Analysis of Aerosol Deposition and Settling in the ESBWR Containment (SNL Confirmatory Analysis -- Update)

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Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
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Outline

- VTT Information
- Accident Scenarios

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Information from VTT

- Information received for the three accident scenarios
  - EDF output files
  - PTF file
  - OUT file
- Question about GDCS tank overflow in accident scenario 2

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Accident Scenario 1

- SNL case has been run out to 12 hours
- Relatively good agreement between VTT and SNL containment results
- VTT-calculated deposition coefficient is in good agreement with that from SNL median-value case
- Preparations for running the SNL multiple realization (~150 realizations) case are on-going

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Accident Scenario 1
Drywell Pressure

[This slide contains GE Proprietary Information because it included graphs from GE's proprietary Research Report No. VTT-R-04413-06, "Estimation and Modeling of Effective Fission Product Decontamination Factor for ESBWR Containment - Part 1," October 2006.]

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Accident Scenario 1
Deposition Coefficient Results

[This slide contains GE Proprietary Information because it included graphs from GE's proprietary Research Report No. VTT-R-04413-06, "Estimation and Modeling of Effective Fission Product Decontamination Factor for ESBWR Containment - Part 1," October 2006.]

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Accident Scenario 1
RN Mass Results

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Accident Scenarios 2 and 3

- Debugging is in-progress

Back Up Slides

[This slide was originally empty. Additional Slides were available but were not presented]

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Accident Scenario 1
Drywell Pressure (VTT)

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Accident Scenario 1
Drywell Pressure (SNL)

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