Revision 2
05/25/2023
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STATEMENT OF WORK

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1.0 INTRODUCTION / BACKGROUND

This contract is issued for the performance of MCO Mockup fabrication, inspection, and delivery in support of Central Plateau Cleanup Company (Buyer) work scope for the period April-October 2023. Buyer is a prime contractor to the Department of Energy (DOE) and all work on this Statement of Work (SOW) shall be performed in support of the Buyer's contract with DOE.

The Canister Storage Building (CSB) contains 412 Multiple Canister Overpacks (MCOs) containing spent nuclear fuel. Of those, 397 have been permanently seal welded closed using a canister cover assembly welded over the top of the canister shield plug. 15 of the MCOs do not yet have the cover cap welded to the top of the shield plug. The scope of this contract is to build welding mockup assemblies that will be used to test the welding process in preparation for welding the final 15 MCOs.

2.0 DESCRIPTION OF WORK – GENERAL

Buyer requires a Contractor to fabricate, inspect and deliver three sets of MCO welding mockups assemblies in accordance with the requirements of this SOW.

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 shall 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.

3.0 DESCRIPTION OF WORK – SPECIFIC

3.1 Task Description

The work products and services to be provided, including any specific Buyer standards and requirements, required for the successful completion of this work activity includes fabrication, inspection, and delivery of three pieces of Design "A" assembly, with all associated components, and three pieces of "Design B" assembly. The contractor will furnish all materials, labor, and oversight to fabricate the welding mockups in accordance with design drawings and specifications.

3.2 Special Requirements

None.

3.3 Acceptance Criteria

The acceptance criteria for the work products and services provided are identified in the attached drawings. All dimensions, surface finish, weld callouts and other requirements specified in the drawing must be inspected and met.

3.4 Organizational Interfaces

The contractual interface for this work is the Buyer's Contract Specialist (or designee). The Buyer Technical Representative (BTR) (or designee) will act as the technical point of contact.

3.5 Work Not Included

N/A

3.6 Buyer Furnished Materials and Equipment

None

3.7 Site Coordination Requirements

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

4.0 TECHNICAL REQUIREMENTS

Contractor shall 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 the SOW.

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

4.1 Codes and Standards

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

Document No.	Title
SAE J429	Mechanical and Material Requirements for Externally Threaded Fasteners
DOE/RL-92-36	Hanford Hoisting and Rigging Manual
ASME B18.2.1	American Society of Mechanical Engineers, Square and Hex Bolts and Screws (inch series)
ANSI B18.3-1982	Socket Cap, Shoulder, Set Screws, and Hex Keys (Inch Series)
ASME BPVC, Section II, Part A	American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Ferrous Material Specifications, 1998 edition, no addenda

Document No.	Title
ASME BPVC, Section II, Part C	American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Specifications for Welding Rods, Electrodes, and Filler Metals, 1998 edition, no addenda
ASME BPVC, Section III, Division 1, NCA-4000	American Society of Mechanical Engineers Boiler and Pressure Vessel Code Section III, Rules for Construction of Nuclear Facility Components Subsection NCA, General Requirements for Division 1 and Division 2, 1998 edition, no addenda
ASME BPVC, Section III, Subsection NB, Class 1 Nuclear Components	American Society of Mechanical Engineers, Boiler and Pressure Vessel Code, Section III, Division 1 – Subsection NB, Class 1 – Components, Rules for Construction of Nuclear Power Plant Components, 1998 edition, no addenda.
ASME Section V	American Society of Mechanical Engineers, Boiler and Pressure Vessel Code, Section V, Nondestructive Examination, 1998 edition.
ASME Section IX	American Society of Mechanical Engineers, Boiler and Pressure Vessel Code, Section IX, Welding and Brazing Qualifications, 1998 edition.
American Society for Nondestructive Testing	Recommended Practice No. SNT-TC-1A Personnel Qualification and Certification in Nondestructive Testing
ASME, Y14 Series	American Society of Mechanical Engineers, Engineering Drawing and Related Documentation Practices, American Society of Mechanical Engineers, New York, New York.
ANSI/ASME B30.20	American Society of Mechanical Engineers, Below-the-Hook Lifting Devices, 1993.
ANSI/AWS D1.1,	American Welding Society, Structural Welding Code - Steel, 2002.
AWS D14.1-97	American Welding Society, Specification for Industrial and Mill Cranes and Other Material Handling Equipment.
AWS A2.4	American Welding Society, Standard Symbols for Welding, Brazing, and Nondestructive Examination
AWS QC-1	American Welding Society, Certification of Welding Inspectors
AWS D1.6	American Welding Society, Structural Welding Code—Stainless Steel
AWS A3.0	American Welding Society, Standard Welding Terms and Definitions

