

**STATEMENT OF WORK
FOR
CONSTRUCTION**

Requisition #:351974

**Title: BASIC ORDERING AGREEMENT
MISCELLANEOUS CONSTRUCTION SERVICES**

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PART I – STATEMENT OF WORK

1.0 INTRODUCTION / BACKGROUND

This Basic Ordering Agreement (herein referred to as “agreement”) is for the delivery/performance of the services specified in accordance with all the requirements and conditions set forth in the attachments herein or incorporated by reference.

2.0 DESCRIPTION OF WORK – GENERAL

Central Plateau Cleanup Company (CPCCo) requires a service provider, herein also referred to “Contractor” to supply all construction management, supervision, labor, equipment, materials, tools, consumable supplies, testing, and each and every item necessary to perform construction/service activities on the Hanford Site as described in the Statement of Work and the referenced construction specifications and drawings, hereinafter called Work.

3.0 DESCRIPTION OF WORK – SPECIFIC

3.1 Task Descriptions

The delivery/performance of work under this agreement will be authorized by CPCCo through fully executed Contract Releases. Each release will have a Statement of Work, specific to that release, that may contain requirements beyond those specified herein and will be priced in accordance with Part II, Section 2.2 Basic Ordering Agreement. Funding commitments under this agreement are created solely through issuance and award of Contract Releases for the services specified. The types of work contemplated for award under this agreement include, but are not limited to:

- Conduit Reroute
- Water Truck Needs
- Pump and Treat
- Stabilization System Installation
- Drilling Support
- Elevator Modifications
- Fire Line Relocation
- Electrical Work
- Teamster Support
- Site Clearing & Grading
- Repairs

There is no minimum or maximum amount of funding or work awarded or guaranteed by issuance of this Basic Ordering Agreement.

3.2 Organizational Interfaces

The Contractor shall interface with various CPCCo (and other) organizations through the CPCCo Contract Specialist (or designee), as required.

4.0 TECHNICAL REQUIREMENTS

All Work shall be performed in strict accordance with the following national codes, specifications, drawings, exhibits, and any other documents, which by this reference are made a part of the Statement of Work.

4.1 Codes and Standards

Code of Federal Regulations (CFR)

- Title 29 Labor
 - Part 1910 Occupational Safety and Health Standards
 - Part 1926 Safety and Health Regulations for Construction

Applicable technical codes, standards, and references are found within the body of the specifications and drawings under individual Releases.

4.2 Contractor Safety Program and Electrical Safety Requirements

Services under the management of the Contractor shall be performed in accordance with CPCC-*PRO-SH-40078 - Contractor Safety Processes, Appendix F – Safety Program Specifications for Contractors, Section 3.11*, which flows down the 10 CFR 851 and Hanford site requirements to the Contractor or an approved Contractor safety program.

For the purpose of worker safety, electrical equipment shall be per DOE 0350 *Hanford Site Electrical Safety Program (HSESP)*. Electrical equipment and industrial control panels delivered or brought on to the site in performance of the Contract Release shall be labeled by an organization currently recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL). All equipment installed as part of the Contract Release shall comply with the National Electric Code (NEC), NFPA 70 and, where applicable, ANSI C2 (NESC).

Note: for a list of approved NRTLs, see <http://www.osha.gov/dts/otpca/nrtl/>

- A. Electrical equipment for which there is no listing category must be evaluated or tested using a method submitted to and approved by CPCCo prior to delivery of the equipment. A Field Evaluation performed by an NRTL prior to delivery is the preferred method for CPCCo approval.
- B. Electrical equipment is also subject to the “Counterfeit Suspect Item Program”.

4.3 Hoisting and Rigging Requirements

Applicable hoisting and rigging shall be performed in strict accordance with DOE-RL-92-36, *Hanford Site Hoisting and Rigging Manual*, (Most current revision).

Note: *The following requirements are consistent with CPCC-PRO-SH-40078 - Contractor Safety Processes, Appendix F, which flows down the 10 CFR 851 and Hanford site requirements to the Contractor.*

Contractor onsite hoisting and rigging shall be performed in strict accordance with DOE-RL-92-36, *Hanford Site Hoisting and Rigging Manual*, (Most current revision).

