;" type="text"/> If Yes, list the number: ____, and type of violations: _____.		

5. For companies exempt from record keeping requirements per 29 CFR 1904.1 (ten or fewer employees), complete items 1 and 3 above and summarize the cause of the injuries/illnesses for the past three (3) years, including the current year, on a separate attachment to this form. Additionally, include corrective actions taken to prevent re-occurrence.

6. Check your type of work for the most recent 3 year period:
 Non-Residential Building, include dates:
 Heavy (Non-Highway) Construction, include dates:
 Mechanical, include dates:
 Electrical, include dates:
 Other (type and date):

7. List key Safety and Health personnel planned for this project. Please list name, expected position and safety performance on last three projects (OSHA Recordable and Lost Workday Cause Incident (LWCI) rates). Provide a resume if required by the Request For Proposal.

NAME	POSITION	PROJECT	OSHA	LWCI

8. Do you have a written safety program? If Yes, provide the Table of Contents from your safety program along with this completed form.

9. **Environmental Record**

Has your firm been subject to any environmental enforcement proceedings before a federal or state agency within the last five (5) years? If Yes, for each proceeding: provide the name of the agency, the nature of the proceeding, the charge(s), and the result on an attachment to this form.

Has your firm violated or exceeded any federal or state environmental standard, requirement, regulation or statute within the last three (3) years? If Yes, for each violation give a brief description of the nature of the violation on an attachment to this form.

NOTE: This form is for evaluation purposes only and will not be a part of a Subcontract.

Print Form

Wage Determination 2005-2532.txt

WD 05-2532 (Rev.-9) was first posted on www.wdol.gov on 06/16/2009

REGISTER OF WAGE DETERMINATIONS UNDER
THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON D.C. 20210

Shirley F. Ebbesen Division of
Director Wage Determinations

Wage Determination No.: 2005-2532
Revision No.: 9
Date Of Revision: 06/10/2009

State: Utah
Area: Utah Statewide

****Fringe Benefits Required Follow the Occupational Listing****

OCCUPATION CODE - TITLE	FOOTNOTE	RATE
01000 - Administrative Support And Clerical Occupations		
01011 - Accounting Clerk I		12.33
01012 - Accounting Clerk II		13.85
01013 - Accounting Clerk III		15.48
01020 - Administrative Assistant		18.43
01040 - Court Reporter		17.73
01051 - Data Entry Operator I		11.71
01052 - Data Entry Operator II		12.78
01060 - Dispatcher, Motor Vehicle		16.80
01070 - Document Preparation Clerk		13.92
01090 - Duplicating Machine Operator		13.92
01111 - General Clerk I		11.18
01112 - General Clerk II		12.20
01113 - General Clerk III		13.68
01120 - Housing Referral Assistant		15.97
01141 - Messenger Courier		10.89
01191 - Order Clerk I		11.97
01192 - Order Clerk II		13.64
01261 - Personnel Assistant (Employment) I		14.18
01262 - Personnel Assistant (Employment) II		15.86
01263 - Personnel Assistant (Employment) III		17.68
01270 - Production Control Clerk		16.35
01280 - Receptionist		10.25
01290 - Rental Clerk		10.96
01300 - Scheduler, Maintenance		12.81
01311 - Secretary I		12.81
01312 - Secretary II		14.32
01313 - Secretary III		15.97
01320 - Service Order Dispatcher		14.95
01410 - Supply Technician		18.43
01420 - Survey Worker		12.10
01531 - Travel Clerk I		12.14
01532 - Travel Clerk II		12.88
01533 - Travel Clerk III		13.50
01611 - Word Processor I		13.94
01612 - Word Processor II		15.88
01613 - Word Processor III		17.61
05000 - Automotive Service Occupations		
05005 - Automobile Body Repairer, Fiberglass		19.06
05010 - Automotive Electrician		17.99
05040 - Automotive Glass Installer		17.07
05070 - Automotive Worker		17.04
05110 - Mobile Equipment Servicer		15.16
05130 - Motor Equipment Metal Mechanic		18.72
05160 - Motor Equipment Metal Worker		17.04

