

ACCELERATED DOCUMENT DISTRIBUTION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9303150188 DOC. DATE: 93/03/08 NOTARIZED: YES DOCKET # 05000397
 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Power
 AUTH. NAME: SORENSEN, G.C. AUTHOR AFFILIATION: Washington Public Power Supply System
 RECIP. NAME: RECIPIENT AFFILIATION: Document Control Branch (Document Control Desk)

SUBJECT: Forwards response to Suppl 1 to NRC Bulletin 90-001, "Loss of Fill-Oil in Transmitters Mfg by Rosemount." Required replacement of two transmitters will be accomplished during refueling outage 8, currently scheduled for Spring 1993.

DISTRIBUTION CODE: IE39D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 7
 TITLE: NRC Bulletin 90-001, Loss of Fill Oil in Transmitters Mfg by Rosemount

NOTES:

RECIPIENT ID CODE/NAME	COPIES	L	T	R	ENCL	RECIPIENT ID CODE/NAME	COPIES	L	T	R	ENCL
PD5 PD	1				1	CLIFFORD, J	1				1
INTERNAL: NRR LE, N	1				1	NRR/DORS/OGCB	1				1
NRR/HICB	1				1	NRR/OEAB	2				2
REG-FILE 02	1				1	RES/EMEB	1				1
RGN5 FILE 01	1				1						
EXTERNAL: NRC PDR	1				1	NSIC	1				1

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 504-2065) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 12 ENCL 12

A01

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • 3000 George Washington Way • Richland, Washington 99352-0968 • (509) 372-5000

March 8, 1993
G02-93-055

Docket No. 50-397

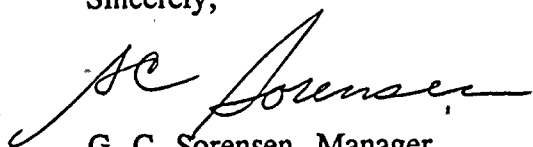
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Gentlemen:

Subject: **WNP-2, OPERATING LICENSE NPF-21
RESPONSE TO IEB 90-01, SUPPLEMENT 1**

This letter serves as response to the NRC Bulletin Number 90-01, Supplement 1: "Loss of Fill Oil in Transmitters Manufactured by Rosemount." In reviewing the actions required by the bulletin, two transmitters were identified for replacement. This work will be done during the R8 refueling outage, currently scheduled for the Spring of 1993. Monitoring of transmitters will continue under our existing surveillance program. The response to this bulletin is detailed in the attachment to this letter.

Sincerely,



G. C. Sorensen, Manager
Regulatory Programs (Mail Drop PE20)

MGE/bk
Attachments

cc: JB Martin - NRC RV
NS Reynolds - Winston & Strawn
JW Clifford - NRC
DL Williams - BPA/399
NRC Site Inspector - 901A

150022

9303150188 930308
PDR ADOCK 05000397
G PDR


JE391/1

STATE OF WASHINGTON)
)
COUNTY OF BENTON)

Subject: Response to IEB 90-01, Suppl 1

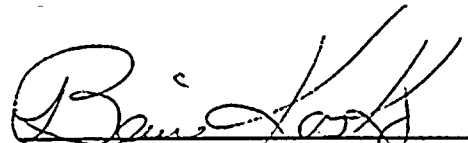
I. G. C. SORENSEN, being duly sworn, subscribe to and say that I am the Manager, Regulatory Programs for the WASHINGTON PUBLIC POWER SUPPLY SYSTEM, the applicant herein; that I have the full authority to execute this oath; that I have reviewed the foregoing; and that to the best of my knowledge, information, and belief the statements made in it are true.

DATE 8 MARCH, 1993


G. C. Sorensen, Manager
Regulatory Programs

On this date personally appeared before me G. C. SORENSEN, to me known to be the individual who executed the foregoing instrument, and acknowledged that he signed the same as his free act and deed for the uses and purposes herein mentioned.

GIVEN under my hand and seal this 8th day of March 1993.


Notary Public in and for the
STATE OF WASHINGTON

Residing at Kennewick, Washington

My Commission Expires April 28, 1994

ATTACHMENT

Response to Requested Actions

Operating Reactors

1. Review plant records and identify any Rosemount Model 1153 Series B, Model 1153 Series D, and Model 1154 transmitters manufactured before July 11, 1989, that are used or may be used in the future in either safety-related system or systems installed in accordance with 10 CFR 50.62 (the ATWS rule).
 - a. Expediently replace, or monitor for the life of the transmitter on a monthly basis using an enhanced surveillance monitoring program, any transmitters that have a normal operating pressure greater than 1500 psi and that are installed in reactor protection trip systems, ESF actuation systems or ATWS systems.

Supply System Response

This requirement is not applicable. WNP-2 has no transmitters with greater than 1500 psi operating pressures.