- A. For cranes and forklifts the requirements of the Hanford Site Hoisting and Rigging Manual (DOE/RL-92-36) are followed exclusively.
- B. The Contractor shall submit a hoisting and rigging submittal, or reference by letter to CPCCo a previous submittal under a prior release, which addresses the following requirements:
 - 1. Structural calculations demonstrating the design factor of safety of all below-the-hook lifting devices (e.g., ASME B30.20 certification, or Professional Engineer certification of design load with a safety factor of three based on yield strength of the material).
 - 2. Proof of load test certification to 1.25 times the rate load.
 - 3. Written designation of a responsible equipment custodian.
 - 4. A written schedule of planned maintenance, lubrication, and inspection program for forklift trucks (maintained by equipment Contractor or Contractor as appropriate).
- C. In addition, the following shall be maintained and shall be available on the job site for review, but are not a part of the hoisting and rigging submittal:
 - 1. A current periodic inspection and current monthly wire rope inspection shall be made available upon request for all mobile cranes (in accordance with ASME B30.5) and drill rigs (in accordance with manufacturer's recommendations) in use. Complete, documented inspections shall be performed monthly to no less than annually, depending upon activity, severity of service, and environment.
 - 2. Maintaining required inspection documentation for all hoisting and rigging hardware and equipment as indicated in the above referenced chapters.
- D. In addition, daily and periodic maintenance and inspections shall be performed as required and will include maintaining records and documentation current.
- E. Prior to the start of work, the Contractor shall submit documentation of successful completion of the training requirements of any applicable activities covered in DOE-RL-92-36 (Most current revision), and certification that all training is current. Training to include but not limited to: hoisting and rigging operations, hoisting and rigging equipment inspection, fork truck operations, critical lifts, and mobile cranes or equal or new class.

For previous training to be acceptable for Hanford Site qualification, documented evidence must include type and class of equipment. For qualifications not related to equipment operation, personnel must have documented evidence of training and experience related to an activity covered by this manual. Specifically:

Hanford Site Hoisting and Rigging Manual qualifications for rigging operations. The Contractor may submit employee record of equivalency (i.e., experience and union affiliation), but must pass a written or oral examination; operators of cranes, forklifts, and aerial lift personnel performing rigging activities shall also satisfactorily completed an OJE.

4.4 Fire Prevention Requirements

All services under the management of the Contractor shall be performed in accordance with CPCC-PRO-SH-40078, *Contractor Safety Processes*, Appendix F, Safety Program Specifications for <https://cpcco.hanford.gov/page.cfm/SafetyReferenceDocuments>),

Section 3.3, which flows down the requirements of 10 CFR 851 and Hanford site requirements to the Contractor or an approved Contractor safety program.

- a. When applicable, all Fire Marshal permits shall be obtained in accordance with MSC-RD-8589, *Hanford Fire Permits*.
- b. All work activities must comply with CPCC-STD-FP-40404, *Fire Protection Program*.
- c. If any Fire Protection design features, egress, combustibles, protection systems will be potentially impacted by CONTRACTOR activities, contact CPCCo to obtain approval from the Project Fire Protection Engineer.

Portable fire extinguishers shall be mounted on hangers or stored in cabinets (except wheeled types). All vehicles that require a portable fire extinguisher must be secured in an approved manner (vehicle mounting bracket designed for the specific extinguisher, or stowed in a secured equipment container).

Portable heaters shall be listed or approved by a Nationally Recognized Testing Laboratory (such as US or FM) or American Gas Association (AGA) certified for their intended use, and shall not be modified for other applications. The use of electric heaters over 1500 watts and fuel-fired heaters shall be approved by the Hanford Fire Marshal. A Fire Marshal Permit shall be obtained from the Project Fire Protection Engineer prior to utilizing fuel fired and liquid petroleum gas-fired heaters. Fuel fire heaters shall not be placed in an enclosure. The heater and fuel supply shall be located outside the heated air duct into the enclosure.

All nonemergency fire hydrant tie-ins shall be approved and permitted through the Hanford Fire Marshal.

All generator operations shall be approved by the responsible Fire Protection Engineer and permitted through the Hanford Fire Marshal.

Relocatable structures shall be NFPA 101 compliant and permitted for location and occupancy through the Hanford Fire Marshal.

The Contractor shall designate break and smoking areas. Smoking areas will not be allowed within 50 feet of any facility or combustible source.

In the case of a fire, immediately contact the Hanford Site Fire Department at 509-373-0911.

4.5 Work Control Requirements:

Work shall be performed in accordance with existing PRC procedures, policies, guidance documents, etc. No work shall be performed that is out of scope to the Contract Release. If work is determined to be out of scope or questionable, work shall be stopped, issue/concern defined and evaluated. Revision to the Contract Release shall be prepared.

