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USNRC: JDLAFLEUR, JR.
4/27/79: 492-7788
OES/NET/EIC: DHCOOPER

EUR/RPE: WBARMON {INFO}
NEA/RA: HENGELBRECHT {INFO}
IO/SCI: AJILLSON {INFO}

EA/RA: PCLEVELAND {INFO}
ARA: GJONES/JHENNEKE {INFO}
L/N: RJBETTAUER {INFO}

IMMEDIATE ATHENS, BERN IMMEDIATE, BOMBAY IMMEDIATE, BONN IMMEDIATE, BRASILIA IMMEDIATE, BRUSSELS IMMEDIATE, BUENOS AIRES IMMEDIATE,

USIAEA, USOECD, USEEC - PASS TO PARA L PARTIES ASAP

E.O. 11652: N/A

TAGS: TECH,

SUBJECT: THREE MILE ISLAND FOLLOW-UP

REF: A-0221

1. ADDRESSEES REQUESTED TO PASS FOLLOWING INFORMATION TO OFFICIAL NRC CONTACTS IN HOST GOVERNMENTS AND TO VISITING SENIOR U.S. OFFICIALS, ASAP, DURING DAYLIGHT HOURS, AND TO USE AS APPROPRIATE IN ANSWERING INQUIRIES. PLEASE NOTE THIS INFORMATION IS PRELIMINARY AND SUBJECT TO CONFIRMATION BY OFFICIAL NRC ORDER, WHICH WILL BE SENT TO ADDRESSEES WITHIN THE NEXT FEW DAYS.

2. IN ADDITION TO THE PROCEDURAL AND OTHER STEPS ALREADY TAKEN BY THE OPERATORS OF B&W PLANTS, ALL OF THESE B&W LICENSEES WILL TAKE THE FOLLOWING "SHORT-TERM" STEPS, ON THE SCHEDULE OUTLINED BELOW:

A. REVIEWING AND UPGRADING, AS APPROPRIATE, AUXILIARY FEED RELIABILITY AND PERFORMANCE {TIMELINESS};

B. REVIEWING RESULTS OF FMEA ANALYSIS OF ICS AND TAKING ACTIONS, AS TO REDUCE ITS LIKELIHOOD OF INITIATING OR EXACERBATING TRANSIENTS;

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C. HARD WIRING ANTICIPATORY SCRAM BASED ON FW TRANSIENTS;

D. REVIEWING DETAILED ANALYSES OF PLANT RESPONSE TO TRANSIENTS TO EFFECTS OF HPI INJECTION, AND RETURN TO NATURAL CIRCULATION COOLING AND

E. REVIEWING NEW AND AUGMENTED STANDING INSTRUCTIONS AND EMERGENCY PROCEDURES FOR PLANT OPERATORS DEVELOPED AS A RESULT OF A-D ABOVE, AND TRAINING PLANT OPERATORS AND THE NEW AND AUGMENTED INSTRUCTIONS AND PROCEDURES INCLUDING THE STATIONING OF A FULL-TIME DEDICATED OPERATOR TO TAKE APPROPRIATE PROMPT MANUAL ACTIONS.

3. SCHEDULE - THE FOUR OPERATING PLANTS INCLUDE 3 PLANTS OF DUKE POWER, IN OCONEE, SOUTH CAROLINA, AND THE SMUD UNIT AT RANCHO SECO, CALIF. THESE FOUR OPERATING PLANTS WILL BE SHUT DOWN ACCORDING TO THE FOLLOWING SCHEDULE: ONE UNIT OF DUKE POWER AND RANCHO SECO - APRIL 28; SECOND UNIT OF DUKE POWER - MAY 12; THIRD UNIT OF DUKE POWER - MAY 19.

4. NONE OF THE PRESENTLY SHUTDOWN B&W PLANTS WILL BE STARTED UP UNTIL THESE STEPS ARE TAKEN. THE ROUGH NRC ESTIMATE IS THAT THESE CHANGES CAN BE MADE IN ABOUT ONE MONTH.

5. SOME LONGER-TERM DESIGN, PROCEDURAL, AND TRAINING CHANGES ARE STILL ALSO BEING CONSIDERED BY NRC.

6. THE ABOVE MEASURES ARE BASED ON A SCHEDULE AGREED TO BY THE VARIOUS B&W PLANT LICENSEES. THE NRC COMMISSIONERS VOTED ON WHETHER TO ISSUE AN NRC ORDER THAT THESE SHORT-TERM STEPS WOULD BE TAKEN. THE VOTE WAS 3-2 IN FAVOR OF ISSUING A FORMAL ORDER.

7. IN PARA 2B ABOVE, FMEA IS "FAILURE MODE EFFECTS AND ANALYSIS" AND ICS IS "INTEGRATED CONTROL SYSTEMS." 44

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