From:

John R. White (JRW1) R-I

To:

CMB

Margo Bridgers, EDO

Date: Thursday, May 5, 1994 4:36 pm

Subject:

JRW1

RELATIVE TO YOUR QUESTIONS FOR MONDAY COMMISSION MTG. OR SALEM RESTART:

1. LICENSEE PERSONNEL WHO WILL SPEAK AT THE TABLE:

JAMES FERLAND, CHAIRMAN AND CHIEF EXECUTIVE OFFICER, PSE&G STEVE MILTENBERGER, SENIOR VICE PRESIDENT, NUCLEAR OPERATIONS, PSE&G

OTHER SUPPORTING PERSONEL:

JOSEPH HAGAN, VICE PRESIDENT- OPERATIONS; AND SALEM MANAGER-OPERATIONS, PSE&G

ROBERT DOUGHERTY, EXECUTIVE VICE PRESIDENT-ELECTRIC PRODUCTION, PSE&G

FRANK THOMSON, MANAGER, NUCLEAR LICENSING, PSE&G

2. REGION I PERSONNEL WHO WILL SPEAK:

THOMAS T. MARTIN, REGIONAL ADMINISTRATOR, REGION I CHARLES MARSCHALL, SENIOR RESIDENT INSPECTOR, SALEM/HOPE CREEK ROBERT SUMMERS, PROJECT ENGINEER; AIT TEAM LEADER

- 3. LICENSEE WILL BE BRING DISCUSSION SLIDES, PHOTOGRAPHS, AND OTHER DOUMENTATION.
- 4. THE LICENSEE DOES NOT EXPECT TO SEND ANY DOCUMENTATION AHEAD OF TIME. REGION I WILL DEVELOP 4 OR 5 SLIDES FOR PRESENTATION AND WILL E-MAIL WHEN COMPLETED.
- 5. TIME FOR EACH GROUP:

LICENSEE PRESENTATION IS EXPECTED TO RUN 1 TO 1.5 HOURS, DEPENDING ON QUESTIONS. REGION I PRESENTATION IS EXPECTED TO RUN 15 TO 30 MINUTES.

CC: JTW1, MWH, TTM, WDL, JPD, RJS, CSM

K/24





UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

May 6, 1994

Cys: Taylor
Milhoan
Thompson
Blaha
Russell, NRR
Martin, RI
EDO R/F
Lieberman, OE
EDO 7629

The Honorable Joseph Biden United States Senate Washington, D.C. 2051)

Dear Senator Biden:

The recent alert at the Salem Nuclear Power Plant led the staff to dispatch an Augmented Inspection Team (AIT) to that site so that the events leading up to, during, and after the reactor trip of April 7, 1994, would be thoroughly understood. Our staff has briefed your staff concerning that inspection.

I want you to know that the Commission and the staff are concerned about recent operations and performance at Salem. The staff is holding a public meeting today, on site, with the licensee in order to thoroughly discuss their activities subsequent to the April 7 event and to address deficiencies as part of an overall improvement effort. The Commission has scheduled a meeting with the licensee and the NRC staff on Monday, May 9, 1994, so that we can fully understand the actions that the licensee has taken to prepare for restart of Salem Unit 1.

We will keep you informed of our ongoing activities at Salem. Our activities will be geared to ensuring that licensee efforts to improve performance are effective and sustained.

Sincerely,

Ivan Selin

K/25

9405200072 140.p.

COMMISSION MEETING SALEM MAN 4/7/94 EVENT



May 9, 1994 Presented By: Thomas T. Martin



SLIDE

STITE EVENT BEEN ABOUT 10:16 AM ON 4/1/44 WHOW PLANT OPERMORS BEZIND TO REDUCE POWER TO COMPONSMIE FOR SEA GRASS ECLOGGING OF CIRCULATING WATER PUMP SCREENS. AT 10:47 AM THE REACTOR SCRAHMED, THE NUMBER PROPERTY AND THE PLANT EXPERIENCED A SAFETY IN JEETON INITIATION

RESIDENT STAFF RESPONSE

The Licensee informed the NRC PSE&G informs resident staff of unit trip U/, 15 minutes

SRI responds to control room and subsequently THE WOOLD SUPPLIED TO MONITOR I ASSESS ACT.