During the performance of the Contract Release the Contractor shall have on site a representative authorized to receive instructions or other communication. Any written communication given to said representative shall be deemed as delivered to the Contractor.

[The Request for Clarification \(RCI\)](#) (Form A-6004-833) process shall be used by the Contractor to record and provide information to CPCCo for circumstances that deviate from or require clarification to the Contract Release documents. CPCCo will provide resolution in the form of a response recorded on the RCI.

5.0 PERSONNEL REQUIREMENTS

5.1 Training and Qualification

Contractor shall ensure that assigned personnel have the appropriate education, training, experience and skills to accurately perform the work of the Contract Release. Specific requirements are identified under individual Releases

Contractor shall ensure that its personnel meet and maintain the appropriate training, qualification and certification requirements. Hanford site-specific general training requirements to safely perform this work are identified below.

1. All Contractor personnel shall complete CPCCo General Employee Training, previously Hanford General Employee training (HGET) (4-hour average per individual) computer orientation. (Retraining is required once per year).
2. The Contractor shall request CPCCo to provide the Hanford Site specific training for only those personnel that are performing work requiring the training specific to work under the SOW.

Required OSHA special hazard training (with the exception of training courses that are only offered by the Site) and Job Specific Training shall be provided by the Contractor.

For previous training to be acceptable for Hanford Site qualification, documented evidence must include type and class of equipment. For qualifications not related to equipment operation, personnel must have documented evidence of training and experience related to the activity as specified by DOE/RL-92-36.

The Contractor must submit documentation attesting to completion of the required training, or its equivalent. Additionally, the Contractor shall submit certification documentation for personnel performing job functions that require specialized training.

NOTE: *CPCCo will provide the Contractor, on request, the Training Equivalency Request Form (A-6005-124).*

The above requirements shall be verified through CPCCo Training. Once this verification is complete, CPCCo Training Coordinator will notify the BTR and Contract Specialist indicating that the work crew's training requirements have been completed. If evidence of training course completion is requested by CPCCo Training Coordinator, this shall also be provided upon request.

The required training shall be completed prior to start of work. CPCCo will be responsible for providing Hanford required training classes. The Contractor shall be responsible for the labor hours of classroom training.

5.2 Minimum Contractor Qualifications and Competence Requirements.

Testing and inspection shall be performed by a qualified and certified testing agency and laboratory with performance of field work by a qualified technician.

5.3 Security and Badging Requirements

For any on site work see [Special Provisions SP5](#), (On Site Services) Section 4.0 – *Security and Site Access* and the individual Contract Releases for details.

The Contractor shall wear a CPCCo-issued security badge identifying his or herself. A minimum of two working days advance notice is needed for site badging.

Contractor employees will be required to submit to vehicle searches and not personally carry or transport certain prohibited articles.

Prior to applying for a security badge and having employees perform services on Department of Energy (DOE) property, the Contractor shall have in possession documentation that employees assigned for more than seven (7) calendar days have undergone and passed a screening test for illegal/unauthorized substances not more than three (3) months prior to their initial assignment for service on the DOE property. The Contractor shall make documentation of negative drug screen available upon request. Drug screening must be from a Substance Abuse and Mental Services Administration (SAMHSA) certified laboratory. Proof of negative drug screen shall be on the testing agency collection center letterhead and shall include evidence of the SAMHSA certification. The drug test must screen for cocaine, marijuana/THC phencyclidine, amphetamines, and opiates.

The Contractor agrees to provide for work on the property of the U. S. Government, only personnel who understand the requirement of this Section and who will comply.

5.4 Site Access and Work Hours

CPCCo Operations and Facilities personnel at the Hanford Site work a 4-10s work schedule. The normal working hours are 6:00 AM to 4:30 PM Monday through Thursday. Work performed outside normal operating hours shall be coordinated and/or approved through CPCCo (or designee) prior to performing the work. The specific work schedule will be identified in the individual Contract Releases.

6.0 ENVIRONMENTAL, SAFETY, HEALTH, AND QUALITY REQUIREMENT

The Contractor shall ensure that all applicable Contract requirements are incorporated into any Contractor purchase order or subcontract. ISMS Contract flow down special provision SP-5 is incorporated herein. The Contractor shall submit documented evidence describing how the guiding principles and core functions of ISMS and all Contract Release requirements are incorporated into purchase orders and subcontracts prior to the start of any subcontracted Work (See PART III, General Terms of this Basic Ordering Agreement).

