

RPR 60A. NUCLEAR MEDICINE EVALUATION CHECK LIST

(Use in addition to RPR 50A.)

Responsible User: _____ Group No.: _____ Date:

Building: _____ Room(s): _____

EVALUATION CRITERIA YES NO

Surveys:

1. Daily contamination surveys performed? () ()
2. Weekly surveys of labs and storage areas? () ()
 - a. Exposure rates measured? () ()
 - b. Wipe surveys performed? () ()
3. Records maintained and contain required data? () ()

date of survey, plan of areas surveyed, trigger levels, detected dose rate in mrem/hr or removable contamination in dpm/100 cm², survey instrument used, model #, serial number, calibration date, surveyor initials
4. Areas decontaminated if 2000 dpm/100 cm²? () ()

Waste Disposal:

1. Hold for decay methods adequate (decay of 10 half-lives)? () ()
2. Records of disposals maintained and contain required data? () ()

date of disposal, date material was stored, radionuclides disposed, survey instrument used, serial number, calibration date, background dose rate, highest dose rate measured at surface, name of disposer

Dose Calibrator:

1. Daily constancy check performed? () ()
 - a. Records maintained and contain required data? () ()

dose calibrator model and serial number, identity of radionuclide in check source, date of check, activity measured, checker initials
2. Annual accuracy tests performed? () ()
 - a. Records maintained and contain required data? () ()

dose calibrator model and serial number, serial number of check source, identity of radionuclide in check source and its activity, date of test, results of test, signature of on-site RSO (NMTC)
3. Quarterly linearity tests performed? () ()
 - a. Records maintained and contain required data? () ()

dose calibrator model and serial number, calculated activities, measured activities, date of test, signature of on-site RSO (NMTC)
4. Patient doses measured prior to administration? () ()
 - a. Records maintained and contain required data? () ()

EVALUATION CRITERIA

YES NO

radiopharmaceutical name, prescription number, radionuclide, patient's name, measured activity of dosage, date and time of measurement, measurer's initials

Calibration and Reference Sources:

- 1. Sources requiring leak tests?
 - a. Additions?
 - b. Deletions?

- 2. Other check sources?
 - a. Additions?
 - b. Deletions?

- 3. Quarterly inventory performed?
 - a. Records maintained and contain required data?
 - model and serial number of source, radionuclide and its nominal activity, location of source, signature of on-site RSO (NMTC)

Records:

- 1. Training records available on site?
(Authorized User, Nuclear Med Techs, ancillary staff)
- 2. Nuclear Medicine procedures available?
- 3. Dosimetry records on site and available?
- 4. Meter calibration records available on site?
- 5. Radiation Safety Committee Minutes on site and available for review?
- 6. Copy of current license on site and available?