

September 26, 2006

MEMORANDUM TO: Marc L. Dapas, Deputy Regional Administrator, RI  
Loren R. Plisco, Deputy Regional Administrator, RII  
Geoffrey E. Grant, Deputy Regional Administrator, RIII  
Thomas P. Gwynn, Deputy Regional Administrator, RIV  
Michael D. Tschiltz, Deputy Director, Division of Risk Assessment, NRR  
Patrick Baranowsky, Deputy Director, Operating Experience and Risk  
Analysis, RES

FROM: Russell A. Gibbs, Chief/**RA**/  
Reactor Inspection Branch  
Division of Inspection and Regional Support  
Office of Nuclear Reactor Regulation

SUBJECT: SENIOR REACTOR ANALYST COUNTERPART MEETING,  
OCTOBER 24-26, 2006

A Senior Reactor Analyst (SRA) counterpart meeting is scheduled for October 24-26, 2006, at the Idaho National Laboratory (INL) Office in Idaho Falls, ID. Participation by all SRAs is requested. Other NRC risk analysts and staff with advanced risk training and experience are also encouraged to attend. The purpose of the meeting is to review programmatic and technical issues involving SRA activities that have been identified during implementation of the Reactor Oversight Process. The meeting provides important opportunities for SRAs to offer feedback to improve their activities, to make recommendations for headquarters actions and initiatives, and to share their experiences for the benefit of all SRAs and other probabilistic risk assessment professionals within the NRC. Because there will be "hands-on" training with the computer codes, it is recommended that each attendee bring a laptop computer. The meeting is not conducive for video conferencing due to the nature of the items on the agenda. The updated action item list from the April 2006 SRA Counterpart meeting is in ADAMS (ML061320516).

The meeting agenda is enclosed. Please have your SRAs inform the contact below.

Enclosure:  
Agenda

CONTACT: F. Paul Bonnett, NRR/DIRS  
301-415-4107

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301-415-4107

DISTRIBUTION:

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| JCircle, NRR/DRA/APOB | JWiggins, RES           | FEltawila, RES           |
| PAppignani, RES       | Gary DeMoss, RES        | DDube, RES               |
| DMarksberry, RES      | DO'Neal, RES            | DRasmuson, RES           |
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| WCook, RI             | CCahill, RI             | WRoger, RII              |
| RBernhard, RII        | Gmacdonald, RII         | SBurgess, RIII           |
| LKozak, RIII          | DPassehl, RIII          | DLoveless, RIV           |
| RBywater, RIV         | MRunyan, RIV            | RBuell, INL              |

**Accession#ML062650060**

|        |          |          |
|--------|----------|----------|
| Office | NRR/IRIB | NRR/IRIB |
| Name   | PBonnett | RGibbs   |
| Date   | 9/25/06  | 9/26/06  |

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**Senior Reactor Analyst Counterpart Meeting  
at the Idaho National Laboratory  
October 24-26, 2006**

Agenda Topics

Tuesday, October 24, 2006

|                         |  |   |
|-------------------------|--|---|
| 8:00 a.m. - 8:30 a.m.   | Opening Remarks via tele-con by Stu Richards, Deputy Director DIRS |   |
| 8:30 a.m. - 9:00 a.m.   | Introduction and Overview of INL activities                        | - Pete Appignani, RES<br>- Bob Buell, INL |
| 9:00 a.m. - 10:00 a.m.  | Common-cause Failure (CCF)<br>Modeling & Examples                  | - Dale Rasmuson, RES<br>- Dana Kelly, INL |
| 10:00 a.m. - 10:15 a.m. | Break  |   |
| 10:15 a.m. - 12:00 p.m. | CCF modeling (Cont)  |   |
| 12:00 p.m. - 1:00 p.m.  | Lunch  |   |
| 1:00 p.m. - 3:00 p.m.   | SPAR-H: Examples and identify dependencies                         | - Dave Gertman, INL                       |
| 3:00 p.m. - 3:15 p.m.   | Break  |   |
| 3:15 p.m. - 4:15 p.m.   | New features in Sapphire Version 8,<br>Hands on exercises          | - Dan O'Neal, RES<br>- Ted Wood, INL      |
| 4:15 p.m. - 5:15 p.m.   | Convolution: EDG and TDAFW FTR probabilities                       | - John Schroeder, INL                     |

