

LICENSEE EVENT REPORT

CONTROL BLOCK:

1	2	3	4	5	6
					1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	M	D	C	C	N	2	2	0	0	-	0	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4		5
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

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

0	1	L	6	0	5	0	0	0	0	1	8	0	8	0	2	8	1	8	0	9	0	1	8	1	9			
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

CON'T REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0	2	At 2130 during normal plant operations, the Control Room Operator ob-																											
0	3	served the Containment Particulate Monitor was reading lower than nor-																											
0	4	mal. The monitor was declared inoperable (T.S. 3.4.6.1). Investigation																											
0	5	revealed a defective detector tube socket. The monitor was placed back																											
0	6	in service at 0920 on August 5. The Containment Gaseous Monitor and																											
0	7	Sump Level Alarm remained operable during the event. LER 50-317/																											
0	8	80-55 and LER 79-21 describe similar events.																											
7	8	9																											

0	9	B	B	11	E	12	D	13	E	L	E	C	O	N	14	Z	15	Z	16	8	1	0	3	7	0	3	L	0	3	0	0	0	0	Y	23	N	24	A	25	W	1	2	0	26
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	

SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1	0	High humidity of the containment sample is believed to be the cause.																											
1	1	Detector socket pins were corroded resulting in electrical leakage to																											
1	2	ground. Signal level was restored by replacing the socket. Preven-																											
1	3	tive action is being investigated in a current engineering review. An																											
1	4	updated report will be submitted when such action is defined.																											
7	8	9																											

1	5	E	28	1	0	0	29	NA	A	31	Operator Observation																	
7	8	9	10	11	12	13	14	15	16	17	18																	

FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
ACTIVITY TAKEN CONTENT AMOUNT OF ACTIVITY LOCATION OF RELEASE
PERSONNEL EXPOSURES TYPE DESCRIPTION PERSONNEL INJURIES DESCRIPTION
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
PUBLICATION DESCRIPTION
ISSUED DESCRIPTION8109110352 810901
PDR ADOCK 05000318
S PDR

NRC USE ONLY

NAME OF PREPARER M. A. Junge/P. G. Rizzo

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LER NO. 81-37/3L
DOCKET NO. 50-318
LICENSE NO. DLR-69
EVENT DATE 08-02-81
REPORT DATE 09-01-81
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

The apparent cause of failure is the level of humidity of the Containment Atmosphere sample. The detector tube socket pins were found to be corroded with resulting material creating electrical leakage paths to ground. The socket (Westinghouse Part No. 2372A80H02) was replaced and detector signal level was restored.

Previous efforts by plant personnel to seal electrical components from the sample have been unsuccessful in providing appreciable improvement. Forecasting the likelihood of failure has also been unsuccessful except for a few occasions of known steam leaks in Containment in the vicinity of the sampler source tap. In such cases, however, condensation within the sampler has been prodigious and failure of electrical components an imminent result. During the repair following this event, no moisture was observed on the detector, socket or sampler.

A plant engineering review of current Radiation Monitoring System problems was begun in July, 1981. Initiation of measures to prevent moisture-related failures is a prime objective of the review. Consideration is being given to sample conditioning as well as equipment redesign. In the case of the Containment Atmosphere samplers, an attempt to design effective detector-socket moisture seals is in progress.

An updated report will be submitted when preventive action has been defined.