

OCT 13 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 OCTOBER 7, 1981

On October 7, 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 October 14, 1981.

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

Attachments:  
As stated

cc w/attachments:  
Meeting Attendees  
ORAB Members  
H. Denton  
E. Case  
R. Mattson  
R. Vollmer  
S. Hanauer  
T. Murley

T. Novak  
G. Lainas  
R. Tedesco  
D. Crutchfield  
G. Holahan  
H. Thompson

8210050520 820628  
PDR FOIA  
UDELL82-261 PDR

A:12  
(17)

OFFICE	DL:ORAB	DL:ORAB/SL	DL:ORAB/BC	DL:AD/SA		
SURNAME	JCalvo:sah	GHolahan:sah	JTshinski	GLainas		
DATE	10/9/81	10/9/81	10/13/81	10/7/81		

MEETING ATTENDEES

E. Case  
G. Schwenk  
G. Lainas  
D. Crutchfield  
H. Ornstein  
R. Mattson  
R. Vollmer  
D. Eisenhut  
S. Nowicki  
J. Calvo  
T. Murley  
M. Chiramal  
W. Mills  
E. Jordan  
A. Dromerick  
G. Holahan  
J. Collins  
R. DeYoung  
V. Moore  
R. Bosnak  
F. Cherney  
C. Graves  
R. Clark  
P. Wagner  
H. Berkow  
D. Jaffe  
P. McKee  
E. Goodwin  
F. Schroeder

OPERATING REACTORS EVENTS BRIEFINGOCTOBER 7, 1981

- OCONEE UNIT 2, SEPTEMBER 21, 1981 - PRIMARY SYSTEM LEAK, 92% (IE)
  - PRIMARY TO SECONDARY LEAK IN STEAM GENERATOR, 30 GPM
  - RELEASE THROUGH STACK LESS THAN 1% OF TS LIMIT
  - CONTROLLED SHUTDOWN
  - AFFECTED STEAM GENERATOR ISOLATED
  
- INDIAN POINT UNIT 3, STEAM GENERATOR TUBE INSPECTION STATUS UPDATE (IE)
  
- OCONEE UNIT 1, THERMAL SHIELD BOLT FAILURE, REFUELING (PM- P. WAGNER)
  - BOLT INSPECTION CONTINUING
  
- CALVERT CLIFFS UNIT 2, SEPTEMBER 22, 1981 - SECONDARY SYSTEM LEAK 100% POWER (PM- D. JAFFE)
  - HIGH PRESSURE FEEDWATER HEATER DRAIN LINE FAILURE
  - REACTOR TRIPPED MANUALLY
  - ULTRASONIC TESTING AT BREAK LOCATION IDENTIFIED .065 INCH WALL THICKNESS (.28 INCH NOMINAL)
  
- PILGRIM UNIT 1, OCTOBER 1, 1981 - REACTOR WATER LEVEL INSTRUMENT OSCILLATIONS, 0% (IE)
  - DRYWELL COOLERS DEGRADATION
  - HIGH DRYWELL TEMPERATURE AFFECTING LEVEL WATER COLUMNS
  
- SAN ONOFRE UNIT 1, FOLLOWUP ON SAFETY INJECTION SYSTEM FAILURES (PM- S. NOWICKI)

