



U.S. Department of Energy
Office of Civilian Radioactive Waste Management



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Example Uncertainty and Sensitivity Analysis Results Obtained in the 2008 Yucca Mountain TSPA

Presented to:
Nuclear Waste Technical Review Board

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Presentation Summary

- **Expected and Mean Dose for All Scenario Classes**
- **Igneous Intrusion at 10 years: ^{237}Np**
- **Seismic Ground Motion Damage at 10 years: ^{99}Tc**



Acronyms used in this presentation

CDSP: Co-Disposed Waste

CSNF: Commercial Spent Nuclear Fuel

CCDF: Complementary Cumulative Distribution Function

LHS: Latin Hypercube Sampling

RMEI: Reasonably Maximally Exposed Individual

DS: Drip Shield

WPs: Waste Packages

**Acronyms for input variables are defined in Table K3.1 of
*WIS-MD-PA-000005 REV 00 AD 01***