THE WOOLD SUPPLIED TO RI TO TSE ONCE MONEY

TO THE WOOLD SUPPLIED TO REAL TO TSE ONCE MONEY

TO THE POSICIONAL SET UP TO REAL REPORTS. notifies Region I, The Continuous resident state coverage NRC NRC NRC and communication maintained until Augmented Inspection Team arrival TRC the wext day.

REGIONAL RESPONSE TO EVENT

I THE LEENSE PSE&G declared Unusual Event at 11:00 a.m.; and Alert at 1:16 p.m.

Region I and HQ activate response center for event monitoring from ≈1:00 p.m. until 9:00 p.m. <

PSE&G terminates Alert at 8:20 p.m.

> SRI INFORMS BC O BC INFORMS DRA The assessment @ that a danger to the public but mey munitarmy & littely · DRA I JORDAN MONITER MODE - would be reported to NAC & 1131 200RA I JORON

NOTIFY WEDD OFFICE

· LIC REQUESTS ENT D Time to Hot 5/0 DUE ST BLOCKED

ex GAZ

AUGMENTED INSPECTION TEAM

The DRA

approval, decided to dispatch AIT

• AIT initiated due to event complexity and unexpected system responses

50 office informed

- PLANS FOR AIT
APPER S/O I STABLE

OCCUMENTED IN CR

MANAGERIANT LOND
ASSILNED TO DIR, DRS

(SLIDE 4)

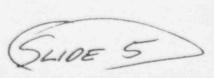
THE SUM BOB SUMMORS, PE, REZION IN SINE TENT.

AUGMENTED INSPECTION TEAM (continued)

- AIT Team members selected
 - Region I Lead MR. BOB SUMMORS, PE
- > Members, from Region, NRR, AEOD states

 personnel selected relative to based on their
 technical expertise
 - We State observers

 65 New Jossel, Dept of ENVIRONMENTE RESOURCES



THAIT CHARTER WES

- Developed and issued on 4/8/94, including requirements to
 - Review plant trip and response of management, operators, and systems
 - 1° Development of sequence of events and associated causal

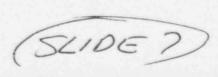


Assessment of personnel,

 Assessment of personnel, procedures, and equipment performance

- Identification of root causes and

- Prepare report



DON 4/8/94

IN TIME

The CONFIRMATORY ACTION LETTER,

The)

WAS SUBSEQUENCY ISSUED THAT DAY, CONFIRMINE)

(CAL) 1-94-005 issued on 4/8/94, including:

THE LICONSCE'S

- Commitment to remain in cold shutdown
- Commitment to cooperate and support AIT activities

- Commitment to gain agreement of Regional Administrator prior to restart

(SLIDE 8)

CHRONOLOGY OF AIT ACTIVITIES

AlT arrived on site 4/8/94 and ωουΙα complete on-site inspection activities on 4/26/94

All maintained daily contact with Region and Headquarters managers to the That of Events beieffue on Wer, Medor Region's many, of Gas pocket, forms in reactor vessel

head and identified by SRI

· COMMISSIONER ASSISTANCE BRICE

Licensee describes corrective action plans in letters dated 4/25/94 and 4/29/94

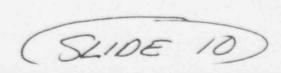
4/29/94

ON TE ACONOUCIDO ONI EFINE OF REPRESONMINOS OF SON. BIOON, 5 1/25/74

Alt preliminary findings presented at public exit on 4/26/94 at Salem

• All currently involved in assessment of findings and report preparation

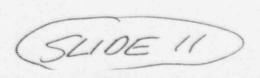
Resident staff involved in inspecting and verifying licensee actions for restart readiness



02 5/5/94, The

Region I staff briefed Senator Biden's staff on 5/5/94 10 their WILLMINGTON Delawere office

• Public management meeting with PSE&G on 5/6194 at the Salem facility to discuss their status and plans for restart and longer term CA.

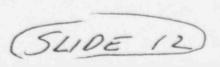


LA AS A RESULT OF THE ATT We have concluded that

SIGNIFICANT AIT FINDINGS

No abnormal releases of radiation to the environment occurred during the event

- Event challenged RCS pressure boundary through multiple operations achahous of pressurizer PORVs
- "Operator errors occurred which complicated the event



oud concerns persist

- Management allowed equipment problems to exist that made responding to this exist operations difficult for plant operators
- Some equipment was degraded by the event, but overall, the plant performed as designed
- Operator use of emergency operating procedures was good
- Licensee investigations and troubleshooting efforts were good

