

Revision 0

9-25-24

Prepared by: Matthew Niemi

1.0 INTRODUCTION / BACKGROUND

This Contract is issued for the performance of Third-Party Inspection Services in support of Central Plateau Cleanup Company (CPCCo) buyer work scope for the period ending September 30, 2023. Buyer is a prime contractor to the Department of Energy (DOE) and all work on this Statement of Work shall be performed in support of the Buyer’s contract with DOE.

This statement of work identifies the Contractor’s scope as it relates to the support for the Third-Party inspection services for CPCCo 300 Area End States.

2.0 DESCRIPTION OF WORK – GENERAL

The Contractor shall provide an Inspector to perform Third Party Inspections (TPI) or in-service inspections of pressure vessels as directed in this SOW and provide an Inspection Certificate(s) as required. The Inspector shall not perform any hands-on labor, other than that commensurate with the completion of the TPI(s).

Contractor shall respond to request for inspection services on-site within five working days of receipt of request.

The Inspector, or Authorized Inspector (AI) shall keep records of all arrival and departure times at each inspection site. This includes all stand-by time and non-inspection time for items associated with the inspection. The time records shall be submitted to the Buyer’s Technical Representative (BTR) weekly.

3.0 DESCRIPTION OF WORK – SPECIFIC

Inspector to provide Third Party Inspection services of ASME Boiler and Pressure Vessel Code Section VIII unfired pressure vessels and safety relieve valves (SRV) located at the 324 Building in the 300 Area.

3.1 Task Description

The specific components authorized for inspection by this SOW are:

324 Building, 300 Area			
Component	Description	Periodicity (Year)	Next Due
CA-RT-B001 (EPN 834)	Service Tunnel Air Receiver	2	4/31/2025
IA-RT-3001 (EPN 833)	Third Floor Equipment Room Air Receiver (Room 317)	2	3/31/2025
IA-COMP-3001	Backup Air Compressor Air Receiver (Room 317)	2	3/31/2025

CA-SRV-B001	Service Tunnel Air Receiver (EPN 834) safety relief valve	2	3/31/2025
IA-SRV-3005	Third Floor Equipment Room Air Receiver (EPN 833) safety relief valve	2	3/31/2025
IA-SRV-3023	Back up Air Compressor (IA-COMP-3001) safety relief valve	2	3/31/2025

3.2 Special Requirements

The Contractor shall be an Authorized Inspection Agency (AIA) accredited by the American Society of Mechanical Engineers (ASME) QAI-1. The Contractor shall provide authorized inspection services by providing Inspectors and Inspection Supervisors that are certified as the Inspector and of the Inspector Supervisor as defined in ASME QAI-1.

The Contractor shall provide qualified and certified AI(s) to provide Third Party Inspection (or in-service inspection) of operating ASME Boiler and Pressure Vessel (BPV) coded unfired pressure vessels and associated safety relief valves for certificate type inspections as directed in this SOW and provide Inspection Certificate(s) as required.

Contractor shall provide one Authorized Inspector Supervisor knowledgeable of the ASME QAI-1 Code. These services may entail site visits or as requested for required audits in accordance with ASME QAI-1.

3.3 Acceptance Criteria

Work products and services provided shall meet all applicable Buyer procedures for control and review of work products and pertinent regulatory requirements, as required by this contract and incorporated provisions.

Further specific Acceptance Criteria applicable to this scope includes ASME QAI-1.

3.4 Organizational Interfaces

The Point of Contact (POC) for technical questions is: Matthew Niemi 509-376-5079.

Additionally, this release specifies the following responsible parties:

- Radiological Protection (RadCon) Support: CPCCo
- Safety & Health (including Industrial Hygiene Monitoring): CPCCo
- Lock and Tag CO Responsibility: CPCCo
- Technical Oversight: CPCCo Design Authority (DA)
- Other responsibilities: CPCCo
- For work in the CPCCo 324 Building, CPCCo will have the responsibility for all aspects of the Field Work Supervisor (FWS) position, including hazard identification, Skill-Based determination, pre-job briefing, supervision of the work, and work completion / disposition. In addition, CPCCo will have responsibility for identification of safety basis

impacts, identification of hazards specific to the work environment, work release, and work acceptance.

A CPCCo work release is required prior to start of specific tasks. Each work package may define additional applicable roles and responsibilities.

3.5 Work Not Included

N/A

3.6 Buyer Furnished Materials and Equipment

N/A

3.7 Site Conditions and Known Hazards

The FWS will communicate any specific hazards or safety concerns with the Inspector prior to commencing work.