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 Statement of Work and attachments.

Specification No.	Title
	Welding Mockup Specification
	Welding Mockup Attachment A Welding Specification

4.3 Drawings

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

Drawing No.	Title
SK-2023-04-01	Design “A” Assembly - CCA Welding Mockup
SK-2023-04-02	Design “B” Assembly - MCO Welding Mockup

4.4 Exhibits

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

Specification No.	Title
Form A-6004-757 Rev 6	Contractor Document Submittal
Form A-6004-833 Rev 5	Request for Clarification/Information (RCI)
Form A-6004-820 Rev 6	CPCCo Change Form

4.5 Design Changes

Initial design and any proposed changes (materials, dimensions, finish, fit, function, etc.) to the agreed upon design needs to be approved by the Buyer. Changes can be made using the Contractor’s design change control process (redline process).

Proposed changes to the design media shall be managed using the process described below:

A. When corrections, improvements, or questions are identified against the drawings, the Contractor shall notify the Buyer using a Request for Clarification (RCI). The Contractor shall describe the issue and provide a proposed resolution. A markup of the drawing may be attached to the RCI if necessary, to communicate the proposed change.

B. The Buyer shall review the proposed change, generate a disposition, and return the RCI to the Contractor. If the Buyer concurs a drawing change is necessary, the Buyer shall identify whether the change will be made via the Contractor’s change control process. Buyer approval of the change control document is required prior to implementation of the change.

C. If the Contractor believes the RCI response constitutes a Contract change, the Contractor shall immediately process a Contract Change Form (A-6004-820) and await receipt of additional written instruction from the Contract Specialist.

D. The Buyer shall collect drawing changes made during the fabrication process (documented on approved Contractor change documents) and issue revised drawings to the Contractor. Final acceptance by the Buyer requires that the actual configuration of each item matches the approved drawing and revision number.

5.0 PERSONNEL REQUIREMENTS

5.1 Training and Qualification

The Contractor is expected to 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 Buyer 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

N/A

6.2.1 Safety Significant/Quality Level 2 Items

N/A

6.2.2 Commercial Grade Dedication

N/A

6.3 Quality Assurance Procurement Requirements

The Contractor shall comply with the Hanford Site Procurement Quality Clauses listed in Table 6.3.

Table 6.3 Procurement Quality Clause List

QA Clause	Description
B10	Quality System for Materials Specifying Testing Per ASME
B13	Fabrication/Inspection/Test Plan
B22	Nonconformance Documentation and Reporting
B25	Certified Weld Inspector (CWI)
B28	Welding Procedures and Qualifications
B31	Non-Destructive Examination Process
B46	Liquid Penetrant Material Certification
B49	Certified Material Test Report
B52	Inspection and Test Report
B58	Calibration Report
B76	Procurement of Potentially Suspect or Counterfeit Items
B79	Certificate of Conformance

6.3.1 Quality Assurance Program Submittal and Pre-Award Survey (B01)

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 Offeror'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 Offeror’s Quality Assurance program prior to contract award. This evaluation may include a survey of quality program implementation at the Offeror’s facilities. If a program change is required, it will be identified to the Offeror prior to contract award. A deficient or inadequate program may be used as the basis to deny award of this contract.

