ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9312060187 DOC.DATE: 93/11/22 NOTARIZED: NO DOCKET #
FACIL:50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
50-439 Bellefonte Nuclear Plant, Unit 2, Tennessee Valley Au 05000439
AUTH.NAME AUTHOR AFFILIATION
MCCLUSKEY,H.F. Tennessee Valley Authority
RECIP.NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

SUBJECT: Revised final deficiency rept re corrosion of carbon steel piping in ERCW sys.Users/components experiencing shortfalls in required flow rates will be reevaluated to determine required flow may be decreased using hydraulic analysis.

DISTRIBUTION CODE: IE27D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 4
TITLE: 50.55(e) Construction Deficiency Report

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
	PD2-4	1	1	THADANI,M	1	1
INTERNAL:	ACRS	16	16	DEDRO	1	1
	NRR/DORS/OEAB	1	1	NRR/DRIL/RPEB	1	1
	NRR/DRIL/RVIB	1	1	OGC/HDS1	1	1
	REG FILE 02	1	1	RES/DSIR/EIB	1	1
	RGN2 FILE 01	1	1			
EXTERNAL:	NRC PDR	1	1	NSIC SILVER	1	1

R I D S / A D D S

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 28 ENCL 28

November 22, 1993

BLRD-50-438/81-07
BLRD-50-439/81-07

10 CFR 50.55(e)

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Gentlemen:

In the Matter of the Application of)	Docket Nos. 50-438
Tennessee Valley Authority)	50-439

BELLEFONTE NUCLEAR PLANT (BLN) - CORROSION OF CARBON STEEL PIPING IN THE ESSENTIAL RAW COOLING WATER SYSTEM - BLRD-50-438/81-07 AND BLRD-50-439/81-07 - REVISED FINAL REPORT

The subject deficiency was reported in accordance with 10 CFR 50.55(e)(3) in a final report dated March 20, 1986 as NCR BLN NEB 8010 R0. Enclosed is TVA's revised final report on this subject.

Should there be any questions regarding this information, please telephone Greg Pierce, BLN Site Licensing Manager, at (205) 574-8058.

Fred McCluskey

H. Fred McCluskey

Enclosures

020035

9312060187 931122
PDR ADOCK 05000438
S PDR

IE27
111

cc (Enclosures):

NRC Resident Inspector
Bellefonte Nuclear Plant
P. O. Box 2000
Hollywood, Alabama 35752

Mr. R. V. Crlenjak
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. M. C. Thadani, Project Manager
U.S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852

ENCLOSURE 1

BELLEFONTE NUCLEAR PLANT (BLN)
CORROSION OF CARBON STEEL PIPING IN THE
ESSENTIAL RAW COOLING WATER SYSTEM (ERCW)
BLRD-50-438/81-07 AND BLRD-50-439/81-07

REVISED FINAL REPORT

The deficiency and its safety implications have not changed. However, one of the corrective actions has been revised and is described below.

REVISION TO CORRECTIVE ACTIONS

In the first paragraph of the final report dated March 20, 1986, one of the corrective actions described was to requalify certain components for lower flows as described in the seventh interim report. This interim report discussed the use of lowering the maximum ERCW supply temperature from 95°F to 90°F which, in turn, increases the heat transfer capacity of the system. Upon further review, BLN has determined that the conservatism found when using the 95°F maximum should be maintained. Therefore, BLN plans to do the following:

Those users/components experiencing shortfalls in the required flow rates will be reevaluated to determine if the required flow may be decreased using hydraulic analysis. If the minimum required flow cannot be achieved, the ERCW system will be modified.

Also, selected components will be evaluated during preoperational flow testing. Procedural requirements will be developed for these components to evaluate the results of periodic testing during plant operation.

Other corrective actions described in the final report remain as stated.

All corrective actions will be completed prior to fuel load for each unit.

ENCLOSURE 2
BELLEFONTE NUCLEAR PLANT (BLN) UNITS 1 AND 2
BLRD-50-438/81-07 AND BLRD-50-439/81-07

COMMITMENTS

The following corrective actions will be completed prior to fuel load for each unit:

- Those users/components experiencing shortfalls in the required flow rates will be reevaluated to determine if the required flow may be decreased using hydraulic analysis.
- If the minimum required flow cannot be achieved, the ERCW system will be evaluated for potential modifications.
- Selected components will be evaluated during preoperational flow testing.
- Procedural requirements will be developed for these components to evaluate the results of periodic testing during plant operation.