Application Form for Use of Sealed RI Source

Date

Signature of Research Planning Office manager1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PrincipalUser | Name |  | Sealed RI source to be used  | Source No. |  |
| Affiliation |  | Nuclide |  |
| Radioactivity |  |
| Position |  | Purpose2) |  |
| E-mail |  |
| List of Co-users3) |
| Name | Affiliation | Position |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Place4) | (AVF) □ W Exp. Room □ N Exp. Room (Ring) □ Acc. Room □ West Exp. Room □ Neutron Exp. Room　□ East Exp. Room(Chemistry) □ Semi-hot, East □ Semi-hot, West □ Meas. Room □ Preparation Room(Others) □ Nucl. Med. Exp. Room □ RI Meas. Room □ R&D Room |

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| Detail of plan and schedule for RI use5)6) |
|  |
| Method for RI use7) |
|  |

1. User must get the approval of the Research Planning Office manager.
2. Purpose is limited to calibrations of other sources or radiation detectors. Do not use for other purposes.
3. To use a neutron source, it is required to wear a neutron dosimeter provided by your institution as well as a pocket-type neutron dosimeter provided by RCNP.
4. It is not allowed to use a source at a place other than listed here.
5. The accumulated use time is defined as the duration when the source was out of the RI storehouse, except for the time for transportation.
6. The record of use should be submitted to the radiation control office after using a source.
7. It is required to cover the source with lead and polyethylene whose thicknesses are about 1cm and 20cm, respectively.

List of Sealed RI Sources

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source No. | Nuclide | Radioactivity | Date of Entry | Purpose | Half-life |
| 25 | 241Am-Be | 185 MBq | 4-11-1975 | Calibration of sources or detectors | 432.2 y |
| 120 | 241Am-Be | 3.7 GBq | 25-2-1980 | Calibration of sources or detectors | 432.2 y |
| 121 | 241Am-Be | 11.1 GBq | 25-2-1980 | Calibration of sources or detectors | 432.2 y |

Column for Radiation Control Office

|  |  |
| --- | --- |
| Three-months Accumulated Use Time | Other use in the week |
| Before Use | After Use |  / 〜 / |  / 〜 / |  / 〜 / |  / 〜 / |
|  |  |  |  |  |  |