

Part I – The Schedule

Section E

Inspection and Acceptance

E.1 Clauses Incorporated by Reference – Section E

Clauses at the beginning of this Section are incorporated by reference, with the same force and effect as if they were given in full text. Clauses incorporated by reference which require a fill-in by the Government include the text of the affected paragraph(s) only. This does not limit the clause to the affected paragraph(s). The Contractor is responsible for understanding and complying with the entire clause. The full text of the clause is available at the address contained in Section I clause FAR 52.252-2 Clauses Incorporated by Reference, of this contract.

Clause Number	FAR Reference	Title	Fill-In Information; See FAR 52.104(d)
E.1.1	FAR 52.246-2	Inspection of Supplies – Fixed-Price (Aug 1996) (Applies to FFP Task Orders only)	
E.1.2	FAR 52.246-3	Inspection of Supplies – Cost-Reimbursement (May 2001) (Applies to CR Task Orders only)	
E.1.3	FAR 52.246-4	Inspection of Services – Fixed-Price (Aug 1996) (Applies to FFP Task Orders only)	
E.1.4	FAR 52.246-5	Inspection of Services – Cost-Reimbursement (Apr 1984) (Applies to CR Task Orders only)	
E.1.5	FAR 52.246-11	Higher-Level Contract Quality Requirement (Dec 2014)	See Fill-In below table for paragraph (a).
E.1.6	FAR 52.246-12	Inspection of Construction (Aug 1996) (Applies to FFP construction work only)	
E.1.7	FAR 52.246-13	Inspection – Dismantling, Demolition, or Removal of Improvements (Aug 1996)	
E.1.8	FAR 52.246-16	Responsibility for Supplies (Apr 1984)	
CR = Cost Reimbursement		FAR = Federal Acquisition Regulation	
FFP = Firm-Fixed-Price			

Fill-In (QA Contract Clause Fill-In with QARD):

- (a) The Contractor shall comply with the higher-level quality standard(s) listed below.

Quality Assurance Program (QAP) compliant with DOE O 414.1D, Change 1, *Quality Assurance*, for all facilities and activities. Additionally, nonreactor nuclear facilities (as defined in 10 CFR 830, *Nuclear Safety Management*, Section 830.3, *Definitions*) must be compliant with 10 CFR 830, *Nuclear Safety Management*, Subpart A, *Quality Assurance Requirements*. NRC regulated Independent Spent Fuel Storage Installations (ISFSI) per NRC Licences #xxxx shall be managed using a QAP compliant with the Quality Assurance Requirements and Description (QARD) (DOE/RW-0333P). The Contractor shall utilize the Contractor Assurance System (CAS) per DOE O 226.1B, *Implementation of Department of Energy Oversight Policy*, to monitor and evaluate all work performed under this Contract, including work of subcontractors, to ensure work performance meets the applicable requirements for environment, safety, and health, including quality assurance and integrated safety management; safeguards and security; cyber security; and emergency management.

The QAP must describe how the quality assurance criteria from DOE O 414.1D, 10 CFR 830, Subpart A, and the Quality Assurance Requirements and Description (QARD) (as applicable) are satisfied. The Contractor shall use voluntary consensus standards in the development and implementation of the QAP, where practicable and consistent with contractual and regulatory requirements. Where appropriate, the Contractor must use a graded approach to implement the QAP that is commensurate with hazards, lifecycle of facilities and other risks. The basis of the graded approach utilized shall be documented, and submitted to U.S. Department of Energy (DOE) for approval.

- (1) For Hazard Category 1, 2, and 3 nuclear facilities:
 - (i) Existing facilities, or new facilities and major modifications to existing facilities achieving Critical Decision 1 (CD-1) prior to May 8, 2013 may continue to use the consensus standard cited in the DOE-approved QAP.
 - (ii) New facilities and major modifications to existing facilities achieving CD-1 use American Society of Mechanical Engineers (ASME) NQA-1-2008, *Quality Assurance Requirements for Nuclear Facility Applications*, with the NQA-1a-2009, *Quality Assurance Requirements for Nuclear Facility Applications Addenda 1a* (or a later edition), *Quality Assurance Requirements for Nuclear Facility Applications*, Part I and applicable requirements of Part II.

Note: where NQA-1, Part II language uses the terms “nuclear power plant” or “nuclear reactor”, these terms are considered equivalent to the term “nuclear facility.”
 - (iii) Consensus standard(s) that provide an adequate level of quality assurance and meet the intent of paragraph (ii) above may be used. The QAP must document how the selected consensus standard is (or a set of consensus standards are) used, as well as how the selected consensus standard(s) is appropriate.
- (2) For other activities and facilities (e.g., less than Hazard Category 3, non-nuclear, or chemically hazardous), the Contractor shall use, in whole or in part, appropriate standards. Examples of appropriate standards include:
 - (i) ASME NQA-1a-2009 addenda (or later edition), *Quality Assurance Requirements for Nuclear Facility Applications*, Part I and applicable requirements of Part II;
 - (ii) ASME NQA-1-2000, *Quality Assurance Requirements for Nuclear Facility Applications*, Part I and applicable requirements of Part II;
 - (iii) American National Standards Institute (ANSI)/International Organization for Standardization (ISO)/American Society for Quality (ASQ) Q9001-2008 (or later edition), *Quality Management System - Requirements*; and
 - (iv) ANSI/ASQ Z 1.13-1999 (or later edition), *Quality Guidelines for Research*.
- (3) For NRC regulated Independent Spent Fuel Storage Installations (ISFSI) the Contractor shall use, in whole or in part:
 - (i) DOE/RW-0333P *Quality Assurance Requirements and Description (QARD)* Revision 10.
 - (ii) 10 CFR 72 subpart G - *Licensing Requirements for the Independent Storage of Spent Nuclear Fuel, High-Level Radioactive Waste, and Reactor-Related Greater Than Class C Waste (Quality Assurance)*
- (4) High Level Waste/Used Nuclear Fuel (HLW/UNF)
 - (i) DOE/RW-0333P *Quality Assurance Requirements and Description (QARD)* Revision 20.

E.2 DOE-E-2001 Inspection and Acceptance (Oct 2014)

Inspection and acceptance of all items under this contract shall be accomplished by the Contracting Officer in accordance with the clauses listed in this Section. If the Contracting Officer assigns this responsibility to the Contracting Officer’s Representative or another representative of the Government, the Contracting Officer shall notify the Contractor in writing.