6.1 Safety Requirements

For on-site work, Contractor may submit for approval to CPCCo, a comprehensive OS/IH plan or meet all applicable CPCCo OS/IH requirements including but not limited to CPCC-MP-SH-32219, *CPCCo Worker Safety & Health Program Description, Appendix B*.

Contractor shall identify a staff member as the “Designated Safety Representative” prior to the start of work if the Contractor has more than one employee working on site in performance of the Contract Release, in accordance with Special Provisions – On-Site Services (SP-5).

Contractor shall notify the Contract Specialist if the name of the Designated Safety Representative changes.

NOTE: *Both the SP-5, Special Provisions – On-Site Services and CPCC-SH-PRO-40078, Appendix F, Safety Program Specifications for Contractors are available at the following link: <https://cpcco.hanford.gov/page.cfm/ContractProvisions>*

For on-site work, Contractor and its subcontractors shall be responsible to comply with all applicable sections of both SP-5, Special Provisions – On-Site Services and CPCC-PRO-SH-40078 - Contractor Safety Processes, Appendix F, Safety Program Specifications for Contractors

Contractor shall perform work in compliance with facility-specific procedures and requirements documents applicable to the work area. These procedures and requirements comply with State, Federal, and DOE requirements or regulations. Where there is a difference in regulations or requirements, the most stringent shall apply.

Contractor shall utilize the Hanford Site Occupational Medical Provider, HPMC Occupational Medical Services to obtain the identified medical examinations. Contractor shall support development/completion of an Employee Job Task Analysis (EJTA) for each assigned individual assigned to an on-site work. ETJAs completed by the Contractor shall be submitted to the BTR for approval by the CPCCo Health and Safety professional. Approved ETJAs shall be provided by the BTR or Health and Safety Professional, to HPMC to define required medical examination(s).

Contractor shall use HPMC for first aid treatment, and return to work evaluations and the Hanford Fire Department for ambulance service for urgent medical situations requiring care and transport.

Contractor shall take appropriate action, up to and including stopping work, and immediately notify the CPCCo if an unplanned risk or hazard is discovered that is not covered by directions provided by CPCCo. This action includes notifying the CPCCo if the work exposes their workers to hazards that require medical monitoring.

All services will be conducted in accordance with Hanford Site environmental, safety and health standards, security requirements, and Quality Assurance Program Plan applicable to scope.

The Contractor and its lower-tier contractors shall take all reasonable precautions in the performance of the work to protect the safety and health of employees and of members of the public. Where there is a difference in regulations or requirements, the most stringent shall apply.

Worker Exposure Monitoring for Hazardous Agents (i.e. Industrial Hygiene) - CPCCo shall be responsible for providing industrial hygiene technical support. Daily industrial hygiene technician (IHT) checks may be performed. Such support shall include establishing exposure

controls and limits, and conducting sampling and monitoring for hazardous agents associated with the activities and evolutions performed by the Contractor. These exposure controls and limits for hazardous agents (i.e. chemical; not radiological) shall be specified in the Site-Specific Health and Safety Plan and/or the JSA. Results of all industrial hygiene surveys and monitoring shall be provided to both the Contractor's Safety Representative and the Contractor's on-site Project Manager. CPCCo Industrial Hygienists will discuss exposure monitoring results with the respective Contractor Representatives and, as necessary, recommend or specify actions and controls to reduce or prohibit employee exposure to hazardous agents. The Contractor and CPCCo shall collaborate to implement these controls and ensure their effectiveness.

In accordance with CPCC-PRO-SH-40078 - *Contractor Safety Processes*, when the Contractor brings chemicals on site, the activity is subject to CPCCo's Chemical Management System Program. The Contractor must fill out Form A-6004-750, Chemical Inventory Worksheet, and submit for approval to CPCCo prior to mobilization.

Material Safety Data Sheets (MSDS) for hazardous chemicals (as defined by 29 CFR 1910.1200) which will be used during the work activity shall be provided to the BTR. The Contractor shall keep the list current, and shall provide the list to the assigned BTR when list has been updated.

The Contractor shall comply with CPCC-PRO-SH-40078 - *Contractor Safety Processes*, Appendix F, Section 3.15, for controlling exposures to airborne hexavalent chromium. These requirements are specifically applicable to welding, grinding, torch-cutting, metal buffing and metal polishing, and spray painting activities.

