

cc w/o enc.: JFBonner JDMorthington HPBraun PFMautz FWMielke CHSedam
BWSackelford JFTaylor GABlanc WBallen TABettersworth RVPettinger
RPCayot MBChandler JACrockwell NHDaines EHHall WRJohnson DVKelly
PMatthew AJMcCollum HRPerry GVRichards JOSchuyler WJLindblad ARTodd
RWWhite JGPoster WLMurray GPClifton SICulwell ACSmith JCCarroll
HReynolds (JWDorricott) (NUS) April 7, 1975

Director
Division of Reactor Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Re: Docket No. 50-275-OL
Docket No. 50-323-OL
Diablo Canyon Site
Units 1 and 2

Dear Sir:

Enclosed in support of our application for an operating license for Units 1 and 2 at the Diablo Canyon Site are 15 sets of supplementary pages to the following report:

"Westinghouse Protection Systems Noise Tests," by D. N. Katz, et al., December, 1974.

This report was submitted in support of our application on January 16, 1975 and is referenced in Section 7.2 of the Final Safety Analysis Report, as submitted in Amendment 24 to our application.

Kindly acknowledge receipt of the above material on the enclosed copy of this letter and return it to me in the enclosed addressed envelope.

Very truly yours,

JBHoch/PAC:TC

Enclosures

Philip A. Crane, Jr.

CC w/enc.: All parties, Board members, James R. Tourtellotte, Angelo Giambusso, Nathaniel H. Goodrich, Alan S. Rosenthal, Secretary-Docketing and Service Section, James R. Yore

bcc: CPUC Applications 49051 and 50028
fbcc w/o enc.: See above

8705060339 870430
PDR ADOCK 05000498
A PDR

February 20, 1975

10. All Recipients of "Westinghouse Protection
System Noise Tests" Report

The attachments consist of information applicable to the subject report as described below:

Attachment A - Process Control System: Supplement 1

Attachment A consists of 3 data sheets, Test Procedures 1A1-1, 1A2-1, 1A3-1 identified as Section C - Supplement 1 (3 pages). This information is applicable to Section C of the report covering Process Control System tests. The data covers the tests which connected 450 VAC to isolator output wires. The test and pre-test conditions are identical to those of the 118 VAC and 250 VDC tests.

The data sheets should be inserted in the report following Appendix II of Section C. An appropriate notation on the title page and cover of the report should be made to indicate its update to "Supplement 1".

Attachment B - Process Control System: Photographs

Attachment B consists of 4 pages of photographs representative of the Process Control System test arrangements. The photos are referenced in the text of Section C but were omitted in the initial submittal.

Appendix I, page 1 of Section C with the notation "Photos Later" should be removed from the report and the 4 pages of photos inserted.

TEST PROCEDURE 1A1-1

TEST DESCRIPTION: 460 VAC Connected to isolator output wires (Line to Line)

- 1.1 All wiring is to be in the same position as described in steps 1A1.1 through 1A1.3.
- 1.2 Connect recorder to RTTBE (8,10) [460 V_{max}] - Label Test - 1A1-1.
- 1.3 Connect 460 VAC to RTTBE (8,10).
- 1.4 Repeat step 1A1.6.
Labels become 1PT.1 - 1A1-1 etc.
- 1.5 Repeat step 1A1.7.
Labels become 1PT.1-1A1-1R etc.

Verify at CB & P33
OK

Ramp @ 1 V/M
Start @ 4

416 - 3.244 - 3.245

426 - 3.247 - 3.247

436 - 3.246 - 3.247

DATE

BY

TEST PROCEDURE 1A2-1

TEST DESCRIPTION: 460 VAC connected to isolator output wires (line (+) to ground (shield))

- 1.1 All wiring is to be in the same position as described in steps 1A1.1 through 1A1.3.
- 1.2 Connect recorder to R1-TBE (B,11) [460 VAC] - Label Test-1A2-1.
- 1.3 Connect 460 VAC to R1-TBE (B,11).
CAUTION: Ensure that grounded side of 460 VAC is connected to terminal 11.
- 1.4 Repeat steps 1A1.6.
Labels become 1PT.1-1A2-1.
- 1.5 Repeat step 1A1.7.
Labels become 1PT.1-1A2-1R.

Verify at CB & R33 OK

436 - 3.246 - 3.246

426 - 3.247 - 3.247

416 - 3.245 - 3.245

DATE 10-24-74

BY

Willard

TEST PROCEDURE 1A3-1

TEST DESCRIPTION: 460 VAC connected to isolator output wires (line (-) to ground (shield))

- 1.1 All wiring is to be in the same position as described in steps 1A2-1.1
- 1.2 Connect recorder to R15TEE (10,11) [460 VAC] - Label Test-1A3-1.
- 1.3 Connect 460 VAC to R15TEE (10,11).
CAUTION: Ensure that grounded side of 460 VAC is connected to terminal 11.
- 1.4 Repeat steps 1A1.6.
Labels become 1PT.1-1A3-1.
- 1.5 Repeat steps 1A1.7.
Labels become 1PT.1-1A3-1R.

