

Revision 0
May 20, 2021
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STATEMENT OF WORK
FOR
30-FT x 7-FT x 7-FT DOT 7A Type A Container

Revision History

Rev	Date	Reason for Revision
0	May., 2021	Initial Release

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1.0 INTRODUCTION / BACKGROUND

This Statement of Work (SOW) is being issued for the design, fabrication, and delivery of a U.S. Department of Transportation (DOT) compliant packaging in support of the Central Plateau Cleanup Company (CPCCo) work scope. CPCCo is a prime contractor to the Department of Energy (DOE) and all work on this SOW will be performed in support of the CPCCo contract with DOE. The term “Buyer” when used in this SOW refers to the CPCCo individual responsible for the action and may include, but it not limited to the Contract Specialist, Buyer Technical Representative, Design Authority, and Quality Assurance Engineer.

2.0 DESCRIPTION OF WORK – GENERAL

CPCCo requires a Contractor to design, fabricate, and deliver a DOT 7A, Type A carbon steel packaging in accordance with the requirements of this SOW. The Contractor shall submit, for the proposal, the container design documents to show compliance to 49 CFR 178.350 Specifications for Packagings for Class 7 (Radioactive) Materials.

Contractor shall provide and manage the labor, equipment, material, and services required to complete the tasks and deliverables identified herein. The work shall be performed at the Contractor’s facilities. If onsite access is required, site visitation will be coordinated through the Contract Specialist.

The Contractor is responsible for execution of the work in accordance with the quality standards and requirements specified herein. The Contractor shall certify that the completed fabrication is a DOT 7A, Type A Container per HNF-65770, *Procurement Specification for 30-FT x 7-FT x 7-FT DOT Specification 7A Type A Container*. These containers shall be constructed without the internal hook option shown in HNF-65770.

3.0 DESCRIPTION OF WORK – SPECIFIC

3.1 DOT 7A, Type A Container Fabrication and Testing

The work products and services required, including any specific CPCCo standards and requirements, for the successful completion of the work outlined in this Statement of Work include design, fabrication, testing, and delivery of a DOT compliant DOT 7A, Type A packaging in accordance with Procurement Specification, HNF-65770, *Procurement Specification for 30-FT x 7-FT x 7-FT DOT Specification 7A Type A Container*, 49 CFR 178.350 and this SOW.

The Contractor shall provide the following equipment and quantities as shown:

	Task	Quantity
Task-1:	30' x 7' x 7' DOT 7A, Type A Container	2

3.1.1 Procure/Fabricate/Assemble and Test a DOT 7A, Type A Container (Task 1)

The Contractor shall design, fabricate and assemble the DOT 7A, Type A Containers in accordance with Procurement Specification, HNF-65770, *Procurement Specification for 30-FT x 7-FT x 7-FT DOT Specification 7A Type A Container*, 49 CFR 178.350 and this SOW.

The Fabricator shall prepare and submit fabrication travelers, inspection plans and test plans for the equipment listed in this SOW for Buyer review, approval, and insertion of CPCCo source inspection/witness points prior to starting fabrication, inspection, or testing on the subject component. Fabrication travelers and inspection/test plans may be submitted as a single or as separate documents.

Task 1 Summary of Inspection Requirements:

- In-Process fabrication inspections
- Final visual inspection of all welds by Certified Weld Inspector (CWI) per AWS D1.1/AWS D1.3.
- Perform a Lid Fit Test (utilizing alignment marks or can be fitted in any orientation)
- Completion of the HNF-65770, Attachment B Checklist
- Verification of Dimensions, Coating, Labeling and Weight

3.2 Acceptance Criteria

The acceptance criteria for the work products and services provided are identified in procurement specification HNF-65770 and include, but are not limited to the following:

- Approval of the design
- Acceptance of qualification testing/analyses
- Signed-off witness/hold points
- Completed DOT 7A, Type A Checklist (HNF-65770, Attachment B)
- Acceptable source inspection, if exercised by the Buyer
- Dispositioned non-conformances and test deficiencies
- Successful testing
- Acceptable receipt inspection.