Wage Determination 2005-2532.txt

05190	- Motor Vehicle Mechanic	17.72
05220	- Motor Vehicle Mechanic Helper	14.03
05250	- Motor Vehicle Upholstery Worker	16.10
05280	- Motor Vehicle Wrecker	17.04
05310	- Painter, Automotive	17.99
05340	- Radiator Repair Specialist	17.04
05370	- Tire Repairer	12.41
05400	- Transmission Repair Specialist	18.36
07000	- Food Preparation And Service Occupations	
07010	- Baker	11.41
07041	- Cook I	10.37
07042	- Cook II	11.74
07070	- Dishwasher	7.70
07130	- Food Service Worker	8.19
07210	- Meat Cutter	13.77
07260	- Waiter/Waitress	9.00
09000	- Furniture Maintenance And Repair Occupations	
09010	- Electrostatic Spray Painter	17.05
09040	- Furniture Handler	12.27
09080	- Furniture Refinisher	17.05
09090	- Furniture Refinisher Helper	12.86
09110	- Furniture Repairer, Minor	14.76
09130	- Upholsterer	17.05
11000	- General Services And Support Occupations	
11030	- Cleaner, Vehicles	9.17
11060	- Elevator Operator	9.17
11090	- Gardener	13.32
11122	- Housekeeping Aide	9.82
11150	- Janitor	9.82
11210	- Laborer, Grounds Maintenance	10.29
11240	- Maid or Houseman	8.41
11260	- Pruner	10.07
11270	- Tractor Operator	11.98
11330	- Trail Maintenance Worker	10.29
11360	- Window Cleaner	10.13
12000	- Health Occupations	
12010	- Ambulance Driver	14.33
12011	- Breath Alcohol Technician	14.74
12012	- Certified Occupational Therapist Assistant	20.78
12015	- Certified Physical Therapist Assistant	18.90
12020	- Dental Assistant	13.03
12025	- Dental Hygienist	29.65
12030	- EKG Technician	21.58
12035	- Electroneurodiagnostic Technologist	21.58
12040	- Emergency Medical Technician	14.33
12071	- Licensed Practical Nurse I	13.82
12072	- Licensed Practical Nurse II	15.46
12073	- Licensed Practical Nurse III	17.25
12100	- Medical Assistant	11.96
12130	- Medical Laboratory Technician	13.99
12160	- Medical Record Clerk	12.64
12190	- Medical Record Technician	14.89
12195	- Medical Transcriptionist	13.50
12210	- Nuclear Medicine Technologist	31.97
12221	- Nursing Assistant I	10.00
12222	- Nursing Assistant II	11.24
12223	- Nursing Assistant III	12.26
12224	- Nursing Assistant IV	13.77
12235	- Optical Dispenser	13.79
12236	- Optical Technician	12.73
12250	- Pharmacy Technician	14.72
12280	- Phlebotomist	13.77
12305	- Radiologic Technologist	21.51

Wage Determination 2005-2532.txt

12311 - Registered Nurse I	22.07
12312 - Registered Nurse II	27.01
12313 - Registered Nurse II, Specialist	27.01
12314 - Registered Nurse III	33.61
12315 - Registered Nurse III, Anesthetist	33.61
12316 - Registered Nurse IV	39.16
12317 - Scheduler (Drug and Alcohol Testing)	18.69
13000 - Information And Arts Occupations	
13011 - Exhibits Specialist I	15.95
13012 - Exhibits Specialist II	19.77
13013 - Exhibits Specialist III	24.18
13041 - Illustrator I	17.33
13042 - Illustrator II	21.09
13043 - Illustrator III	25.73
13047 - Librarian	22.03
13050 - Library Aide/Clerk	10.13
13054 - Library Information Technology Systems Administrator	20.49
13058 - Library Technician	11.98
13061 - Media Specialist I	13.79
13062 - Media Specialist II	15.43
13063 - Media Specialist III	17.20
13071 - Photographer I	15.26
13072 - Photographer II	17.59
13073 - Photographer III	21.42
13074 - Photographer IV	26.13
13075 - Photographer V	31.70
13110 - Video Teleconference Technician	15.95
14000 - Information Technology Occupations	
14041 - Computer Operator I	14.59
14042 - Computer Operator II	16.90
14043 - Computer Operator III	19.95
14044 - Computer Operator IV	21.75
14045 - Computer Operator V	24.10
14071 - Computer Programmer I	(see 1) 23.80
14072 - Computer Programmer II	(see 1) 27.62
14073 - Computer Programmer III	(see 1)
14074 - Computer Programmer IV	(see 1)
14101 - Computer Systems Analyst I	(see 1)
14102 - Computer Systems Analyst II	(see 1)
14103 - Computer Systems Analyst III	(see 1)
14150 - Peripheral Equipment Operator	14.59
14160 - Personal Computer Support Technician	21.75
15000 - Instructional Occupations	
15010 - Aircrew Training Devices Instructor (Non-Rated)	30.81
15020 - Aircrew Training Devices Instructor (Rated)	35.31
15030 - Air Crew Training Devices Instructor (Pilot)	38.84
15050 - Computer Based Training Specialist / Instructor	30.81
15060 - Educational Technologist	22.83
15070 - Flight Instructor (Pilot)	38.84
15080 - Graphic Artist	19.47
15090 - Technical Instructor	18.64
15095 - Technical Instructor/Course Developer	22.82
15110 - Test Proctor	15.04
15120 - Tutor	15.04
16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations	
16010 - Assembler	8.88
16030 - Counter Attendant	8.88
16040 - Dry Cleaner	11.81
16070 - Finisher, Flatwork, Machine	8.88
16090 - Presser, Hand	8.88
16110 - Presser, Machine, Drycleaning	8.88
16130 - Presser, Machine, Shirts	8.88