Verify at CB & R33 OR

416 - 3.245 - 3.245

426 - 3.248 - 3.248

436 - 3.246 - 3.246

DATE 12-27-71

BY [Signature]

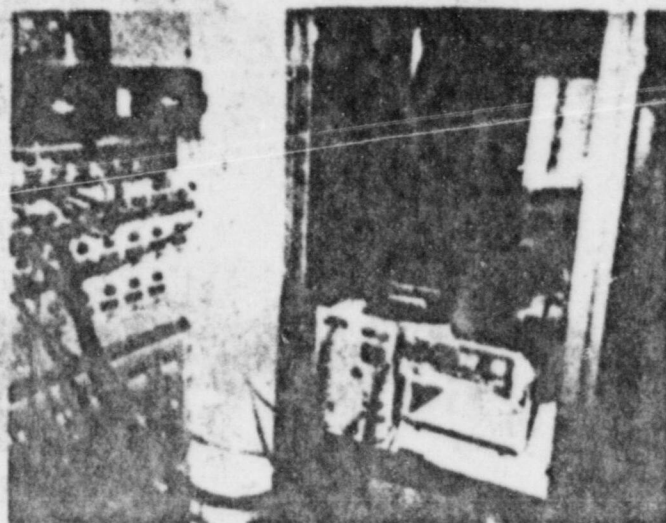


PHOTO -1
TEST SET-UP RACK -12
FRONT VIEW

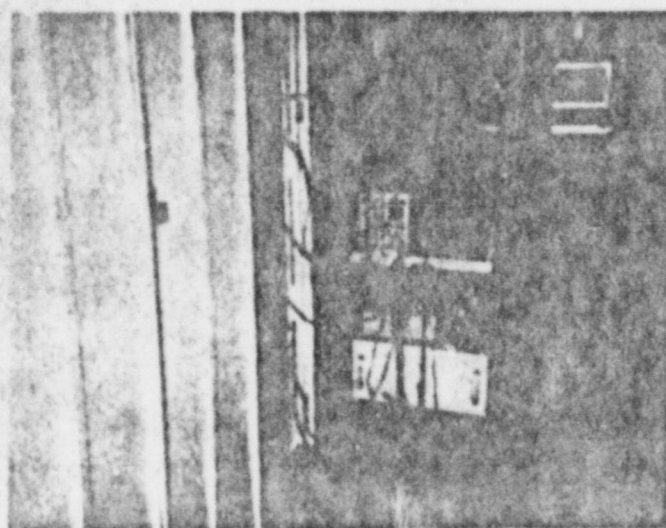


PHOTO -2
TEST SET-UP RACK -12
FRONT VIEW

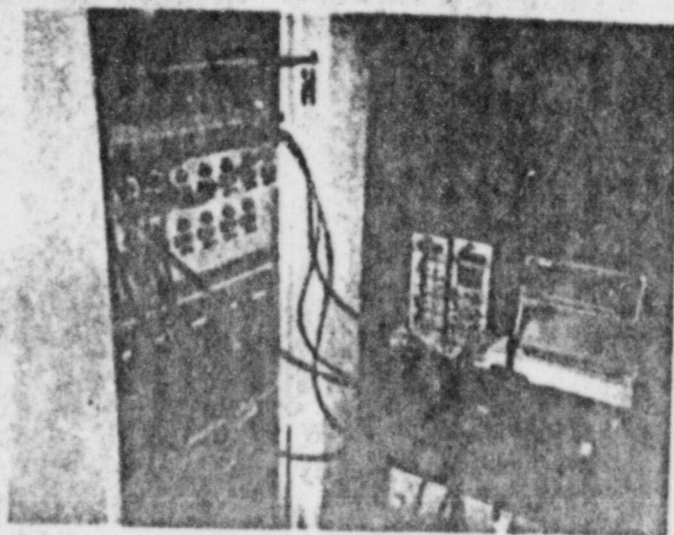


PHOTO #3
TEST SET-UP RACK #12
FRONT VIEW

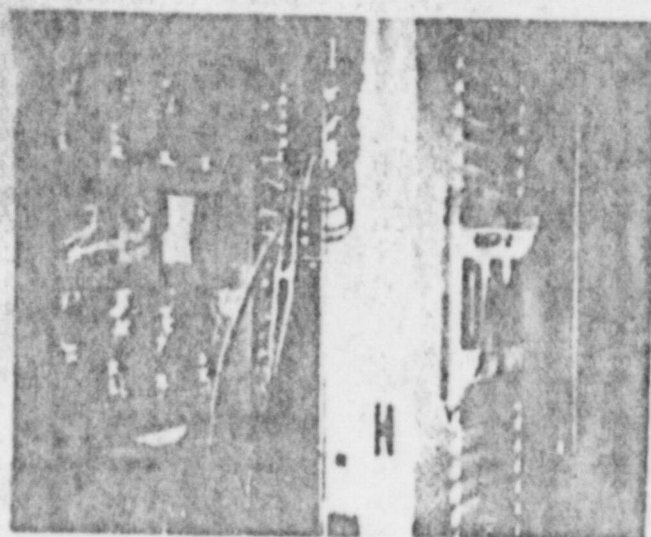


PHOTO #4
TEST SET-UP RACK #12
