

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)

Washington Nuclear Project - Unit 2

DOCKET NUMBER (2)

0 5 0 0 0 3 9 7

PAGE (3)

1 OF 0 2

TITLE (4)

Activation of Pre-Action and Deluge Systems

| EVENT DATE (5) | | | LER NUMBER (6) | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | | | | | | | |
|--------------------|-----|---|----------------|-------------------|-----------------|-----------------|-----|------|-------------------------------|---|------------------|---|---|---|---|--|--|
| MONTH | DAY | YEAR | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | | DOCKET NUMBER(S) | | | | | | |
| 0 | 3 | 2 | 1 | 8 | 4 | 8 | 4 | 0 | 2 | 6 | 0 | 5 | 0 | 0 | 0 | | |
| 0 | 3 | 2 | 1 | 8 | 4 | 8 | 4 | 0 | 2 | 6 | 0 | 5 | 0 | 0 | 0 | | |
| OPERATING MODE (9) | | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11) | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| POWER LEVEL (10) | | 0 0 0 | | | | | | | | | | | | | | | |
| | | 20.402(b) | | | | | | | | | | | | | | | |
| | | 20.405(a)(1)(i) | | | | | | | | | | | | | | | |
| | | 20.405(a)(1)(ii) | | | | | | | | | | | | | | | |
| | | 20.405(a)(1)(iii) | | | | | | | | | | | | | | | |
| | | 20.405(a)(1)(iv) | | | | | | | | | | | | | | | |
| | | 20.405(a)(1)(v) | | | | | | | | | | | | | | | |
| | | 20.405(c) | | | | | | | | | | | | | | | |
| | | 50.36(c)(1) | | | | | | | | | | | | | | | |
| | | 50.36(c)(2) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(i) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(ii) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(iii) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(iv) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(v) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(vi) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(vii) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(viii) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(ix) | | | | | | | | | | | | | | | |
| | | 50.73(a)(2)(x) | | | | | | | | | | | | | | | |
| | | 73.71(b) | | | | | | | | | | | | | | | |
| | | 73.71(c) | | | | | | | | | | | | | | | |
| | | OTHER (Specify in Abstract below and in Text, NRC Form 366A) | | | | | | | | | | | | | | | |

LICENSEE CONTACT FOR THIS LER (12)

NAME

L. D. Kassakatis, Plant Compliance Engineer

TELEPHONE NUMBER

AREA CODE

5 0 9 3 7 7 1 - 2 5 1 0 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

Ext. 2201

| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC |
|-------|--------|-----------|--------------|-------------------|-------|--------|-----------|--------------|-------------------|
| A | K | P | | N | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

SUPPLEMENTAL REPORT EXPECTED (14)

| EXPECTED SUBMISSION DATE (15) | | MONTH | DAY | YEAR |
|-------------------------------|---|-------|-----|---------|
| X | YES (If yes, complete EXPECTED SUBMISSION DATE) | | | |
| | NO | | | |
| | | 0 | 6 | 0 1 8 4 |

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

An ionization detector was activated and tripped a pre-action system, which started the fire pumps. The ensuing pressure surge tripped another pre-action system and momentarily lifted two deluge valves for the Standby Gas Treatment Trains A and B, one of which did not reset properly. Water caused no damage because Operators isolated the one system which did not reset properly. The systems were reset and tested and placed in service. Pump pressure start switches were checked, and a design change requested to evaluate means of mitigating the pressure surges on pump starts.

8404270195 840418
PDR ADOCK 05000397
S PDR

IE 22

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

| FACILITY NAME (1) | DOCKET NUMBER (2) | LER NUMBER (6) | | | PAGE (3) | | |
|-------------------------------------|-------------------|----------------|-------------------|-----------------|----------|----|-----|
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
| Washington Nuclear Project - Unit 2 | 0 5 0 0 0 3 9 7 | 8 4 | — 0 2 6 | — 0 0 | 0 2 | OF | 0 2 |

TEXT (If more space is required, use additional NRC Form 366A's) (17)

- a) Power Level - Zero
- b) Plant Mode - 4
- c) Prior to Initial Power Operations

An ionization detector in the cable spreading room was activated by craft using a grinder. The detector activated Pre-Action System 65 (cable spreading room) by tripping the respective deluge valve. The resulting pressure drop caused the fire pumps FP-P-2A and FP-P-2B (2000 gpm electrics) to start. The ensuing pressure surge caused Pre-Action System 84 (HPCS Diesel room) to flood its piping (no water issued from nozzles). The Standby Gas Treatment Deluge Valve for Train A prefilter momentarily lifted, wetting the prefilter medium. Standby Gas Treatment Train B second charcoal bed deluge valve lifted momentarily and failed to reset properly, water leaked by the seat and ran out the nozzles onto the floor adjacent to the charcoal bed. No water came in contact with charcoal in the unit.

Operations isolated the deluge valve for Train B second charcoal bed and it was then reset. The prefilter was dried and the water was cleaned up in the Train B charcoal bed area. The trains were tested using the iodine method and found satisfactory, then placed in service. Pre-Action Systems 65 and 84 were drained and returned to service. Fire pump start pressure switches (mercoird pressure switches) were checked. A Plant Modification Request was written to investigate the feasibility of installing pressure surge reducing valves (Clayton type) to mitigate the surge during pump starts. The event posed no potential safety problem.

Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

Docket No. 50-397
April 18, 1984

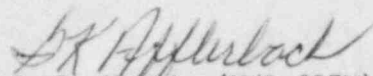
Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: **NUCLEAR PROJECT NO. 2**
LICENSEE EVENT REPORT NO. 84-026

Dear Sir:

Transmitted herewith is Licensee Event Report No. 84-026 for WNP-2 Plant. This report is submitted in response to the report requirements of Technical Specification Section 6.9.1.7 and discusses the item of noncompliance, corrective action taken, and action taken to preclude recurrence.

Very truly yours,



J. D. Martin (M/D 927M)
WNP-2 Plant Manager

JDM:de

Enclosure:
Licensee Event Report No. 84-026

cc: Mr. John B. Martin, Administrator
Region V, Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
1450 Maria Lane
Walnut Creek, California 94596
Mr. A. D. Toth, NRC Resident Inspector (901A)

IE22
11