

LICENSEE EVENT REPORT

CONTROL BLOCK: ①

(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	3	4	1	1	1	1	4	5			
7	8	LICENSEE CODE						14	15	LICENSE NUMBER										25	26	LICENSE TYPE				30	37	CAT		38

0	1	L	6	0	5	0	0	0	2	8	5	7	1	2	0	5	7	8	8	1	2	2	2	7	8	9
7	8	REPORT SOURCE		60	61	DOCKET NUMBER						68	69	EVENT DATE				74	75	REPORT DATE				80		

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

0 2 During the performance of the type B and C containment leak rate tests during the

0 3 1978 refueling outage, it was noted that the total leakage exceeded the 0.6 La limit

0 4 of 62,951 sccm.

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0	9	S	D	11	E	12	B	13	V	A	L	V	E	X	14	X	15	D	16								
7	8	SYSTEM CODE		9	10	CAUSE CODE		11	CAUSE SUBCODE		12	COMPONENT CODE				13	COMP. SUBCODE		19	VALVE SUBCODE		20					
17		LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.															
33		34		21		22		23		24		25		26		27		28		29		30		31		32	
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER											
33		34		35		36		37		40		41		42		43		44		45		46		47			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ⑰

1 0 The penetrations that exhibited excess leakage were repaired and the total containment

1 1 leakage was reduced to below the 0.6 La (62,951 sccm) limit. A modification to the con-

1 2 tainment purge valves was completed this refueling outage which should reduce the leak-

1 3 age attributable to these valves, even if after repeated cycling. Quarterly leakage

1 4 tests will continue to be performed on the containment purge valve penetrations.

1	5	H	28	0	0	0	29	Refueling Shutdown	B	31	Refueling leak rate test	32
7	8	FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION		
33		34		35		36		37		38		
ACTIVITY TAKEN		CONTENT RELEASED		OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE				
33		34		35		36		37				
PERSONNEL EXPOSURES		NUMBER		TYPE		DESCRIPTION						
33		34		35		36						
PERSONNEL INJURIES		NUMBER		DESCRIPTION								
33		34		35								
LOSS OF OR DAMAGE TO FACILITY		TYPE		DESCRIPTION								
33		34		35								
PUBLICITY ISSUED		DESCRIPTION										
33		34		35								

790103 0110

NAME OF PREPARER

J. Connolley/G. Peterson

PHONE:

402-426-4011

NRC USE ONLY

LER 78-040
Omaha Public Power District
Fort Calhoun Station Unit No. 1
Docket No. 05000285

Attachment No. 1

Safety Analysis

The air leakage tests performed during the 1978 refueling outage indicated a total leakage rate of 481,304.27 sccm of this leakage. However, only 183,288.07 sccm can be attributed to direct containment atmosphere leakage. Since the containment purge valves were the largest contributors to this leakage, 143,002.17 sccm and the leakage of the purge valves was verified to be 8,410 sccm on September 14, 1978, prior to cycling to purge containment after the shutdown. It can, therefore, be concluded that containment integrity was not violated during plant operation since the total leak rate to atmosphere would have been 48,695.9 sccm. The purge valves were repaired during the 1978 refueling outage as were other valves and mechanical seals to bring the total leak rate within the 0.6 La limit. A special report (as required by Technical Specification 5.9.3.e) will be submitted within 90 days of the leak test completion date.