- b. Replace, or monitor for the life of the transmitter on a quarterly basis using an enhanced surveillance monitoring program, any transmitters that have a normal operating pressure greater than 1500 psi and that are used in safety-related applications but are not installed in reactor protection trip systems, ESF actuation systems, or ATWS systems.

Supply System Response

This requirement is not applicable. WNP-2 has no transmitters with greater than 1500 psi operating pressures.

- c. Replace, or monitor on a monthly basis using an enhanced surveillance monitoring program, until the transmitter reaches the appropriate psi-month threshold criterion recommended by Rosemount, any transmitters that have a normal operating pressure greater than 500 psi and less than or equal to 1500 psi, that are installed in reactor protection trip systems, ESF actuation systems or ATWS systems.

Supply System Response

The transmitters in Table 1.c-1 have operating pressures greater than 500 psi and less than 1500 psi and are installed in reactor protection trip systems, ESF actuation systems, or ATWS systems. They provide a flow signal to the Average Power Range Monitors in support of the flow biased thermal power trip. These transmitters are scheduled to be replaced during the Spring 1993 refueling outage (R8).

Table 1.c-1

EPN	MODEL	SER#	FUNCTION	SYSTEM
RRC-FT-14A	1153DB5	293394	RECIRC PUMP A FLOW	RPS
RRC-FT-14C	1153DB5	420854	RECIRC PUMP A FLOW	RPS

- d. Replace, or monitor at least once every refueling cycle, but not exceeding 24 months, using an enhanced surveillance monitoring program until the transmitter reaches the appropriate psi-month threshold criterion recommended by Rosemount, any transmitters used in safety-related systems that have a normal operating pressure greater than 500 psi and less than or equal to 1500 psi, and that are not installed in reactor protection trip systems, ESF actuation systems, or ATWS systems.

Supply System Response

Table 1.d-1 lists the transmitters with operating pressures greater than 500 psi and less than 1500 psi which are not installed in RPS trip, ESF actuation, or ATWS systems. The RFW transmitter provides reactor pressure vessel (RPV) level signal to the reactor feedwater level control system. Monitoring of the transmitter will continue under our existing enhanced surveillance program.

Table 1.d-1

EPN	MODEL	SER#	FUNCTION
RFW-DPT-4B	1153DD4	418575	RFW LEVEL CONTROL/L8TRIP

- e. At licensee discretion, exclude from the enhanced surveillance program any transmitters that have a normal operating pressure greater than 500 psi and less than or equal to 1500 psi that have reached the appropriate psi-month threshold criterion recommended by Rosemount (60,000 psi-months or 130,000 psi-months depending on the range code of the transmitter).

Supply System Response

The transmitters listed in table 1.e-1 have reached their psi-month criteria of 60,000, based upon historical plant operating data. These transmitters will remain in the existing enhanced surveillance program.

Table 1.e-1

EPN	MODEL	SER#	FUNCTION	Psi Mo
MS-PT-3	1153GB9	405941	SRV INLET PRESSURE	67,747
MS-LT-44A	1153DD5	407327	RPV LEVEL	67,077
MS-PT-51B	1153GB9	412039	MS PRESSURE	63,729
MSLC-PT-10A	1153GB5	292066	0-8 PSIG LEAK PRESSURE A	67,077
MSLC-PT-10B	1153GB5	298594	0-8 PSIG LEAK PRESSURE B	67,077
MSLC-PT-10C	1153GB5	298595	0-8 PSIG LEAK PRESSURE C	67,077
MSLC-PT-10D	1153GB5	298596	0-8 PSIG LEAK PRESSURE D	67,077
MSLC-PT-11	1153GB4	403776	OUTBOARD ISOLATION VLVE HDR PRESSURE	67,077
MSLC-PT-12A	1153GB6	403857	LEAK PRESSURE CHL A	67,077
MSLC-PT-12B	1153GB6	403858	LEAK PRESSURE CHL B	67,077
MSLC-PT-12C	1153GB6	403859	LEAK PRESSURE CHL C	67,077
MSLC-PT-12D	1153GB6	403860	LEAK PRESSURE CHL D	67,077
MSLC-PT-13	1153GB6	403817	OUTBOARD ISOLATION VALVE HEADER	67,077
RFW-DPT-4C	1153DD4	407681	RFW LEVEL CONTROL	67,077
RRC-FT-24D	1153DB5	408248	RECIRC PUMP A FLOW	67,077
RWCU-FT-36	1153DB5	406543	RWCU INLET FLOW	67,077

- f. At licensee discretion, exclude from the enhanced surveillance program any transmitters that have a normal operating pressure less than or equal to 500 psi.

Supply System Response

The transmitters in table 1.f-1 have an operating pressure less than 500 psi. Monitoring of these transmitters will continue under our existing enhanced surveillance program. Standby systems such as HPCS and SLC were classified as low pressure because they are at operating pressures greater than 500 psi only during testing.

