

*D. Rickett*

DEC 07 1981

MEMORANDUM FOR: Darrell G. Eisenhut, Director  
Division of Licensing

FROM: G.C. Lainas, Assistant Director  
for Safety Assessment  
Division of Licensing

SUBJECT: SUMMARY OF THE OPERATING REACTOR EVENTS MEETING  
ON DECEMBER 2, 1981

On December 2, 1981, an Operating Reactor Event meeting was held to brief the Office Director, the Division Directors, and their representatives on events which occurred since the last meeting. The list of meeting attendees is included as Attachment 1.

The events discussed and the significant elements of these events are presented in Attachment 2. In addition to these events, the assignment of follow-up review responsibility was discussed. The assignments made during this meeting and the status of previous assignments are presented in Attachment 3.

The next Operating Reactor Events meeting is scheduled for December 9, 1981.

*G.C. Lainas*

G.C. Lainas, Assistant Director  
for Safety Assessment  
Division of Licensing

Attachments:  
As stated

cc w/attachments:  
Meeting Attendees  
ORAB Members

- |              |                |
|--------------|----------------|
| H. Denton    | T. Novak       |
| E. Case      | G. Lainas      |
| R. Mattson   | R. Tedesco     |
| R. Vollmer   | D. Crutchfield |
| S. Hanauer   | G. Holahan     |
| T. Murley    | H. Thompson    |
| C. Michelson |                |
| C. Heltemes  |                |

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PDR FOIA  
ARNOLD82-338 PDR

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	DL:ORAB	DL:ORAB/SL	DL:ORAB/ABC	DL:AD/SA		
SURNAME	DPickett	GHolahan:sah	DCrutchfield	GLEinas		
DATE	12/7/81	12/17/81	12/7/81	12/7/81		

LIST OF ATTENDEES

H. Denton  
R. Mattson  
R. Vollmer  
S. Hanauer  
E. Jordan  
R. Baer  
G. Lainas  
E. Case  
F. Schroeder  
J. Kramer  
T. Ippolito  
D. Crutchfield  
J. Carter  
W. Minners  
A. Dromerick  
G. Holahan  
J. Stolz  
P. O'Conner  
R. Snaider  
K. Eccelston  
W. Ross  
S. Rubin  
P. McKee  
M. Chiramal  
E. Sullivan  
J. Hegner  
C. Tropf  
G. Bagchi  
D. Pickett

# OPERATING REACTOR EVENTS BRIEFING

DECEMBER 2, 1981

- R.E. GINNA - INADVERTENT ACTUATION OF FIRE PROTECTION SYSTEMS IN SIX ZONES DURING LAMP TEST (NOVEMBER 14, 1981) (RSNAIDER)
  - TWO RODS INDICATED DROPPED; OPERATORS SCRAMMED PLANT
  - TEST PROCEDURES NOT FOLLOWED
  - POTENTIAL ELECTRICAL SYSTEM DESIGN PROBLEM
  - LICENSEE INVESTIGATING USE OF CLOSED-HEAD SYSTEM FOR PROBLEM AREAS
  - SPRINKLER ACTIVATION IN THE DRESDEN 3 HPCI ROOM ALSO BEING REVIEWED
  
- DRESDEN 3 - DG COOLING SYSTEM FAILURE (NOVEMBER 19, 1981) (PG'CONNOR)
  - SIMILAR TO FAILURES ON BOTH DG'S ON OCTOBER 23, 1981
  - DG DEDICATED TO UNIT 3 DECLARED INOPERABLE
  
- H.B. ROBINSON UNIT 2 - WATER LEAKAGE OUTSIDE CONTAINMENT AND SUBSEQUENT COMPONENT FAILURES (NOVEMBER 30, 1981) (IE)
  - 50 GPM LEAK IN CHECK VALVE IN LINE TO RCP SEALS
  - RCP'S SECURED
  - PRESSURIZER HEATERS WERE SHUT OFF AND PORV BLOCK VALVES WERE OPENED TO RELIEVE PRESSURE
  - BLOCK VALVE FAILED PARTIALLY OPEN CAUSING SI ON LOW PRESSURIZER PRESSURE. PORV'S KNOWN TO HAVE HIGH LEAK RATES

