

RPR 50B – Radiation Laboratory Evaluation
Dispersible Radioactive Materials Revision 1

Authorized User: _____

Permit #: _____

Building: _____

Room(s): _____

Preliminary Review

1. Review the Authorized Users permit inventory and compare with HPAssist.
 - a. Was the 6-month inventory successfully completed?
 - b. Have there been any additions to the inventory since it was last completed?
 - i. If yes, select a sample of inventory items to verify and note them in the following table.

HPA Inventory			
HPA Number	Radionuclide(s)	Activity [mCi]	Storage Location

- c. Have there been any removals from the inventory since it was last completed?
 - d. Is the Authorized Users inventory up to date?

Comments:

2. Does the AU have Radiological Work Permit (RWP's)?
 - a. List the RWPs
 - b. Has the scope of the Authorized Users research changed since the last inspection?
 - c. Do the RWPs provide sufficient controls commensurate with the approved research activities?
 - d. Are the current RWPs posted?
3. Are there any leak testable sources in the laboratory?
 - a. Have leak tests been performed at the required frequency?
 - b. Are there any leaking sources?

RPR 50B – Radiation Laboratory Evaluation
Dispersible Radioactive Materials Revision 1

4. Has dosimetry been issued to the Authorized User or laboratory workers?
5. Are the Authorized User and laboratory workers current on their Radiation Safety Training?
6. What are the permitted survey frequencies?
 - a. User Survey:
 - b. Radiation Safety Survey:
7. Are surveys being performed at the required frequencies?
8. Has the Authorized User been assigned radiation detection instruments?

RPR 50B – Radiation Laboratory Evaluation
Dispersible Radioactive Materials Revision 1

1.0	Postings, Labels, and Signs	Yes	No	NA
1.1	Do all entrance doors have Chimera signs or equivalent?			
1.2	Are Chimera door signs complete and current?			
1.3	Are the current NRC Notice to Employees posted in English and Spanish?			
1.4	Is the Documents Notice posted?			
1.5	Is the current Radiation Safety call list posted?			
1.6	Are radiation/x-ray/laser signs posted where required?			
1.7	Are radioactive material storage areas labeled and the posting is current?			
1.8	Are all signs in good and legible condition?			
1.9	Is the most recent radiation safety survey posted in the laboratory?			

2.0	Facilities	Yes	No	NA
2.1	Are work areas uncluttered and adequate for approved procedures?			
2.2	Are trays, secondary containers, and absorbent paper in use?			
2.3	Are radioactive material handling areas designated with 'radioactive materials' tape?			
2.4	Are fume hoods present in the laboratory?			
2.5	Have all fume hoods been certified within the last 12 months?			
2.6	Are fume hoods free from obstructions and uncluttered?			
2.7	Are laboratory vacuum systems used with radioactive materials correctly filtered?			

3.0	Materials Use and Handling	Yes	No	NA
3.1	Is PPE available and in use when handling dispersible RAM or leak testable sources?			
3.2	Are shorts, skirts, & open toed shoes prohibited with radioactive material handling?			
3.3	Does the Authorized User prohibit smoking, eating, drinking, etc., in the laboratory?			
3.4	Are researchers practicing ALARA controls appropriately?			
3.5	Are dosimeters in use when required and worn appropriately?			
3.6	Is shielding and long reach tools available and in use when necessary?			
3.7	Does the Authorized User have specific procedures for handling radioactive material(s)?			
3.8	Are user surveys performed at the frequency specified in the permit?			

4.0	Material Accountability & Security	Yes	No	NA
4.1	Are all sources labeled with serial number, HPAssist ID, or EQ?			
4.2	Are source sign out logs from RS-23 in use at each storage location?			
4.3	Are all radioactive materials stored behind single/double barriers as required?			
4.4	Are all entrance doors locked if unattended?			
4.5	Were any discrepancies found between the HPA inventory and the verification?			

RPR 50B – Radiation Laboratory Evaluation
Dispersible Radioactive Materials Revision 1

5.0	Records	Yes	No	NA
5.1	Are RAM use and user surveys logged and recorded after handling dispersible radioactive material(s)?			
5.2	Do material handling records indicate air sampling or bioassay (200 ALI per day) was required? If so, was it performed and recorded as specified in RS-11?			
5.3	Are instrument response check records present for assigned instrument(s)?			
5.4	Do the instrument response check records coincide with the material use logs?			
5.5	Are laboratory specific training records on file for all laboratory workers?			

6.0	Instruments	Yes	No	NA
6.1	Are all instruments used for compliance calibrated, ranged, and operating correctly?			

7.0	Radioactive Waste	Yes	No	NA
7.1	Is radioactive waste present in the laboratory?			
7.2	Is the waste being segregated and stored appropriately?			
7.3	Are waste containers properly labeled?			
7.4	Are waste containers and clear plastic bags from radiation safety being used?			
7.5	Are waste addition logs in use for all waste containers?			
7.6	Are liquid wastes stored in secondary containers?			
7.7	Is mixed waste present in the laboratory?			
7.8	Has written permission been obtained to generate mixed waste?			

Item #	Comment

RPR 50B – Radiation Laboratory Evaluation
Dispersible Radioactive Materials Revision 1

General Comments

Performed By: _____

Date: _____