Table 1.f-1

EPN	MODEL	SER#	FUNCTION
CAC-FT-1A	1153DB3	404774	DRYWELL ATMOSPHERE CAC FLOW 1A
CAC-FT-1B	1153DB3	404775	DRYWELL ATMOSPHERE CAC FLOW 1B
CAC-FT-2A	1153DB3	404776	CAC FLOW 1A DISCHARGE TO DRYWELL
CAC-FT-2B	1153DB3	404777	CAC FLOW 1B DISCHARGE TO DRYWELL
CAC-FT-3A	1153DB3	404778	SUPPRESSION CHAMBER ATM CAC-HR
CAC-FT-3B	1153DB3	404779	SUPPRESSION CHAMBER ATM CAC-HR
CAC-FT-4A	1153DB3	404780	CAC FLOW 1A DISCHARGE SUPP CHAMBER
CAC-FT-4B	1153DB3	404781	CAC FLOW 1B DISCHARGE SUP CHAMBER
CAC-FT-5A	1153DB4	407351	SCRUBBER 1A SW INLET
CAC-FT-5B	1153DB4	407352	SCRUBBER 1B SW INLET
CAC-FT-7A	1153DB4	407353	FT TO CAC-FIC-67A
CAC-FT-7B	1153DB4	407354	FT TO CAC-FIC-67B
CAC-LT-1A	1153DB3	420771	LT FOR MS-1A
CAC-PT-68B	1153GB6	308827	MOIST SEP PRESSURE
CMS-LT-2	1153DB4	280420	SUPP CHAMBER WATER LEVEL
CMS-LT-2R	1153DB4	403768	SUPP POOL WATER LEVEL
CMS-PT-1	1153GB6	407458	CONTAINMENT PRESSURE
CMS-PT-2	1153GB6	402271	CONTAINMENT PRESSURE
CMS-PT-5	1153GB7	403775	CONTAINMENT PRESSURE
CMS-PT-7	1153AB5	403773	CONTAINMENT PRESSURE
CMS-PT-8	1153AB5	403774	CONTAINMENT PRESSURE RANGE 1
CSP-DPT-4	1153DB3	405778	SUPP CHAMBER ATM DP
CSP-DPT-5	1153DB3	405779	SUPP CHAMBER ATM DP
CSP-DPT-6	1153DB3	405780	SUPP CHAMBER ATM DP
FPC-FT-16	1153DB4	403769	FUEL POOL RETURN FLOW
FPC-FT-17	1153DB4	403770	FUEL POOL RETURN FLOW
FPC-LT-21	1153DB5	403772	FUEL POOL WATER LEVEL
HPCS-FT-5	1153HB6	405727	HPCS PUMP 1 DISCHARGE
LPCS-PT-57	1153GB8	379572	LPCS PUMP DISCHARGE PRESSURE
MSLC-FT-26	1153DB3	289989	MSIV DIV 2 AIR DILT N
MSLC-FT-3A	1153DB3	404782	LOOP A TO MANIFOLD
MSLC-FT-3B	1153DB3	404783	LOOP B TO MANIFOLD

EPN	MODEL	SER#	FUNCTION
MSLC-FT-3C	1153DB3	404784	LOOP C TO MANIFOLD
MSLC-FT-3D	1153DB3	404785	LOOP D TO MANIFOLD
PSR-FT-664	1153DB3	407455	DECON SOL CONC
RHR-PT-37A	1153GB8	335453	PUMP 2A DISCHARGE PRESSURE
RHR-PT-37B	1153GB8	405460	PUMP 2B DISCHARGE PRESSURE
RHR-PT-37C	1153GB8	370833	PUMP 2C DISCHARGE PRESSURE
RWCU-FT-15	1153DB5	406544	RWCU BLOWDOWN TO COND
SLC-FT-1	1153DB4	417406	SLC FLOW
SLC-PT-4	1153GB9	415602	SLC PUMP DISCHARGE
SS-PT-4B	1153GB7	421506	HP TURBINE SEAL STEAM
SS-PT-8	1153GB6	421526	HP TURBINE GLND SEAL LEAK
SW-FT-8A	1153DB7	403180	SW LOOP A RETURN FLOW
SW-FT-8B	1153DB7	403181	SW LOOP B RETURN FLOW

2. Evaluate the enhanced surveillance monitoring program to ensure that the program provides measurement data with an accuracy range consistent with that needed for comparison with manufacturer drift data criteria for determining degradation caused by a loss of fill-oil.

Supply System Response

After consultation with Rosemount, it was determined that two decimal places in our calibration data was required to provide an accuracy range consistent with that needed for comparison with manufacturer drift criteria. Our program utilizes two decimal place calibration data.