REAR VIEW
BISTABLE MONITORING CONNECTIONS

00247-1125



PHOTO #5
TEST SET-UP RACK #12
REAR VIEW
ISOLATOR MONITORING CONNECTIONS

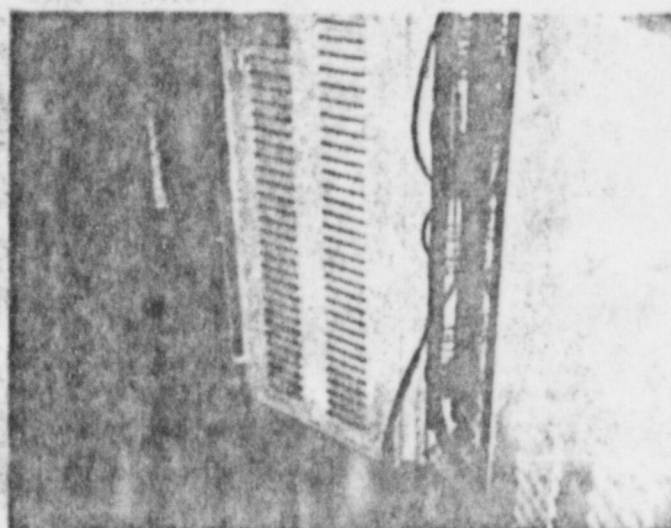


PHOTO #6
TEST SET-UP RACK #12
REAR VIEW
TEST CONNECTIONS

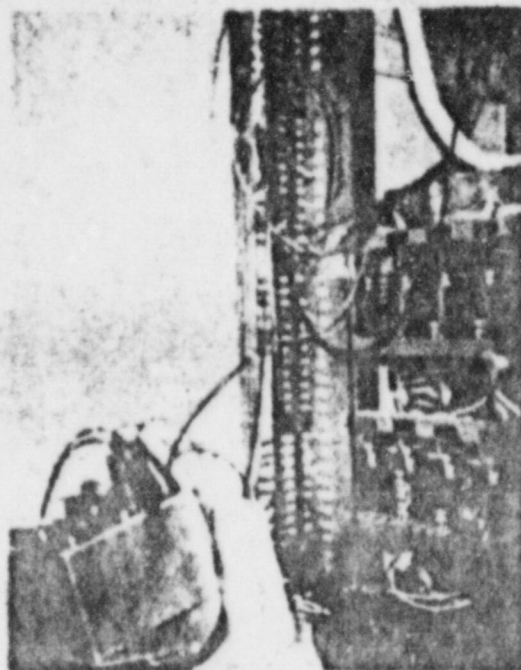


PHOTO #7
TEST SET-UP RACK #2
REAR VIEW
TEST VOLTAGE SWITCH CONNECTIONS

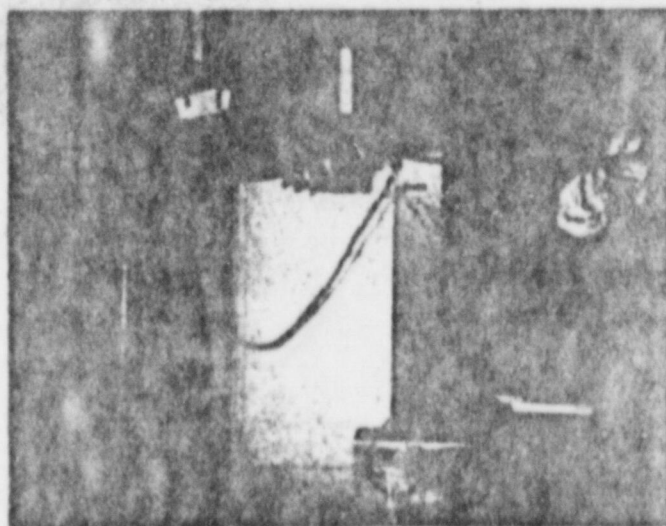


PHOTO #8
TEST SET-UP RACK #12
MIL-N-19900B TEST