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REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8806230079 DOC. DATE: 88/06/16 NOTARIZED: NO DOCKET #
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 50-260 Browns Ferry Nuclear Power Station, Unit 2, Tennessee 05000260
 AUTH. NAME AUTHOR AFFILIATION
 BROOKS, R.H. Tennessee Valley Authority
 RECIP. NAME RECIPIENT AFFILIATION
 HORN, C. Alabama, State of

SUBJECT: Notification of unpermitted discharge.

DISTRIBUTION CODE: IE23D COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 2
 TITLE: Environmental Event Report (per Tech Specs)

NOTES: S.Black 3 cy. 1 cy. ea to: Ebnetter, Axelrad, S. Richardson 05000259
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	RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
	SIMMS, M	1 0	PD	1 1
	MORAN, D	1 1	GEARS, G	1 1
INTERNAL:	ACRS	5 5	AEOD/DOA	1 1
	AEOD/DSP/TPAB	1 1	AEOD/PTB	1 1
	NRR/DEST/ADE 8H	1 1	NRR/DOEA/EAB 11	1 1
	NRR/DREP/EPB 10	1 1	NRR/DREP/RPB 10	1 1
	NRR/PMAS/ILRB12	1 1	NRR/PMAS/PTSB12	1 1
	NUDOCS-ABSTRACT	1 1	OGC 15-B-18	1 1
	<u>REG FILE</u>	1 1	RGN2 FILE 01	1 1
	RGN2/DRSS/EPRPB	1 1		
EXTERNAL:	LPDR	1 1	NRC PDR	1 1
	NSIC	1 1		
NOTES:		9 9		

TOTAL NUMBER OF COPIES REQUIRED: LTR 35 ENCL 34

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TENNESSEE VALLEY AUTHORITY
KNOXVILLE, TENNESSEE 37902

JUN 16 1988

Mr. Charles Horn, Director
Water Division
Alabama Department of
Environmental Management
1751 Federal Drive
Montgomery, Alabama 36130

Dear Mr. Horn:

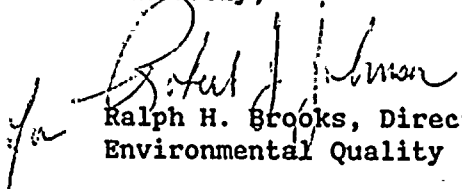
BROWNS FERRY NUCLEAR PLANT (BFN) - NPDES NO. ALO022080 - NOTIFICATION OF
UNPERMITTED DISCHARGE

A leak of sodium nitrite from the BFN unit 1 and 2 control bay chillers was identified on April 4. Chemistry personnel initiated chemical treatment of the chillers on March 31 by adding 5 pound increments of reagent grade sodium nitrite to the system. This addition is made until a concentration of greater than 500 mg/l nitrite is obtained in the system. A leak was suspected when chemistry personnel were unable to sustain the desired nitrite concentration and the chemical addition was then terminated on April 4. Immediate steps were taken to identify the location of the leak and the chillers were subsequently repaired.

The sodium nitrite entered the Tennessee River via the office building drain and discharge serial number 110. The quantity of sodium nitrite discharged was less than 25 pounds, and the estimated concentration at the diffuser discharge was less than 0.1 parts per million.

If your staff has any questions on this matter, please have them contact Madonna E. Martin at (615) 632-6695 in Knoxville.

Sincerely,


Ralph H. Brooks, Director
Environmental Quality

cc: Mr. K. P. Barr, Acting Assistant Director
for Inspection Programs
TVA Projects Division
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW., Suite 2900
Atlanta, Georgia 30323

Continued on page 2

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Mr. Charles Horn

JUN 16 1988

cc: Mr. Bruce R. Barrett, Director
Water Management Division
U.S. Environmental Protection Agency
Region IV
345 Courtland Street, NE
Atlanta, Georgia 30365

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

Mr. G. G. Zech, Assistant Director
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U.S. Nuclear Regulatory Commission
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Rockville, Maryland 20852