

U.S. NUCLEAR REGULATORY COMMISSION
LICENSEE EVENT REPORTAPPROVED BY OMB
3150-0011

CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 C A D C P 1 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 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CONT

01 I 6 0 5 0 0 0 2 7 5 7 1 2 0 6 8 3 8 0 5 2 2 8 4 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 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 While in Mode 5, several wiring terminations were identified which were incon-

03 sistent with circuitry schematics affecting control power transfer relays for the

04 RHR pump control circuits. This event has in no way affected the public health

05 and safety, and is reportable per Part 2.H of the Diablo Canyon Unit 1

06 Operating License.

07

08

09 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
C F 11 D 12 Z 13 Z Z Z Z Z Z 14 Z 15 Z 16
17 LER/RO REPORT NUMBER 18 8 3 19 0 3 4 20 0 1 21 X 22 1 23 1 24 1 25 1 26 1 27 1 28 1 29 1 30 1 31 1 32 1 33 1 34 1 35 1 36 1 37 1 38 1 39 1 40 1 41 1 42 1 43 1 44 1 45 1 46 1 47 1 48 1 49 1 50 1 51 1 52 1 53 1 54 1 55 1 56 1 57 1 58 1 59 1 60 1 61 1 62 1 63 1 64 1 65 1 66 1 67 1 68 1 69 1 70 1 71 1 72 1 73 1 74 1 75 1 76 1 77 1 78 1 79 1 80 1 81 1 82 1 83 1 84 1 85 1 86 1 87 1 88 1 89 1 90 1 91 1 92 1 93 1 94 1 95 1 96 1 97 1 98 1 99 1 100

17 LER/RO REPORT NUMBER 18 8 3 19 0 3 4 20 0 1 21 X 22 1 23 1 24 1 25 1 26 1 27 1 28 1 29 1 30 1 31 1 32 1 33 1 34 1 35 1 36 1 37 1 38 1 39 1 40 1 41 1 42 1 43 1 44 1 45 1 46 1 47 1 48 1 49 1 50 1 51 1 52 1 53 1 54 1 55 1 56 1 57 1 58 1 59 1 60 1 61 1 62 1 63 1 64 1 65 1 66 1 67 1 68 1 69 1 70 1 71 1 72 1 73 1 74 1 75 1 76 1 77 1 78 1 79 1 80 1 81 1 82 1 83 1 84 1 85 1 86 1 87 1 88 1 89 1 90 1 91 1 92 1 93 1 94 1 95 1 96 1 97 1 98 1 99 1 100

17 LER/RO REPORT NUMBER 18 8 3 19 0 3 4 20 0 1 21 X 22 1 23 1 24 1 25 1 26 1 27 1 28 1 29 1 30 1 31 1 32 1 33 1 34 1 35 1 36 1 37 1 38 1 39 1 40 1 41 1 42 1 43 1 44 1 45 1 46 1 47 1 48 1 49 1 50 1 51 1 52 1 53 1 54 1 55 1 56 1 57 1 58 1 59 1 60 1 61 1 62 1 63 1 64 1 65 1 66 1 67 1 68 1 69 1 70 1 71 1 72 1 73 1 74 1 75 1 76 1 77 1 78 1 79 1 80 1 81 1 82 1 83 1 84 1 85 1 86 1 87 1 88 1 89 1 90 1 91 1 92 1 93 1 94 1 95 1 96 1 97 1 98 1 99 1 100

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The causes of this event were that modifications to the RHR control power

11 transfer relay were not fully implemented and the post installation test

12 procedure was not adequate to check that the modifications were installed

13 correctly. The circuit inconsistency has been corrected. The description of

14 causes and corrective actions is attached.

