



Troxler Radiation Monitoring Services
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DOSE ESTIMATE FORM

Name:	SSN:		
Badge ID:	Customer ID:		
Reason for Estimate (why dose estimate is necessary):			
Basis for Estimated Dose (method and assumptions used to estimate dose):			
Monitoring Period (mm/dd/yy - mm/dd/yy)	Shallow Dose (mrem)	Eye Dose (mrem)	Deep Dose (mrem)

Signatures

Employee:	Date:
RSO:	Date:

DOSE ESTIMATE INSTRUCTIONS

Whenever a badge is lost or damaged, the licensee should perform an investigation and estimate the dose that the individual received during the monitoring period in question. The Troxler Dose Estimate Form may be used for this purpose.

The following steps explain how to perform and document a personnel dose estimate.

1. Interview the individual to ascertain the circumstances under which the badge was lost or damaged, including the estimated date and time. Question the individual about his/her activities involving radiation exposure during the entire monitoring period, such as nature of work, location(s) of work, type and strength of source(s), date(s) of exposure(s), duration of exposure(s).
 - Identify co-workers who may have received similar exposures during the monitoring period in question. Dose readings for co-workers who performed similar work may be used as the basis for estimating the dose to an individual.
 - Gather available radiation surveys or conduct radiation surveys of the work area if applicable. Measured or calculated dose rates multiplied by the exposure time for each radiation source and activity may be used as the basis for estimating dose to an individual.
 - Review the individual's exposure records for previous monitoring periods during which similar work was performed. If the individual has a history of monitoring results which show a consistent or predictable pattern of dose received and if the activities involving radiation sources during the period in question were similar in nature and extent to previous periods, then the results for those previous periods may be used as a basis for estimating the dose.
2. Determine the best estimate of the individual's dose for the monitoring period based on one or more of the above methods and document on the Dose Estimate Form.
3. Have the both the individual and the RSO sign the Dose Estimate Form.
4. The original form should be kept by the licensee with the official dose records for the individual. A copy of the form should be forwarded to Troxler to update the individuals dose history records. In this case, the Troxler exposure report will show that the dose was estimated by the customer.

Note: In some states, e.g. Texas, monitoring records may not be amended to reduce or delete a recorded dose without written authorization of the licensing agency. On the other hand, increasing the dose or providing an estimated dose for a monitoring period when a valid badge reading is not available does not, in general, require regulatory approval.