

Flooding Walkdown Guidance

January 18, 2012



Current Status

- Guidance based on approach to IER 11-1 walkdowns
- First draft prepared in December
- Currently being reviewed by task force
- NRC comments on key concepts will need to be addressed

Guideline Content

- Introduction
- Purpose
- Definitions
- Scope
- Methodology
- Acceptance Criteria
- Monitoring and Maintenance
- Reporting Results

Purpose

- Verify that permanent and temporary SSCs and related procedures credited in the external flooding licensing basis are in acceptable condition and capable of performing their intended function

Definitions

- Vulnerability: A condition that prevents a plant flood protection feature from performing its intended function during a design or licensing basis flood event. These conditions shall be entered into the Corrective Action Program.

Definitions

- Inaccessible areas are areas that cannot reasonably be inspected due to significant personnel safety hazard, Very High Radiation Areas, major equipment disassembly, or no reasonable means of access (e.g., buried).

Scope

- Compare current plant configuration and procedures to features in existing design and licensing basis that are credited for protection and mitigation of external floods
 - Comparison to UFSAR, current drawings, and procedures
 - Inspection does not include the initiators that cause the floods
 - Inspection of upstream dams WILL NOT be required, but inspection of the flood protection features that are credited to protect against or mitigate the effects of a dam failure WILL BE required

Methodology

- Protection features
 - All
 - Assess the capability to perform the required function (visual inspection of SSC, review of operating procedure)
 - Any observation that cannot be immediately judged as acceptable must be entered into the Corrective Action Program for disposition
 - Temporary
 - Verify accessibility, transportability, and the staging and function of necessary supplies

Methodology

- Functional tests/PM's
 - All equipment
 - Assess appropriateness of the test
 - Tests completed with acceptable results within their required frequency (if applicable) and at least once are acceptable

Walkdown Team Training

- Individuals will be trained for examinations of plant structures, systems, and components within the walkdown scope
- Individuals will be trained to this guidance and to the flooding related recommendations in SECY 11-0137 items 2.1 and 2.3

Acceptance Criteria

- Aligned with the definition of vulnerability

Estimated Schedule for Guidance

- Provide draft to NRC – Fri, Feb 17
- Requested NRC comments ~ two weeks
- Meeting to discuss comments – Feb 27 – Mar 2
- Submit final draft to NRC
- Meeting to discuss final draft ~ Mid April
- Final guidance available to utilities in time for reference in 90 day response