OFFICE OF INSPECTION AND ENFORCEMENT

Items of Interest

Week Ending October 2, 1981

1. The following Notifications of Significant Enforcement Action were dispatched during the past week:
  - a. EN-81-33 Union Electric Company - A Notice of Violation and Proposed Imposition of Civil Penalties in the amount of \$2,000 was issued to subject licensee on September 25, 1981. This action was based on alleged violations relating to the failure to follow procedures to lock out level gauges, which contained radioactive material, before the licensee's personnel performed maintenance in the coal hoppers in which the gauges were installed. This resulted in an individual receiving a calculated 3.5 rem whole body exposure.
  - b. EN-81-34 Notices of Violation were forwarded on September 22, 1981, to six licensees for their failure to inform NRC prior to July 1, 1981 of their inability to complete implementation of the prompt public notification system. This system was required to be operational by July 1, 1981 in accordance with the revised emergency planning rule of 10 CFR 50.54(S)(2). This rule requires each nuclear power reactor licensee to demonstrate that administrative and physical means have been established for alerting and providing prompt instructions to the public within the plume exposure pathway of the Emergency Planning Zone within about 15 minutes. The Notices of Violation were sent to: Dairyland Power Cooperative-LaCrosse, Consumers Power Company - Palisades, Tennessee Valley Authority - Browns Ferry, Units 1, 2, and 3, Wisconsin Public Service Corporation - Kewaunee, Iowa Electric Light and Power - Duane Arnold, and Jersey Center Power & Light Company - Oyster Creek.
  - c. EN-81-35 Carolina Power and Light Company (Brunswick Unit 2) - A Notice of Violation and Proposed Imposition of Civil Penalties in the amount of \$40,000 was issued to subject licensee on October 1, 1981. This action was based on alleged violations involving failure to perform an adequate radiation survey that resulted in an exposure to an individual in excess of NRC limits and the use of a technically unqualified radiation control technician that was a causative factor to the excessive radiation exposure.
  - d. EN-81-36 Nuclear Diagnostics - A Notice of Violation and Proposed Imposition of Civil Penalties in the amount of \$1,000 will be issued on or about October 6, 1981, to subject licensee. This action is based on alleged violations involving failure to perform adequate surveys that resulted in an uptake by an employee into the body of iodine-125 in excess of NRC limits. Three other violations not related to the excessive internal exposure occurrence were also found. The nature and significance of those items were such that civil penalties would not be warranted.
2. Preliminary Notifications relating to the following actions were dispatched during the week:
  - a. PNO-I-81-108 J. A. FitzPatrick - Inadvertent Liquid Release
  - b. PNO-I-81-109 United States Pipe and Foundry Company - Reported Possible Overexposure
  - c. PNO-II-81-52B Oconee Nuclear Station Units 1, 2 and 3 - Loose Parts Identified in Reactor Coolant System

- d. PNO-II-81-81 McGuire Unit 1 - Unplanned Outage
  - e. PNO-II-81-82 Chem-Nuclear Systems, Inc. - Waste Shipments Resulting in Fines by South Carolina
  - f. PNO-II-81-83 Sequoyah Unit No. 1 - Worker Injury
  - g. PNO-III-81-83 Davis-Besse Nuclear Power Station - Minor Unplanned Airborne Radioactivity Release
  - h. PNO-IV-81-26 Houston Lighting & Power Co., South Texas Project, Units 1 & 2 - Reallocation of Responsibilities for Certain Functions at the South Texas Project
  - i. PNO-IV-81-27 Arkansas Nuclear One, Unit 1 - Unit Shutdown Exceeding 48 Hours
  - j. PNO-V-81-49 San Onofre Nuclear Generating Station, Unit No. 1 - Containment Spray Initiated by Failure of Power Supply
  - k. PNO-V-81-50 Diablo Canyon Unit Nos. 1 & 2 - Inoperability of the Residual Heat Removal (RHR) System - Incorrect Seismic Analysis
  - l. PNO-V-81-51 U.S. Ecology, Inc., Richland, Washington Burial Site - Banning of Boone County Hospital (NRC Licensee), Columbia, Missouri from Burial of Low-level Radioactive Waste Shipments
  - m. PNO-V-81-52 U.S. Ecology, Inc., Richland, Washington Burial Site - Banning of Consumers Power Company (NRC Licensee), Big Rock Point, Charlevoix, Michigan from Burial of Low-level Radioactive Waste Shipment
  - n. PNS-I-81-19 United Nuclear Corporation, Naval Products - Bomb Threat
  - o. PNS-II-81-13 Brunswick Units 1 and 2 - Bomb Threat
  - p. PNS-II-81-14 Babcock & Wilcox, Commercial Nuclear Fuel Plant, Lynchburg, VA - Transportation Accident
3. The following IE Information Notice was issued:
- a. IE Information Notice 81-30, "Velan Swing Check Valves", was issued on September 28, 1981 to all nuclear power reactor facilities holding an operating license or construction permit.
4. Other Items:
- a. Activities of the Division of Emergency Preparedness -

