

# LICENSEE EVENT REPORT

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

0 1 N E F C S 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 4 1 1 1 1 4 5  
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T  
0 1 REPORT SOURCE L 6 0 5 0 0 0 0 2 8 5 7 1 0 2 6 7 8 8 1 1 2 4 7 8 9  
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 Following repeated tripping of the stack particulate process monitor (RM-061), a review  
0 3 of Section 2.9 of the Technical Specifications and the monitor setpoint calculations  
0 4 was conducted. It was determined that RM-061 was set to trip in accordance with Table  
0 5 2-1 at  $9.6 \times 10^{-2}$   $\mu\text{Ci/sec}$  rather than the more conservative release rate of  $2 \times 10^{-3}$   
0 6  $\mu\text{Ci/sec}$  as specified in Tech. Spec. 2.9(2)b. No release rates were exceeded since the  
0 7 more restrictive value of  $2 \times 10^{-3}$   $\mu\text{Ci/sec}$  was used, and has been used, in determining  
0 8 all maximum release rates from containment.

0 9 SYSTEM CODE M C 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE Z Z Z Z Z Z Z 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16  
7 8 9 10 11 12 13 14 15 16  
17 LER/RO REPORT NUMBER 7 8 21 22 EVENT YEAR 0 3 4 24 25 SEQUENTIAL REPORT NO. 0 3 28 29 OCCURRENCE CODE L 30 31 REPORT TYPE 0 32 REVISION NO.  
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER  
E 18 G 19 Z 20 Z 21 0 0 0 0 22 Y 23 N 24 Z 25 Z 9 9 9 9 26  
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The maximum release rate of particulates with half-lives greater than eight days  
1 1 should have been  $9.4 \times 10^{-2}$   $\mu\text{Ci/sec}$  per Technical Specification 2.9(2)b and the NRC  
1 2 interpretation of October 26, 1978. All applicable procedures were changed accordingly.  
1 3 Issuance of Facility License Change 78-1 (Appendix I Technical Specification submittal)  
1 4 will alleviate the problem identified by this incident.

1 5 FACILITY STATUS H 28 % POWER 0 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY C 31 DISCOVERY DESCRIPTION Review of Technical Specification 32  
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  
1 6 ACTIVITY CONTENT Z 33 Z 34 NA 35 AMOUNT OF ACTIVITY NA 36 LOCATION OF RELEASE  
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  
1 7 PERSONNEL EXPOSURES 0 0 0 37 Z 38 NA 39  
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  
1 8 PERSONNEL INJURIES 0 0 0 40 NA 41  
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  
1 9 LOSS OF OR DAMAGE TO FACILITY Z 42 NA 43  
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  
2 0 PUBLICITY N 44 NA 45  
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

7812010240

Lawrence T. Kusek

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NRC USE ONLY

LER 78-034  
Omaha Public Power District  
Fort Calhoun Station Unit No. 1  
Docket No. 05000285

Attachment No. 3

Safety Analysis

The purpose of the stack particulate process monitor (RM-061) is to monitor the presence of radioactive particulates in the plant stack and to automatically terminate a release from the plant in order to maintain the particulate release rate within the values specified in Tech. Spec. 2.9(2) a and b. Both the Technical Specifications (Section 2.9(2) e.(i) and note (4) of table 2-1) and plant procedures (Standing Order T-12) require that the stack iodine, particulate and gaseous monitors be operable and capable of performing their design function before a containment purge is initiated.

The trip setpoints for the stack particulate process monitor was determined using a maximum release rate value of  $9.6 \times 10^{-2} \mu\text{Ci/sec}$  instead of the Tech. Spec. 2.9(2)b value of  $9.4 \times 10^{-2} \mu\text{Ci/sec}$  which was identified by the Commission interpretation as being the correct value. In view of the very small difference between these two numbers and the fact that the more restrictive value of Tech. Spec. 2.9(2)b, namely  $2 \times 10^{-3} \mu\text{Ci/sec}$ , was used in determining all maximum release rates from the containment, no radioactivity was released from the plant in excess of Federal limits. During all releases from the containment the required monitors were operable and capable of terminating the release at their preset setpoints.

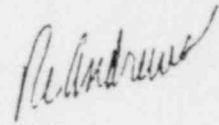
*A. Andrews*

LER 78-034  
Omaha Public Power District  
Fort Calhoun Station Unit No. 1  
Docket No. 5000285

Attachment No. 4

Failure Data

This is the first incident that has arisen concerning the interpretation of Tech. Spec. 2.9(2) and the subsequent determination of plant stack process monitor setpoints.

A handwritten signature in cursive script, likely reading "R. Andrews", is located in the lower right quadrant of the page.