



BODA EMERGENCY RESPONSE CHECKLIST FOR RPT MEMBERS

Initial notification and response:

- Complete Initial Response to Beam-On Accident form (R.P. Form # 34).
- Verify exposed persons taken to Site 39 South Decon/BODA room.
- Verify that response personnel have not received a nuclear medicine procedure w/in past month.
- Confirm beam has been shut off to the affected beamline(s).
- Call another RPT member and a RCT.
- Notify ES&H Section Head of situation.
- Confirm that Area RSO has been notified.
- Inform the Incident Commander upon arrival.

Verify that procedures are being followed and perform dose assessment:

- Ask the exposed individual if he/she has received a nuclear medicine test w/in the past month.**
- Watches, metal objects removed?
- Exposed individuals in disposable clothing?
- Ask for demonstration of how modified Bicon Analyst measurements were taken.
- Verify that counting at Station 3 is being performed properly.
- Check individual for contamination (Appendix B).
- Perform source check for modified Bicon Analyst (R.P. Form # 65).
- Take modified Bicon Analyst measurements (R.P. Form # 65).
- Perform dose assessment for modified Bicon Analyst measurements (R.P. Form # 65).
- Take Nal counter system measurements (Appendix C).
- Perform dose assessment using Nal measurements (R.P. Form # 69).

Background and source checks (R.P. Form # 66):

- Perform background count with empty cot.
- Perform background count with an unexposed individual on the cot.
- Perform a source check.



BODA EMERGENCY RESPONSE CHECKLIST FOR RPT MEMBERS

Determine next course of action (Appendix A)

Estimated dose greater than 25 rem:

- Medical attention is warranted (See Appendix A).
- 2 to 4 hrs. post exposure, arrange for blood testing (Appendix A).
- 6 to 10 hrs. post exposure, arrange for whole body counting at Argonne Lab (R.P. Form # 9).
- Decontaminate exposed individual (See Personnel Decontamination Procedure).

- Complete Medical History for Individuals Involved in Radiological Incident (R.P. Form # 94).

Estimated dose less than 25 rem:

- Decontaminate exposed individual (Appendix B).
- Contact ESH Associate Head for Radiation Protection for approval to release individual.

Miscellaneous activities to complete as time permits:

- Survey transport vehicle (Appendix B).
- Decontaminate Site 39 South Decon/BODA room (Appendix B).
- Arrange for counting of personal effects (Appendix B).
- Complete Description of Beam On Exposure Incident form (R.P. Form # 95).
- Complete RAF Work Request form (R.P. Form # 32).
- Complete RAF Sample Chain of Custody form (R.P. Form # 33).
- Arrange for emergency processing of dosimeter (R.P. Form # 92).
- Record any problems with the BODA facility in the logbook.
- Copy files to a floppy diskette.