3.3 Organizational Interfaces

Name	CPCCo Position	Phone	email
Carl Shaw (or designee)	Contract Specialist (contractual interface)	509-376-5504 (office)	carl_w_shaw@rl.gov
Beau Bales (or designee)	Buyer Technical Representative (BTR) (technical point of contact)	509-373-0906	beau_s_bales@rl.gov
Stephen McGaughey	Design Authority	(509)-372-1411 (office)	stephen_d_mcgaughey@rl.gov

3.4 Work Not Included

Movement and/or handling of the DOT 7A, Type A Container at the Hanford Site, *after delivery*, is not included in the scope of this contract.

3.5 Buyer Furnished Materials and Equipment

NA

3.6 Site Coordination Requirements

If onsite access is required, site visitation will be coordinated through the Contract Specialist.

4.0 TECHNICAL REQUIREMENTS

Contractor will perform all work in strict accordance with requirements, design criteria, national, state and local codes and standards, specifications, drawings, exhibits, and any other documents, which, by reference, are made a part of this SOW.

CPCCo reserves the right to perform source inspections before and during fabrication. Inspections will be arranged jointly by CPCCo and the Contractor.

4.1 Codes and Standards

The latest version of the codes, standards, and requirements listed below are hereby incorporated into and made a part of this Contract to the extent indicated in this SOW and attachments.

- See Procurement Specification for 30-FT x 7-FT x 7-FT DOT Specification 7A Type A Container, HNF-65770, Rev. 0

4.2 Specifications

The latest version of the specifications listed below, are hereby incorporated into and made a part of this Contract to the extent indicated in this SOW and attachments.

- See Procurement Specification for 30-FT x 7-FT x 7-FT DOT Specification 7A Type A Container, HNF-65770, Rev. 0

4.3 Exhibits

The Forms shown in the following table are hereby incorporated into and made a part of this Contract.

Table 4.4 Exhibits List

Form No.	Title
Form A-6004-757	Contractor Document Submittal
Form A-6004-833	Request for Clarification/Information (RCI)
Form A-6004-820	Contract Change Form

4.4 Design Changes and RCI's

If the Contractor determines that a design change is necessary after the design has been approved by CPCCo, the Contractor shall submit a Request for Clarification/Information (RCI), via Form A-6004-833, to the Buyer for review and approval.

Any proposed changes (materials, welding, dimensions, finish, fit, function, etc.) to the Contractor design media must be approved by the Buyer. Any redline changes shall be approved and initialed by a Buyer's Design Authority (designee) prior to execution of the change.

The Contractor shall submit a copy of their change (e.g., redline) process to the Buyer for approval. If the Contractor's change process has previously been approved by the Buyer, the Contractor may submit a statement declaring that it has been previously reviewed and approved and that it has not changed since the last review.

The Contractor shall submit the final as-built drawings to the Buyer for incorporation, as well as the redline mark-ups. Final acceptance by the Buyer requires that the actual configuration of each item matches the approved drawing redline changes.

RCIs used by the Contractor to receive clarification from the Buyer at any time during execution of the contract, may result in a design change, but does not constitute justification or imply a contract modification, approved design change, or nonconformance. CPCCo's response to an RCI does not constitute authorization to perform a change to the Contract. All contract changes shall be made via the contract change process.

5.0 PERSONNEL REQUIREMENTS

5.1 Training and Qualification

- A. Task specific or unique training or qualifications required for this task includes hazmat employee training in accordance with 49 CFR §172.704, *Training Requirements*.
- B. The Contractor shall provide appropriately trained and qualified staff to perform the type of work specified.

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 CPCCo in complying with Environmental, Safety, Health, and Quality (ESH&Q) requirements of all applicable laws, regulations and directives.

The Contractor shall flow down ESH&Q requirements to the lowest tier subcontractor performing work, commensurate with the risk and complexity of the work.

6.1 Safety Requirements

The Contractor shall comply with their facility specific safety requirements in the execution of this work.

6.2 Quality Assurance and Control

All equipment to be fabricated under this SOW is Quality Level 3 and General Service.

The Contractor shall submit the quality assurance program manual that addresses the quality assurance programs identified herein. The formal submittal documentation (cover letter) shall identify the specific bid request and project.

