

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9004240282 DOC.DATE: 90/04/13 NOTARIZED: NO DOCKET #
 FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
 AUTH.NAME AUTHOR AFFILIATION
 FIES,C.L. Washington Public Power Supply System
 POWERS,C.M. Washington Public Power Supply System
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 90-007-00:on 900314,noncompliance w/Tech Spec
 requirements to sample for water in diesel generator fuel.
 W/9 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 5
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

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	PD5 LA	1 1	PD5 PD	1 1
	SAMWORTH,R	1 1		
INTERNAL:	ACNW	2 2	ACRS	2 2
	AEOD/DOA	1 1	AEOD/DSP/TPAB	1 1
	AEOD/ROAB/DSP	2 2	DEDRO	1 1
	NRR/DET/ECMB 9H	1 1	NRR/DET/EMEB9H3	1 1
	NRR/DET/ESGB 8D	1 1	NRR/DLPQ/LHFB11	1 1
	NRR/DLPQ/LPEB10	1 1	NRR/DOEA/OEAB11	1 1
	NRR/DREP/PRPB11	2 2	NRR/DST/SELB 8D	1 1
	NRR/DST/SICB 7E	1 1	NRR/DST/SPLB8D1	1 1
	NRR/DST/SRXB 8E	1 1	REG FILE 02	1 1
	RES/DSIR/EIB	1 1	RGN5 FILE 01	1 1
EXTERNAL:	EG&G STUART,V.A	4 4	L ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
	NSIC MAYS,G	1 1	NSIC MURPHY,G.A	1 1
	NUDOCS FULL TXT	1 1		

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NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

April 13, 1990

Docket No. 50-397

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

Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 90-007

Dear Sir:

Transmitted herewith is Licensee Event Report No. 90-007 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

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

CLF:lr

Enclosure:
Licensee Event Report No. 90-007

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)

9004240282 900413
PDR ADOCK 05000397
S PDC

Ent No 905602261
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11

EXPIRES: 4/30/92

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Washington Nuclear Plant - Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 3 9 7 1				PAGE (3) OF 0 4		
TITLE (4) Noncompliance With Technical Specification Requirements To Sample For Water In Diesel Generator Fuel																
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	1 4	9 0	9 0	0 0 7	0 0 0	4 1	3 9	0 0					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)		20.405(a)(1)(i)				50.38(c)(1)				50.73(a)(2)(v)				73.71(c)		
9 6		20.405(a)(1)(ii)				50.38(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 C. L. Fies, Compliance Engineer										TELEPHONE NUMBER AREA CODE 5 0 9 3 7 7 1 - 2 5 0 1 E X T 2 0 3 9						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS						
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR		
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO						

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

On March 14, 1990 a review of the Plant Procedures associated with Diesel Generator (DG) Fuel Oil Testing showed there was no requirement to check for water in the Day Tanks after operation for more than one hour as required by the Technical Specifications.

The root cause of this event was less than adequate procedure preparation.

Immediate corrective action was taken to correct the test procedures to meet the requirement of the Technical Specifications. Further corrective action will be taken to document the day tank water checks in the operating procedures.

The event posed no threat to the health and safety of either the public or plant personnel.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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	9 0	0 0 7	0 0	0 2	OF 0 4

TEXT (If more space is required, use additional NRC Form 368A's) (17)

Plant Conditions

Power Level - 96%
Plant Mode - 1

Event Description

On March 14, 1990 a Plant System Engineer discovered a problem with the implementation of Electrical Power Systems Technical Specification Surveillance requirements. Specifically a discrepancy was found between the Technical Specifications (Section 3/4.8.1) and the implementing Plant procedures associated with testing for water in the Diesel Generator Fuel Oil Day Tanks (DO-TK-3A, DO-TK-3B and DO-TK-3C).

At WNP-2 there are three Diesel/Generator Units designated DG-1, 2, and 3. DG-1 and 2 are redundant 4400kW units, and DG-3 is a 2600kW unit dedicated to the High Pressure Core Spray System (HPCS). Each of the three DG units has its own Day Tank.

