

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

011 | ARAIN0212 | 0001-00000000-00013 | 41111114 | 1115
 7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58
011 | REPORT L16 | 0500036817 | 033118218 | 05258419
 7 8 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | On 3/31/82 while in Mode 1 at 100% full power, charging pump 2P-36A was found to be leaking during a
03 | routine operations tour. Pump 2P-36A was operating at the time of the discovery. Charging pumps 2P-36B &
04 | 2P-36C were operable at the time of the occurrence. The leak was small and drained to the radwaste system.
05 | This occurrence is reportable per T.S.6.9.1.9.d., as an abnormal degradation of a system designed to contain
06 | radioactive material.
07 |
08 |
 7 8 9

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE				COMP SUBCODE	VALVE SUBCODE
<u>0</u> <u>9</u>	<u>P</u> <u>C</u> <u>11</u>	<u>E</u> <u>11</u>	<u>B</u> <u>13</u>	<u>P</u> <u>U</u> <u>M</u> <u>P</u> <u>X</u> <u>X</u> <u>14</u>					
7 8	9 10	11	12	13	18	19	20		

LER/RO REPORT NUMBER	EVENT YEAR	CAUSE CODE	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.
<u>17</u>	<u>1</u> <u>8</u> <u>2</u>	<u>---</u>	<u>0</u> <u>1</u> <u>2</u>	<u>1</u> <u>/</u> <u>1</u>	<u>0</u> <u>3</u>	<u>---</u>
	<u>21</u> <u>22</u>	<u>23</u>	<u>24</u> <u>26</u>	<u>27</u>	<u>30</u> <u>29</u>	<u>31</u> <u>32</u>

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
<u>1</u> <u>X</u> <u>18</u>	<u>1</u> <u>Z</u> <u>19</u>	<u>1</u> <u>Z</u> <u>20</u>	<u>1</u> <u>Z</u> <u>21</u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>22</u>	<u>1</u> <u>Y</u> <u>23</u>	<u>1</u> <u>Y</u> <u>24</u>	<u>1</u> <u>N</u> <u>25</u>	<u>1</u> <u>G</u> <u>0</u> <u>4</u> <u>5</u> <u>26</u>
33	34	35	36	37	40	41	42	43

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | The cause of the leak was a cracked cylinder head. The pump 2P-36A was taken out of service and declared
11 | inoperable. Pumps 2P-36B and 2P-36C were lined up to satisfy T.S.3.1.2.4. An engineering evaluation
12 | determined that the cracked head was caused by pump starvation and subsequent shock loading of the cylinder
13 | wall. Follow-up investigation revealed that a loss of volume control tank (VCT) level had occurred
14 | previously. The indicated level at this time decreased from 72% to 57%. Subsequently the charging (cont)
 7 8 9

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
<u>1</u> <u>5</u>	<u>1</u> <u>0</u> <u>0</u> <u>0</u> <u>129</u>	<u>NA</u>	<u>A</u> <u>31</u>	<u>Operator Observation</u>
7 8	9 10 12	13	44 45 46	80

ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
<u>1</u> <u>6</u>	<u>Z</u> <u>33</u>	<u>NA</u>	<u>NA</u>
7 8	9 10 11	135 44 45	80

PERSONNEL EXPOSURES NUMBER	TYPE	DESCRIPTION
<u>1</u> <u>7</u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>37</u>	<u>Z</u> <u>38</u>
7 8	9 11 12	13

PERSONNEL INJURIES NUMBER	DESCRIPTION
<u>1</u> <u>8</u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>140</u>
7 8	9 11 12

LOSS OF OR DAMAGE TO FACILITY TYPE	DESCRIPTION
<u>1</u> <u>9</u>	<u>Z</u> <u>142</u>
7 8	9

PUBLICITY ISSUED	DESCRIPTION
<u>2</u> <u>0</u>	<u>N</u> <u>144</u>
7 8	9 10

NAME OF PREPARER: Patrick Rogers

NRC USE ONLY
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 68 69
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LER No. 50-368/82-012/03X-1

Occurrence Date: 03/31/82

Cause Description and Corrective Actions (Continued)

pump flow indication became erratic. Upon investigating the occurrence the level indication was found to be reading incorrectly. Gas was found in the flow and level transmitters corroborating the determination of pump starvation. The cause of the incorrect VCT level indication was loss of the reference leg. The cracked cylinder head was replaced. The VCT level transmitter surveillance frequency has been increased to provide more frequent checks of the reference leg condition. The VCT level instrumentation calibration performed during the last refueling revealed satisfactory results.



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

Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Licensee Event Report
No. 82-012/03X-1

Gentlemen:

In accordance with Arkansas Nuclear One - Unit 2 Technical Specification 6.9.1.9.d, attached is the subject report concerning charging pump 2P-36A which was found leaking while in Mode 1 operation. This is an update to a previous submittal dated April 21, 1982.

Very truly yours,

John R. Marshall
Manager, Licensing

JRM:RJS:ac

Attachment

cc: Mr. Richard P. Denise, Director
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