If the Contractor's manual has been previously approved by the Buyer but is not current, the manual shall be updated and resubmitted to the Buyer with the proposal. If the manual has not changed since its previous approval by the Buyer, a statement to this effect shall be submitted with the proposal. The Buyer shall evaluate the Contractor's Quality Assurance program prior to contract award. This evaluation may include a survey of quality program implementation at the Contractor's facilities. If a program change is required, it will be identified to the Contractor prior to contract award. A deficient or inadequate program may be used as the basis to deny award of this contract.

At a minimum, the Contactor Quality Assurance Program shall conform to 10 CFR 830, Subpart A, or equivalent.

The Contractor is responsible for performing quality work in compliance with the requirements of this contract. The Contractor is responsible to pass down to any sub tier contractor the applicable requirements of this contract. The Contractor must allow access to their facility, work site, or sub-contractors facility or worksite at any time during this contract for CPCCo personnel to perform inspections or surveillances.

6.3 Quality Assurance Procurement Requirements

The Contractor shall comply with the Quality Assurance Procurement Requirements specified below:

6.3.1 Supplier Use of Calibrated Equipment

See HNF-65770, Rev 0

6.3.2 Fabrication/Inspection/Test Plan

The Contractor shall prepare a detailed fabrication/inspection/test plan (Traveler) for insertion of Buyer-designated source inspection/witness notification points. Prior to starting work, the plan shall be submitted to the Buyer for review, approval and insertion of Buyer's designated inspection/witness notification points unless otherwise specified in procurement documents. The plan shall include the following:

1. Traceability to Buyer's Contract Order document number.
2. Description of items to be fabricated/tested/inspected (e.g., components, subassemblies, assemblies).
3. Sequential fabrication/process steps.
4. Sequential points for inspection and tests to be performed during fabrication/processing.
5. Method/procedure to be used for performance of inspection/test/fabrication, including:
 - a. Each characteristic or attribute to be evaluated,
 - b. The report form to be utilized,
 - c. Specific Codes/Standard requirements as specified by procurement documents i.e., ASME, ASTM, ANSI, etc., and
 - d. Sampling plans for final characteristics (e.g., AQL, lot size, inspection level), where applicable.

Subsequent revisions/modifications to the fabrication/inspection/test plan document require review and approval by the Buyer prior to implementation of the change. When subcontracting any portion of this Contract Order, the Contractor is required to invoke the applicable quality assurance program requirements on the subcontractor.

6.3.3 Contractor Use of Software

See HNF-65770, Rev. 0

6.3.4 Source Inspection

All items are subject to inspection at the Contractor's facility or Contractor's subcontractor's facility by a Buyer's quality assurance/quality control representative. The Contractor shall notify Buyer at least 5 working days in advance of the time items will reach any inspection hold point established by the Buyer in the procurement package.

6.3.5 Nonconformance Documentation and Reporting

All nonconformances identified at the Contractor's facility with a proposed disposition of "Accept" or "Repair" shall be approved by the Buyer before any corrective action is taken by the Contractor on the nonconformance.

- Accept: A disposition that a nonconforming item will satisfactorily perform its intended function without repair or rework.
- Repair: A disposition requiring the processing of a nonconforming item so that its characteristics meet the requirements listed in the disposition statement of the nonconformance report.

A Contractor Nonconformance exists when;

- (1) A Buyer's technical or material requirement, or a requirement in a Buyer approved Contractor document is violated; and

- (2) The nonconformance cannot be corrected by continuation of the original manufacturing process or by rework; or
- (3) The item does not conform to the original requirement but can be restored to a condition such that the capability of the item to function is unimpaired.

Nonconformances shall be documented by the Contractor on the Contractor's nonconformance form. After documenting the nonconformance, disposition and technical justification, the form shall be forwarded to the Buyer.

After the recommended disposition has been evaluated by the Buyer, the form shall be returned to the Contractor with a disposition of approval or rejection. The Contractor may take corrective action on the nonconformance only after the form is approved.

The Contractor's nonconformance form shall be shipped with the affected item.

6.3.6 Certified Weld Inspector (CWI)

Contractor personnel performing weld inspections shall be certified as a Certified Weld Inspector (CWI) in accordance with the requirements specified in AWS QC-1.

The following documentation shall be submitted prior to the start of fabrication:

1. Current AWS CWI certificates.
2. Current and valid visual acuity examination. The examination must be performed annually.
3. Visual weld inspection procedures.

