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RIVER PROTECTION PROJECT – WASTE TREATMENT PLANT
ENGINEERING SPECIFICATION
FOR
SUPPLIER QUALITY ASSURANCE PROGRAM REQUIREMENTS

Content applicable to ALARA? Yes No

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Revision History

Revision	Reason for Revision
0	Issue for Use
1	Update to QAM requirements and incorporated SCNs 24590-WTP-3PN-G000-00004, as modified by updated QAM, and 24590-WTP-3PN-G000-00025. Added new section 2 - Definitions; renumbered remaining sections accordingly. Modify section 1 and section 6 (formerly section 5) titles to align with required format; renumber former section 5 (new section 6) to paragraph 5.1 (now 6.1). Modified paragraphs 4.1 and 4.2 to clarify submittal requirements.

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1 Scope

- 1.1 This specification establishes the quality assurance (QA) program requirements for Suppliers of items or services as specified in the procurement documents.
- 1.2 This specification does not delete or revise (but is in addition to) those requirements defined by the procurement documents. If a Supplier believes that an inconsistency exists between this specification and the procurement documents and referenced codes and standards, the Supplier shall immediately notify the Buyer requesting resolution.

2 Definitions

- 2.1 **Buyer** - Bechtel National, Inc.
- 2.2 **Owner** - the organization legally responsible for the construction and/or operation of a nuclear facility including but not limited to one who has applied for, or who has been granted, a construction permit or operating license by the regulatory authority having lawful jurisdiction.

3 General Program Requirements

- 3.1 The term Supplier, as used herein, includes bidder, seller, vendor, fabricator, manufacturer, contractor and subcontractor, and consultant whose services are obtained through an agreement for technical services.
- 3.2 The Supplier shall establish and implement a QA program that conforms to the requirements specified on the applicable Supplier Quality Assurance Program Requirements Data Sheet, or as specified by the material requisition or technical specification if a data sheet is not provided, and to the other applicable codes and standards as cited in the technical specification. These QA requirements shall apply to all aspects of the work necessary for carrying out this contract, including design, procurement, fabrication, installation, and testing.

4 Additional Requirements

- 4.1 At the time of the bid proposal, the Supplier shall submit an uncontrolled copy of their Quality Assurance Program Document(s) which defines the program they will follow to meet this specification and the applicable Supplier Quality Assurance Program Requirements Data Sheet, applicable portion of the material requisition or technical specification. If the Supplier's quality assurance manual has been previously submitted, the Supplier shall update it to make it current or submit a statement that the quality assurance manual has not changed since the previous submittal and identify the purchase order with which it was submitted.
- 4.2 At the time of Purchase Order, Contract, Subcontract, or other written agreement, the Supplier shall submit an uncontrolled copy of their Quality Assurance Program Document(s) which defines the program they will follow to meet this specification in accordance with the Supplier Quality Assurance Program Requirements Data Sheet, applicable portion of the material

requisition or technical specification. If the Supplier's quality assurance manual has been previously submitted, the Supplier shall update it to make it current or submit a statement that the quality assurance manual has not changed since the previous submittal and identify the purchase order with which it was submitted.