3.8 Site Coordination Requirements

Site coordination and interface requirements will be determined by the BTR and Project POC.

4.0 TECHNICAL REQUIREMENTS

Contractor shall perform in accordance with the terms and conditions of this contract, Buyer's internal policies and procedures, and quality assurance provisions, including safety programs, laws, orders, permits, rules, confidentiality of information and intellectual property safeguards.

4.1 Inspector's Commission Certificate

Each Inspector(s) provided by the Contractor must meet the following:

1. The Inspector's Commission Certificate must be current, and copies submitted.
2. Commissioned by The National Board of Boiler and Pressure Vessels (NBIC), and the State of Washington to perform the inspections of operating unfired pressure vessels.
3. Qualified as an Authorized Inspector (AI), per the ASME QAI-1.

Replacement of Inspector:

1. If during the term of the resultant Order it is determined by CPCCo (who has the sole discretion to decide and whose decision shall be final) that the capabilities of the Inspector(s) are not in accordance with the qualifications specified herein, the Inspector(s) shall be permanently removed from the work site. CPCCo may require replacement of the Contractor's Inspector(s) including, but not necessarily limited to, the following reasons:
 - Unsafe performance/failure of the Inspector to comply with safety requirements.

- Determined not physically qualified,
- Misconduct,
- Drug or alcohol abuse,
- Repetitive temporary absences or tardiness impacting the inspection schedule.
- Failure to comply with the applicable security requirements,
- Failure to pass the background investigation,
- Does "not" demonstrate a thorough understanding of standards that govern inspections.

2. If the Contractor's Inspector(s) is for any reason unable to complete the performance of the work specified herein, the Contractor shall provide a qualified replacement.

Consistent with ASME QAI-1, the Contractor shall submit the qualifications for an Authorized Inspector Supervisor. All Work shall be performed in strict accordance with CPCCo design criteria, codes and standards, specifications, drawings, exhibits.

4.2 Inspection Services

Contractor's Inspector shall perform inspection of ASME B&PVC Section VIII unfired pressure vessels in accordance with the rules for inspection as outlined in NBBI NB 23 (National Board Inspection Code) If, upon inspection, a pressure vessel is found to comply with this SOW, an inspection certificate (report) is to be provided.

All inspection of the Work shall be arranged by CPCCo.

4.3 Work Location / Access Requirements

The work will take place at the 324 Building in the 300 Area and the FWS will provide access to facility.

5.0 PERSONNEL REQUIREMENTS

The Contractor shall provide appropriately trained and qualified staff to perform the type of work associated with their skill of craft while performing services in support of the SOW.

5.1 Training and Qualification

- A. The Contractor is expected to provide appropriately trained and qualified staff to perform the type of work associated with their skill of craft at the Hanford site.
- B. Buyer will provide Contractor staff task or facility specific training as required for site and facility access and safe performance of assigned tasks.
- C. Testing requirements for personnel who will be working in substance Testing Designated Positions.

5.2 Security and Badging Requirements

For any on site work, see Special Provisions – On Site Services SP-5 for details.

- A. The Contractor shall wear a CPCCo-issued security badge identifying himself/herself. A minimum of two working days advance notice is needed for site badging.
- B. Contractor employees will be required to submit to vehicle searches and not personally carry or transport certain prohibited articles.

5.3 Site Access and Work Hours

Work shall be done on a 4 x 10 schedule. The standard workday consists of ten (10) hours of work between 6:00 AM and 4:30 PM, with one-half hour designated as an unpaid period for lunch. No work occurs on the non-working Fridays. If schedule alternative is required, Buyer's Technical Representative (BTR) will communicate to Contractor's point of contact.

6.0 ENVIRONMENTAL, SAFETY, HEALTH, AND QUALITY REQUIREMENTS

The Contractor shall perform work safely, in a manner that ensures adequate protection for employees, the public, and the environment, and shall be accountable for the safe performance of work. The Contractor shall comply with, and assist Buyer in complying with, Environmental, Safety, Health, and Quality (ESH&Q) requirements of all applicable laws, regulations, and directives.

Materials supplied or purchased for use in performance of this contract, to the maximum extent practical, shall be environmentally preferred as described in 40 CFR 247 and including Biobased products as designated by the USDA (see www.biopreferred.gov).