Wage Determination 2005-2532.txt

16160 - Presser, Machine, Wearing Apparel, Laundry	8.88
16190 - Sewing Machine Operator	12.67
16220 - Tailor	13.43
16250 - Washer, Machine	9.91
19000 - Machine Tool Operation And Repair Occupations	
19010 - Machine-Tool Operator (Tool Room)	18.68
19040 - Tool And Die Maker	21.10
21000 - Materials Handling And Packing Occupations	
21020 - Forklift Operator	13.74
21030 - Material Coordinator	17.18
21040 - Material Expediter	17.18
21050 - Material Handling Laborer	11.67
21071 - Order Filler	10.87
21080 - Production Line Worker (Food Processing)	13.74
21110 - Shipping Packer	12.42
21130 - Shipping/Receiving Clerk	12.42
21140 - Store Worker I	10.46
21150 - Stock Clerk	14.55
21210 - Tools And Parts Attendant	13.74
21410 - Warehouse Specialist	13.74
23000 - Mechanics And Maintenance And Repair Occupations	
23010 - Aerospace Structural Welder	25.28
23021 - Aircraft Mechanic I	23.85
23022 - Aircraft Mechanic II	25.28
23023 - Aircraft Mechanic III	26.35
23040 - Aircraft Mechanic Helper	16.43
23050 - Aircraft, Painter	22.21
23060 - Aircraft Servicer	18.95
23080 - Aircraft Worker	20.21
23110 - Appliance Mechanic	18.46
23120 - Bicycle Repairer	12.41
23125 - Cable Splicer	23.63
23130 - Carpenter, Maintenance	17.15
23140 - Carpet Layer	16.82
23160 - Electrician, Maintenance	20.18
23181 - Electronics Technician Maintenance I	19.67
23182 - Electronics Technician Maintenance II	23.20
23183 - Electronics Technician Maintenance III	25.14
23260 - Fabric Worker	16.87
23290 - Fire Alarm System Mechanic	19.11
23310 - Fire Extinguisher Repairer	15.63
23311 - Fuel Distribution System Mechanic	23.58
23312 - Fuel Distribution System Operator	17.93
23370 - General Maintenance Worker	16.62
23380 - Ground Support Equipment Mechanic	23.85
23381 - Ground Support Equipment Servicer	18.95
23382 - Ground Support Equipment Worker	20.21
23391 - Gunsmith I	15.63
23392 - Gunsmith II	18.10
23393 - Gunsmith III	20.57
23410 - Heating, Ventilation And Air-Conditioning Mechanic	19.11
23411 - Heating, Ventilation And Air Contditioning Mechanic (Research Facility)	19.96
23430 - Heavy Equipment Mechanic	20.76
23440 - Heavy Equipment Operator	18.92
23460 - Instrument Mechanic	22.59
23465 - Laboratory/Shelter Mechanic	19.34
23470 - Laborer	10.75
23510 - Locksmith	16.75
23530 - Machinery Maintenance Mechanic	20.97
23550 - Machinist, Maintenance	18.35
23580 - Maintenance Trades Helper	13.08

