

July 25, 2005

MEMORANDUM TO: Rick Croteau, Acting Chief  
Materials Engineering Branch  
Office of Nuclear Regulatory Research

FROM: William H. Cullen, Jr., Project Manager */RA/*  
Materials Engineering Branch  
Office of Nuclear Regulatory Research

SUBJECT: **CORRECTED:** (TELECONFERENCING INFORMATION ADDED) NOTICE  
OF MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION  
STAFF, INDUSTRY REPRESENTATIVES, AND ELECTRIC POWER  
RESEARCH INSTITUTE/MATERIALS RELIABILITY PROJECT  
REPRESENTATIVES ON MITIGATION OF PRIMARY WATER STRESS  
CORROSION CRACKING

DATE AND TIME: August 25, 2005; 8:45 a.m. - 2:30 p.m.

LOCATION: Room T9-A01  
US Nuclear Regulatory Commission  
11545 Rockville Pike  
Rockville, MD 20852

PURPOSE: To discuss the status of research addressing the possibilities of reducing the susceptibility of primary water stress-corrosion cracking (PWSCC) nucleation or growth by mitigation of stress, by materials modification, or by chemical additions to the reactor coolant. To discuss specific experience and intentions by Southern Nuclear Company to explore the benefits of PWSCC mitigation by additions of a zinc compound to primary coolant.

PARTICIPANTS: NRC  
R. Barrett, RES/DET  
W. Cullen, RES/DET/MEB  
T. Mintz, RES/DET/MEB  
A. Lee, RES/DET/MEB  
A. Hiser, RES/DET/MEB  
B. Bateman, NRR/DE/EMCB  
T. Chan, NRR/DE/EMCB  
M. Mayfield, NRR/DE  
E. Sullivan, NRR/DE/EMCB  
K. Wichman, NRR/DE/EMCB  
J. Collins, NRR/DE/EMCB  
E. Richeltdt, NRR/DE/EMCB  
R. Martin, NRR/DLPM/LPD2  
J. Birmingham, NRR/DRIP/RPRP

Industry/EPRI/Nuclear Energy Inst.

J. Wilson, Exelon

Al Ahluwalia, EPRI

## PARTICIPANTS

(Continued):

### Southern Nuclear Operating Company/Westinghouse

|                  |                            |
|------------------|----------------------------|
| M. Stinson, SNC  | N. Liparello, Westinghouse |
| D. McKinney, SNC | C. Pezze, Westinghouse     |
| M. Dove, SNC     | R. Jacko, Westinghouse     |

CATEGORY: This is a category 2 meeting. The public is invited to participate in this meeting by discussing regulatory issues with the NRC at designated points identified on the agenda.

## TELECONFERENCE INFORMATION:

Individuals wishing to participate via telephone may call 1-888-396-9930 (Toll free), after 8:15 am Eastern Daylight Savings Time. Please call William Cullen, (301) 425 - 7510, prior to the day of the conference for the passcode and other teleconference-access-related information.

Attachment: Agenda

cc: See list

\*Meetings between NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, interveners, or other parties to attend pursuant to the Commission Policy Statement on "Staff Meetings Open to the Public: Final Policy Statement," 67 *Federal Register* 36920, May 28, 2002. Members of the public who wish to attend should contact William H. Cullen at (301) 415-7510 or [whc@nrc.gov](mailto:whc@nrc.gov) for information on security control and parking availability at the US Nuclear Regulatory Commission

Email:

|                            |                          |
|----------------------------|--------------------------|
| C. Paperiello, RES         | W. Bateman, NRR/DE/EMCB  |
| J. Wiggins, RES            | E. Sullivan, NRR/DE/EMCB |
| M. Mayfield, NRR/DE        | J. Collins, NRR/DE/EMCB  |
| R. Barrett, RES/DET        | K. Wichman, NRR/DE/EMCB  |
| A. D. Lee, RES/DET/MEB     | W. Koo, NRR/DE/EMCB      |
| A. L. Hiser, RES/DET/MEB   |                          |
| D. A. Jackson, RES/DET/MEB | PUBLIC                   |
| H. Graves, RES/DET/MEB     | ACRS                     |
| T. Mintz, RES/DET/MEB      | OGC                      |
| J. Muscara, RES/DET/MEB    | PMNS                     |

**PARTICIPANTS**

(Continued): Southern Nuclear Operating Company/Westinghouse  
M. Stinson, SNC N. Liparello, Westinghouse  
D. McKinney, SNC C. Pezze, Westinghouse  
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**DISTRIBUTION:** Mitigation of Primary Water Stress Corrosion Cracking Meeting - 8 - 25 - 2005

Email:

C. Paperiello, RES W. Bateman, NRR/DE/EMCB  
J. Wiggins, RES E. Sullivan, NRR/DE/EMCB  
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|        |                   |                |                    |
|--------|-------------------|----------------|--------------------|
| OFFICE | RES/DET/MEB       | RES/DET/MEB    | RES/DET/MEB        |
| NAME   | W. H. Cullen, Jr. | A. Lee/WHC for | R. Croteau/ALH for |
| DATE   | 8/19/05           | 8/19/05        | 8/19/05            |

|        |                        |                          |
|--------|------------------------|--------------------------|
| OFFICE | SISP Review Originator | SISP Review Branch Chief |
| NAME   | W. H. Cullen, Jr.      | R. Croteau/ALH for       |
| DATE   | 8/19/05                | 8/19/05                  |

OFFICIAL RECORD COPY

**Preliminary Agenda for Meeting on  
Mitigation of Primary Water Stress Corrosion Cracking (PWSCC)  
August 25, 2005  
8:45 a.m. -2:30 p.m.**

|               |   |   |
|---------------|---|---|
| 8:45          | Introductions   | W. Cullen, NRC  |
| 8:50 - 9:45   | Review of EPRI/MRP PWSCC Mitigation Programs  | J. Wilson, Exelon   |
| 9:45 - 10:00  | Break   |   |
| 9:45 - 10:30  | Continue Review of EPRI/MRP PWSCC Mitigation Programs   | J. Wilson   |
| 10:30 -10:45  | Break   |   |
| 10:45 - 12:00 | Presentation from Southern Nuclear on Research Plans<br>Addressing PWSCC Mitigation at Farley Units 1 & 2 | M. Stinson, SNC<br>M. Dove, SNC<br>R. Jacko, Westinghouse |
| 12:00 - 12:15 | Opportunity for Comments or Questions<br>from Public Attendees  | EPRI/NRC/Public   |
| 12:15 -1:15   | Lunch Break   |   |
| 1:15 - 2:15   | Conclude Review of EPRI/MRP PWSCC Mitigation Programs   | J. Wilson   |
| 2:15 - 2:30   | Opportunity for Comments or Questions<br>from Public Attendees  | EPRI/NRC/Public   |

**ATTACHMENT**