Lock-out/Tag-out performed by the Contractor shall be performed in accordance with DOE-0336, and with the oversight of CPCCo's Controlling Organization representative and BTR (See also CPCC-PRO-SH-40078 - *Contractor Safety Processes*, Appendix F, Safety Program Specifications for Contractors, Section 3.11).

The Contractor shall comply with the CPCCo ladder safety policy as described in CPCC-PRO-SH-40078 - *Contractor Safety Processes*, Appendix F, Section 3.16. The intent of this policy is to ensure that alternatives to Portable Ladders have been examined on a task specific basis.

The Contractor shall observe and provide spotters for Overhead restrictions as described in CPCC-PRO-SH-40078 - *Contractor Safety Processes*, Appendix F, Section 3.11.4.

6.2 Safety Representative(s)

The Contractor shall provide a qualified "Key Supervisor(s)" – Key Supervisor is identified as the designated line management safety and health representative for the Contractor and Sub-tier Contractors. The Key Supervisor qualification/training requirements are to have formal orientation to the CPCCo OS&H Program and completion of a 10-hour OSHA-sanctioned construction hazards recognition course.

The Contractor and each of the Sub-tier Contractors will identify at least one Key Supervisor. A Key Supervisor will be available on the job site at all times when Work is being performed.

Submit names and documentation to demonstrate qualification of Key Supervisors for approval prior to start of onsite Work.

The Key Supervisor shall be responsible for maintaining the safety program, ensuring job site safety requirements and procedures are being accomplished, conduct safety inspection of Work being performed, conduct weekly safety meetings and daily take “ten safety” meetings with craft and sub-tier employees, including late arrivals, ensure that the probable causes of injury or accident are controlled and that the operation equipment, tools, and facilities are used, inspected, and maintained as required by applicable safety and health regulations.

6.3 Quality Assurance and Control

The Contractor shall be responsible for performing quality workmanship and ensure Work conforms to manufacturer’s requirements, code compliance, standards, specifications, procedures, and permits applicable to the defined scope of Work.

Plans, procedures, and engineering documentation shall be controlled in accordance with the Contractor’s and Lower-tier Subcontractor’s Quality Assurance Program, which may be reviewed by CPCCo.

CPCCo retains the right of access at all reasonable times to Contractor’s facilities and workplace to inspect Work, supplies, materials, and equipment for the Work.

7.0 MEETINGS AND SUBMITTALS

7.1 Meetings

Site Labor Conference: Before start of Work, Contractor is responsible to schedule a site labor conference. The purpose of this conference is familiarization of project participants with Hanford Site labor requirements. Conference will last approximately 1 hour and include a presentation by the Contractor of the proposed craft utilization and work plan.

Kick-off Meeting: Before start of Work, CPCCo will schedule and conduct a meeting with the Contractor and major sub-tier contractors. This meeting normally follows the Pre-Job Labor Conference and will last approximately 2 hours. The purpose of the meeting is for the coordination of Work start-up and familiarization of project participants with the Work and the work site.

Construction Progress Meetings: During construction; coordination/progress meetings will be required. Meetings will be held at a time and place determined after the pre-construction conference. The purpose of the meeting is to exchange Work-related information, including design and scope changes, progress, and schedule. On average the meeting will be held weekly and last 1 hour.

Safety Meetings: The Contractor shall provide a daily “Take Ten for Safety” meeting and a weekly “All Hands” Safety Meeting. Meetings shall be documented and consistent with the OS&H Program and the requirements of the SOW. Contractor is required to have representation at the CPCCo monthly safety meetings. Safety meetings and related safety documentation shall be available for review at the jobsite.

7.2 Submittals

Contract Release documents take precedence if a conflict exists between the Contract Documents and the Submittal Log. Provide copies of all submittal data unless specified under individual Releases as otherwise noted.

8.0 MILESTONES, AND PERFORMANCE SCHEDULE REQUIREMENTS

8.1 Performance Schedule

Contractor shall commence performance of the Work on individual Contract Release within five (5) working days after receipt of a Contract Release Award unless otherwise specified. The Contractor shall complete the Work within the specified performance period and/or number of calendar days identified within the individual Contract Release.

The Basic Ordering Agreement will be effective for the specified period of performance. The CPCCo at its option, reserves the right to extend the Basic Ordering Agreement for additional one (1) year periods. Such extensions will be subject to Contractor's performance during the initial year, and during subsequent one (1) year options, all strictly at the discretion of the CPCCo.