

## **RADIATION PROTECTION (RP)**

### **OBJECTIVE**

**RP.1** The TA-55 SST Facility has a radiation protection program in-place to ensure adequate radiation protection for the worker and the public. (*Core Requirements 2, 8, 11*)

### **Criteria**

1. Radiation exposure to workers and the public is minimized through implementation of the as low as reasonably achievable (ALARA) concept and radiological work permits (RWPs).
2. The generation and spread of radioactive contamination is minimized through radioactive contamination control, radioactive effluent control, and RWPs
3. A radiological control technician (RCT) will oversee operations that involve handling storage containers and provide radiation protection support, as required.
4. Radiation monitoring will be provided when appropriate. An RCT will determine appropriate types and locations of the monitors in accordance with Laboratory standards and procedures.
5. Personal protection equipment will be used when required. An RCT will determine the appropriate protective equipment based on an evaluation of the work process.

### **Approach**

**Record Reviews:** Review Laboratory standards, procedures, and RWPs to verify the criteria are met.

**Performance Demonstration:** Observe operations or simulated operations to validate radiation protection practices are ALARA.

**Personnel Interviews:** Interview RCTs, operations and line management personnel to validate their understanding of the radiological controls established at the TA-55 SST Facility.