

March 4, 2003

NOTE TO: File

FROM: Daniel Frumkin, Plant Systems Branch, NRR/RA/

SUBJECT: FIRE PROTECTION SDP REVISION TASK GROUP CONFERENCE CALL  
TEAM G: HOT SHORTS/SPURIOUS ACTUATIONS

TEAM G MEMBERS: Daniel Frumkin, NRC - Team Lead  
Fred Emerson, NEI  
Harold Barrett, Duke Energy  
Ken Sullivan, BNL  
Keith Began, NMC  
Steven Nowlen, SNL  
Mark Salley, NRC  
J. S. Hyslop, NRC (Not in attendance)

On February 27, 2003, a conference call was held to discuss the incorporating hot shorts and spurious actuations into the proposed fire protection significant determination process (SDP). A brief agenda was transmitted via email to the meeting attendees, by the team lead.

Agenda:

- 1: Brainstorm reasons that the SDP should include treatment of HS/SA
- 2: Brainstorm reasons that the SDP should not include treatment of HS/SA
- 3: Brainstorm ways of incorporating the HS/SA into the SDP
- 4: Identify the 'best way' of the ways discussed in 3.
- 5: Identify issues with 'best way'

The meeting generally followed the agenda.

Agenda Item 1: Fred, Mark, Harry, and Keith, each expressed a need for a method that would address hot shorts. This method would be important for both inspectors and licensees to evaluate findings.

Agenda Item 2: Steve and Ken expressed concerns that the hot short/spurious actuation information was not included in the plant risk notebooks. These notebooks are used in the SDP process and they were not sure how the hot shorts/spurious actuations could be included in the notebooks.

Agenda Item 3: Two ways were suggested to incorporate hot shorts/spurious actuations into the SDP, one involved refining the notebooks, and the other involved using the NEI 00-01 methodology.

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Agenda Item 4: Both strategies presented in agenda item 3 above were considered good. Refining the notebooks would fold into the current SDP process and would be a good final goal, but changing the notebooks is an involved and plant specific process. Using NEI 00-01, could be quicker, but would take the inspectors out of their normal method for evaluating risk (i.e., using the notebooks).

Agenda Item 5: It was decided to create two teams to attempt to resolve the issues with the two approaches. "Notebook" team will explore what will be involved to refine the notebooks to include hot shorts/spurious actuations. "00-01" team will evaluate if risk numbers (condition core damage probabilities) can be pulled from NEI 00-01 and the pilot studies to determine probabilities for risk associated with hot shorts/spurious actuations. One issue with the "00-01" team is whether NEI 00-01 can be used as a whole, or some numbers will be generated by NEI 00-01, in incorporated into the SDP.

The teams are as follows:

"Notebook" Ken Sullivan - Lead, Keith Began, Steve Nowlen, and Dan Frumkin. {Brookhaven notebook writers and See-Meng Wong of SPSB will be contacted for their support.}

"00-01" Fred Emerson - Lead, Mark Salley, Harry Barrett, Steve Nowlen, and Dan Frumkin

It is expected that the team leads will have contacts with their teams early next week, followed by a task group phone call on Thursday, March 6, 2003 at 1:30 p.m.

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