Approval shall be obtained from the Buyer prior to start of fabrication.

6.3.7 Welding Procedures and Qualifications

Welding procedures and personnel shall be qualified in accordance with the applicable AWS or ASME specifications as specified in the Contract order. The Contractor shall submit copies of all welding procedures, Procedure Qualification Records, and Welder Qualification Records to be employed in the performance of this Contract Order. Buyer approval is required prior to the start of fabrication.

Changes and revisions to welding documentation shall be submitted to the Buyer for review and approval prior to use. When subcontracting any portion of this Contract Order, the Contractor is required to invoke the applicable quality assurance program requirements on the subcontractor.

6.3.8 Identification of Age Control Items (Gasket Only)

The Contractor shall identify each item, assembly, package, container, or material, having limited shelf life, with the cure date or date of manufacture and the expiration date. The Contractor shall specify any storage temperatures, humidity and environmental conditions which should be maintained. Material shall NOT be furnished having less than 75 percent of total shelf life available at time of shipment.

6.3.9 Inspection and Test Report

The Contractor shall submit legible, reproducible copies of Inspection/Test Reports.

The report(s) shall include the following:

1. Identification of the applicable inspection and/or test procedure utilized.
2. Resulting data for all characteristics evaluated, as required by the governing inspection/test procedure.
3. Traceability to the item inspected/tested, (i.e., serial number, part number, lot number, etc.).
4. Signature of the Contractor's authorized representative or agency which performed the inspections/tests.

One copy of the documentation, unless otherwise specified, shall accompany the applicable item(s) shipped.

6.3.10 Control of Graded Fasteners

The provisions stated below are the minimum DOE requirements for high strength graded fasteners produced in compliance with national consensus standards (e.g., SAE, ASTM, ASME).

1. Fasteners shall exhibit grade marks and manufacturer's identification symbols (headmarks) as required in the specifications referenced in the Contract Order.
2. Any fasteners supplied with headmarks matching those displayed on the attached Suspect/Counterfeit Fastener Headmark list, or facsimiles thereof, shall be deemed to be unacceptable under the terms of this Contract Order.
3. When requested by the Buyer, the Contractor shall provide a legible and reproducible copy of the manufacturer's CMTR. These CMTRs shall report the values of the actual chemical and physical tests performed on the represented fastener lot/material heat. Fastener packaging/labeling shall be traceable by lot number or other positive means to the CMTRs.
4. Fasteners shall be inspected to verify compliance with the Contract Order requirements. Additionally, fasteners may also be subjected to destructive testing.
5. When requested by the Buyer, the Contractor shall provide a Certificate of Conformance (CoC) which must certify conformance and traceability of supplied materials to the subject Contract Order. The document must be legible and reproducible.

6.3.11 Procurement of Potentially Suspect or Counterfeit

Notwithstanding any other provisions of this agreement, the Contractor warrants that all items provided to the Contractor shall be genuine, new and unused unless otherwise specified in writing by the Contractor. Contractor further warrants that all items used by the Contractor during the performance of work for the Hanford Site, include all genuine, original, and new components, or are otherwise suitable for the intended purpose. Furthermore, the Contractor shall indemnify the Contractor, its agents, and third parties for any financial loss, injury, or property damage resulting directly or indirectly from material, components, or parts that are not genuine, original, and unused, or not otherwise suitable for the intended purpose. This includes, but is not limited to, materials that are defective, suspect, or counterfeit; materials that have been provided under false pretenses; and materials or items that are materially altered, damaged, deteriorated, degraded, or result in product failure.

Types of material, parts, and components known to have been misrepresented include (but are not limited to) fasteners; hoisting, shackles, turnbuckles, cable clamps, wire rope, rigging, and lifting equipment; cranes; hoists; valves; pipe and fittings; electrical equipment and devices; plate, bar, shapes, channel members, and other heat treated materials and structural items; welding rod and electrodes; and computer memory modules. The Contractor's warranty also extends to labels and/or trademarks or logos affixed, or designed to be affixed, to items supplied or delivered to the Contractor. In addition, because falsification of information or documentation may constitute criminal conduct, the Contractor may reject and retain such information or items, at no cost, and identify, segregate, and report such information or activities to cognizant DOE officials.

