

A. SYMPTOMS

1. Routine survey indicates high radiation.
2. ARM or MAIN STEAM LINE HIGH RADIATION alarm.
3. Removal or re-arrangement of shielding.
4. Removal of source from its shielded container.

B. AUTOMATIC ACTIONS

1. SBGTS starts and reactor building ventilation system isolates when radiation levels reach 11MR reactor building ventilation exhaust or 100MR refueling floor.

C. IMMEDIATE OPERATOR ACTIONS

1. Verify automatic actions, if radiation levels reach trip points indicated in B.1.
2. Assign personnel to guard entry to the area and prevent access. Use Public address system to warn personnel of access restrictions.

D. SUBSEQUENT OPERATOR ACTIONS

1. Locate the source of radiation.
2. Survey to determine the limits of the high radiation area and establish a controlled area.
3. Install temporary shielding, place the source of radiation in a shielded container, or reduce reactor power as applicable.
4. Follow abnormal procedure for fuel element failure high radiation if applicable (DGA-16).
5. Assemble personnel who may have been exposed and read their dosimeters. If necessary, restrict their further exposure and have film badges developed.
6. Notify Radiation-Chemical Supervisor and request assistance in restoring area to previous background levels.
7. Refer to Dresden Radiation Control Standards and DSEP.

E. DISCUSSION

1. When levels of radioactivity exceed 100MR/hr in an area where the dose rate has previously been less than this amount, a high radiation area emergency exists.

APPROVED

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D. O. S. R.