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Radiation Protection Services (RPS) Training Update

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Senior Investigator last minute Radiation Safety check list ABC's--- "all ready for NYSDOH/BERP AUDIT but not yet"

- A.**
1. Radiation and Radioactive Materials areas posted
 2. Visitor's procedures followed
 3. Film Badges worn by employees where appropriate
 4. Restricted areas segregated from unrestricted
 5. Gloves, safety glasses and lab coats worn when handling radioactive material
 6. No smoking, eating, etc. in restricted areas
 7. Shielding used where appropriate throughout the lab
 8. Radioactive materials containers labeled
 9. Hands and feet monitored
 10. Volatile materials handled and stored in hood
 11. Incoming packages surveyed/wipe tested with results documented
 12. DIS waste segregated by half-life; records on file
 13. Lab coats surveyed prior to cleaning
 14. DOT Type 7A shipping containers always used
 15. All areas surveyed per license and/or regulations
 16. Work areas covered with absorbent paper
 17. Packages delivered to authorized locations
 18. Waste monitored and labels defaced prior to disposal as regular trash; records maintained
 19. Outgoing packages surveyed through RPS, labeled, wipe tested and absorbent materials placed in all containers holding liquid radioactive material
 20. All radionuclides in lab within possession limits
 21. Documented reporting system for incidents available
 22. Work place authorizations as presented in license application or in amendments.
 23. Restricted area properly secured during business and non-business hours
- B. Instruments** All survey instruments operable and properly calibrated.

C. Records Review

1. Radiation Safety logbook available for inspection
2. Radiation Safety logbook to be kept up-to-date
3. Corrective actions from last inspection completed
4. Notice to Employees sign posted
5. Emergency procedures posted

D. Personnel Protection – External /ALARA

1. Personnel monitoring
2. Minimize exposure [time, distance, shielding]
3. Levels controlled in unrestricted areas
4. Exposure to minors – students (100 mr/hr)
5. Records of monitoring, surveys, disposals

E. Personnel Protection - Internal

1. Airborne concentrations in restricted areas
2. Limit exposure to minors - students
3. Posting of airborne areas
4. Bioassay requirements
5. Leak tests of sealed sources

F. Effluent Control, Waste disposal

1. Release of effluents - keep records; secondary, tertiary washings only
2. Follow Radioactive Waste Management Program
3. Follow Decay-in-Storage [DIS] Waste Management Program; keep records

G. Final word : Call the RSO at 2-9674 if you have any last minute items to discuss or resolve (i.e. old RAM stock vials, Rad Logbook issues , lead pig waste).

Dose Limits

- 5,000 mrem/ year – whole body exposure
- 50,000 mrem/year – skin dose equivalent
- 15,000 mrem/year – eye dose equivalent
- 50,000 mrem/year – extremity dose
- 500 mrem/gestation – declared pregnant worker