3.7 Post-Accident Monitoring Instrumentation

1.0 Description

The post-accident monitoring (PAM) variables 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 breech 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, emergency guidelines, and licensing basis documents.

2.0 Analyses

2.1 PAM indications are provided to perform Type A, B, and C accident management functions defined by the emergency procedures and licensing basis documents.

3.0 Design Features

3.1 The PAM instrumentation are designed and qualified based on the level of importance of the variable type that each instrument supports.

4.0 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	PAM indications are provided to perform Type A, B, and C accident management functions defined by the emergency procedures and licensing basis documents.	An analysis of emergency procedures and licensing basis documents will be performed to identify a list of PAM variables required for accident management functions.	A report exists that documents the PAM variables are provided for required accident management functions. The PAM variable list are documented in a table format that includes the following: • Variable name that indicates the variable function. • Variable Type (A, B, C). • Range. • Safety classification (1E or non-1E). • Environmental and Seismic Qualification. • Minimum number of instruments required. • Monitoring duration for the variable.
3.1	The PAM instrumentation are designed and qualified based on the level of importance of the variable type that each instrument supports.	a. An analysis will be performed to determine the performance, design, and qualification criteria for each PAM instrument based on the level of importance of the variable type that each instrument supports. b. Inspections, tests, or analyses will be performed to verify that the PAM instrumentation meets the documented performance, design, and qualification criteria.	a. A report exists that documents the performance, design, and qualification, criteria for each PAM instrument. b. A report exists and concludes that the PAM instrumentation meets the documented performance, design, and qualification criteria.
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