Wednesday, October 25, 2006

(Morning: SPAR parameters )

|                         |  |  |
|-------------------------|--|--|
| 8:00 a.m. - 8:30 a.m.   | Overview of the Parameter Estimate Handbook<br>(draft NUREG/CR)          | - Dale Rasmuson, RES<br>- Steve Eide, INL                            |
| 8:30 a.m. - 9:30 a.m.   | INL Database Overviews: CCF<br>RADS<br>LER Search                        | - Dale Rasmuson, RES<br>- Steve Eide, INL<br>- Kellie Kvarfordt, INL |
| 9:30 a.m. - 9:45 a.m.   | Break  |  |
| 9:45 a.m. - 10:30 a.m.  | System and component reliability studies                                 | - Dale Rasmuson, RES<br>- Tom Weirman, INL<br>- Cindy Gentilon, INL  |
| 10:30 a.m. - 11:15 a.m. | When to use plant specific data in lieu of<br>industry average estimates | - Dale Rasmuson, RES<br>- Dana Kelly, INL<br>- Steve Eide, INL       |
| 11:15 a.m. - 12:00 p.m. | How to update industry<br>average parameter estimates                    | - Steve Eide, INL<br>- Dale Rasmuson, RES<br>- Dana Kelly, INL       |

Enclosure

**Senior Reactor Analyst Counterpart Meeting**  
**October 24-26, 2006**  
 Agenda Topics (Cont)

12:00 p.m. - 1:00 p.m.      Lunch

(Afternoon: Model Designs)

|                       |  |  |
|-----------------------|--|--|
| 1:00 p.m. - 2:00 p.m. | Level 1 SPAR model technical issues                            | - Pete Appignani, RES<br>- Bob Buell, INL    |
| 2:00 p.m. - 2:15 p.m. | Break  |  |
| 2:15 p.m. - 5:00 p.m. | External event SPAR models and guidance:<br>Hands on exercises | - Selim Sancaktar, RES<br>- Jim Knudsen, INL |

Thursday, October 26, 2006

Open Forum - Technical Issues

|                        |   |             |
|------------------------|---|-------------|
| 8:00 a.m. - 8:30 a.m.  | Recovery after battery depletion  | - SRAs/ INL |
| 8:30 a.m. - 9:00 a.m.  | Operating TDAFW pump without dc power   | - SRAs/ INL |
| 9:00 a.m. - 9:30 a.m.  | Reliability of PZR and S/G PORVs after multiple cycles  | - SRAs/ INL |
| 9:30 a.m. - 9:45 a.m.  | Break   |             |
| 9:45 a.m. - 10:30 a.m. | Guidance on how to communicate the uncertainty<br>of the point estimate as it relates to thresholds<br>(color or reactive inspection) | - SRAs      |

Open Forum - Program Topics and Issues

|                         |  |   |
|-------------------------|--|---|
| 10:30 a.m. - 11:45 a.m. | Review changes to MC0609 and App A<br>New Phase 2 Notebooks and Presolved Spreadsheets         | - Paul Bonnett,<br>IRIB                         |
| 11:45 a.m. - 12:45 p.m. | Lunch  |   |
| 12:45 p.m. - 1:15 p.m.  | SPAR models: integration, QA,<br>configuration controls, and SUNSI                             | - Pete Appignani, RES<br>- Bob Buell, INL       |
| 1:15 p.m. - 2:15 p.m.   | Guidance on what constitutes an "acceptable"<br>Modified Phase 2, Phase 3, and MD 8.3 analysis | - SRAs  |
| 2:15 p.m. - 2:30 p.m.   | Break  |   |
| 2:30 p.m. - 3:00 p.m.   | New ASP Program process  | - Gary DeMoss, RES                              |
| 3:00 p.m. - 4:00 p.m.   | LOSW initiating event fault trees  | - INL   |
| 4:00 p.m. - 4:30 p.m.   | New user need: Checking success criteria<br>with thermal hydraulic analyses                    | - See-Meng Wong, APOB<br>- Peter Appignani, RES |
| 4:30 p.m. - 5:00 p.m.   | Closing Remarks  | - DRA -TBD                                      |

Enclosure