

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8805030155 DOC.DATE: 88/04/22 NOTARIZED: NO DOCKET #  
 FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397  
 AUTH.NAME AUTHOR AFFILIATION  
 ARBUCKLE,J.D. Washington Public Power Supply System  
 POWERS,C.M. Washington Public Power Supply System  
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 88-008-00:on 880318,plant Tech Spec fire penetration  
 seals discovered impaired/unsealed during ongoing 100% insp.  
 W/8 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 6  
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

### NOTES:

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SAMWORTH,R	1 1		
INTERNAL: ACRS MICHELSON	1 1	ACRS MOELLER	2 2
AEOD/DOA	1 1	AEOD/DSP/NAS	1 1
AEOD/DSP/ROAB	2 2	AEOD/DSP/TPAB	1 1
ARM/DCTS/DAB	1 1	DEDRO	1 1
NRR/DEST/ADS 7E	1 0	NRR/DEST/CEB 8H	1 1
NRR/DEST/ESB 8D	1 1	NRR/DEST/ICSB 7	1 1
NRR/DEST/MEB 9H	1 1	NRR/DEST/MTB 9H	1 1
NRR/DEST/PSB 8D	1 1	NRR/DEST/RSB 8E	1 1
NRR/DEST/SGB 8D	1 1	NRR/DLPQ/HFB 10	1 1
NRR/DLPQ/QAB 10	1 1	NRR/DOEA/EAB 11	1 1
NRR/DREP/RAB 10	1 1	NRR/DREP/RPB 10	2 2
NRR/DRIS/SIB 9A	1 1	NRR/PMAS/ILRB12	1 1
REG FILE 02	1 1	RES TELFORD,J	1 1
RES/DE/EIB	1 1	RES/DRPS DIR	1 1
RGN5 FILE 01	1 1		
EXTERNAL: EG&G GROH,M	4 4	FORD BLDG HOY,A	1 1
H ST LOBBY WARD	1 1	LPDR	1 1
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NSIC MAYS,G	1 1		

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*P723058/84*

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Washington Nuclear Plant - Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 3 9 7										PAGE (3) 1 OF 0 5																							
TITLE (4) Plant Technical Specification Fire Penetration Seals Discovered Impaired/Unsealed During Ongoing 100% Inspection - Cause Unknown																																											
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																									
0 3		1 8		8 8		8 8		0 0		8		0 0		0 4		2 2		8 8		DOCKET NUMBER(S) 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)																																									
1		20.402(b)										20.405(c)										50.73(a)(2)(iv)										73.71(b)											
POWER LEVEL (10)		1 0 0										20.405(a)(1)(i)										50.36(c)(1)										50.73(a)(2)(v)										73.71(c)	
		20.405(a)(1)(ii)										50.36(c)(2)										50.73(a)(2)(vii)										OTHER (Specify in Abstract below and in Text, NRC Form 366A)											
		20.405(a)(1)(iii)										50.73(a)(2)(i)										50.73(a)(2)(viii)(A)																					
		20.405(a)(1)(iv)										50.73(a)(2)(ii)										50.73(a)(2)(viii)(B)																					
		20.405(a)(1)(v)										50.73(a)(2)(iii)										50.73(a)(2)(x)																					
LICENSEE CONTACT FOR THIS LER (12)																																											
NAME J.D. Arbuckle, Compliance Engineer																TELEPHONE NUMBER 5 0 9 3 1 7 7 1 - 1 2 1 1 1 5																											
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																											
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs																																	
SUPPLEMENTAL REPORT EXPECTED (14)																EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR																							
<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)																<input type="checkbox"/> NO		0 9	3 1 0	8 8																							

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

On March 23, 1988 and March 25, 1988 it was determined that problems documented (on March 18, 1988 and March 24, 1988) with regard to 11 Plant Technical Specification fire penetrations were reportable under 10CFR50.73 (a)(2)(i). The penetrations were impaired such that they would not qualify as a three-hour fire barrier. The penetrations are located in the Diesel Generator and Reactor Buildings.

The problems were identified during the performance of ongoing physical walkdowns of all accessible Technical Specification walls and penetrations as further corrective action committed to in LER 87-030.

As required by the Plant Technical Specifications, the penetrations were placed on an hourly fire tour. Further corrective actions include 1) preparing Maintenance Work Requests (MWRs) to repair/seal the penetrations, and 2) completing the 100% review of documentation and physical walkdowns of all accessible Technical Specification walls and penetrations. At the completion of the review and walkdowns, a supplemental report describing any further deficiencies discovered will be submitted.

The cause of this event is currently under investigation.

It was determined that this event did not affect the health and safety of either the public or Plant personnel due to the fire protection design of the fire areas involved.

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P723058484

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

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

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

Plant Conditions

- a) Power Level - 100%  
b) Plant Mode - 1 (Power Operation)

Event Description

On March 23, 1988 and March 25, 1988 the following problems which were documented with regard to Plant Technical Specification fire penetration seals were determined to be reportable under 10CFR50.73 (a)(2)(i).

- a) On March 18, 1988 it was documented on a Plant Nonconformance Report that:

- Fire seal penetrations D101-3002 and D101-3003 (Diesel Generator Building - 441 Elevation) each had a non-approved fire configuration type plug installed (holes had been drilled through the center and filled with "All Thread").
- Fire seal penetrations D102-3002 and D102-3003 (Diesel Generator Building - 441 Elevation) each had a non-approved fire configuration type (non-ferralloy) plug installed, and the penetrations were not listed in the Plant Seal Tracking System (PSTS) data base.
- Fire seal penetration D104-3063 (Diesel Generator Building - 441 Elevation) was impaired in that the seal depth was less than required.
- Fire seal penetration D113-2012 (Diesel Generator Building - 441 Elevation) was impaired in that it appears that a cable had been pulled through and the penetration not re-sealed.

