

|  |                |                               |                              |                     |  |            |              |
|--|----------------|-------------------------------|------------------------------|---------------------|--|------------|--------------|
| <b>FROM:</b><br>Wisconsin Public Service Co.<br>Green Bay, WI<br>E. W. James |                | <b>DATE OF DOC</b><br>7-19-74 | <b>DATE REC'D</b><br>7-22-74 | <b>LTR</b><br>X     | <b>TWX</b>   | <b>RPT</b> | <b>OTHER</b> |
| <b>TO:</b><br>J. F. O'Leary  |                | <b>ORIG</b><br>1 signed       | <b>CC</b>                    | <b>OTHER</b>        | <b>SENT AEC PDR</b> XXX<br><b>SENT LOCAL PDR</b> XXX |            |              |
| <b>CLASS</b>   | <b>UNCLASS</b> | <b>PROP INFO</b>              | <b>INPUT</b>                 | <b>NO CYS REC'D</b> | <b>DOCKET NO:</b>                                    |            |              |
|  | XXX            |                               |                              | 1                   | 50-305   |            |              |

**DESCRIPTION:**

Ltr furn info re abnormal occurrence rpt # 50-305/74-9 of 7-9-74 re steam leak from pressurizer level instrument.....

**PLANT NAME:** KEWAUNEE

**ENCLOSURES:**

**DO NOT REMOVE**  
**ACKNOWLEDGED**

FOR ACTION/INFORMATION 7-22-74 GMC

- |                      |                         |                          |                     |
|----------------------|-------------------------|--------------------------|---------------------|
| BUTLER (L)<br>W/ CYS | SCHWENCER (L)<br>W/ CYS | ZIEMANN (L)<br>W/ CYS    | REGAN (E)<br>W/ CYS |
| CLARK (L)<br>W/ CYS  | ✓STOLZ (L)<br>W/7 CYS   | DICKER (E)<br>W/ CYS     | LEAR<br>W/ CYS      |
| ✓MARR (L)<br>W/ CYS  | VASSALLO (L)<br>W/ CYS  | KNIGHTON (E)<br>W/ CYS   | W/ CYS              |
| KNIEL (L)<br>W/ CYS  | PURPLE (L)<br>W/ CYS    | YOUNGBLOOD (E)<br>W/ CYS | W/ CYS              |

**INTERNAL DISTRIBUTION**

- |                    |              |             |                |                  |
|--------------------|--------------|-------------|----------------|------------------|
| ✓REG FILE          | ✓TECH REVIEW | DENTON      | LIC ASST       | A/T IND          |
| ✓AEC PDR           | ✓HENDRIE     | GRIMES      | DIGGS (L)      | BRAITMAN         |
| ✓OGC               | ✓SCHROEDER   | GAMMILL     | GEARJN (L)     | SALTZMAN         |
| ✓MUNTZING/STAFF    | ✓MACCARY     | KASTNER     | GOULBOURNE (L) | B. HURT          |
| ✓CASE              | ✓KNIGHT      | BALLARD     | KREUTZER (E)   |                  |
| GIAMBUSSO          | ✓PAWLICKI    | SPANGLER    | LEE (L)        | PLANS            |
| BOYD               | ✓SHAO        |             | MAIGRET (L)    | MCDONALD         |
| ✓MOORE (L)(LWR-2)  | ✓STELLO      | ENVIRO      | REED (E)       | CHAPMAN          |
| DEYOUNG (L)(LWR-1) | ✓HOUSTON     | MULLER      | SERVICE (L)    | DUBE w/input     |
| SKOVHOLT (L)       | ✓NOVAK       | DICKER      | SHEPPARD (L)   | E. COUPE         |
| GOLLER (L)         | ✓ROSS        | KNIGHTON    | SLATER (E)     |                  |
| P. COLLINS         | ✓IPPOLITO    | YOUNGBLOOD  | ✓SMITH (L)     | ✓D. THOMPSON (2) |
| DENISE             | ✓TEDESCO     | REGAN       | TEETS (L)      | ✓KLECKER         |
| ✓REG OPR           | ✓LONG        | PROJECT MGR | WILLIAMS (E)   | ✓EISENHUT        |
| FILE & REGION (3)  | ✓LAINAS      |             | WILSON (L)     |                  |
| ✓MORRIS            | ✓BENAROYA    | HARLESS     |                |                  |
| ✓STEELE            | ✓VOLLMER     |             |                |                  |

**EXTERNAL DISTRIBUTION**

- |   |                               |                         |
|---|-------------------------------|-------------------------|
| ✓1 - LOCAL PDR KEWAUNEE, WI               | (1)(2)(10)-NATIONAL LABS      | 1-PDR-SAN/LA/WY         |
| ✓1 - TIC (ABERNATHY)                      | 1-ASLBP(E/W Bldg, Rm 529)     | 1-BROOKHAVEN NAT LAB    |
| ✓1 - NSIC (BUCHANAN)                      | 1-W. PENNINGTON, Rm E-201 GT  | 1-G. ULRIKSON, ORNL     |
| 1 - ASLB                                  | 1-B&M SWINEBROAD, Rm E-201 GT | 1-AGMED (RUTH GUSSMAN)  |
| 1 - P. R. DAVIS                           | 1-CONSULTANTS                 | Rm B-127 GT             |
| ✓16 - ACRS SENT TO LIC ASST SMITH 7-23-74 | NEWARK/BLUME/AGBABIAN         | 1-RD..MUELLER, Rm F-304 |