OFFICE OF INSPECTION AND ENFORCEMENT

Items of Interest

Week Ending September 25, 1981

1. The following Notifications of Significant Enforcement Action were dispatched during the past week:
  - a. EN-81-31 Tennessee Valley Authority, Sequoyah Unit 2 - A Notice of Violation and a Notice of Proposed Imposition of Civil Penalties in the amount of \$40,000 was issued to subject licensee on September 24, 1981. This action was based on apparent items of noncompliance at the Sequoyah facility which resulted in exceeding a Technical Specification Limiting Condition for Operation. The immediate cause of the event was a failure to return three recirculation valves in the containment spray system to their normally locked-shut position, as required by procedure. This failure rendered a system designed to prevent or mitigate a serious safety event unable to perform its intended function.
  - b. EN-81-32 Public Service Electric and Gas Company, Salem Nuclear Generating Station, Units 1 and 2 - A Notice of Violation and a Notice of Proposed Imposition of Civil Penalties in the amount of \$40,000 was issued on September 24, 1981 to subject licensee. This action was based on apparent items of noncompliance at the Salem facility which demonstrated inadequacies in the management of the licensee's physical security program. These items concerned the abuse of the licensee's photobadge system by the site security force.
- .. Preliminary Notifications relating to the following actions were dispatched during the week:
  - a. PNO-I-81-105 E. L. Conwell and Company - Stolen Radiography Source
  - b. PNO-I-81-106 Salem Nuclear Generating Station, Unit 2 - Extended Shutdown for Steam Generator Inspection
  - c. PNO-II-81-73A Farley Unit 1 - Unplanned Outage Due to Main Generator Failure
  - d. PNO-II-81-77 Oconee Unit 2 - Steam Generator Tube Leak
  - e. PNO-II-81-78 Brunswick 1 and 2 - Transportation Accident Involving Radioactive Material
  - f. PNO-II-81-79 Grand Gulf Unit 1 - Offsite Arrest of a Senior Reactor Operator
  - g. PNO-II-81-80 Farley Units 1 and 2 - Alabama Power Company Drug Use Investigation
  - h. PNO-III-81-81 Prairie Island, Unit 1 - Blockage of One Pressurizer Safety Valve
  - i. PNO-III-81-82 La Crosse Boiling Water Reactor (Dairyland Power Cooperative) - Loss of Containment Integrity

- j. PNO-TMI-81-19 Three Mile Island, Unit 2 - Reactor Building Basement/  
Sump Water Transfers
  - k. PNO-TMI-81-20 Three Mile Island, Unit 2 - Reactor Building Sump/Basement  
Water Processing
  - l. PNO-TMI-81-21 Three Mile Island, Unit 2 - Reactor Building Sump/Basement  
Water Processing (Update)
3. The following IE Information Notice was issued:..
- a. IE Information Notice 81-29, "Equipment Qualification Testing Experience",  
was issued on September 24, 1981 to all nuclear power reactor facilities  
holding an operating license or construction permit.
4. The following IE Circular was issued:
- a. IE Circular 81-13, "Torque Switch Electrical Bypass Circuit for Safeguard  
Service Valve Motors", was issued on September 25, 1981 to all nuclear  
power reactor facilities holding an operating license or a construction  
permit.
5. Other Items:
- a. Region II:  
  
Vogtle construction site - On 9/23/81, while making a concrete pour in a  
confined area, 11 workers were overcome by carbon monoxide fumes produced  
by a gasoline powered vibrator. Four of the workers required continued  
monitoring at a local hospital. No serious injuries were sustained. No  
PN was issued.
  - b. Activities of the Division of Emergency Preparedness:

September 23, 1981

Deputy Director and Chief, IRB, participated at the NRC State Liaison Officer's  
meeting.

