

The Cleveland Electric Illuminating Company  
TELEPHONE AND CONFERENCE MEMORANDUM

Date: 9-16-83

Time: 3:43 P.M.

To: P. Pelke From: M.L. Gildner

Project Perry Nuclear Plant

By: E. Riley/C. Shuster/T. Swansiger

Telephone Call ☒ Conference ☐

With: Mr. P. Pelke

Company: U.S. NRC Region III

Subject: DAR 142

Note: E. Riley called Mr. Pelke to notify him of a potential significant deficiency related to the removal of the Unit I shroud head/separator from the reactor vessel. Mr. Riley stated that the hold down bolts for the separator had not been removed contrary to procedure requirements when a site contractor was attempting to remove the shroud head/separator from the reactor vessel. Significant damage was done to the strongback lifting device but there was no apparent damage to the shroud head/separator.

We are in the process of inspecting the equipment to determine the extent of damage. Currently we are bringing in the crane manufacturer in attempts to identify the loading conditions imposed on the assembly by the crane. We anticipate also having GE San Jose involved at a latter date.

NOTE: The written report to the NRC for this condition must be mailed October 14, 1983.

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PDR FOIA  
HIATT83-572 PDR

|            |                   |                    |                    |                   |
|------------|-------------------|--------------------|--------------------|-------------------|
| Copies To: | <u>M. Edelman</u> | <u>P. Martin</u>   | <u>J. Eppich</u>   | <u>E. Parker</u>  |
|            | <u>J. Kline</u>   | <u>E. Riley</u>    | <u>P. Nichols</u>  | <u>M. Gildner</u> |
|            | <u>F. Stead</u>   | <u>B. Walrath</u>  | <u>J. Gilstrap</u> |                   |
|            | <u>J. Waldron</u> | <u>J. Lastovka</u> | <u>M. Palmer</u>   |                   |

10-4-83  
9:50

09/14/83

## FACILITY/LICENSEE

## NOTIFICATION

## ITEM OR EVENT

## REGIONAL ACTION

## DIVISION OF PROJECTS &amp; RESIDENT PROGRAMS

LACBNH

TELECON FROM THE  
LICENSEE

THE LICENSEE REPORTED THAT ON 9/16/83 AT 11:06 P.M., THE UNIT WAS TAKEN CRITICAL AND ON 9/18/83 AT 12:34 A.M., THE UNIT WAS PARALLELED TO THE GRID. NO SIGNIFICANT PROBLEMS WERE NOTED DURING THE STARTUP. THE UNIT IS CURRENTLY OPERATING AT 50% POWER. THE PLANT HAD BEEN SHUT DOWN FOR AN EXTENDED PERIOD OF TIME DUE TO THE LEAKAGE IN THE SEAL INJECTION SYSTEM AND PROBLEMS WITH THE FORCED CIRCULATION PUMP SEAL.

INFORMATION.

ZION 1 &amp; 2

TELECON FROM SPI  
ON 9/16/83

CECO WAS NOTIFIED BY WESTINGHOUSE IN A LETTER DATED 9/15/83 THAT THERE WAS AN ERROR IN THE MAIN STEAM LINE BREAK SAFETY ANALYSIS. PROTECTION FOR THIS ACCIDENT IS PROVIDED BY A SAFETY INJECTION ON HIGH STEAM FLOW CO-INCIDENT WITH LOW LOW TAVE OR STEAM LINE PRESSURE. THE SAFETY ANALYSIS USED 545 PSIG (600 PSIA) AS THE SETPOINT FOR LOW STEAM LINE PRESSURE. THE LICENSEE HAD BEEN SETTING THE LOW STEAM LINE FLOW SETPOINT AT 600 PSIG, AS REQUIRED BY T.S. WHEN PROPERLY CALIBRATED, THE ACTUAL SETPOINT COULD BE AS LOW AS 576 PSIG, SINCE THE ACCURACY OF THE PRESSURE INSTRUMENT IS PLUS OR MINUS 2% OF INSTRUMENT SPAN (1200 PSIG). THE LOW STEAM LINE PRESSURE SETPOINT USED IN THE WESTINGHOUSE ANALYSIS WAS THEREFORE 9 PSI TOO HIGH. WESTINGHOUSE REANALYZED THE MAIN STEAM LINE BREAK ACCIDENT USING 576 PSIG FOR THE LOW STEAM LINE PRESSURE SETPOINT. THE RESULTS INDICATE THAT THE PLANT RESPONSE WOULD BE NEARLY IDENTICAL TO THAT OF THE PREVIOUS ANALYSIS DUE TO THE EFFECTS OF THE LEAD/LAG CIRCUITRY ON THE LOW STEAM LINE PRESSURE SETPOINT.

