

**ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM**  
REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8808050239      DOC.DATE: 88/07/28      NOTARIZED: NO      DOCKET #  
 FACIL:50-259 Browns Ferry Nuclear Power Station, Unit 1, Tennessee      05000259  
 50-260 Browns Ferry Nuclear Power Station, Unit 2, Tennessee      05000260  
 50-296 Browns Ferry Nuclear Power Station, Unit 3, Tennessee      05000296

AUTH.NAME      AUTHOR AFFILIATION  
 SCHMIERBACH,M.P      Tennessee Valley Authority  
 RECIP.NAME      RECIPIENT AFFILIATION  
 HORN,C.      Alabama, State of

SUBJECT: Discusses notification of unpermitted discharge identified on 880630.

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

NOTES:1 Copy each to: F.McCoy,J.G.Partlow, S.Richardson,S.Black,      05000259  
 B.D.Liaw.  
 1 Copy each to: S.Black, J.G.Partlow, S.Richardson      05000260  
 B.D.Liaw,F.McCoy.  
 1 Copy each to: S. Black, J.G.Partlow,S.Richardson      05000296  
 B.D.Liaw,F.McCoy.

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	SIMMS,M	1 0	PD	1 1
	PM	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/HDS2	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:		5 5		

TENNESSEE VALLEY AUTHORITY  
KNOXVILLE, TENNESSEE 37902

JUL 28 1988

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

Dear Mr. Horn:

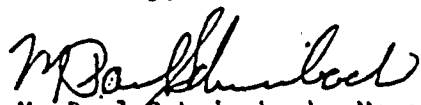
BROWNS FERRY NUCLEAR PLANT (BFN) - NPDES NO. AL0022080 - NOTIFICATION OF UNPERMITTED DISCHARGE

A leak of sodium nitrite from the BFN unit 1/2 and unit 3 control bay chillers was identified on June 30. Chemistry personnel initiated chemical treatment of the chillers on June 30 by adding 5 pounds of reagent grade sodium nitrite to each system. A leak was suspected when nitrates were detected in the unit 1 and 2 office building drain (discharge serial number (DSN) 110) and the unit 3 control building drain (DSN 107). No further chemical additions were made and immediate steps were taken to identify the location of the leak and repair the chillers. Previous repairs to the unit 1/2 chiller had apparently not been successful.

The sodium nitrite entered the Tennessee River via both DSNS 107 and 110. The total quantity of sodium nitrite discharged was less than 10 pounds and the estimated concentration at the diffuser discharge was less than 0.050 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, Tennessee.

Sincerely,

  
M. Paul Schmierbach, Manager  
Environmental Quality

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

Continue on page 2

8808050239 880728  
PDR ADDCK 05000259  
S PNU

IE23  
10

JUL 26 1988

Mr. Charles Horn, Director

cc: Ms. S. C. Black, Assistant Director  
for Projects  
TVA Projects Division  
U.S. Nuclear Regulatory Commission  
One White Flint, North  
11555 Rockville Pike  
Rockville, Maryland 20852

Mr. F. R. McCoy, Assistant Director  
for Inspection Programs  
TVA Projects Division  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW., Suite 2900  
Atlanta, Georgia 30323

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