System Operating Procedures (PPM 2.7.2, Emergency Standby Diesel Generator and PPM 2.7.3, HPCS Diesel Generator) and the Loss of Power Test Procedures (PPM 7.4.8.1.1.2.5B, Standby Diesel Generator DG-1 Loss of Power Test, PPM 7.4.8.1.1.2.5C, Standby Diesel Generator DG-2 Loss of Power Test, PPM 7.4.8.1.1.2.6, HPCS Diesel Generator Loss of Power Test) were not in literal compliance with the Technical Specifications. The Technical Specifications (Paragraph 4.8.1.1.2.b) state the diesel generators shall be demonstrated operable ".....after each operation of the diesel where the period of operation was greater than or equal to 1 hour by checking for and removing accumulated water from the day fuel tanks." This requirement had not been incorporated into the procedures mentioned. The diesel generators are routinely tested during the annual refueling outage which requires operation for more than one hour. In addition, there may have been one or two occasions in the past when the diesels were run in excess of one hour under non-test conditions. Consequently, there have been several occasions in the past where the diesels have been run and the Technical Specifications requirements to check for water were not met.

Immediate Corrective Action

Immediate corrective action was taken to correct the system operating and test procedures to require a check for water in the Day Tanks after each operation of the diesels for more than one hour.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

YEAR	SEQUENTIAL NUMBER	REVISION NUMBER
910	007	00

YEAR	SEQUENTIAL NUMBER	REVISION NUMBER
910	007	00

Washington Nuclear Plant - Unit 2

05000397910

00700

03 OF 04

TEXT (If more space is required, use additional NRC Form 368A's) (17)

Further Evaluation and Corrective ActionA. Further Evaluation

1. This event is being reported per the requirements of 10CFR50.73(a)(2)(i)(B) as "Any operation or condition prohibited by the plant's Technical Specifications." Specifically, the Technical Specifications state the diesel generators shall be demonstrated operable".....after each operation of the diesel where the period of operation was greater than or equal to 1 hour by checking for and removing accumulated water from the day fuel tanks." This requirement was not being implemented.
2. This event was caused by less than adequate procedure preparation/review during plant startup and subsequent biannual reviews.
3. There were no structures, components or systems that were inoperable prior to the start of this event which contributed to the event.

B. Further Corrective Action

1. Plant operating procedures will be revised to require documented evidence of the day tank water check if the diesel generators are operated per event driven operating procedures (PPM 2.7.2 or 2.7.3).
2. A reverification of the adequacy of our procedural compliance to Technical Specification requirements will occur as part of the Technical Specification Improvement Program (TSIP) which is currently underway.

Safety Significance

This event has no safety significance since the day tanks are checked for water on a monthly and semiannual surveillance after operation of the units and water has never been found in any of the Day Tanks. Accordingly, this event posed no threat to the health and safety of either the public or plant personnel.

Similar Events

LER 89-008 reported a missed HPCS surveillance due to procedural deficiencies. Corrective action in the form of the TSIP are currently underway.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

Washington Nuclear Plant - Unit 2

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YEAR

SEQUENTIAL
NUMBERREVISION
NUMBER

9 0

0 0 7

0 0

0 4 OF 0 4

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

EIIS InformationText ReferenceEIIS ReferenceSystemComponent

DO-TK-3A, DO-TK-3B and DO-TK-3C

DG-1 and DG-2

DG-3

High Pressure Core Spray (HPCS) System

DC

EB

EK

BG

TK

DG

DG

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9004240282 DOC. DATE: 90/04/13 NOTARIZED: NO DOCKET #
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 AUTH. NAME AUTHOR AFFILIATION
 FIES, C.L. Washington Public Power Supply System
 POWERS, C.M. Washington Public Power Supply System
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 90-007-00: on 900314, noncompliance w/Tech Spec
 requirements to sample for water in diesel generator fuel.
 W/9 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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	SAMWORTH, R	1 1		
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	AEOD/ROAB/DSP	2 2	DEDRO	1 1
	NRR/DET/ECMB 9H	1 1	NRR/DET/EMEB9H3	1 1
	NRR/DET/ESGB 8D	1 1	NRR/DLPQ/LHFB11	1 1
	NRR/DLPQ/LPEB10	1 1	NRR/DOEA/OEAB11	1 1
	NRR/DREP/PRPB11	2 2	NRR/DST/SELB 8D	1 1
	NRR/DST/SICB 7E	1 1	NRR/DST/SPLB8D1	1 1
	NRR/DST/SRXB 8E	1 1	REG FILE 02	1 1
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EXTERNAL:	EG&G STUART, V.A	4 4	L ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
	NSIC MAYS, G	1 1	NSIC MURPHY, G.A	1 1
	NUDOCS FULL TXT	1 1		

