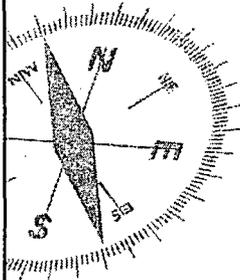


Dynamic Soil Testing for COL Applications

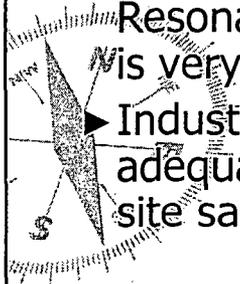
May 31, 2007



Ref: Reg Guide 1.206
Chap 2.5.7.4

Current Situation

- ▶ Chapter 2.5.4.7 of the FSAR requires:
*"results of dynamic tests in the laboratory
on samples of the soil and rock"*
- ▶ Current capacity to perform the required
Resonant Column/Torsional Shear testing
is very limited
- ▶ Industry is committed to providing
adequate information to the NRC for its
site safety review



COLA Submission for Docketing

- ▶ Results of Geotechnical Investigation, compliant with Reg Guide 1.132 and 1.138, to characterize the site
- ▶ Site-specific Sampling/Testing program to comply with requirements of the SRP for 2.5.4.7
- ▶ Results of RCTS tests completed on representative samples and basis for sample prioritization
- ▶ Timeframe for completion and submission of remaining RCTS tests
- ▶ Generic Curves selected to represent dynamic properties of site soils and basis for their selection

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Submitted during Docket Review

- ▶ Results from remaining RCTS tests completed after COLA submission
- ▶ Revisions to Chapter 2.5.4.7 to incorporate results of RCTS tests
- ▶ Discussion of impact of additional dynamic test data on Dynamic Modeling

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