- BLOCK VALVES WERE MANUALLY CLOSED, PRESSURIZER LEVEL WAS RESTORED, SI RESET
- DURING TRANSIENT THREE ADDITIONAL INCIDENTS OCCURRED - DIESEL GENERATOR FAILURE, RELIEF VALVE ON LET-DOWN LINE FAILED, PLANT RECEIVED A BOMB THREAT
- PILGRIM - SRV FAILURES AND UPDATE ON HIGH DRYWELL TEMPERATURE (NOVEMBER 19, 1981)
  - ALL FOUR 2-STAGE TARGET-ROC SRV'S FAILED SETPOINT TESTING
  - VALVES HAVE SEVERE PILOT DISC EROSION
  - DRYWELL TEMPERATURES OF 220<sup>0</sup>F TO 240<sup>0</sup>F REPORTED
  - CABLES IN DRYWELL, ASSOCIATED WITH SAFETY RELATED COMPONENTS, FOUND DAMAGED
  - REPLACEMENT SCHEDULED BEFORE PLANT STARTUP
  - NRR-IE REVIEWING SAFETY SIGNIFICANCE OF OPERATION AT HIGH DRYWELL TEMPERATURE
- SAN ONOFRE UNIT 1 - UPDATE ON ECCS MODIFICATIONS
  - HOT SIS TEST ON 11/23/81 DEMONSTRATED VALVE OPERABILITY
  - MEASURED OPENING FORCE: 6617 LBS  
2356 LBS
- TURKEY POINT UNIT 4 - LOW TEMPERATURE OVERPRESSURIZATION (NOVEMBER 29, 1981) (IE)
  - OCCURRED DURING LOW POWER TESTING FOLLOWING REFUELING
  - WHILE AT 110<sup>0</sup>F, RCS PRESSURE REACHES 1100 PSIG (TECH SPEC LIMIT IS 480 PSIG)
  - LICENSEE INDICATED THAT WESTINGHOUSE ANALYSIS INDICATES NO PROBLEMS
  - ONE PORV INOPERABLE AT TIME OF EVENT, SECOND PORV FAILED DUE TO ELECTRICAL PROBLEM

OFFICE OF INSPECTION AND ENFORCEMENT

Items of Interest

Week Ending November 27, 1981 -

Preliminary Notifications relating to the following actions were dispatched during the week.

- a. PNO-I-81-125 Metcor, Inc. - Vehicle Discovered Carrying Radioactive Materials in Apparent Non-compliance with DOT Regulations
- b. PNO-I-81-126 Indian Point Unit 3 - Unit Shutdown to Repair RCP Motor
- c. PNO-II-81-103 Sequoyah Unit 2 - Generator Exciter Damage Extends Outage
- d. PNO-II-81-104 Farley Units 1 and 2 - Strike at Plant Farley
- e. PNO-II-81-105 Robinson 2 - Outage Due to Steam Generator Tube Leak
- f. PNO-III-81-103 Testing Engineers and Consultants, Inc. - Stolen Van Containing Density Gauge (8.0 Millicuries CS-137 and 40.0 Millicuries AM-241)
- g. PNO-III-81-104 Monticello Nuclear Power Station - Extension of Shutdown for Greater Than 48 Hours
- h. PNO-V-81-68 San Onofre Nuclear Generating Station, Unit No. 1 - Inadvertent Spray Down of Containment Due to Leaky Butterfly Valves
- i. PNO-TMI-81-22 Three Mile Island, Unit 1 - Steam Generator Tube Leak

OFFICE OF INSPECTION AND ENFORCEMENT

ITEMS OF INTEREST

Week Ending November 20, 1981

Preliminary Notifications relating to the following actions were dispatched during the week:

- a. PNO-I-81-24 United Priority Transit Corporation - Transportation Incident
- b. PNO-II-81-93A Sequoyah Nuclear Plant - State of Tennessee Distribution of Potassium Iodide
- c. PNO-II-81-101 McGuire Unit 1 - Steam Generator Tube Tests
- d. PNO-II-81-102 Sequoyah Unit 2 - Inoperable Control Rod
- e. PNO-III-81-89B Dresden Unit 3 - Emergency Diesel Generator Inoperable
- f. PNO-III-81-101 Davis-Besse - Shutdown in Excess of 48 Hours
- g. PNO-III-81-102 Kerr-McGee Chemical Corp. - Localized Fire
- h. PNO-V-81-66 Diablo Canyon Unit Nos. 1 & 2 - Storm Damage to Plant Intake Area Breakwater
- i. PNO-V-81-67 San Onofre Nuclear Generating Station Unit 1 - Both Diesel Generators Inoperable

OFFICE OF INSPECTION AND ENFORCEMENT

Items of Interest

Week Ending November 13, 1981

Preliminary Notifications relating to the following actions were dispatched during the week:

