
INSPECTION PROCEDURE 75100

ADVANCED REACTOR CONSTRUCTION OVERSIGHT PROGRAM (ARCOP) SECURITY INSPECTION PROGRAM

Effective Date: October 20, 2026

PROGRAM APPLICABILITY: IMC 2203

STRATEGIC PERFORMANCE AREA: Security and Safeguards

75100-01 INSPECTION OBJECTIVES

- 01.01 The objective of this inspection procedure (IP) is to gather information to determine whether a permit or license holder has met the objective of the security cornerstone, which is to provide assurance that construction activities are not adversely impacted by fitness-for-duty issues and that the permit or license holder's security program uses a defense-in-depth approach and is ready to protect against the design basis threat of radiological sabotage.
- 01.02 To determine, pursuant to 10 CFR 50.57(a)(1), that the construction of the facility has been substantially completed in conformity with the construction permit and the application (as amended), the provisions of the Atomic Energy Act (as amended), and the rules and regulations of the Commission; to support a recommendation for issuing an operating license, when an advanced reactor plant is licensed under 10 CFR Part 50.
- 01.03 To support the Commission's determination, in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 52.103(g), that the acceptance criteria in the combined license have been met, for an advanced reactor plant licensed in accordance with 10 CFR Part 52.

75100-02 GENERAL GUIDANCE

02.01 Inspection Requirements

The ARCOP staff developed guidance to give the inspector(s) an acceptable approach to address inspection requirements. Inspectors should not view the recommended actions contained in the guidance section as mandatory but rather as an acceptable method for evaluating permit or license holder programs to provide high assurance that the permit or license holders are meeting NRC regulatory requirements within the security program area undergoing audit or inspection. Should questions arise about procedural requirements or guidance, the inspector(s) should consult with the Office of Advanced Reactors/Division of Advanced Reactor Programs/Advanced Reactor Oversight Branch project management.

Pursuant to Inspection Manual Chapter (IMC) 2203, "Inspection and Audit of the 'Security and Safeguards' Strategic Performance Area of the Advanced Reactor Construction Oversight Program (ARCOP)," construction and operational program security inspection requirements are identified in the following inspection area attachments to this IP:

<u>IP Designation</u>	<u>IP Title</u>
75100.01	Access Authorization During Construction of Advanced Reactors
75100.02	Access Control During Construction of Advanced Reactors
75100.03	Performance Evaluation Program During Construction of Advanced Reactors
75100.04	Security Equipment Performance, Testing, and Maintenance During Construction of Advanced Reactors
75100.05	Protective Strategy Evaluation During Construction of Advanced Reactors
75100.06	Protection of Safeguards Information During Construction of Advanced Reactors
75100.07	Security Training During Construction of Advanced Reactors
75100.08	Fitness-for-Duty During Construction of Advanced Reactors
75100.09	Cybersecurity During Construction of Advanced Reactors: Pre-Fuel Arrival
75100.10	Security Organization, Management Effectiveness, Program Reviews and Audits During Construction of Advanced Reactors
75100.11	Material Control and Accounting (MC&A) During Construction of Advanced Reactors
75100.14	Review of New Power Reactor Target Sets During Construction of Advanced Reactors
75100.15	Cybersecurity Inspection During Construction of Advanced Reactors: Pre-Operations

02.02 Program Implementation

The Advanced Reactor Construction Oversight Program (ARCOP) is a comprehensive framework that is performance-based, technology-inclusive, risk-informed, and scalable. It is designed to align with the unique features of various proposed new and advanced reactor technologies. This framework can be adapted to different plant designs, ensuring that the level of construction oversight is appropriately scaled to protect public health, safety, and the common defense and security.

The inspection steps in the listed attachments describe the recommended actions to complete inspection objectives. Inspections may include, but are not limited to, inspecting systems, components, records, procedures, programs, and operations.

02.03 Risk-Informed Inspection

Inspection activities are categorized into Tier I, II, or III based on their significance to the overall security program. Tiers are a categorization process based on each program element's importance to overall physical security of the site. Tier I elements are the most significant, and Tier III are the least significant.

02.04 Scalable Inspection Scope

The ARCOP baseline security inspection program is designed to be scalable, aligning the inspection footprint with the expected risk level of advanced reactor facilities. It incorporates flexibility for efficient execution.

75100-03 INSPECTION RESOURCES

Inspection resources are dependent upon the specific inspection procedure and project scoping matrices. The ARCOP program managers can provide more details on project-specific inspection hours.

END

Attachment 1: Revision History for IP 75100

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Commitment Tracking Number	Accession No. Issue Date Change Notice	Description of Change	Description of Training Required and Completion Date	Comment Resolution and Closed Feedback Form Accession No. (Pre-Decisional, Non-Public Information)
N/A	ML26286A319 10/20/26 CN 26-048	Initial issuance.	N/A	ML25338A194