

FAQ 023: Undefined CLB Event Duration

A. TOPIC: Integrated Assessment trigger – Undefined CLB Event Duration

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B. DESCRIPTION:

The design basis flooding evaluation for some licensees does not contain specific information on event duration, however the hazard reevaluation will contain this information. Is it necessary to perform an Integrated Assessment if the design basis flooding evaluation bounds the reevaluated hazard in all respects, but the design basis evaluation does not include specific information on the duration of the flood hazards evaluated?

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D. RESOLUTION: (Include additional pages if necessary. Total pages: 2)

Inquiry number: 023 Priority: H

It is not necessary to perform an Integrated Assessment if the design basis flood evaluation does not contain information on flooding event duration but bounds the reevaluated hazard in all other respects (including addressing all applicable associated effects), as long as there is no reason to believe that the flood duration has changed. The flooding reevaluation report should justify the conclusion that the duration of the design basis event is bounding.

EXAMPLE:

The limiting event for the site is a hurricane driven storm surge. The expected surge height and all applicable associated effects determined by the reevaluation are bounded by the design basis evaluation. In addition, all other design basis hazards and associated effects bound the parameters in the reevaluated hazard.

The duration of the limiting flooding event in the reevaluation is 2 days; however, the duration of the corresponding design basis event was not specified. Since all other aspects of the reevaluation are bounded and since no new information indicates that the event duration has increased significantly, it can reasonably be assumed that the durations of the event in the reevaluation and the CDB are approximately the same. Therefore it is acceptable to assume that the CDB event evaluation bounds the reevaluated hazard and an Integrated Assessment is not necessary. The reevaluation report should document the rationale for this conclusion.

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E. NRC Review:

Not Necessary _____ Necessary X

Explanation: _____

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F. Industry Approval:

Documentation Method: _____ Date: _____

G. NRC Acceptance:

Interpretation _____ Agency Position _____

Documentation Method: _____ Date: _____