- a. PNO-I-81-120A Massachusetts General Hospital - Loss of Iridium-192 Seeds
- b. PNO-I-81-122 Calvert Cliffs Unit 2 - Unplanned Gaseous Radioactive Release
- c. PNO-I-81-123 Indian Point Unit 2 - Unit Shutdown to Repair RCP Seal
- d. PNO-II-81-94 Sequoyah 2 - Initial Criticality
- e. PNO-II-81-95 Crystal River 3 - Reactor Coolant System Overfilling Due to Improper Valve Lineup
- f. PNO-II-81-96 Bellefonte Unit 1 - Onsite Fatality
- g. PNO-II-81-97 McGuire 1 - Evacuation of the Fuel Handling Building
- h. PNO-II-81-98 Nuclear Fuel Services, Inc. - Nuclear Fuel Services, Inc., November 9, 1981 Reported Inventory Difference
- i. PNO-II-81-99 McGuire Unit 1 - Media Interest in Reactor Containment Evacuation
- j. PNO-II-81-100 Sequoyah 1 and 2 - Release of Radioactivity Into Auxiliary Building
- k. PNO-III-81-97 Quad Cities Units 1 & 2 - Loss of Essential Service Bus
- l. PNO-III-81-98 Monticello Nuclear Power Station - Media Interest Concerning Welder Certification Allegations
- m. PNO-III-81-99 Zion, Unit 2 - Failure of Reactor Vessel Level Instrument Line
- n. PNO-III-81-100 Perry, Unit 1 - Possible Containment Steel Weld Defects
- o. PNO-V-81-65 San Onofre Unit 2 - Reactor Vessel Internals Installation

INCOMPLETE ITEMS

Meeting Date	Responsible Branch	Task Description	Comment
10/31/80	ORAB/IE	Generic review of Tech Specs to assure decay heat removal capability in all modes and surveillance of heat exchangers.	OREM under development; revise draft circular to include 5/6/81 events.
12/31/80	DE(MTEB)	Review of VEPCO claim that turbine disc failure would not penetrate turbine casing.	5/19/81 awaiting topical report from Westinghouse.
1/07/81	RRAB	Review Hatch 1 and 2 history of problems with mechanical systems.	Resources not programmed, reviewers priority NTCP ( 3 week effort required).
1/28/81	ORAB	Followup of Palisades Loss of DC Battery Power.	OREM under development 3/19/80.
4/08/81	IE	Include description of Millstone 1 event in IE Notice.	Awaiting information.
2/22/81	E. Case	Accelerated determination of who will assume prior OEEB function of tracking operating event experience.	
5/06/81	IE	Investigate cracking in FW regulatory valves at Beaver Valley; determine if generic problem.	Awaiting information.
5/06/81	ORAB/AEOD/DSI	Continue review of loss of DC.	Operating Reactors Event memorandum (ORAB) in concurrence.
5/06/81	DST	Review pump seal failures.	Ongoing review.
5/06/81	ORAB	Compile plant by plant list of briefing events since 12/80.	Computer Program under development.
5/13/81	DST	Review TS action statements requiring rapid shutdown (1 hr) with respect to safety significance.	i.e., CR-3 filter requirement.
5/13/81	DSI	Establish a plan to assure adequate review of Bulletin 79-27.	A. DSI developed bulletin review approach - Complete. B. DL has lead to coordinate bulletin supplement with IE.



ing Date	Responsible Branch	Task Description	Comment
6/03/81	IE	Provide followup regarding San Onofre contaminated sand-source identification.	
7/24/81	DL/DST/DE	Provide recommendations to change SRP as necessary as a result of North Anna fire investigation.	
7/24/81	DE	Address MSIV failures in licensing review of Zimmer and LaSalle.	
7/24/81	DL	PM to report on status of loose parts problem at Oconee.	Report given 10/7/81 - update requested.
8/07/81	ORAB	Check Beaver Valley requirement for availability of power to ECCS valves.	
8/07/81	ORAB	Determine generic implications of Palisades loss of DHR.	Included in NRR study of Air System failures.
9/7/81	DSI/DHF	Determine the acceptability of reactor water level oscillations; evaluate the effect of high drywell temperature on the level water columns.	
9/7/81	DL	PM to have meeting with licensees and NSSS suppliers on thermal shield bolt failures and their safety significance.	Meeting to be held on 9/9/81.
10/28/81	DL	PM to update report on Hatch 1 fuel damage.	
10/28/81	DL	PM to update report on St. Lucie steam generator tube problem.	
10/28/81	IE	Write information Notice on Dresden 3 diesel generator cooling water system failure.	
10/28/81	PM	Notify the board about the cracks in Diablo Canyon Units 1 and 2 batteries.	

Meeting Date	Responsible Branch	Task Description	Comment
12/2/81	DL	PM to update reports on Dresden 3 diesel generator cooling water system failure.	Due 12/9/81
12/2/81	DL	PM to determine if voiding occurred in primary system during SI transient at Robinson 2.	
12/2/81	IE	Provide update on Pilgrim cable damage and SRV failures.	Due 12/9/81
12/2/81	DSI/DE	RE: PORV and block valve problems at Turkey Point 4 and Robinson 2.  DSI to investigate role of PORV and block valves.  DE to investigate operability and mechanics of PORV and block valves.	ORAB will draft a Task Interface Agreement defining work scope.
12/2/81	ORB#2	Ippolito to consult with GE before developing generic letter on two-stage and three-stage Target-ROC SRV's.	