6.3.2 Fabrication/Inspection/Test Plan (B13)

Fabrication/Inspection/Test Plan (Traveler)
The Supplier 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 Purchase Order/ 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 Purchase Order/Contract Order, the Supplier is required to invoke the applicable quality assurance program requirements on the subcontractor.

6.3.3 Nonconformance Documentation and Reporting (B22)

All nonconformances identified at the Supplier's facility with a proposed disposition of "Accept" or "Repair" shall be approved by the Buyer before any corrective action is taken by the Supplier 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 Supplier Nonconformance exists when:

(1) A Purchaser’s technical or material requirement, or a requirement in a Purchaser approved Supplier 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 Supplier on the Supplier'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 Supplier with a disposition of approval or rejection. The Supplier may take corrective action on the nonconformance only after the form is approved.

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

6.3.4 Certified Weld Inspector (CWI) (B25)

Supplier 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.

    NOTE: *The visual acuity results must match the requirements of the fabrication (i.e., CWI shall be tested and achieve a Jaeger J1 acuity.*

3. Visual weld inspection procedures.

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

6.3.5 Welding Procedures and Qualifications (B28)

Welding procedures and personnel shall be qualified in accordance with the applicable AWS or ASME specifications as specified in the Purchase Order/Contract order. The Supplier shall submit copies of all welding procedures, Procedure Qualification Records, and Welder Qualification Records to be employed in the performance of this Purchase Order/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 Purchase Order/Contract Order, the Supplier is required to invoke the applicable quality assurance program requirements on the subcontractor.

6.3.6 Non-Destructive Examination Process (B31)

Nondestructive examination (NDE) personnel shall be qualified and certified in accordance with the recommended guidelines of the American Society of Nondestructive Testing's (ASNT) ANSI/ASNT CP-189 or ASNT SNT-TC-1A, unless otherwise specified in the ordering data.

The Supplier is not authorized to begin fabrication until the following documentation has been reviewed and approved by the Buyer:

a. NDE qualification and certification procedures

b. Personnel Level I, II, and III qualifications and certifications which include objective evidence of NDE training, formal education, examinations, experience, date of hire, and current eye examination.

c. NDE method/examination procedures that are in accordance with the applicable codes/standards specified in procurement documents.

All NDE reports and radiographs shall be traceable to the item examined, include all essential examination parameters, and signed and dated by the NDE examiner. All NDE reports and radiographs shall accompany or precede shipment of material. Radiographs, and radiographic technique and examination reports shall be subject to approval by the Buyer prior to shipment of completed items.

When subcontracting any portion of this Purchase Order/Contract Order, the Supplier is required to invoke the applicable quality assurance program requirements on the subcontractor

6.3.7 Liquid Penetrant Material Certification (B46)

A certification of contaminant content shall be furnished for each batch number of penetrant, cleaner, developer, and emulsifier provided. The certification shall include the test results which meet the requirements of ASME Section V, Article 6, and the latest mandatory addenda or Purchase Order/Contract Order specified addenda. All materials and reports are subject to review and acceptance by the Buyer.

6.3.8 Certified Material Test Report (B49)

The Certified Material Test Report (CMTR) shall include actual results of all chemical analysis, tests, examinations, and treatments required by the material specification and this Purchase Order/Contract order. The CMTR shall be legible, reference applicable specification number and year of edition, and be traceable to the material furnished by heat or lot number. All reports are subject to review and acceptance by the Buyer.

