

2.1.2.7.3 Short Term Modifications

Increased range capabilities will be furnished for the Reactor Building Purge Exhaust, the Condenser Off-Gas Exhaust, and the Main Steam Lines as a short term modification. This Short Term Modification will consist of G.M. Tubes or ionization chambers affixed to each of the effluent release paths described in 2.1.2.1.1 (only one detection system will be provided for each OTSG). Remote readout will be provided to areas, which are habitable during an accident. The Long Term Modification for the Auxiliary & Fuel Handling Building is projected to be completed by 1 June 1980. If a Long Term Modification is not available by start-up, a Short Term Modification utilizing a G.M. tube or ionization chamber will be incorporated. All devices will have necessary shielding if background effects are considered excessive.

The installation of each monitor will include evaluation of the position of the monitor relative to other potential radiation sources and shielding necessary to minimize the effect of sources other than sample lines on the response of the monitor.

The sensitivity will assure that release rates of:

5,600,000 Ci/sec from Auxiliary & Fuel Handling Bldg.

2,300,000 Ci/sec from Reactor Building Purge.

1400 Ci/sec from Condenser Off-Gas based on maximum flow rates from each release path.

2500 Ci/sec from a single steam generator can be detected.

The range of these monitors is identical to the range capability of the long term modification.

For each of the monitors described, the following applies:

Each will be powered from normal power with battery backup.

Established sensitivities will be correlated to solid source calibration. Procedures defining calibration methods and frequency will be written to assure proper response of the instruments.

Emergency procedures will be written to the use of radiation instrumentation in conjunction with flow information to determine release rate.

Emergency Plan implementing procedures describe the dissemination of information obtained from the monitors.

Procedures and evaluations will be available for NRC review prior to restart of Unit I or 1 October 1980, whichever occurs first.

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