

Preliminary Results of the Department of Energy's Beyond Design Basis Events Evaluation Pilot Program

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This paper presents the initial results from the ongoing Beyond Design Basis Event Evaluation Pilot Program. The pilot program was initiated in January 2012 to evaluate the need for improvements in guidance and criteria for beyond design basis events (BDBEs) in the following areas:

- Evaluation of BDBEs in the facility safety analysis.
- Walk down of safety systems for potential vulnerability to natural phenomena hazards events focused on evaluating margins to BDBEs.
- Accident management strategies (and the resources necessary for implementing such strategies) for BDBEs, including events that may affect multiple facilities and site infrastructure.