

October 4, 2005

MEMORANDUM TO: James T. Wiggins, Deputy Director  
Office of Nuclear Regulatory Research

FROM: Stephen C. O'Connor, Technical Assistant */RA/*  
Office of Nuclear Regulatory Research

SUBJECT: ELECTRIC POWER RESEARCH INSTITUTE MEETING SUMMARY

On September 15, 2005, RES staff and management met with Electric Power Research Institute (EPRI) representatives to discuss ongoing and planned cooperative research work conducted under the Memorandum of Understanding (MOU) with EPRI. The meeting focused on key research program status, challenges, and milestones. The meeting attendees and agenda items are attached.

The issues addressed included risk-informed regulations, chemical effects testing (related to GSI-191), PWR materials degradation issues, digital instrumentation and control, and seismic issues (related to 10 CFR 50.46). The participants discussed program status, MOU addendums, areas for improvement, obstacles, successes, and potential new research work. Several action items were identified and assigned to various attendees for follow-up. I will monitor completion of these action items and discuss status at the next RES - EPRI Management Meeting.

Overall, the attendees felt that the RES - EPRI cooperative research program continues to be a useful and constructive process for sharing the cost of conducting research and obtaining necessary data.

Attachments: 1. Meeting Attendees  
2. Meeting Agenda

DOCUMENT NAME: G:\PMPDAS\Clayton\Meeting Summary.wpd

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OFFICE	PMDA	D:DET	D:DRAA	D:DSARE	D:RES
NAME	SO'Connor	RBarrett	CAder	FEltawila	CPaperiello RBarrett (for)
DATE	09/26/05	09/26/05	09/29/05	10/03/05	10/04/05

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## RES-EPRI MEETING ATTENDEES

### NRC

Carl Paperiello

Richard Barrett

Charles Ader

Farouk Eltawila

Stephen O'Connor

### EPRI

Dave Modeen

Jim Lang

Gary Vine

John Gisclon \*

Ray Torak \*

Robin Jones \*

Bob Kassawara \*

Greg Hardy \*

Kurt Edsinger \*

\* - Participated by teleconference or videoconference

**NRC/RES - EPRI Management Meeting  
AGENDA**

September 15, 2005

<b>Time (EDT)</b>	<b>Time (PDT)</b>	<b>Discussion Topic</b>	<b>Participants</b>
1:00 pm	10:00 am	Introductory Comments, NRC/EPRI	Paperiello Modeen
1:15	10:15	PWR Materials Degradation Issues <ul style="list-style-type: none"> <li>· Discuss status and areas for cooperative research.</li> <li>· Discuss new area of cooperation in NDE</li> <li>· MOU Addendum in review process regarding EPRI participation in PINC.</li> </ul>	Jones # Barrett
1:45	10:45	Chemical Effects Testing; GSI-191 <ul style="list-style-type: none"> <li>· Future cooperation</li> <li>· Status of Peer review</li> <li>· Recent head loss testing at ANL</li> </ul>	Barrett Gisclon #
2:00	11:00	Digital I&C <ul style="list-style-type: none"> <li>· Discuss I&amp;C research plans and identify areas for collaboration.</li> <li>· Guidance on Risk-Informed Treatment of D-in-D for digital upgrades.</li> <li>· Depth of I&amp;C staffing / expertise at NRC</li> </ul>	Torok # Barrett
2:30	11:30	Seismic Issues <ul style="list-style-type: none"> <li>· Seismic event basis for risk-informed revision to CFR 50.46</li> <li>· BWR model for seismic-induced pipe failure.</li> <li>· ANS Standard on external events</li> <li>· NRC RG 1.200 Appendix C</li> </ul>	Barrett Kassawara #
3:00	noon	Risk-Informed Regulation <ul style="list-style-type: none"> <li>· RES-industry cooperation on PRA S&amp;Q; revisit concept of an Addendum to MOU on this issue.</li> <li>· EPRI developing PRA guidance for flooding; request RES engagement</li> <li>· Risk Informing Part 50 – area for potential cooperation?</li> </ul>	Vine Ader
3:30	12:30	Open Discussion <ul style="list-style-type: none"> <li>· Discuss cooperative ways to contract with private sector contractors (i.e., EPRI can join an RES project that is in-progress with an NRC contractor already selected, or vise versa.</li> <li>· Zirlo cladding is needed by RES for mechanical properties testing to be able to review Zirlo for fuel transportation.</li> </ul>	All
4:00	1:00	Adjourn	

# - Participated by teleconference or videoconference