
INSPECTION MANUAL CHAPTER 2694 APPENDIX A

FUEL FACILITY CONSTRUCTION INSPECTION PROGRAM— CONSTRUCTION AND PRE-OPERATIONAL INSPECTION PROCEDURES

Effective Date: 06/24/2025

See Inspection Manual Chapter (IMC) 2683, "Material Control and Accounting Inspection of Fuel Cycle Facilities," for a complete list of material control and accounting inspection procedures (IPs).

See appropriate IMCs for a list of physical security and information security IPs.

See IMC 2600, Appendix B, "NRC Core Inspection Requirements," Tables 1, 2, and 3, for pre-operational procedures.

IPs may be added or deleted as required. Portions of these IPs will not apply to the fuel cycle facility being constructed and the applicable sections should be specified in the inspection plan.

Construction Inspection Procedures

IP 88200, Inspections of Safety Significant Items and Services During Construction of Fuel Cycle Facilities

Appendix A:	Foundations and Buildings
Appendix B:	Structural Concrete
Appendix C:	Structural Steel and Supports
Appendix D:	Piping Systems
Appendix E:	Pipe Support and Restraints
Appendix F:	Mechanical Components
Appendix G:	Electrical Cable
Appendix H:	Electrical Components and Systems
Appendix I:	Ventilation and Confinement Systems
Appendix J:	Instrumentation and Control Systems
Appendix K:	Welding
Appendix L:	Fire Protection Systems
Appendix M:	Inspection of Digital Instrumentation and Control System/Software Design

Management Measures Inspection Procedures

IP 88201, Inspections of Management Measures During Construction of Fuel Cycle Facilities

Appendix A:	Configuration Management (CM)
Appendix B:	Maintenance
Appendix C:	Training and Qualification
Appendix D:	Procedures

Appendix E: Audits and Assessments
Appendix F: Incident Investigations
Appendix G: Records Management
Appendix H: Other Quality Assurance (QA) Elements (1-18) (as applicable)

Pre-Operational Inspection Procedures

IP 88202: Inspections of Operational Readiness During Construction of Fuel Cycle Facilities

Inspection procedures listed in IMC 2600 Appendix B: "NRC Core Inspection Requirements," Tables 1, 2, and 3. These include IPs for:

- SAFETY OPERATIONS (e.g., criticality safety)
- SAFEGUARDS (e.g., material control and accounting, physical security, classified material and information security also known as INFOSEC)
- RADIOLOGICAL CONTROLS (e.g., radiation protection, environmental protection)
- FACILITY SUPPORT (e.g., emergency preparedness, plant modifications)
- As Needed Inspection Procedures

END

List of Attachments:

Attachment 1: Revision History for IMC 2694 Appendix A

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Commitment Tracking Number	Accession Number Issue Date Change Notice	Description of Change	Description of Training Required and Completion Date	Comment Resolution and Closed Feedback Form Accession Number (Pre-Decisional Non-Public Information)
N/A	ML25030A114 06/24/25 CN 25-020	Construction Inspection Update: Major revision, including at-risk construction, use of Open Items, new Appendix C: "Principal Inspection Plan (PIP) Creation," and reference to three new construction inspection procedures: IP 88200, IP 88201, and IP 88202. Updates also made for RII reorganization.	N/A	N/A