FOLLOWUP PER MC 2515.

PERRY 1

TELECON FROM THE  
LICENSEE-9/16/83

THE LICENSEE NOTIFIED WIII OF A POTENTIALLY REPORTABLE DEFICIENCY PER 10 CFR 50.55(e). WHILE ATTEMPTING TO LIFT THE UNIT 1 MOISTURE SEPARATOR, THE LIFTING RIG (STRONG HACK) BROKE. IT WAS DETERMINED THAT THE MOISTURE SEPARATOR WAS HOLTED TO THE RPV DURING THE LIFT. THE STRONGHACK HAD BEEN LOAD TESTED TO 59 TONS. THE LICENSEE IS INVESTIGATING.

FOLLOWUP PER MC 2512.

(2)

This preliminary notification constitutes EARLY notice of events of POSSIBLE national security or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the staff on this date.

Facility: Cleveland Elec. Illuminating  
Perry Nuclear Power Station  
Unit 1 Docket No. 50-440  
Perry, OH 44081

Licensee Emergency Classification:  
Notification of an Unusual Event  
Alert  
Site Area Emergency  
General Emergency  
xx Not Applicable

Subject: NEWS MEDIA INTEREST IN CRANE LIFTING INCIDENT

On September 15, 1983, the licensee was removing the reactor internal components from the reactor vessel where they had been placed temporarily while some work was being done in their normal storage location, the upper refueling area.

The steam dryer was removed from the vessel without incident. The moisture separator, however, had not been unbolted prior to the lifting effort, and the lifting rig broke. The cross-shaped lifting rig had previously been tested to 59 tons.

The licensee is investigating the incident and reported it to Region III (Chicago) as a potential construction deficiency under 10 CFR 50.55e).

On September 16 the Senior Resident Inspector and an NRC structural specialist performed a visual inspection of the moisture separator, the area where the moisture separator was bolted to the core shroud in the reactor vessel, and the lifting crane. No damage was observed.

The containment crane is to be examined by the manufacturer prior to further use. A replacement lifting rig is being obtained, and the moisture separator will be removed for further examination. Also to be inspected are the 32 bolts which hold the moisture separator in place and the core shroud, to which the moisture separator was bolted.

According to information gathered by the Resident Inspector, contractor personnel believed the bolts were not engaged, when in fact 28 were tightened, and the remaining four bolts were loosely engaged.

There has been considerable local news media interest in the incident. Rumors circulating have suggested that the reactor vessel itself was lifted off its pedestal and that the damage will delay the completion of the project. Both rumors are untrue, and the licensee is planning to invite news media to the construction site to show them the extent of the damage -- which appears initially to be limited to the lifting rig.

Region III will continue to respond to news media inquiries.

The State of Ohio will be notified.

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- 2 -

Cleveland Elec. Ill.

Region III was notified of this incident on September 16, 1983, as a potential construction efficiency report. This Preliminary Notification is being issued at this time because of recent news media interest. This information is current as of 10 a.m., September 21, 1983.

CONTACT:

M. Gildner *MG*  
216/259-3610

J. Konklin *ack*  
FTS 388-5695

R. Knop *RCK*  
FTS 388-5547

DISTRIBUTION:

Mr.             
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