

BNL ALARA CENTER**Processes and Practices Related to Occupational Dose**

ID: 1016

RADIATION MAPS OF RADIATION AREAS**Keywords:** RADIATION MAPS; MAPS; HIGH-RADIATION AREAS; AIRBORNE; SMEARABLE CONTAMINATION; PROCEDURE**Description:**

Since radiation surveys are performed for both routine and special monitoring situations, a computer system to handle both types of surveys and all three types of survey data, i.e., radiation, airborne, and smearable contamination, has been found to be very cost effective. A mechanism for storing and generating survey maps can have the following benefits:

1. High quality survey maps
2. Survey map control and traceability
3. Easily revised by on-site personnel
4. Document modifications and design changes
5. Dose management
6. Contamination control
7. Training aid
8. Survey data tracking and trending

The computer-generated survey maps can be beneficial to the following groups:

1. Health physics surveys
2. Survey schedulers
3. ALARA engineers
4. RWP preparers
5. Operations orientation
6. Job/outage planning

Review and knowledge of plant radiation levels by personnel in these groups will assist in planning high dose jobs and indirectly lead to dose reduction for these jobs.

References and Selected Abstracts:

Being compiled.