Contractor shall provide a written statement that “all items furnished under this Contract Order are genuine (i.e., not counterfeit) and match the quality, test reports, markings and/or fitness for use required by the Contract Order.

The statement shall be on Contractor letterhead and signed by an authorized agent of the Contractor.

Any materials furnished as part of this Contract Order which have been previously found to be suspect/counterfeit by the DOE shall not be accepted.

For further information on suspect/counterfeit items, reference the DOE Guidance at: <http://energy.gov/ehss/policy-guidance-reports/databases/suspectcounterfeit-and-defective-items>.

Additional information may also be found by referring to: Managing Suspect and Counterfeit Items (SCI) in the Nuclear Industry; International Atomic Energy Agency Guide [IAEA-TECDOC-1169](#).

6.3.12 Certificate of Conformance

The Contractor shall provide a legible/reproducible CoC. Contractor's authorized representative responsible for quality shall sign the CoC.

This CoC shall, as a minimum:

1. Identify the appropriate Contract Order number under which the material, equipment, item or service is being supplied.
2. Each Order/shipment shall include a CoC unique to that shipment.
3. The quantity of each Line Item shipped shall be identified on the CoC.
4. The CoC shall identify the specific procurement requirements to be met by the purchased item or service. The procurement requirements identified shall include any approved changes, waivers, or deviations applicable to the item or service.
5. The CoC shall be signed or otherwise authenticated by a Contractor's representative who is responsible for this QA function and whose responsibilities and position are described in the Contractor's QA program.

One copy of the documentation, unless otherwise specified, shall accompany the applicable item shipped. For subsequent shipments on this Contract Order, reference may be made to documentation provided with earlier shipments, instead of duplicating such documentation.

6.3.13 Recommended Spare Parts Listing

The Contractor shall submit, with or prior to item shipment, a recommended spare parts list. The list shall provide the name and address of the original supplier of the replacement part, and the part's drawings, specification, or catalog identity including applicable change or revision information.

6.3.14 Packaging/Shipping Procedures

See HNF-65770, Rev. 0

6.4 Quality Assurance Inspection Plan

The Buyer will perform source inspections utilizing Acquisition Verification Services (AVS).

7.0 MEETINGS AND SUBMITTALS

7.1 Meetings

Contractor shall participate in the following meetings:

1. Project Kickoff meeting. This meeting will be held after contract award to review contract requirements and processes, establish protocols for communications and interfaces, introduce key personnel and their roles and responsibilities, and review the project schedule. The agenda for the meeting will be provided by the Buyer.
2. Weekly Progress meeting. This meeting will be coordinated with the Contractor to occur at a day/time acceptable to both the Buyer and the Contractor. The Contractor shall provide a two-week "look ahead" schedule, updated weekly, one day prior to each scheduled meeting.
3. Any other meetings requested by the Buyer during the course of work as necessary.

The person or persons designated by the Contractor to attend all meetings shall have all required authority to make decisions and commit Contractor to technical decisions made during meetings.

7.2 Submittals

1. The required submittals for this contract are listed in Attachment 1, Submittal Register. Note: CPCCo works Monday through Thursday, 0600 – 1630. The review/approval cycle will occur during normal work hours. All submittals posted prior to 1:00 PM, that submittal review duration shall start the review duration date of that document for that day. If the submittal arrives to DMCS after 1:00 PM, that submittal review duration start date shall fall on the next working day. For example, submittals received by CPCCo after 1:00 PM on Thursday will be distributed and reviewed beginning the following Monday, and will have the complete duration of review time as stated in the submittal register (See Attachment 1).
2. The Contractor submittals identified herein on the Submittal Register shall be submitted by the Contractor using the Contractor Document Submittal Form (CDSF) A-6004-757 (available at <http://chprc.hanford.gov/page.cfm/SubmittalsFormsDocs>). Instructions for completion of the CDSF are included with the form. In addition, send a copy of each submittal to the Buyer.

3. If the Contractor is using submittals previously approved by the Buyer, the Contractor may declare no changes have taken place since last submittal and ask for approval based on previous referenced submittal.
4. All submittals shall be transmitted to Document Control at SRPCDC@rl.gov, with copy to the Buyer's Technical Representative.

