

3.7 Post-Accident Monitoring Instrumentation

Design Description

1.0 System Description

The post-accident monitoring (PAM) instrumentation permit the operator to perform the following:

- Preplanned, required, manual safety functions where no automatic control is provided (Type A).
- Capability to assess critical plant safety functions (Type B).
- Capability to assess the potential for an actual breach of the three fission product barriers (Type C).

The instruments that are determined as PAM instrumentation are contained in various plant systems. The performance, design, and qualification of the PAM instrumentation are selected in accordance with the accident management functions defined by the emergency procedures, and emergency guidelines.

2.0 I&C Design Features, Displays, and Controls

2.1 Type A, B, and C PAM instrumentation are provided on the PICS operator workstations in the MCR to perform accident management functions.

2.2 Type A, B, and C PAM instrumentation is designed and qualified based on the level of importance of the instrument type that each instrument supports.

Inspections, Tests, Analyses, and Acceptance Criteria

Table 3.7-1 lists the post-accident monitoring instrumentation ITAAC.

Table 3.7-1—Post-Accident Monitoring Instrumentation ITAAC

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
2.1	Type A, B, and C PAM instrumentation are provided on the PICS operator workstations in the MCR to perform accident management functions.	Tests will be performed to verify that Type A, B, and C PAM instrumentation are indicated on the PICS operator workstations in the MCR by using test input signals.	Type A, B, and C PAM instrumentation are indicated on the PICS operator workstations in the MCR.
2.2	Type A, B, and C PAM instrumentation is designed and qualified based on the level of importance of the instrument type that each instrument supports.	<p>a. An analysis will be performed to determine the performance, design, and qualification criteria for each Type A, B, and C PAM instrument based on the level of importance of the instrument type that each instrument supports.</p> <p>b. Inspections, tests, or analyses will be performed to verify that the Type A, B, and C PAM instrumentation meets the performance, design, and qualification criteria.</p>	<p>a. A report documents the performance, design, and qualification, criteria for each Type A, B, and C PAM instrument.</p> <p>b. A report concludes that the Type A, B, and C PAM instrumentation meets the performance, design, and qualification criteria.</p>