

**HALLIBURTON NUS**  
*Environmental Corporation*  
**FILE COPY**

Steven E. Mittenberger

JUN 30 1992  
NLR-N92081

United States Nuclear Regulatory Commission  
Document Control Room  
Washington, DC 20555

Gentlemen:

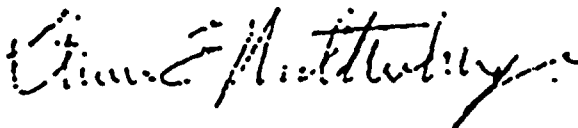
RESPONSE TO GENERIC LETTER 92-01, REVISION 1  
REACTOR VESSEL STRUCTURE INTEGRITY, 10CFR50.54(f)  
SALEM GENERATING STATION UNIT NOS. 1 AND 2  
FACILITY OPERATING LICENSE NOS. DPR-70 AND DPR-75  
DOCKET NOS. 50-272 AND 50-311

Generic Letter 92-01, Revision 1 requests PSE&G to submit information to enable the NRC to assess compliance with 10CFR50.60 and 10CFR50.61, and the fracture toughness and material surveillance requirements for the Reactor Coolant Pressure Boundary set forth in 10CFR50, Appendix G and H.

The Salem Generating Station Unit Nos. 1 and 2 responses to Generic Letter 92-01, Revision 1 are provided in Attachment 1 and 2, respectively.

Please do not hesitate to contact us if there are any questions regarding this submittal.

Sincerely,



Attachments  
Affidavit

9207070030 920630  
PDR ADOCK 05000272  
P PDR



TABLE 12  
SALEM UNIT 2

MATERIALS CERTIFICATION INFORMATION

The following information was taken from "Salem Units 1 and 2 Reactor Vessel Weld Data" CE Inc., Design Input File T01.5-020, November 1985, and WCAP-8824, "PSEG Co. Salem Unit No. 2 Reactor Vessel Radiation Surveillance Program," January 1979.

Component: Weld Surveillance Material Heat No.: 13253  
Weldment made from intermediate shell plates B4712-1 and B4712-2 Flux: Linde 1092, Lot No. 3833 and Linde 1092, Lot No. 3774

Chemical Analysis

C	Mn	P	S	Si	Ni	Mo	Cu	Cr
.10	1.27	.017	.011	.29	.71	.45	.23	.015

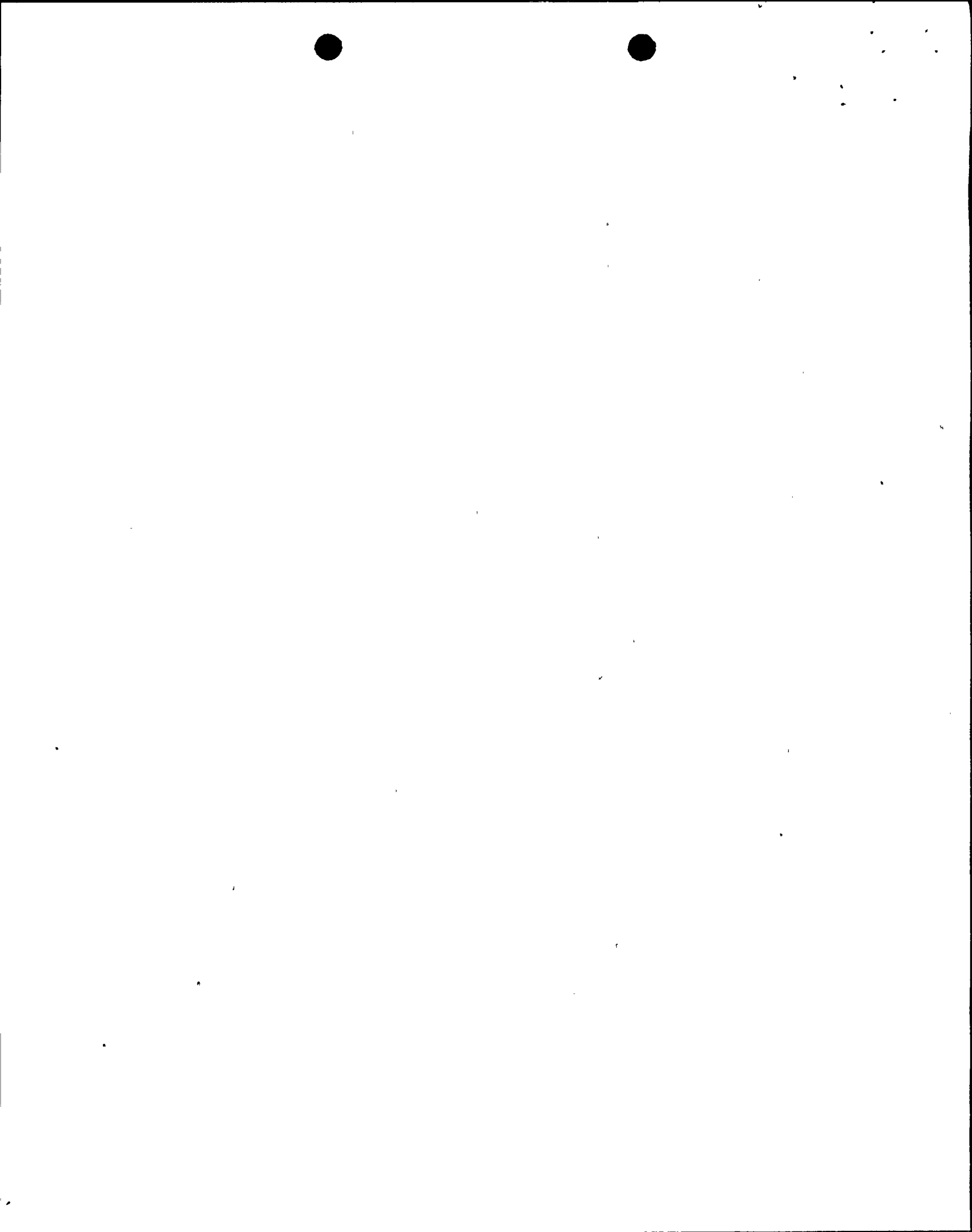
Charpy Impact and Fracture Tests

Temp., °F	Energy, ft-lbs	% Shear	Mils Lateral Exp.
-100	4.5	2	1
-100	11	6	2.5
-100	6	15	1
-50	11	18	7.5
-50	4	20	11
-50	35.5	29	27
0	48.5	52	42
0	72	52	36
0	63.5	62	50
40	71	59	56
40	50.5	55	44
40	80.5	79	62
100	86	100	81
100	96.5	90	74.5
100	106.5	100	80
210	112	98	82
210	111.5	100	86
210	111.5	100	85.5

Temp., °F	Drop Weights	NDT	RTNDT	USE
	Performed by CE	-40°F	-20°F	111 ft-lbs

Heat Treatment

.1150°F for 40 hours



ATTACHMENT 4  
(Reference 4)

DIABLO CANYON POWER PLANT UNIT 1

Intermediate Shell Longitudinal Welds 2-442 A, B, and C  
Lower Shell Longitudinal Welds 3-442 A, B, and C