Wage Determination 2005-2532.txt

23591 - Metrology Technician I	22.59
23592 - Metrology Technician II	23.95
23593 - Metrology Technician III	24.96
23640 - Millwright	21.02
23710 - Office Appliance Repairer	18.35
23760 - Painter, Maintenance	16.75
23790 - Pipefitter, Maintenance	21.59
23810 - Plumber, Maintenance	20.73
23820 - Pneudraulic Systems Mechanic	20.57
23850 - Rigger	20.57
23870 - Scale Mechanic	18.10
23890 - Sheet-Metal Worker, Maintenance	19.71
23910 - Small Engine Mechanic	15.87
23931 - Telecommunications Mechanic I	24.01
23932 - Telecommunications Mechanic II	24.96
23950 - Telephone Lineman	19.23
23960 - Welder, Combination, Maintenance	17.45
23965 - Well Driller	20.17
23970 - Woodcraft Worker	20.57
23980 - Woodworker	14.12
24000 - Personal Needs Occupations	
24570 - Child Care Attendant	9.97
24580 - Child Care Center Clerk	12.45
24610 - Chore Aide	9.86
24620 - Family Readiness And Support Services Coordinator	10.72
24630 - Homemaker	13.78
25000 - Plant And System Operations Occupations	
25010 - Boiler Tender	25.82
25040 - Sewage Plant Operator	19.53
25070 - Stationary Engineer	25.82
25190 - Ventilation Equipment Tender	16.66
25210 - Water Treatment Plant Operator	19.53
27000 - Protective Service Occupations	
27004 - Alarm Monitor	15.20
27007 - Baggage Inspector	12.43
27008 - Corrections Officer	19.80
27010 - Court Security Officer	19.30
27030 - Detection Dog Handler	18.83
27040 - Detention Officer	19.80
27070 - Firefighter	18.02
27101 - Guard I	12.43
27102 - Guard II	18.83
27131 - Police Officer I	21.39
27132 - Police Officer II	22.89
28000 - Recreation Occupations	
28041 - Carnival Equipment Operator	10.12
28042 - Carnival Equipment Repairer	10.83
28043 - Carnival Equipment Worker	7.97
28210 - Gate Attendant/Gate Tender	13.39
28310 - Lifeguard	11.17
28350 - Park Attendant (Aide)	14.98
28510 - Recreation Aide/Health Facility Attendant	10.94
28515 - Recreation Specialist	14.81
28630 - Sports Official	11.95
28690 - Swimming Pool Operator	15.88
29000 - Stevedoring/Longshoremen Occupational Services	
29010 - Blocker And Bracer	20.47
29020 - Hatch Tender	20.47
29030 - Line Handler	20.47
29041 - Stevedore I	19.07
29042 - Stevedore II	21.86
30000 - Technical Occupations	

Wage Determination 2005-2532.txt

30010	- Air Traffic Control Specialist, Center (HFO) (see 2)	35.15
30011	- Air Traffic Control Specialist, Station (HFO) (see 2)	24.24
30012	- Air Traffic Control Specialist, Terminal (HFO) (see 2)	26.69
30021	- Archeological Technician I	16.36
30022	- Archeological Technician II	18.37
30023	- Archeological Technician III	22.75
30030	- Cartographic Technician	22.75
30040	- Civil Engineering Technician	19.47
30061	- Drafter/CAD Operator I	16.36
30062	- Drafter/CAD Operator II	18.37
30063	- Drafter/CAD Operator III	20.48
30064	- Drafter/CAD Operator IV	24.71
30081	- Engineering Technician I	14.26
30082	- Engineering Technician II	16.01
30083	- Engineering Technician III	17.91
30084	- Engineering Technician IV	22.48
30085	- Engineering Technician V	27.15
30086	- Engineering Technician VI	32.84
30090	- Environmental Technician	20.38
30210	- Laboratory Technician	19.00
30240	- Mathematical Technician	22.75
30361	- Paralegal/Legal Assistant I	16.61
30362	- Paralegal/Legal Assistant II	20.58
30363	- Paralegal/Legal Assistant III	25.17
30364	- Paralegal/Legal Assistant IV	30.46
30390	- Photo-Optics Technician	22.75
30461	- Technical Writer I	20.95
30462	- Technical Writer II	25.64
30463	- Technical Writer III	31.00
30491	- Unexploded Ordnance (UXO) Technician I	22.34
30492	- Unexploded Ordnance (UXO) Technician II	27.03
30493	- Unexploded Ordnance (UXO) Technician III	32.40
30494	- Unexploded (UXO) Safety Escort	22.34
30495	- Unexploded (UXO) Sweep Personnel	22.34
30620	- Weather Observer, Combined Upper Air or Surface Programs	20.48
30621	- Weather Observer, Senior (see 2)	22.75
31000	- Transportation/Mobile Equipment Operation Occupations	
31020	- Bus Aide	10.47
31030	- Bus Driver	14.81
31043	- Driver Courier	11.38
31260	- Parking and Lot Attendant	8.68
31290	- Shuttle Bus Driver	12.36
31310	- Taxi Driver	10.50
31361	- Truckdriver, Light	12.36
31362	- Truckdriver, Medium	16.84
31363	- Truckdriver, Heavy	18.92
31364	- Truckdriver, Tractor-Trailer	18.92
99000	- Miscellaneous Occupations	
99030	- Cashier	8.46
99050	- Desk Clerk	9.17
99095	- Embalmer	25.48
99251	- Laboratory Animal Caretaker I	10.19
99252	- Laboratory Animal Caretaker II	10.67
99310	- Mortician	30.83
99410	- Pest Controller	14.02
99510	- Photofinishing Worker	11.60
99710	- Recycling Laborer	15.77
99711	- Recycling Specialist	18.36
99730	- Refuse Collector	14.14
99810	- Sales Clerk	11.38
99820	- School Crossing Guard	9.08
99830	- Survey Party Chief	17.66