7.3 Final Data Package

The Contractor shall prepare a final data package containing the quality records listed in HNF-65770, Rev. 0 and the attached submittal register. All documents shall be legible and reproducible to the third generation.

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

8.1 Deliverables

The Contractor is required to deliver a fully functional DOT 7A, Type A Container(s) that has been designed, fabricated, tested, and accepted by CPCCo. Deliverables under this SOW include the DOT 7A, Type A Container along with the Buyer approved documentation package. Deliverables dates for task 1 is listed as follows:

<u>Task</u>	<u>Quantity</u>
Task-1:	30' x 7' x 7' DOT 7A, Type A Container (2)

Delivery location for the DOT 7A, Type A Container(s) is 2355 Stevens Drive, Richland, WA, the Central Warehouse, located approximately 2 miles north of Richland, Washington.

8.2 Project Controls

The Contractor shall submit a onetime baseline schedule 5 days after award that reflects the actual award date. Subsequent schedules shall be provided a minimum of 24 hours in advance of the weekly meetings for the duration of the Contract. The schedule should be in the form of a progress chart of suitable scale to indicate appropriately the percentage of work scheduled for completion by any given date during the contract period of performance. Identify critical path activities, including logical sequence and relationship of activities for engineering, design, submittals, procurement, fabrication, inspection, testing, and delivery for work covered by this Contract. The schedule shall include the following data elements:

Activity ID
Activity Description
Original Duration
Remaining Duration
Start
Finish
% Complete

Total Float
Predecessor
Successor
Activity Budget

The Contractor shall provide a detailed fabrication schedule. The schedule shall include as a minimum the following contents for each of the above fabrication packages.

Fabrication Traveler
Prefabrication submittals
Material Order and Receipts
Fabricate Assembly or Unit (should be provided in some level of progress steps)
Any special processes not defined above (i.e. heat treatment, machining, coating)
Factory Acceptance Test
Package and Prepare for Shipment
Approved Final Data Package
Delivery to CPCCo, Acquisition Verification Services (AVS)

8.3 Performance Schedule

This contract will be effective from time of award to the dates detailed in the Contract Period of Performance.

8.4 Equipment Storage

The Buyer may wish to temporarily store the fabricated equipment at the Contractor's facility after equipment fabrication and would be handled as a change to the contract via the change order process. The Contractor shall provide a monthly price for storage of any completed equipment prior to delivery.

If CPCCo exercises the storage option, the Contractor shall assume that Mechanical equipment shall be stored in an area with covered overhead and sufficiently protected from the elements.

The Contractor should assume that equipment acceptance will remain the same and that storage cost, if required, would only commence after the date for scheduled delivery (See Section 8.1).

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

Contract Number:					Revision:			
1. No.	2. Type, and Number of Copies	3. Technical Submittal	4. Vendor Information	5. Description / Document Title	6. Submittal Date CD – Calendar days WD – Work days	7. Approver Organization	8. CPCCo Review Time (WD)	9. Contract Paragraph or Requirement Reference
100 – PROJECT CONTROLS								
101	APW PDF/N	No	No	Baseline Schedule and any Revisions	A + 5 WD	PC	8	8.2
300 - QUALITY								
301	APW PDF	Yes	No	Quality Assurance Program and Implementing Procedures	PW	QA	4	6.2
305	APW PDF	Yes	No	Supplier Use of Calibrated Equipment	PW	QA	4	6.3.1
306	APW PDF/N	Yes	No	Fabrication/Inspection/Test Plan	PW	ENG	8	6.3.2
308	APW PDF	Yes	No	Supplier Use of Software	Z	QA	4	6.3.3
313	APW PDF	Yes	No	Nonconformance Documentation and Reporting	Z	QA	4	6.3.5
314	APW PDF	Yes	No	Certified Weld Inspector Documentation	PF – 14CD	SME	8	6.3.6
315	APW PDF	Yes	No	Welding Procedure Specifications (WPS)	PF – 8WD	SME	8	6.3.7

