Australian National University

Ionising Radiation Isotope Application Form

Description of Purpose/Use/Experiment/Process

_____

_____

Isotope Specifications

- Radionuclide: _____
- Type of radiation: α β γ *neutron*
- Radio toxicity group: 1 2 3 4
- Chemical Form: _____
- Physical Form: *Solid* *Liquid* *Gas*
- Maximum activity: to be held at any time _____MBq, in use in the experiment: _____ Bq
- Other: _____

Location

- Building name/number: _____
- Room number: _____ (storage), _____ (experiment)
- Room characteristics:
  - Shielding ***present*** or *to be* ***installed***:

    _____
  - Shielding potential: *Good* → - - - - - - - - - → - - - - - - - - - → *Poor*

Duty Cycle

The experiment is expected to take _____ minutes/hours.

The users are expected to be exposed for ***all*** or some (_____ %) of the time.

Operator Exposure

Not Possible Unlikely Possible Likely Potentially Significant

Discuss: _____

_____

Radiation Protocol/Procedure/Guidelines/Warning Notices

Please attach a copy of the radiation protocol and any guidelines and warning notices to be provided to users.

Radiation Waste Disposal Protocol

Please attach a copy of the radiation waste disposal protocol for all wastes generated in this process.

Training requirements

- ☐ Local Induction Program (Tier 2 and Tier 3).
- ☐ Onsite supervisor/training/instruction.
- ☐ ANU radiation safety course.
- ☐ Non- radioactive experimental trail run (if this has already been conducted- please provide details/outcomes).
- ☐ Other: _____

Personal Protective Equipment to be provided/used

- ☐ Safety glasses/Face shield.
- ☐ Gloves (type: _____).
- ☐ Lab coat.
- ☐ Other: _____

Type of Radiation Monitoring to be conducted

- ☐ Personal (OSL Monitor).
- ☐ Finger badge.
- ☐ Contamination detection.
- ☐ Dose rate monitoring.

Other Control Measures

_____
_____