Wage Determination 2005-2532.txt

99831 - Surveying Aide	12.58
99832 - Surveying Technician	16.05
99840 - Vending Machine Attendant	15.14
99841 - Vending Machine Repairer	18.30
99842 - Vending Machine Repairer Helper	15.14

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: Life, accident, and health insurance plans, sick leave, pension plans, civic and personal leave, severance pay, and savings and thrift plans. Minimum employer contributions costing an average of \$3.35 per hour computed on the basis of all hours worked by service employees employed on the contract.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 5 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of eleven paid holidays per year: New Year's Day, Martin Luther King Jr's Birthday, Washington's Birthday, Good Friday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE NUMBERED FOOTNOTES IN PARENTHESES RECEIVE THE FOLLOWING:

1) **COMPUTER EMPLOYEES:** Under the SCA at section 8(b), this wage determination does not apply to any employee who individually qualifies as a bona fide executive, administrative, or professional employee as defined in 29 C.F.R. Part 541. Because most Computer System Analysts and Computer Programmers who are compensated at a rate not less than \$27.63 (or on a salary or fee basis at a rate not less than \$455 per week) an hour would likely qualify as exempt computer professionals, (29 C.F.R. 541.400) wage rates may not be listed on this wage determination for all occupations within those job families. In addition, because this wage determination may not list a wage rate for some or all occupations within those job families if the survey data indicates that the prevailing wage rate for the occupation equals or exceeds \$27.63 per hour conformances may be necessary for certain nonexempt employees. For example, if an individual employee is nonexempt but nevertheless performs duties within the scope of one of the Computer Systems Analyst or Computer Programmer occupations for which this wage determination does not specify an SCA wage rate, then the wage rate for that employee must be conformed in accordance with the conformance procedures described in the conformance note included on this wage determination.

Additionally, because job titles vary widely and change quickly in the computer industry, job titles are not determinative of the application of the computer professional exemption. Therefore, the exemption applies only to computer employees who satisfy the compensation requirements and whose primary duty consists of:

(1) The application of systems analysis techniques and procedures, including consulting with users, to determine hardware, software or system functional specifications;

(2) The design, development, documentation, analysis, creation, testing or modification of computer systems or programs, including prototypes, based on and related to user or system design specifications;

Wage Determination 2005-2532.txt

(3) The design, documentation, testing, creation or modification of computer programs related to machine operating systems; or

(4) A combination of the aforementioned duties, the performance of which requires the same level of skills. (29 C.F.R. 541.400).

2) AIR TRAFFIC CONTROLLERS AND WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

HAZARDOUS PAY DIFFERENTIAL: An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordnance, explosives, and incendiary materials. This includes work such as screening, blending, dying, mixing, and pressing of sensitive ordnance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives.

Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving regrading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordnance, (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordnance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance, explosives, and incendiary material differential pay.

** UNIFORM ALLOWANCE **

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or \$.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

The duties of employees under job titles listed are those described in the

"Service Contract Act Directory of Occupations", Fifth Edition, April 2006, unless otherwise indicated. Copies of the Directory are available on the Internet. A link to the Directory may be found on the WHD home page at <http://www.dol.gov/esa/whd/> or through the Wage Determinations On-Line (WDOL) Web site at <http://wdol.gov/>.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE {Standard Form 1444 (SF 1444)}

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C)(vi)} when multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide

Wage Determination 2005-2532.txt
classifications listed in the wage determination.