Staff member from EPLB assisted a FEMA Region 3 representative with development  
of testimony for the Susquehanna hearings.

Staff member from EPLB participated in the Summer hearing.

## Items of Interest

Week Ending September 18, 1981

1. Preliminary Notifications relating to the following actions were dispatched during the week:
  - a. PNO-I-81-103 Millstone Nuclear Power Station, Unit 3 - Fire at Construction Site
  - b. PNO-I-81-104 Pilgrim, Unit 1 - Potential Violation of Containment Integrity - No Release of Activity
  - c. PNO-II-81-72 Sequoyah 2 - Radioactive Gas Release In-plant
  - d. PNO-II-81-73 Farley 1 - Unplanned Outage Due to Main Generator
  - e. PNO-II-81-74 Sequoyah 1 and 2 - Acid Spill
  - f. PNO-II-81-75 McGuire Unit 1 - Reactor Coolant System Leak and Safety Injection
  - g. PNO-II-81-76 General Electric Company, Wilmington Manufacturing Department - Uranium Hexafluoride (UF<sub>6</sub>) Release
  - i. PNO-III-81-79 Zion Unit 2 - Inoperative Auxiliary Feedwater Pumps
  - j. PNO-III-81-80 Dresden Unit 3 - Unit Shutdown as a Result of Inoperable ECCS Components

### 2. Other Items:

#### a. Region II:

Sequoyah 2 is delaying critical until 9/21/81 because of pump seal repair. No PN was issued.

A woman was killed at the Vogtle construction site 9/14/81 when hit by a grader. No PN was issued.

#### b. Activities of the Division of Emergency Preparedness:

September 17, 1981

A meeting of headquarters and regional Emergency Preparedness review teams was held on 9/17/81 to discuss means of expediting onsite emergency preparedness appraisals and reports. As a result of this meeting, report length will be reduced and report review procedures improved. Schedules for the remaining site visits and personnel assigned to the teams will be stabilized and consultation on schedule changes improved to reduce stress on team leaders and team members. The Director, Deputy Director and Branch Chiefs of DEP participated as well as three Regional Division Directors and the Deputy Director of Region IV. To date, 21 site visits have been completed and 5 reports issued.

September 18, 1981

Director, EP, will participate in a meeting requested by several members of public interest groups on a variety of subjects related to emergency preparedness.



INCOMPLETE ITEMS :

<u>Meeting Date</u>	<u>Responsible Branch</u>	<u>Task Description</u>	<u>Comment</u>
12/31/80 5/6/81	ORAB/IE	Generic review of Tech Specs to assure decay heat removal capability in all modes & surveillance of heat exchangers.	OREM under development; revise draft circular to include 5/6/81 events.
12/31/80 1/7/81	ORAB	Monitor experience with SDV Continuous Monitoring Systems.	Update given on 1/7/81.
12/31/80	DE(MTEB)	Review VEPCO claim that turbine disc failure would not penetrate turbine casing.	5/19/81 awaiting topical report from Westinghouse.
1/7/81	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.
4/8/81	IE	Include description of Millstone 1 event in IE Notice.	Awaiting information.
4/22/81	E. Case	Accelerated determination of who will assume prior QEEB function of tracking operating event experience.	
5/6/81	IE	Investigate cracking in FW regulatory valves at Beaver Valley; determine if generic problem.	Awaiting information.
5/6/81	ORAB/AEOD/DSI	Continue review of loss of DC.	Operating Reactors Event memorandum (ORAB) in concurrence.
5/6/81	ORAB	Determine length of time RCIC can independently remove decay heat.	Complete; 9/29/81 memo Jolshinski to Deisenhut.
5/6/81	DST	Review pump seal failures.	Ongoing review.
5/6/81	ORAB	Compile plant by plant list of briefing events since 12/80.	Computer Program under development.