15 FACILITY STATUS 16 0 0 0 17 0 0 0 18 0 0 0 19 0 0 0 20 0 0 0 21 0 0 0 22 0 0 0 23 0 0 0 24 0 0 0 25 0 0 0 26 0 0 0 27 0 0 0 28 0 0 0 29 0 0 0 30 0 0 0 31 0 0 0 32 0 0 0 33 0 0 0 34 0 0 0 35 0 0 0 36 0 0 0 37 0 0 0 38 0 0 0 39 0 0 0 40 0 0 0 41 0 0 0 42 0 0 0 43 0 0 0 44 0 0 0 45 0 0 0 46 0 0 0 47 0 0 0 48 0 0 0 49 0 0 0 50 0 0 0 51 0 0 0 52 0 0 0 53 0 0 0 54 0 0 0 55 0 0 0 56 0 0 0 57 0 0 0 58 0 0 0 59 0 0 0 60 0 0 0 61 0 0 0 62 0 0 0 63 0 0 0 64 0 0 0 65 0 0 0 66 0 0 0 67 0 0 0 68 0 0 0 69 0 0 0 70 0 0 0 71 0 0 0 72 0 0 0 73 0 0 0 74 0 0 0 75 0 0 0 76 0 0 0 77 0 0 0 78 0 0 0 79 0 0 0 80 0 0 0 81 0 0 0 82 0 0 0 83 0 0 0 84 0 0 0 85 0 0 0 86 0 0 0 87 0 0 0 88 0 0 0 89 0 0 0 90 0 0 0 91 0 0 0 92 0 0 0 93 0 0 0 94 0 0 0 95 0 0 0 96 0 0 0 97 0 0 0 98 0 0 0 99 0 0 0 100 0 0 0

15 FACILITY STATUS 16 0 0 0 17 0 0 0 18 0 0 0 19 0 0 0 20 0 0 0 21 0 0 0 22 0 0 0 23 0 0 0 24 0 0 0 25 0 0 0 26 0 0 0 27 0 0 0 28 0 0 0 29 0 0 0 30 0 0 0 31 0 0 0 32 0 0 0 33 0 0 0 34 0 0 0 35 0 0 0 36 0 0 0 37 0 0 0 38 0 0 0 39 0 0 0 40 0 0 0 41 0 0 0 42 0 0 0 43 0 0 0 44 0 0 0 45 0 0 0 46 0 0 0 47 0 0 0 48 0 0 0 49 0 0 0 50 0 0 0 51 0 0 0 52 0 0 0 53 0 0 0 54 0 0 0 55 0 0 0 56 0 0 0 57 0 0 0 58 0 0 0 59 0 0 0 60 0 0 0 61 0 0 0 62 0 0 0 63 0 0 0 64 0 0 0 65 0 0 0 66 0 0 0 67 0 0 0 68 0 0 0 69 0 0 0 70 0 0 0 71 0 0 0 72 0 0 0 73 0 0 0 74 0 0 0 75 0 0 0 76 0 0 0 77 0 0 0 78 0 0 0 79 0 0 0 80 0 0 0 81 0 0 0 82 0 0 0 83 0 0 0 84 0 0 0 85 0 0 0 86 0 0 0 87 0 0 0 88 0 0 0 89 0 0 0 90 0 0 0 91 0 0 0 92 0 0 0 93 0 0 0 94 0 0 0 95 0 0 0 96 0 0 0 97 0 0 0 98 0 0 0 99 0 0 0 100 0 0 0

15 FACILITY STATUS 16 0 0 0 17 0 0 0 18 0 0 0 19 0 0 0 20 0 0 0 21 0 0 0 22 0 0 0 23 0 0 0 24 0 0 0 25 0 0 0 26 0 0 0 27 0 0 0 28 0 0 0 29 0 0 0 30 0 0 0 31 0 0 0 32 0 0 0 33 0 0 0 34 0 0 0 35 0 0 0 36 0 0 0 37 0 0 0 38 0 0 0 39 0 0 0 40 0 0 0 41 0 0 0 42 0 0 0 43 0 0 0 44 0 0 0 45 0 0 0 46 0 0 0 47 0 0 0 48 0 0 0 49 0 0 0 50 0 0 0 51 0 0 0 52 0 0 0 53 0 0 0 54 0 0 0 55 0 0 0 56 0 0 0 57 0 0 0 58 0 0 0 59 0 0 0 60 0 0 0 61 0 0 0 62 0 0 0 63 0 0 0 64 0 0 0 65 0 0 0 66 0 0 0 67 0 0 0 68 0 0 0 69 0 0 0 70 0 0 0 71 0 0 0 72 0 0 0 73 0 0 0 74 0 0 0 75 0 0 0 76 0 0 0 77 0 0 0 78 0 0 0 79 0 0 0 80 0 0 0 81 0 0 0 82 0 0 0 83 0 0 0 84 0 0 0 85 0 0 0 86 0 0 0 87 0 0 0 88 0 0 0 89 0 0 0 90 0 0 0 91 0 0 0 92 0 0 0 93 0 0 0 94 0 0 0 95 0 0 0 96 0 0 0 97 0 0 0 98 0 0 0 99 0 0 0 100 0 0 0

