NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
RANCHO SECO NUCLEAR GENERATING STATION UNIT NO. 1	0 5 0 0 0 3 1 2	1 OF 0 2

TITLE (4)
HEPA FILTER BANK LEAK

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)
										0 5 0 0 0
0 9	0 6	8 5	8 5	— 0 1 7	— 0 0	0 9	1 7	8 5	NONE	0 5 0 0 0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
N		20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10)		20.405(a)(1)(i)	50.36(c)(1)	X 50.73(a)(2)(v)	73.71(c)
0 0 0		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
Ron W. Colombo, Regulatory Compliance Supervisor	9 1 6 4 5 2 - 3 2 1 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
B	V F	A H U	C 0 1 0	Y							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On September 6, 1985, it was reported via an internal Occurrence Description Report, that a leakage flow path existed in the filtration unit of the auxiliary building "A" ventilation unit (A-542A), thus allowing a small portion of the air flow to bypass the high-efficiency particulate air (HEPA) filters. This constitutes a condition which could have prevented the fulfillment of the safety function of a system that is needed to control the release of radioactive material and is being reported under 10 CFR 50.73(a)(2)(v).

The "bypass" flow path resulted from the omission of a seal plate during the manufacturing of the filtration unit and has existed since its initial installation. The filtration unit on the "B" train was examined and the seal plate was found to be welded in place. The missing seal plate was discovered while performing the refueling outage auxiliary building filter system surveillance procedure.

An investigation of this concern revealed that the flow being bypassed was approximately .1% of the nominal flow rate. It was also determined that the unfiltered bypass flow alone was not sufficient to prevent the system from meeting the Technical Specifications surveillance standards.

To eliminate the bypass flow path, a steel plate was welded over the bypass opening. Upon completion of the work, a dioctyl phthalate (DOP) scan of the repair was performed and the unit was tested in accordance with the surveillance procedure. Corrective action was completed September 16, 1985.

There were no effects on plant or public safety as a result of this event.

IE22 1/1

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
RANCHO SECO NUCLEAR GENERATING STATION UNIT NO. 1	0 5 0 0 0 3 1 2	8 5	— 0 1 7	— 0 0	0 2 OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On September 6, 1985, it was reported via an internal Occurrence Description Report, that a leakage flow path existed in the filtration unit of the auxiliary building "A" ventilation unit (A-542A), thus allowing a small portion of the air flow to bypass the high-efficiency particulate air (HEPA) filters. This bypass path represents a degradation of a safety system that is needed to control the release of radioactive material and is being reported under the requirements of 10 CFR 50.73(a)(2)(v).

The "bypass" flow path resulted from the omission of a seal plate during the manufacturing of the filtration unit and has existed since its installation (prior to initial plant criticality in 1974). The manufacturer of the unit was CVI, a subsidiary of Pennwalt. The missing seal plate was discovered while performing surveillance procedure SP 211.04A (Auxiliary and Spent Fuel Building Filter System "A") when a small area of discoloration was detected on the filtration unit. The discoloration was thought to be the result of painting activity and subsequent filtration which occurred during the recent fuel outage. The filtration on the "B" train was examined for a similar deficiency and the seal plate was found to be welded in place.

The bypass area was measured to be .012 ft^2 and from a test it was determined that the flow being bypassed was approximately .1% of the nominal 43400 CFM flow rate. A review of past SP.211.04A surveillance test records also indicated that the unfiltered bypass flow alone was not sufficient to prevent the auxiliary building filter system from meeting the surveillance standards established in the Rancho Seco Unit 1 Technical Specifications Section 4.12.

To eliminate the bypass flow path, a steel plate was welded over the bypass opening. Upon completion of the work, a dioctyl phthalate (DOP) scan of the repair was performed and the "A" unit was tested in accordance with the surveillance procedure. This corrective action was completed September 16, 1985. In addition, the District's Incident Analysis Group will perform a root cause evaluation of this event. If the results of the evaluation differ significantly from the conclusions stated in this report, a supplemental report providing the new information will be submitted.

There were no effects on plant or public safety as a result of this event.

SMUD
SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, P.O. Box 15830, Sacramento CA 95852-1830, (916) 452-3211
AN ELECTRIC SYSTEM SERVING THE HEART OF CALIFORNIA

RJR 85-472

September 26, 1985

J B MARTIN REGIONAL ADMINISTRATOR
REGION V OFFICE OF INSPECTION AND ENFORCEMENT
ATTN DOCUMENT CONTROL DESK
U S NUCLEAR REGULATORY COMMISSION
WASHINGTON DC 20555

DOCKET NO. 50-312
LICENSE NO. DPR-54
LICENSEE EVENT REPORT NUMBER 85-17

In accordance with the requirements of 10 CFR 50.73(a)(2)(v), the Sacramento Municipal Utility District hereby submits Licensee Event Report Number 85-17.

If there are any questions concerning this report, please contact Mr. Ron Colombo at the Rancho Seco Nuclear Generating Station Unit No. 1.

P. J. RODRIGUEZ
ASSISTANT GENERAL MANAGER
NUCLEAR

Attachment

cc: Region V (2)
INPO

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1/1