- 4.3 The Buyer may accept, or accept with comments, the Supplier's QA program documents(s). The Supplier may proceed only with those activities related to the QA program elements that are acceptable. Authorization to proceed with additional activities will be granted only after acceptable changes to their QA documents have been agreed to and implemented by the Supplier. All changes to the buyer-approved supplier QA program must be submitted to the Buyer for review and approval prior to implementation.
- 4.4 If the Supplier's function is limited to placing the order with the actual manufacturer, the Supplier shall be responsible for providing an uncontrolled copy of the manufacturer's QA program manual to the Buyer and shall ensure that the manual meets the requirements outlined in this specification. If the Supplier will store, repackage, or in any way handle the items before shipment to the Buyer, the Supplier shall submit their QA program manual in addition to the manufacturer's QA program manual. The manufacturer's and Supplier's QA program documents must meet the requirements, as outlined in this specification, that pertain to the work each organization performs.
- 4.5 Acceptance of a Supplier's program by the Buyer does not relieve the Supplier of the obligation to comply with the requirements of the procurement documents, including this specification. If the quality program is subsequently found to be ineffective or inadequate in providing acceptable quality, the Buyer reserves the right to require necessary revisions. All changes to the Buyer-approved supplier QA program must be submitted to the Buyer for review and approval prior to implementation.
- 4.6 The Supplier shall identify and document conditions that do not meet the requirements of the Buyer procurement document(s) and / or the Buyer accepted Supplier document(s). Those deviations, along with the Supplier's suggested corrective actions, shall be transmitted to the Buyer on the Supplier Deviation Disposition Request (SDDR) Form for review and disposition. Any deviation is considered unacceptable until approved by the Buyer in writing. Detailed instructions are provided as part of the SDDR Form, a copy of which is attached to the purchase order.
- 4.7 The Supplier shall submit an SDDR, including supporting technically valid information that is sufficient for evaluation, to the Buyer with a copy (and attachments, if any) to the Buyer's Supplier Quality Representative (SQR) within five working days after detection of the nonconforming condition. If this time limit cannot be met, notification by telephone, e-mail, or another appropriate means is acceptable, at which time a revised submittal date shall be established. SDDRs prepared by lower-tier organizations shall be submitted through the Supplier to the Buyer. The Buyer will complete action on the SDDR and return a copy with applicable attachments to the Supplier. Where indicated, the Supplier or the Buyer shall revise documents to reflect the changed condition.

A copy of the completed SDDR (including attachments) shall be included by the Supplier in the Quality Verification data package for the item(s) to which it applies. The SDDR is considered complete when all entries are made including the Buyer's Engineering approval and the appropriate verification signatures by the Supplier and the Buyer SQR.

- 4.8 Engineering and quality verification documents shall be submitted to the Buyer in accordance with the provisions of the procurement package. All quality related records, procedures, and qualifications shall be available for examination by the Buyer, the Buyer's authorized agent, and / or Owner. No quality related records shall be destroyed or otherwise disposed of without written permission of the Buyer until all items required by the procurement documents have been delivered and final payment has been received. The Seller may be required to retain, for a limited time, certain records that are not transmitted to the Buyer. Record identification and retention time for these records, if required, will be covered by the procurement documents.

5 Quality Surveillance

- 5.1 All designing, procuring, manufacturing, processing, assembling, testing, examination, inspection, documenting, handling, storage, cleaning, packaging, shipping, and preservation performed by the Supplier and their lower-tier Suppliers are subject to surveillance by the Buyer or the Buyer's authorized agent and / or the Owner. This surveillance shall in no way relieve the Supplier of any contractual requirements.

NOTE: The term Surveillance, here, may include inspection, survey, and / or audit.

- 5.2 The Buyer or Owner or their designee(s), shall be given free access to the Supplier's and Sub-supplier's facilities to perform surveillance on work in all phases of designing, manufacturing, testing, documentation reviewing, and shipping.
- 5.3 The Supplier shall provide a copy of their work inspection and test plan per the procurement documents to the Buyer for review and concurrence. The Supplier shall give the Buyer's SQR at least five (5) working days prior notice of all tests, and other check points in the manufacturing program specifically requested by the Buyer, after a joint review of Supplier's work plan(s) and procurement documents.
- 5.4 If requirements of this specification or other procurement documents or requirements have not been fulfilled, the Buyer's SQR has the authority to refuse to "release for shipment".

6 Applicable Documents

6.1 Codes and Standards (as imposed)

ASME NQA-1, 2000, Part I and SubPart 2.7, *Quality Assurance Requirements for Nuclear Facility Applications*, American Society of Mechanical Engineers, New York, New York.

ASME NQA-1, 2004, Section 702(a), *Quality Assurance Requirements for Nuclear Facility Applications*, American Society of Mechanical Engineers, New York, New York.

DOE/RW-0333P, Rev. 18, *Quality Assurance Requirements and Description (QARD)*, Washington, D.C.

DOE O 414.1C, *Quality Assurance*, Washington, D.C.