



**RIC 2011
Regulatory Review Activities
Related to Seismic Studies near
Diablo Canyon**

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Regulatory Review Activities

- Review of the final report on the Shoreline Fault and update of NRC deterministic seismic hazard assessment
- Analyses of risk due to secondary fault deformation potential from the Shoreline Fault
- Review of geotechnical data from the Diablo Canyon Power Plant (DCPP), Units 1 and 2, site collected during investigation from the ISFSI (Independent Spent Fuel Storage Installation)

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Regulatory Review Activities

- Update to Research Information Letter 09-001
- NRC Office of Research (RES) providing technical support to NRC offices working on ongoing seismic safety reviews, relicensing, petitions, and license amendment preparation (NRR, RIV, and OGC)

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Research Information Letter Update

- Update to Research Information Letter to include new and updated information on the DCPD:
 - Details and results from updated independent Deterministic Seismic Hazard Analysis (DSHA) based on final Shoreline Fault report submitted to the NRC
 - Discussion and results from of assessment of risk from secondary deformation caused by the Shoreline Fault

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Research Information Letter Update

- Review of site geotechnical data from the ISFSI to determine consistency with original site data and DSHA assumptions
- Discussion of preliminary PSHA-based (Probabilistic Seismic Hazards Analysis – based) information

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Acronyms

- DCPD** Diablo Canyon Power Plant
- DSHA** Deterministic Seismic Hazard Analysis
- ISFSI** Independent Spent Fuel Storage Installation
- LTSP** Long Term Seismic Program
- NRC** U.S. Nuclear Regulatory Commission
- NRR** Office of Nuclear Reactor Regulation, NRC
- OGC** Office of the General Counsel, NRC
- PSHA** Probabilistic Seismic Hazards Analysis
- RES** Office of Nuclear Regulatory Research, NRC
- RIV** NRC Region IV

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