Contract Number:					Revision:			
1. No.	2. Type, and Number of Copies	3. Technical Submittal	4. Vendor Information	5. Description / Document Title	6. Submittal Date CD – Calendar days WD – Work days	7. Approver Organization	8. CPCCo Review Time (WD)	9. Contract Paragraph or Requirement Reference
316	APW PDF	Yes	No	Welding Procedure Qualification Records (PQR) (To be submitted separately for each qualified PQR)	PF – 8WD	SME	8	6.3.7
317	APW PDF	Yes	No	Welder Performance Qualifications Records (WPQR)(To be submitted for each qualified welder)	PF – 8WD	SME	8	6.3.7
324	AP PDF	Yes	No	Identification of Age Control Items	Z	ENG	4	6.3.8
327	AP PDF	Yes	No	Inspection and Test Report	Z	QA ENG	4	6.3.9
336	AP PDF	Yes	No	Control of Graded Fasteners	Z	QA	4	6.3.10
337	AP PDF	Yes	No	Procurement of Potentially Suspect or Counterfeit Items	U	QA	4	6.3.11
338	AP PDF	Yes	No	Certificate of Conformance	Z	QA	4	6.3.12
340	AP PDF/N	Yes	No	Recommended Spare Parts Listing	PS	ENG	4	6.3.13
343	AP PDF	Yes	No	Packaging/Shipping Procedures	PS	ENG	4	6.3.14
345	APW PDF	Yes	No	Change Control Process (Redline Procedure)	PF	QA ENG	4	4.4

Contract Number:					Revision:			
1. No.	2. Type, and Number of Copies	3. Technical Submittal	4. Vendor Information	5. Description / Document Title	6. Submittal Date CD – Calendar days WD – Work days	7. Approver Organization	8. CPCCo Review Time (WD)	9. Contract Paragraph or Requirement Reference
346	AP PDF	Yes	Yes	Final Data Package	PS	ENG	8	7.3
400 - ENGINEERING / DESIGN								
401	APW PDF/N	Yes	No	System Design, Drawings, and Supporting Analyses	W/Proposal	ENG	8	2.0
403	AP PDF	Yes	No	Final Drawing Redlines	PS	ENG	4	4.4

- Typically a numerical sequence (i.e., 1, 2, 3,...). However, other numbering systems may also be used. Skipped numbers indicate submittals are not applicable.
- Submittal type, number of copies and format:

Submittal Type		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).	N	Native File (An AutoCAD drawing*, SolidWorks, MathCad, Word, Excel, Power Point, Primavera, Project, etc.)
AP	Approval Required (CPCCo must approve the Contractor's submittal; however, work associated with the submittal may proceed prior to CPCCo approval).	PDF	Adobe Acrobat (Portable Document Format)
		GEN	General or Open Format/Media
		H#	Hardcopy reproducible to three (3) times

* using the Hanford standard formatting (See PRC-STD-EN-40279, *Engineering Drawing Standards*)

- Technical submittals are Engineering or Quality affecting submittals. A Yes in this column designates the need for formalized comments, and a formalized comment disposition process by the Contractor. Examples of Technical Submittals would include Engineering or Fabrication Drawings, or Certificates of Conformance.
- Vendor Information for project record purposes.
- Description / Document Title. Describe submittal.
- Required submittal date or its relationship to project milestones. CD = Calendar Days. WD = Work Days. Example: are Award (A) + 15 CD

A	Date of Award	PT	Prior to Testing	Z	As Required
NTP	Notice to Proceed	PP	Prior to Purchase	FD	Final Design Complete
CD	Conceptual Design Complete	PF	Prior to Fabrication	EC	End of Contract
PD	Preliminary Design Complete	PS	Prior to Shipment	SC	Per S/C Schedule
PW	Prior to Commencing Work	U	Prior to Use		

- Approver Organization. Examples:

BTR	Buyer Technical Representative	PR	Procurement	RC	RadCon
ENV	Environmental Compliance/EPL	QA	Quality Assurance	SH	Safety & Health
ENG	Engineering Services	IH	Industrial Hygiene	SME	Subject Matter Expert
FP	Fire Protection	PC	Project Controls	WM	Waste Management

8. The number of Work Days required for review of the submittal.
9. Contract Reference: Cross reference to the Contract requirement that defines this submittal.

NOTE: SKIPPED NUMBERS OR "N/As" INDICATE RESERVED SUBMITTAL NUMBERS NOT APPLICABLE TO THIS CONTRACT