

# RADIATION CONTAMINATION SURVEY FORM

Removable Contamination using Crystal Scintillation Detection for <sup>125</sup>Iodine

Building \_\_\_\_\_ Room \_\_\_\_\_ Crystal Scintillation Counter \_\_\_\_\_

Wipe Efficiency 0.1    Detector Efficiency 0.5    Wipe Area 100 cm<sup>2</sup>

Multiplication Factor 0.0033

Calculation for contamination     $(\text{CPM}_{\text{sample}} - \text{CPM}_{\text{blank}}) \times 0.0033 = \text{Bg/cm}^2$

| Name |     |                    | Name |     |                    | Name |     |                    |
|------|-----|--------------------|------|-----|--------------------|------|-----|--------------------|
| Date |     |                    | Date |     |                    | Date |     |                    |
| AREA | CPM | Bg/cm <sup>2</sup> | AREA | CPM | Bg/cm <sup>2</sup> | AREA | CPM | Bg/cm <sup>2</sup> |
| 1    |     |                    | 1    |     |                    | 1    |     |                    |
| 2    |     |                    | 2    |     |                    | 2    |     |                    |
| 3    |     |                    | 3    |     |                    | 3    |     |                    |
| 4    |     |                    | 4    |     |                    | 4    |     |                    |
| 5    |     |                    | 5    |     |                    | 5    |     |                    |
| 6    |     |                    | 6    |     |                    | 6    |     |                    |
| 7    |     |                    | 7    |     |                    | 7    |     |                    |
| 8    |     |                    | 8    |     |                    | 8    |     |                    |
| 9    |     |                    | 9    |     |                    | 9    |     |                    |
| 10   |     |                    | 10   |     |                    | 10   |     |                    |
| 11   |     |                    | 11   |     |                    | 11   |     |                    |
| 12   |     |                    | 12   |     |                    | 12   |     |                    |
| Bkg  |     |                    | Bkg  |     |                    | Bkg  |     |                    |

Maximum limit of Contamination is 3.0 Bq/cm<sup>2</sup> averaged over an area of 100 cm<sup>2</sup>  
 Contamination levels exceeding this level must be reported to the RSO