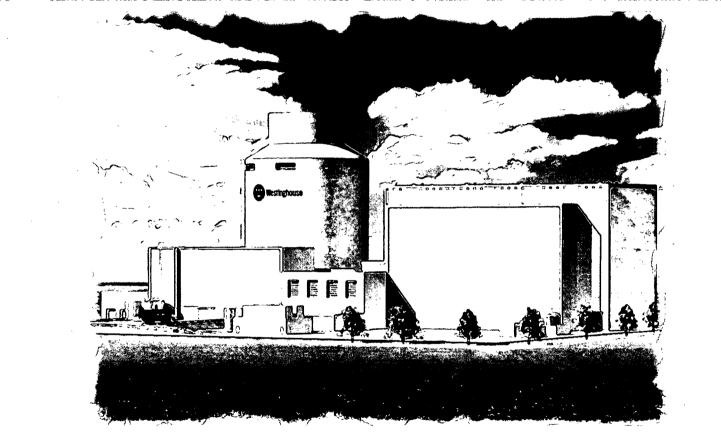


AP1000 Nuclear Island Extension to Soils December 12, 2006



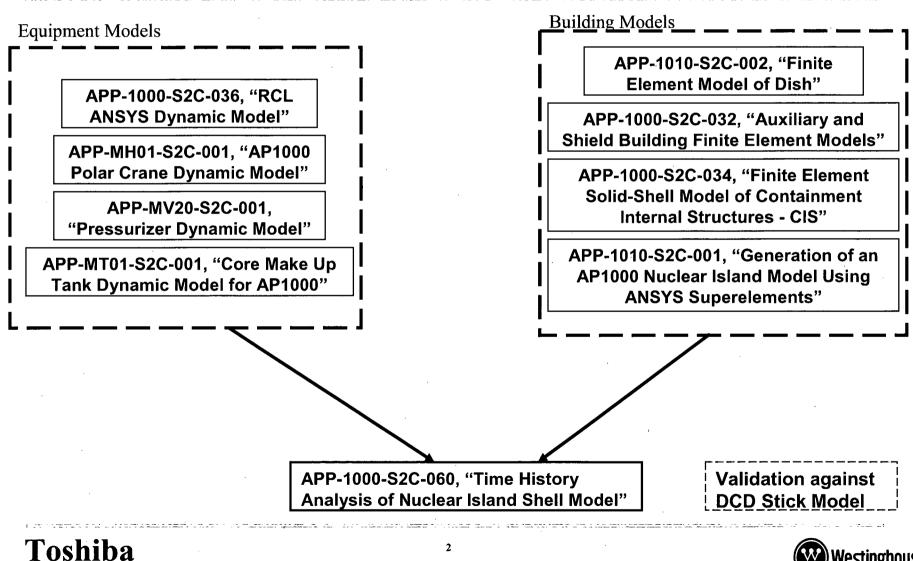
Lee Tunon-Sanjur AP600 & AP1000 projects 412-374-6475 - tunonslj@westinghouse.com







Hard Rock Model (NI10) Validation



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Soil Model (NI20) Validation

Equipment Models
APP-1000-S2C-036, "RCL

APP-MH01-S2C-001, "AP1000 Polar Crane Dynamic Model"

ANSYS Dynamic Model"

APP-MV20-S2C-001, "Pressurizer Dynamic Model" APP-1000-S2C-033, "Nuclear Island ANSYS Coarse Model"

APP-1000-S2C-053, "Coarse Finite Element Model (ANSYS) of Containment Internal Structures"

APP-1000-S2C-054, "Nuclear Island 3D SASSI Model" Time history of nuclear island soil model, NI20

APP-1000-S2C-054, "Nuclear Island 3D SASSI Model" Time history of nuclear island soil model, NI20

APP-1000-S2C-055, "Time History Verification of CIS Coarse Model"

Validation against Hard Rock Model, APP-1000-S2C-060



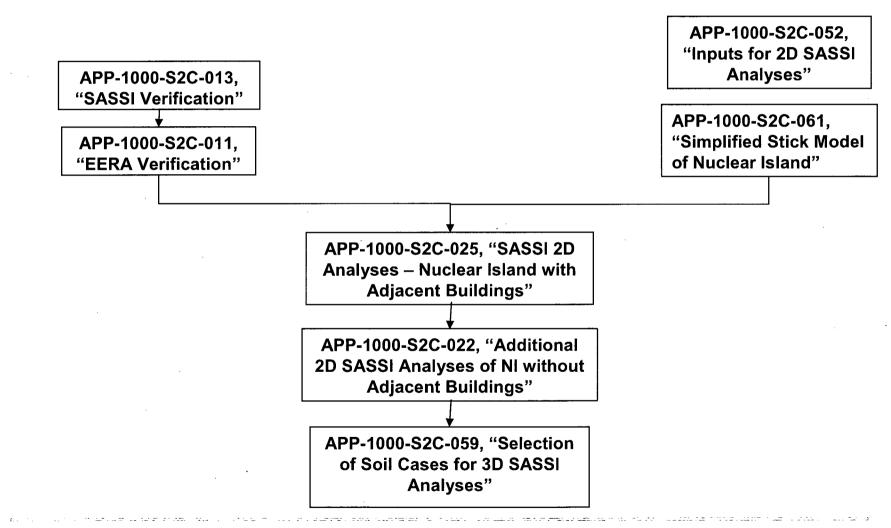
3

Toshiba



Selection of Soil Cases based on 2D Parametric Studies

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APP-1000-S2C-015, "SSI Analysis for Firm Rock Profile"

APP-1000-S2C-016, "SSI Analysis for Upper Bound Soft to Medium Soil Profile"

APP-1000-S2C-017, "SSI Analysis for Soft to Medium Soil Profile"





Floor Response Spectra and Building Forces Development