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

6.3.9 Inspection and Test Report (B52)

The Supplier 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 Supplier'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 Calibration Report (B58)

Certification stating the equipment furnished to the Purchase Order/Contract Order requirements have been calibrated utilizing standards whose calibration is traceable to the National Institute of Standards and Technology, or other documented evidence must be submitted stating the basis of the calibration. In addition, the Supplier shall submit a report of actual calibration results. The report shall identify the acceptance criteria of the items submitted and shall meet Purchase Order/Contract Order requirements. The report shall contain the signature of the authorized representative of the agency verifying compliance. One copy of the documentation, unless otherwise specified, shall accompany the applicable item(s) shipped.

6.3.11 Procurement of Potentially Suspect or Counterfeit Items (B76)

Notwithstanding any other provisions of this agreement, the Supplier warrants that all items provided to the Contractor shall be genuine, new, and unused unless otherwise specified in writing by the Contractor. Supplier further warrants that all items used by the Supplier 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 Supplier 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 Supplier'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 Department of Energy officials.

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

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

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

For further information on suspect/counterfeit items, reference the Department of Energy (DOE) Guidance at: SUSPECT/COUNTERFEIT & DEFECTIVE FASTENER INSPECTION (energy.gov)

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 (B79)

The Supplier shall provide a legible/reproducible Certification of Conformance. Supplier's authorized representative responsible for quality shall sign the Certification of Conformance.

This Certification of Conformance shall, as a minimum:

1. Identify the appropriate Purchase Order/Contract Order number under which the material, equipment, item, or service is being supplied.
2. Each Order/shipment shall include a C of C unique to that shipment.
3. The quantity of each Line Item shipped shall be identified on the C of C.
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 also identify any procurement document requirements that have not been met together with an explanation and the means for resolving the nonconformances.
6. The COC shall be signed or otherwise authenticated by a supplier's representative. For OCRWM-related and Quality Level 1 & 2 items and services; the person signing the COC shall be the one who is responsible for this QA function and whose responsibilities and position are described in the supplier's QA program.

One copy of the documentation, unless otherwise specified, shall accompany the applicable

item shipped. For subsequent shipments on this Purchase Order/Contract order, reference may be made to documentation provided with earlier shipments, instead of duplicating such documentation.

7.0 MEETINGS AND SUBMITTALS

7.1 Meetings

Contractor shall participate in the following meetings:

A. 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.

B. 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

C. Any other meetings requested by the Buyer during 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

A. The required submittals for this Contract are listed in Attachment 1, Submittal Register.

B. 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 Instructions for completion of the CDSF are included with the form.

C. 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.

D. Buyer's Document Management & Control System (DMCS) will be used to electronically manage document submittals and RCIs for this Contract. The address to transmit submittals and RCIs to is CPCCORecMgmtProgram@rl.gov.

7.3 Final Data Package

The Contractor shall prepare a final data package containing the quality records listed

A. Nonconformance Documentation (if applicable)
B. NDE/ Welding Reports and Radiographs

C. Liquid Penetrant Material Certification
D. Certified Material Test Report
E. Inspection and Test Report
F. Calibration Report
G. Potential Suspect or Counterfeit Statement for Purchased Items
H. Certificate of Conformance

All documents shall be legible and reproducible to the third generation.

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

8.1 Deliverables

Deliverables under this SOW are

- 3 pieces of Design “A” Assembly
- 3 pieces of Design “B” Assembly
- Final Data Package (Electronic and Hard Copy Binders)

8.2 Project Controls

The Contractor shall provide a detailed baseline schedule covering activities for duration of Contract. The schedule shall 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 Contract.

8.3 Performance Schedule

This Contract will be effective from 08/03/2023 through 10/2/2023.