The following project-specific ESH&Q requirements are applicable to this scope of work in addition to the requirements identified in the Contract [General Provisions](#) and, when work is being conducted on site, the additional ESH&Q requirements in *Special Provisions – On Site Services (SP-5)* should be followed.

7.0 MEETINGS AND SUBMITTALS

7.1 Meetings

After contract award, the Contractor shall participate in Meeting(s) as required. Contractor shall participate in any meeting designated by the BTR, but as a minimum, a Pre-Job Briefing prior to work of the day.

7.2 Submittals

The following items shall be submitted to the Buyer in accordance with the instructions contained in Attachment 1, Submittal Register.

- AI's Commission Certificates
- The Inspector shall provide an example (or blank) Inspection Certificate (Report) to the BTR for acceptance of the Inspection Certificate (Report) format.

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- The Inspector shall provide the signed original Inspection Certificate (Report) to the BTR.
 - The Inspector shall provide an electronic copy of the Inspection Certificate (Report) to the Contracting Officer for transmittal to the BTR.
 - The Inspector shall provide on a weekly basis, a copy of his/her time and activity (Report) record to the BTR. The report shall include an abbreviated short narrative of the description of work that was performed including arrival time, activities performed while at the facility, departure time, etc. to the BTR.

The Contractor submittals identified herein and summarized on the Submittal Register shall be submitted by the Contractor using the Supplier Document Submittal Form (SDSF).

8.0 DELIVERABLES, PROJECT CONTROLS, MILESTONES, AND PERFORMANCE SCHEDULE REQUIREMENTS

8.1 Deliverables

Deliverables include inspection certification(s), inspection reports summarized on Attachment 1 Submittal Register.

8.2 Performance Schedule

The inspection schedule will be established by the BTR with input from the Inspector and the facility/project.

ATTACHMENT 1 - Submittal Register

The Contractor shall meet the required schedule and provide the documents specified in accordance with the following submittals.

Contract Number and Name: Third Party Inspection on Air Receivers at 324 Building					Revision: 0			
1. No.	2. Type, Number of Copies, Format	3. Technical Submittal	4. Vendor Information	5. Description / Document Title	6. Submittal Date (Calendar Days)	7. Approver Organizations	8. CPCCo Review Time (Work Days)	9. Contract Paragraph or Requirement Reference
1	APW PDF	Y	N	Documentation of Inspection Commission	M, Before Inspection	ENG	5	SOW 3.2, 7.2
2	APW PDF	Y	N	Example (or blank) of Inspection Certificate	M, Before Inspection	ENG	5	SOW 3.2, 7.2
3	AP PDF	Y	Y	Inspection Certificate (Report)	After Inspection	ENG	5	SOW 4.2, 7.2
4	AP PDF	N	N	Inspection Time and Activity Report	After Inspection	ENG	5	SOW 2.0, 7.2

1. Typically a numerical sequence (i.e., 1, 2, 3,...). However, other numbering systems may also be used.

2. Submittal type, number of copies and format:

APW = Approval Required Prior to Work (CPCCo must approve the Contractor's submittal prior to the Contractor being authorized to proceed with any activity/work associated with the submittal).

AP = Approval Required (CPCCo must approve the Contractor's submittal, however, work associated with the submittal may proceed prior to CPCCo approval).

Format: Describes the type of submittal required (electronic or printed):

DWG An AutoCAD drawing using the Hanford standard formatting (See CPCC-STD-EN-40279 Engineering Drawing Standards).

MFC Microsoft Format Compatible application (Word, Excel, Access, PowerPoint)

P3 A Primavera Project Planner schedule

GEN General or Open Format/Media

PDF Adobe Acrobat (Portable Document Format)

3. Technical submittals are Engineering or Quality affecting submittals. A Yes in this column designates the need for formalized comments, and a formalized comment

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- disposition process by the Contractor. Examples of Technical Submittals would include Engineering or Fabrication Drawings, or Certificates of Conformance.
4. Vendor Information for project record purposes.1
 5. Description / Document Title. Describe submittal.
 6. Required submittal date or its relationship to project milestones. Examples are July 14, 2009, or Award + 15 days, Contract Completion +30 days.
 - A Date of Award
 - CD Conceptual Design Complete
 - PD Preliminary Design Complete
 - FD Final Design Complete
 - M Mobilization
 - SC Start of Construction
 - EC End of Construction
 7. Approver Organization. Examples are Construction Manager, Safety, Quality, Radiation Protection, Waste Management.
 8. The number of Work Days required for review of the submittal.\