LB

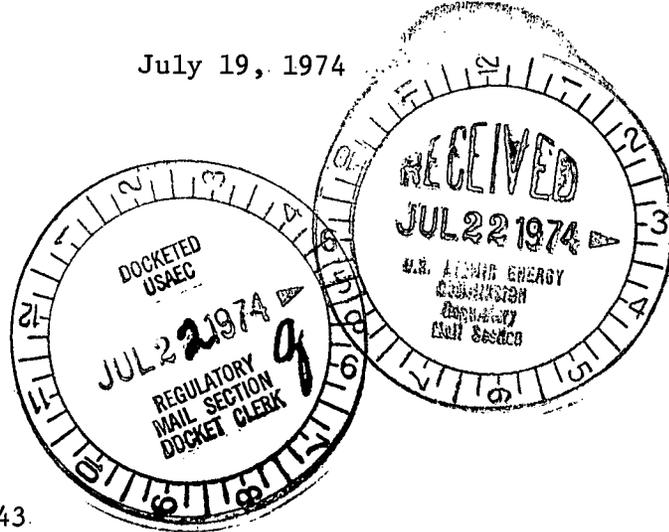
# WISCONSIN PUBLIC SERVICE CORPORATION



P.O. Box 1200, Green Bay, Wisconsin 54305

July 19, 1974

Mr. J. F. O'Leary, Director  
Directorate of Licensing  
Office of Regulation  
U. S. Atomic Energy Commission  
Washington, D. C. 20545



Dear Mr. O'Leary:

Subject: Docket 50-305  
Operating License DPR-43  
Abnormal Occurrence Report

In accordance with the requirements of Technical Specifications, paragraphs 1.0a.3 and 6.6.2.a, we submit the following:

Report Number

50-305/74-8

Report Date

July 19, 1974

Occurrence Date

July 9, 1974

Facility

Kewaunee Nuclear Power Plant  
Kewaunee, Wisconsin

Identification of Occurrence

Observed inadequacy of Procedural Controls

Conditions Prior to Occurrence

Heatup of Reactor in Progress  
System Temperature 500°F  
System Pressure 1700 psig

Description of Occurrence

The plant had been in cold shutdown and preparations were being made to startup. Heatup of the reactor was in progress, checklists were being used in the heatup. During heatup, inspections in the containment were being performed. Water and steam were observed in the containment basement and an auxiliary operator, upon investigating the report, discovered the source of leakage to be a vent valve (RC 32). The containment was isolated and evacuated. The leakage was terminated. Health Physics personnel took readings and no abnormal exposure of personnel occurred. Upon complete checkout by Operations and Health Physics heatup of the reactor resumed.

REGULATORY DOCKET FILE COPY

6687

Description of Apparent Cause of Occurrence

Failure to follow procedural controls.

Analysis of Occurrence

Failure to complete the checklist "Filling and Venting the Reactor Coolant System - Venting Apparatus Removal Checklist," resulted in a vent valve being partially left open (2 turns on the valve stem) thereby releasing primary coolant into the containment. The reactor was not critical, no fission products were being generated and the only fission products present were the residual products from the previous operating period. No damage occurred to any system, component or structures. No personnel injuries were sustained; personnel exposures were minimal; and the Radiation Monitoring Team, properly attired with air line monitors and equipped with dosimeters and TLD's, entered containment to close the valve and made surveys. The readings were minimal and did not constitute any danger or over-exposure to personnel. An air sample was taken and the quantity and composition of radioactive materials released inside containment were as follows:

|                        |   |
|------------------------|---|
| Gross $\beta = \delta$ | = $2.73 \times 10^{-9}$ $\mu\text{c/cc}$  |
| Radon                  | = $1.30 \times 10^{-9}$ $\mu\text{c/cc}$  |
| Cobalt 60              | = $1.56 \times 10^{-10}$ $\mu\text{c/cc}$ |

These values are well within allowable limits. The consequences from a public health and safety standpoint were non-existent. The potential consequences were very minimal, since release from the vent valve was contained in the containment. The vent valve is a 1 inch valve and this would come under the category of small breaks as analyzed in Section 14.3 of the Final Safety Analysis Report. If the leak would have gone undetected for a long period of time, the operator would have several indications prior to initiation of the high head safety injection if required. The indications which the operator has available are high humidity; increasing containment pressure; high sump level or frequent operations of sump pump; charging pump operations more frequent or more than one charging pump called upon to maintain makeup; high radiation from the particulate and air monitor, if fission products are present; loss of coolant pressure or in this case difficulty in obtaining higher pressures; and finally safety injection from the high head injection pumps.

Since the reactor was not at power, no additional fission products were being generated; this greatly reduced the potential consequences from a standpoint of public health and safety. Therefore, no hazard to the public health and safety existed.

Corrective Action

The Radiation Monitoring Team that entered the containment closed the valve and heatup of the reactor resumed. In order to prevent this from happening in the future, the operators and shift supervisors have been given further instructions and impressed upon them the importance of verifying that all checklists are completed prior to starting the sequence of bringing the reactor to power. The procedure for reactor filling and venting has several checklists; all were completed except one, this one was overlooked inadvertently. The new instructions are intended to prevent a reoccurrence of this abnormal occurrence.

Failure Data

Since no failures of equipment or components occurred, this is not applicable.

Very truly yours,

A handwritten signature in cursive script that reads "E. W. James". The signature is written in black ink and is positioned above the typed name and title.

E. W. James  
Senior Vice President  
Power Generation & Engineering

EWJ:sna

cc - Mr. James G. Keppler