

# LICENSEE EVENT REPORT

UPDATED REPORT - PREVIOUS REPORT DATE 06/09/83

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 T N S N P 1 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5  
 7 8 9 14 15 25 26 37 CAT 50  
 LICENSEE CODE LICENSE NUMBER LICENSE TYPE JO

CON'T  
 01 REPORT SOURCE L 6 0 5 10 10 0 3 2 7 7 0 5 1 2 8 3 8 0 7 2 3 8 5 9  
 2 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 The original LER stated that unit 1 was in mode 1 at 100 percent Rx power. The 1A-A  
 03 diesel generator (D/G) was declared inoperable for surveillance requirement 4.8.1.1:2.d.1.  
 04 During the warmup prior to the performance of the surveillance, a cooling water leak  
 05 to the crankcase was discovered when the unit tripped on high crankcase pressure.  
 06 This required entry into action statement 'a' of LCO 3.8.1.1. There was no effect on  
 07 public health or safety. Previous occurrences - none.

08  
 09 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE  
 E E 11 E 12 B 13 E N G I N E 14 Z 15 Z 16  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
 17 LER/RO REPORT NUMBER EVENT YEAR 8 3 21 22  
 0 7 0 24 26 SEQUENTIAL REPORT NO.  
 0 3 28 29 OCCURRENCE CODE  
 L 30 REPORT TYPE  
 1 32 REVISION NO.  
 ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS 22 ATTACHMENT SUBMITTED N 23 NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER  
 A 18 Z 19 Z 20 Z 21 0 0 0 0 40 N 23 N 24 A 25 G 1 0 0 44 47

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 The engine oil cooler and the number 8 cylinder power pack were replaced on the  
 11 General Motors (GM) Model 16-645#4 D/G. The cylinder head (S/N 77A-4524) was cracked  
 12 from the injector well to the number three valve seat. After an inspection by TVA and  
 13 GM, failure was attributed to a random cause. The use of UTEX parts has been  
 14 discontinued. The D/G was returned to service and no other problems were found.

15 FACILITY STATUS 1 POWER 1 0 0 29 OTHER STATUS 30 NA METHOD OF DISCOVERY 31 DISCOVERY DESCRIPTION 32 Surveillance Test  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
 16 ACTIVITY CONTENT 17 RELEASED OF RELEASE 18 AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36 NA  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
 17 PERSONNEL EXPOSURES NUMBER 18 TYPE 19 DESCRIPTION 30 NA  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
 18 PERSONNEL INJURIES NUMBER 19 DESCRIPTION 41 NA  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
 19 LOSS OF OR DAMAGE TO FACILITY TYPE 20 DESCRIPTION 43 NA  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
 20 PUBLICITY ISSUED 21 DESCRIPTION 45 NA  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

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 PDR ADOCK 05000327  
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NRC USE ONLY

Name of Preparer: G. E. Duggin / G. B. Kirk

Phone: (615) 870-6549

Sequoyah Nuclear Plant

LER SUPPLEMENTAL INFORMATION

SQRO-50-327/83070, REV 1      Technical Specification Involved: 3/4.8.1

Reported Under Technical Specification: 3.8.1.1

Date of Occurrence: 05/12/83

Time of Occurrence: 0545C

Identification and Description of Occurrence:

While unit 1 was in mode 1 (100 percent power), the 1A-A diesel generator (D/G) was declared inoperable. Surveillance Instruction (SI)-102, "Inspection of Diesel Generators" was being performed.

Conditions Prior to Occurrence:

Normal plant operations

Apparent Cause of Occurrence:

During the warmup run, a cooling water leak to the crankcase was discovered when the unit tripped on high crankcase pressure.

Analysis of Occurrence:

The leak was coming through the No. 8 cylinder head which was found to be cracked. The lubrication oil cooler was also replaced after finding that the cooler leaked also. The probable cause for the oil cooler failure was normal end of life.

The cracked head was sent to General Motors (GM) for analysis. GM indicated that the failure occurred because of a water elbow being partially blocked by a casting flaw. The coolant was in excellent condition and it was not a factor in the leak.

Corrective Action:

The head failure is attributed to a random cause. The use of UTEX parts has been discontinued.

Failure Data:

None

TENNESSEE VALLEY AUTHORITY

Sequoyah Nuclear Plant

Post Office Box 2000

Soddy Daisy, Tennessee 37379

July 22, 1985

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

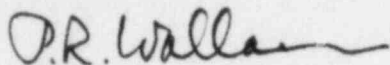
Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 1 - DOCKET NO.  
50-327 - FACILITY OPERATING LICENSE DPR-77 - REPORTABLE OCCURRENCE REPORT  
SQRO-50-327/83070, REVISION 1

The enclosed updated report provides additional details concerning the trip of diesel generator 1A-A on high crankcase pressure. This event required entry into action statement 'a' of limiting condition for operation 3.8.1.1. This licensee event report was originally reported to NRC on June 9, 1983.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



P. R. Wallace  
Plant Manager

Enclosure  
cc (Enclosure):

J. Nelson Grace, Regional Administrator  
U.S. Nuclear Regulatory Commission  
Suite 2900  
101 Marietta Street, NW  
Atlanta, Georgia 30323

Records Center  
Institute of Nuclear Power Operations  
Suite 1500  
1100 Circle 75 Parkway  
Atlanta, Georgia 30339

NRC Inspector, NUC PR, Sequoyah