- b) On March 24, 1988 it was documented on a Plant Nonconformance Report that:

- Fire seal penetration R116-3003.9 (Reactor Building - 422 Elevation) was impaired in that it appears that a cable had been pulled through and the penetration not re-sealed.
- Fire seal penetration R116-3003.10 (Reactor Building - 422 Elevation) was impaired in that the plug had a drilled hole through its center, and the penetration was not listed in the PSTS data base.
- Fire seal penetration R116-3011.4 (Reactor Building - 444 Elevation) was impaired in that the seal depth was less than required.
- Fire seal penetration R116-3011.6 (Reactor Building - 444 Elevation) was impaired in that the plug had a drilled hole through its center, and the penetration was not listed in the PSTS data base.
- Fire seal penetration R410-4004.7 (Reactor Building - 522 Elevation) was impaired in that it appears that a cable had been pulled through and the penetration not re-sealed.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (If more space is required, use additional NRC Form 368A's) (17)

The problems were identified during the performance of ongoing activities associated with further corrective actions committed to in a previous LER (87-030, "Upgraded Plant Technical Specification Fire Wall not Constructed to Qualify as a Three-Hour Fire Barrier and Wall Penetration not Sealed"). Specifically, the Supply System committed to perform a 100% review of documentation, and physical walkdowns of all accessible Technical Specification walls and penetrations, to determine the adequacy of PSTS. The problems noted in this LER (88-008) were discovered during the ongoing physical walkdowns.

The cause of this LER is currently under investigation.

Immediate Corrective Action

As required by the Plant Technical Specifications, the penetrations were placed on an hourly fire tour.

Further Discussion and Corrective Action

## a) Further Discussion

- Fire seal penetrations D101-3002, D101-3003, D102-3002 and D102-3003 are located in Fire Area DG-V (1B Diesel Oil Tank Pump Room).
- Fire seal penetration D104-3063 is located in Fire Area DG-I (HPCS Diesel Generator).
- Fire seal penetration D113-2012 is located in Fire Area DG-III (1B Diesel Generator).
- Fire seal penetrations R116-3003.9, R116-3003.10, R116-3011.4 and R116-3011.6 are located in Fire Area R-IV (RHR Pump Room R1, Pipe Chase and RHR Heat Exchanger "B" Equipment Room).
- Fire seal penetration R410-4004.7 is located in Fire Area R-VIII (MCC Room Division 2).

## b) Further Corrective Action

- Maintenance Work Requests (MWRs) were written to repair/seal the penetrations.
- The penetrations which were not previously included in the PSTS data base were added to the data base.
- At the completion of the 100% review of documentation, and physical walkdowns of all accessible Technical Specification walls and penetrations, a supplemental report describing any further deficiencies discovered will be submitted.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

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TEXT (If more space is required, use additional NRC Form 365A's) (17)

Safety Significance

Although there were no fires during the event period, the following is a description of the consequences had a Design Basis Fire had occurred in the areas described in this LER.

a) Fire Areas DG-I, DG-III and DG-V

Smoke from a fire would activate one or more smoke detectors, which would alarm in the Control Room. The fire brigade would be dispatched and take appropriate action in accordance with the pre-fire plans and emergency response procedures. Manual hoses are available.

The thermal detection system would sense a high heat condition and activate the pre-action sprinkler system. Automatic spray heads would fuse and control the fire.

b) Fire Areas R-IV and R-VIII

Smoke from a fire would activate an ionization detector, which would alarm in the Control Room. The fire brigade would be dispatched and take appropriate action in accordance with the pre-fire plans and emergency response procedures. Manual hoses are available.

In addition, Fire Area R-IV has a low fire loading and, as a result, the probability of a fire spreading is considered remote.

Accordingly, this event did not affect the health and safety of either the public or Plant personnel.

Similar Events

LERs 85-028, 87-004-00, 87-004-01 and 87-030.

EIIS InformationText ReferenceEIIS Reference

System      Component

Fire Penetration Seals  
D101-3002  
D101-3003  
D102-3002  
D102-3003  
D104-3063  
D113-2012  
R116-3003.9  
R116-3003.10

KP      Pen

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

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Washington Nuclear Plant - Unit 2	0500039788	8	008	00	05	OF	05

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

R116-3011.4

R116-3011.6

R410-4004.7

Diesel Generator Bldg

NB

Bldg

Reactor Bldg

NG

Bldg

1B Diesel Oil Tank Pump Room

ME

Room

HPCS Diesel Generator

EK

Room

1B Diesel Generator

NB

Room

RHR Pump Room R1

ME

Room

RHR Heat Exchanger "B" Equipment

Room

ME

Room

MCC Room, Division 2

ME

Room

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • 3000 George Washington Way • Richland, Washington 99352

Docket No. 50-397

April 22, 1988

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

Subject: NUCLEAR PLANT NO. 2  
LICENSEE EVENT REPORT NO. 88-008

Dear Sir:

Transmitted herewith is Licensee Event Report No. 88-008 for the WNP-2 Plant. This report is submitted in response to the report requirements of 10CFR50.73 and discusses the items of reportability, corrective action taken, and action taken to preclude recurrence.

Very truly yours,



C.M. Powers (M/D 927M)  
WNP-2 Plant Manager

CMP:lg

Enclosure:  
Licensee Event Report No. 88-008

cc: Mr. John B. Martin, NRC - Region V  
Mr. C.J. Bosted, NRC Site (M/D 901A)  
INPO Records Center - Atlanta, GA  
Ms. Dottie Sherman, ANI  
Mr. D.L. Williams, BPA (M/D 399)

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