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**WCAP-16530-NP, “Evaluation of Post-Accident  
Chemical Effects in Containment Sump Fluids  
to Support GSI-191”  
and  
WCAP-16785-NP, “Evaluation of Additional  
Inputs to the WCAP-16530-NP Chemical Model”**

GSI-191 Meeting  
June 19, 2007

# WCAP-16530-NP

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- Responding to RAIs
  - Instrumentation scatter in filtration test
- NRC has witnessed additional testing
- Data Presented to NRC
- Last tests to finish within the week
  - Data available within two weeks
- Phone call scheduled with staff for next week

# WCAP-16785-NP

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- Areas of testing identified:
  - Silicate and phosphate inhibition of corrosion of Aluminum metal
  - Differences in corrosion for Aluminum alloys in containment vs. commercially pure Aluminum used in testing
  - Consideration of solubility limits in order to reduce amount of precipitation from material releases
    - Large quantities of dissolved material were observed in the ICET program which did not form precipitate
- Results of testing used to refine the existing chemical model spreadsheet to allow for plant-specific inputs to the model

# Status

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- Chemical Refinements
  - Implementation/User Instructions developed
  - Enables plants to take credit for plant-specific materials
  - Issued as of 6/15/07
- PWR Owners Group getting approval from members to submit for information only