ATTACHMENT 1 - Submittal Register

Contract Number and Name:						Revision:		
1. No.	2. Type, and Number of Copies	3. Technical Submittal	4. Vendor Information	5. Description / Document Title	6. Submittal Date (Calendar Days)	7. Approver Organizations	8. Buyer Review Time (Work Days)	9. Contract Paragraph or Requirement Reference
1	APW, PDF	Yes	No	Quality Assurance Program Manual	With Proposal	BTR/ Contract Specialist	5	6.3.1
2	APW, PDF	Yes	No	Fabrication/Inspection/Test Plan (Traveler)	10 days after award	BTR/ Contract Specialist	5	6.3.2
3	PDF	Yes	No	Nonconformance Documentation (if applicable)	5 days after completion	BTR/ Contract Specialist	5	6.3.3
4	APW, PDF	Yes	No	Certified Weld Inspector Documentation: A. Current AWS CWI certificates. B. Current and valid visual acuity examination. The examination must be performed annually. C. Visual weld inspection procedures.	10 days after award	BTR/ Contract Specialist	5	6.3.4

Contract Number and Name:						Revision:		
1. No.	2. Type, and Number of Copies	3. Technical Submittal	4. Vendor Information	5. Description / Document Title	6. Submittal Date (Calendar Days)	7. Approver Organizations	8. Buyer Review Time (Work Days)	9. Contract Paragraph or Requirement Reference
5	APW, PDF	Yes	No	Welding Procedures and Qualifications: A. Welding Procedures B. Procedure Qualification Records C. Welder Qualification Records	10 days after award	BTR/ Contract Specialist	5	6.3.5
6	APW, PDF	Yes	No	NDE: A. NDE qualification and certification procedures B. Personnel Level I, II, and III qualifications and certifications which include objective evidence of NDE training, formal education, examinations, experience, date of hire, and current eye examination	10 days after award	BTR/ Contract Specialist	5	6.3.6

Contract Number and Name:						Revision:		
1. No.	2. Type, and Number of Copies	3. Technical Submittal	4. Vendor Information	5. Description / Document Title	6. Submittal Date (Calendar Days)	7. Approver Organizations	8. Buyer Review Time (Work Days)	9. Contract Paragraph or Requirement Reference
				C. NDE method/examination procedures that are in accordance with the applicable codes/standards specified in procurement documents.				
7	PDF	Yes	No	NDE/ Welding inspection reports and radiographs	5 days after completion	BTR/ Contract Specialist	5	6.3.6
8	PDF	Yes	No	Liquid Penetrant Material Certification	5 days after completion	BTR/ Contract Specialist	5	6.3.7
9	PDF	Yes	No	Certified Material Test Report	5 days after completion	BTR/ Contract Specialist	5	6.3.8
10	PDF	Yes	No	Inspection and Test Report	5 days after completion	BTR/ Contract Specialist	5	6.3.9
11	PDF	Yes	No	Calibration Report	5 days after completion	BTR/ Contract Specialist	5	6.3.10
12	PDF	Yes	No	Potential Suspect or Counterfeit Statement for Purchased Items	5 days after completion	BTR/ Contract Specialist	5	6.3.11

Contract Number and Name:						Revision:		
1. No.	2. Type, and Number of Copies	3. Technical Submittal	4. Vendor Information	5. Description / Document Title	6. Submittal Date (Calendar Days)	7. Approver Organizations	8. Buyer Review Time (Work Days)	9. Contract Paragraph or Requirement Reference
13	PDF	Yes	No	Certificate of Conformance	5 days after completion	BTR/ Contract Specialist	5	6.3.12
14	APW, PDF	No	No	Delivery Schedule	With Proposal	BTR/ Contract Specialist	5	8.2
15	APW, PDF	Yes	No	Cleaning Procedure	10 days after award	BTR/ Contract Specialist	5	

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

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 (Buyer will approve the Contractor's submittal prior to the Contractor being authorized to proceed with any activity/work associated with the submittal).
AP = Approval Required (Buyer will approve the Contractor's submittal; however, work associated with the submittal may proceed prior to Buyer 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 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.
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, and Waste Management.
8. The number of Workdays required for review of the submittal.
9. Contract Reference: Cross reference to the Contract requirement that defines this submittal: