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November 17, 1980

2-110-22

Mr. K. V. Seyfrit, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

SUBJECT: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Licensee Event Report No. 80-009/03X-1
(File: 2-0520)

Gentlemen:

In accordance with Arkansas Nuclear One - Unit 2 Technical Specification 6.9.1.9.b, attached is the subject report concerning the Reactor Coolant System I-131 dose equivalent value exceeding Technical Specification limits. This is a revision to a previous report submitted February 28, 1980.

Very truly yours,

A handwritten signature in cursive script that reads "David C. Trimble".

David C. Trimble
Manager, Licensing

DCT:GAC:lp

80y
Attachment

cc: Mr. Victor Stello, Jr., Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Norman M. Haller, Director
Office of Management and Program Analysis
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

S 8011210584

REVISED REPORT - PREVIOUS REPORT DATE 2/28/80

NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: _____ (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | A | R | A | N | 0 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 4 | 1 | 1 | 1 | 1 | 4 | 5

7 8 9 14 15 25 26 30 37 CAT 58

CON'T

01 | L | 0 | 1 | 5 | 0 | 1 | 0 | 0 | 3 | 6 | 8 | 7 | 0 | 1 | 1 | 2 | 1 | 9 | 8 | 1 | 0 | 8 | 1 | 1 | 1 | 1 | 7 | 1 | 8 | 0 | 9

7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | During Mode 3 operation, following a Reactor trip from 100% rated reactor

03 | power, an Iodine - 131 dose equivalent value of 1.67 microcuries per

04 | gram was observed, exceeding the limit of T.S. 3.4.8.a. There have been

05 | no similar occurrences. Reportable per T.S. 6.9.1.3.b.

06 | _____

07 | _____

08 | _____

09 | _____

SYSTEM CODE: CIG (11) CAUSE CODE: X (12) CAUSE SUBCODE: Z (13) COMPONENT CODE: ZZZZZZ (14) COMP SUBCODE: Z (15) VALVE SUBCODE: Z (16)

LER/RD REPORT NUMBER: 1810 (17) EVENT YEAR: 80 (21) SEQUENTIAL REPORT NO: 009 (24) OCCURRENCE CODE: 03 (28) REPORT TYPE: X (30) REVISION NO: 1 (32)

ACTION TAKEN: X (18) FUTURE ACTION: Z (19) EFFECT ON PLANT: Z (20) SHUTDOWN METHOD: Z (21) HOURS: 0000 (22) ATTACHMENT SUBMITTED: Y (23) NPD-4 FORM 504: N (24) PRIME COMP SUPPLIER: Z (25) COMPONENT MANUFACTURER: Z999 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | The occurrence was caused by an expected spike following the trip. A

11 | decrease in Iodine activity immediately following the initial high sample

12 | indicates a "CRUD" burst took place rather than fuel failures. Per the

13 | requirement of T.S. 3.4.8.d, additional historical information is

14 | attached. Activity was returned to acceptable limits.

15 | FACILITY STATUS: B (28) % POWER: 0010 (29) OTHER STATUS: Testing (30) METHOD OF DISCOVERY: B (31) DISCOVERY DESCRIPTION: Rad Chem Analysis (32)

16 | ACTIVITY CONTENT RELEASED: Z (33) OF RELEASE: Z (34) AMOUNT OF ACTIVITY: NA (35) LOCATION OF RELEASE: NA (36)

17 | PERSONNEL EXPOSURES NUMBER: 000 (37) TYPE: Z (38) DESCRIPTION: NA (39)

18 | PERSONNEL INJURIES NUMBER: 000 (40) DESCRIPTION: NA (41)

19 | LOSS OF OR DAMAGE TO FACILITY TYPE: Z (42) DESCRIPTION: NA (43)

20 | PUBLICITY ISSUED: N (44) DESCRIPTION: NA (45)

NAME OF PREPARER: Chris N. Shively PHONE: 501/968-2519

8011210590

	TIME	% POWER (Cv9005)	CHARGING FLOW gpm	LETDOWN FLOW gpm
1-29-80	2100	7.26	Not Available	Not Available
	2000	7.26		
	1900	98.9		
	1800	99.5		
	1700	99.4		
	1600	99.5		
	1500	100.0		
	1400	100.2		
	1300	99.6		
	1200	100.0		
	1100	99.8		
	1000	99.7		
	0900	100.7		
	0800	100.3		
	0700	99.7		
	0600	99.5		
	0500	99.9		
	0400	99.8		
	0300	99.5		
	0200	99.9		
0100	99.7			
1-28-80	0000	99.7		34.5
	2300	99.9	45.7	36.2
	2200	99.9	45.5	35.7
	2100	99.1	45.4	34.1
	2000	99.5	45.4	34.3
	1900	98.9	46.1	33.1
	1800	99.2	44.5	34.5
	1700	99.1	45.9	33.0
	1600	99.3	44.9	32.3
	1500	99.7	46.2	34.2
	1400	99.7	45.6	35.9
	1300	99.8	44.7	30.2
	1200	99.8	45.1	34.2
	1100	99.6	45.2	74.3
	1000	99.6	90.3	79.5
	0900	99.4	89.4	28.4
	0800	98.8	45.7	77.6
	0700	99.8	89.6	94.1
	0600	99.7	89.6	35.9
	0500	99.7	45.9	82.1
0400	100.0	91.3	83.7	
0300	99.9	89.5	74.9	
0200	100.1	89.9	75.4	
0100	99.6	90.3	72.3	
1-27-80	0000	100.1	45.9	36.6
	2300	100.1	45.7	36.8
	2200	100.1	90.2	84.3
	2100	99.5	45.3	38.8

<u>FUEL TYPE</u>	<u>TOTAL OF OF F.A.'s</u>	<u>ENRICHMENT</u>	<u>BURNABLE POISON SHIMS</u>	<u>BURNABLE POISON B₁₀ w/o</u>	<u>AVERAGE B.U.</u>
A	61	1.93	0	----	1560.4 MWD/MTU
B+	60	2.27	12	3.62	2204.0 MWD/MTU
C ₁	8	2.94	12	1.18	2441.6 MWD/MTU
C ₂	16	2.94	12	1.96	2851.6 MWD/MTU
C ₃	12	2.94	2	3.62	3046.8 MWD/MTU
C ₄	16	2.94	3	3.62	2974.7 MWD/MTU
C ₅	4	2.94	12	1.96(9) 3.62(3)	1570.1 MWD/MTU

At 2100 on January 29, 1980, an RCS sample indicated IDE = 1.674. Samples were taken at intervals until IDE = 0.989 at 1315 on January 30, 1980.