Cent NO 0085602261

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Alto-1

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

April 13, 1990

Docket No. 50-397

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

Subject: NUCLEAR PLANT NO. 2
LICENSEE EVENT REPORT NO. 90-007

Dear Sir:

Transmitted herewith is Licensee Event Report No. 90-007 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

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

CLF:lr

Enclosure:
Licensee Event Report No. 90-007

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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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Washington Nuclear Plant - Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 3 9 7 1				PAGE (3) 1 OF 04		
TITLE (4) Noncompliance With Technical Specification Requirements To Sample For Water In Diesel Generator Fuel																
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)			
03	14	90	90	007	000	04	13	90					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)														
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9 6		20.405(a)(1)(ii)				50.38(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 365A)		
		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)(ix)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME C. L. Fies, Compliance Engineer										TELEPHONE NUMBER AREA CODE 5 0 9 3 7 7 1 - 2 5 0 1						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13) E X T 2 0 3 9																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC						
SUPPLEMENTAL REPORT EXPECTED (14)																
YES (If yes, complete EXPECTED SUBMISSION DATE)										NO		EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR

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

On March 14, 1990 a review of the Plant Procedures associated with Diesel Generator (DG) Fuel Oil Testing showed there was no requirement to check for water in the Day Tanks after operation for more than one hour as required by the Technical Specifications.

The root cause of this event was less than adequate procedure preparation.

Immediate corrective action was taken to correct the test procedures to meet the requirement of the Technical Specifications. Further corrective action will be taken to document the day tank water checks in the operating procedures.

The event posed no threat to the health and safety of either the public or plant personnel.

15-10



LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)				PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		Washington Nuclear Plant - Unit 2	0500039790	-007	-00	02	OF

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

Plant Conditions

Power Level - 96%

Plant Mode - 1

Event Description

On March 14, 1990 a Plant System Engineer discovered a problem with the implementation of Electrical Power Systems Technical Specification Surveillance requirements. Specifically a discrepancy was found between the Technical Specifications (Section 3/4.8.1) and the implementing Plant procedures associated with testing for water in the Diesel Generator Fuel Oil Day Tanks (DO-TK-3A, DO-TK-3B and DO-TK-3C).

At WNP-2 there are three Diesel/Generator Units designated DG-1, 2, and 3. DG-1 and 2 are redundant 4400kW units, and DG-3 is a 2600kW unit dedicated to the High Pressure Core Spray System (HPCS). Each of the three DG units has its own Day Tank.

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Immediate Corrective Action

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

TEXT (If more space is required, use additional NRC Form 368A's) (17)

Further Evaluation and Corrective ActionA. Further Evaluation

1. This event is being reported per the requirements of 10CFR50.73(a)(2)(i)(B) as "Any operation or condition prohibited by the plant's Technical Specifications." Specifically, the Technical Specifications state the diesel generators shall be demonstrated operable".....after each operation of the diesel where the period of operation was greater than or equal to 1 hour by checking for and removing accumulated water from the day fuel tanks." This requirement was not being implemented.
2. This event was caused by less than adequate procedure preparation/review during plant startup and subsequent biannual reviews.
3. There were no structures, components or systems that were inoperable prior to the start of this event which contributed to the event.

B. Further Corrective Action

1. Plant operating procedures will be revised to require documented evidence of the day tank water check if the diesel generators are operated per event driven operating procedures (PPM 2.7.2 or 2.7.3).
2. A reverification of the adequacy of our procedural compliance to Technical Specification requirements will occur as part of the Technical Specification Improvement Program (TSIP) which is currently underway.

Safety Significance

This event has no safety significance since the day tanks are checked for water on a monthly and semiannual surveillance after operation of the units and water has never been found in any of the Day Tanks. Accordingly, this event posed no threat to the health and safety of either the public or plant personnel.

Similar Events

LER 89-008 reported a missed HPCS surveillance due to procedural deficiencies. Corrective action in the form of the TSIP are currently underway.

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FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

Washington Nuclear Plant - Unit 2

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TEXT (If more space is required, use additional NRC Form 368A's) (17)

EIIS InformationText ReferenceEIIS ReferenceSystemComponent

DO-TK-3A, DO-TK-3B and DO-TK-3C

DC

TK

DG-1 and DG-2

EB

DG

DG-3

EK

DG

High Pressure Core Spray (HPCS) System

BG
