Risk Assessment for Work Involving Open Radioactive Sources

Proposals for working with new open sources (i.e. radiochemicals) or modifying approval for existing work are to be submitted to the Safety Office on Form Rad 1. This Rad 5 form is to be used to develop the radiation risk assessment that is required to accompany the application.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Description of Proposed work |  | | | | | | | |
| Isotopes to be used & max. activities per experiment | (1) | | | (2) | | | (3) | |
| Justification for use of radioactive technique and activities to be used. |  | | | | | | | |
| Dose Estimation  (This may be determined by measuring dose rates from existing similar procedures or by calculation - also see [indicative information](http://www.nottingham.ac.uk/Safety/Documents/Rad-Isotope-Info.pdf)) | **Source Activity** | **Distance** | **Dose Rate** | | **Duration** | **Annual Frequency** | | **Annual Cumulative Dose** |
| Step 1 |  |  | |  |  | |  |
| Step 2 |  |  | |  |  | |  |
| Step 3 |  |  | |  |  | |  |
| Step 4 |  |  | |  |  | |  |
| **Total estimated annual dose for this work** | | | | | | |  |
| Measures to minimise external exposure |  | | | | | | | |
| Likelihood of contamination arising and being spread |  | | | | | | | |
| Arrangements to control contamination |  | | | | | | | |
| Personal Protective Equipment  Required |  | | | | | | | |
| Foreseeable accidents, prevention and contingency arrangements |  | | | | | | | |
| Measures to prevent exposure of others**1** |  | | | | | | | |

**1** eg non-radiation co-workers; cleaning; maintenance; waste handling; visitors.

Name of person completing assessment Date

(Normally the Project Proposer)