
**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

- 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

- 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

- 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