

INTERNAL ASSESSMENT REPORT

Internal Review of Radioactive Source Use and Storage

Start Date	End Date	Area Assessed
1/24/2022	2/24/2022	Buildings where radioactive sources are used and stored

Assessment Team

Name	Role ¹ (L, A, O)	Fermi ID#
Kathy Graden	Lead	08304N
Dan Curatolo	A	15611N

¹ Role on assessment team: L=Lead, A=Assessor, O=Observer

Interviewees

Name	Title
Source Monitors/Users	Various

Assessment Type

- | | |
|--|---|
| <input type="checkbox"/> QA Assessment
<input checked="" type="checkbox"/> Line Organization Self-assessment
<input type="checkbox"/> Management System Assessment | <input type="checkbox"/> Tripartite Assessment
<input type="checkbox"/> Triennial Assessment
<input type="checkbox"/> FESHCom Assessment
<input type="checkbox"/> Other: |
|--|---|

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Report

Title

Internal Review of Radioactive Source Use and Storage.

Scope

This internal review focuses on source monitor training, condition of sources, source listing cross-check, access log entries, radiological postings, and source box locations.

Criteria

10 CFR Part 835.1202, FRCM Chapter 4, Part 3.

Report

All locations where sealed radioactive sources are used and stored were evaluated using Review Checklist for Sealed Source Use and Storage (R.P. Form # 106). Items reviewed include the following items taken directly from R.P. Form # 106:

1. Does the sealed source inventory list match the actual inventory of sources in the box, in use, or installed in equipment? *No discrepancies were identified.*
2. Are tags/labels attached to sources intact and clearly visible? *No discrepancies were identified.*
3. Are sources being signed in and out on the source access log correctly? *Several locations do not have sources in source boxes due to limited operations mode, maximum telework. All access logs reviewed were being completed correctly.*
4. Source monitor names & Fermi IDs who are making entries to access log & verify training is current. *No discrepancies were identified.*
5. Are radiological postings on equipment with sources installed correctly? *Caution, Radioactive Material label was added to apparatus in Lab A North Clean Room.*
6. Are radiological postings on the source box and in the area where sources are used correct? *No discrepancies were identified.*
7. Are you able to observe an individual using a sealed source? *No. There were very few source users on-site since the laboratory is in maximum telework phase.*
8. Is location of source box co-mingled with eating or drinking areas? *No discrepancies were identified.*

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Results

(Describe items found and categorize according to definitions below.)

Item Types

Non-conformance - The nonfulfillment of a specified requirement. This is limited to substantive issues that are worthy of being addressed. Word them as **statements of fact** rather than instructions.

Management Concern - An issue that management has identified as a concern requiring action to be taken to mitigate associated risk.

Recommendation - A suggestion or proposal for the best course of action to take on the identified topic.

Opportunity for Improvement - Suggestion on how to improve the identified topic.

Best Practice - A positive example of a work process or innovative approach with the potential to be the basis for significant operational improvements or cost savings.

Lesson Learned - A best practice that is captured and shared to promote repeat application, or an adverse work practice or experience that is captured and shared to prevent recurrence.

Non-Conformances

None

Management Concerns

None

Recommendations

None

Opportunities for Improvement

1. Review Source Access Log (R.P. Form #37) to determine if the form needs to be updated.

Best Practices

None

Documents Reviewed

(List procedures, manuals, forms, etc. reviewed.)

1. Fermilab Sealed Radioactive Source Access Log (R.P. Form # 37).
2. Persons Qualified to Use Radioactive Sources list to verify training.

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3. Fermilab Radioactive Source Inventory Field Copy dated 1/18/2022.