NAME OF PREPARER R. M. Luckett

PHONE 805-541-7586

PACIFIC GAS AND ELECTRIC COMPANY
DIABLO CANYON UNIT 1
DOCKET NO. 50-275
LER 83-034/OIT-1

SUPPLEMENTAL INFORMATION

On Tuesday, December 6, 1983, some wire terminations were discovered which were inconsistent with circuitry schematics affecting control power transfer relays for the RHR pump control circuits. This wiring is part of a modification to isolate RHR pump control circuitry from the control room.

This modification was in response to an NRC inquiry regarding the Diablo Canyon Fire Protection Review, and is referenced in answer to question No. 51 of the November 13, 1978 letter to John F. Stolz of the NRC from Philip A. Crane, Jr. of PGandE. Further reference is included in Supplement 8, page 9.10, to the Diablo Canyon Safety Evaluation Report. Subsequently, the submittal addressing the 10 CFR 50, Appendix R requirements, "Report on 10 CFR 50 Appendix R Review", page 20, deemed this circuitry not required for safe shutdown because these pumps can be manually operated to bring the plant to cold shutdown condition.

The investigation of this event identified that the guidelines for controlling the assignment of this work to the contractor, and for documenting its completion, did not provide sufficient assurance that modifications were completed as specified. Subsequent to completion of this work in December 1978, these procedures had been revised to improve the control of the assignment and completion of subcontractor work. The revised procedures were in use well before the discovery of the subject wiring inconsistencies.

An investigation of all similar control circuit isolation modifications was conducted as part of the resolution of this event. During this further investigation, it was discovered that modifications to the charging pumps also included wire termination inconsistencies, which were then corrected and documented. No other termination problems were discovered.

The other contributing cause was that the modifications required a unique test procedure to adequately verify equipment isolation. To preclude recurrence, the General Construction Site Electrical Department Test Instruction ETI 2-1, which controls preparation of electrical performance test procedures, was modified to require that the design intent be listed on the procedure. This is to alert all personnel involved of any unique design requirements.

PACIFIC GAS AND ELECTRIC COMPANY

PG&E

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JAMES D. SHIFFER
MANAGER

DEPARTMENT OF NUCLEAR PLANT OPERATIONS
NUCLEAR POWER GENERATION

May 22, 1984

PGandE Letter No.: DCL-84-191

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

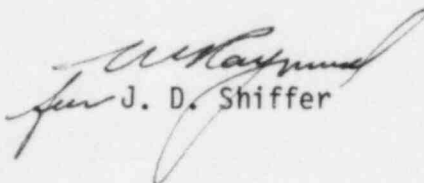
Re: Docket No. 50-275, OL-DPR-76
Diablo Canyon Unit 1
Licensee Event Report 83-034/OIT-1
Improper Wiring - RHR Pump Control Circuit

Gentlemen:

Pursuant to Section 2.H of the Diablo Canyon Unit 1 Operating License, Revision 1 to the subject Licensee Event Report is submitted concerning improper wiring of the RHR pump control circuits.

This event has in no way affected the public's health and safety.

Sincerely,


J. D. Shiffer

Enclosure

cc: J. B. Martin
Service List

IE-22
1/1