

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8002080610 DOC. DATE: 80/02/01 NOTARIZED: NO DOCKET #
 PACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 AUTH. NAME: AUTHOR AFFILIATION
 CURTIS, N.W. Pennsylvania Power & Light Co.
 RECIP. NAME: RECIPIENT AFFILIATION

SUBJECT: Interim deficiency report re electrical connectors in power generation control complex & advanced control room. Final report will be forwarded in Apr 1980.

DISTRIBUTION CODE: B019S COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 2
 TITLE: Construction Deficiency Report (10CFR50.55E)

NOTES: SEND I & E 3 CYS FBHR + ALL AMOTS

| ACTION: | RECIPIENT | COPIES | | RECIPIENT | COPIES | |
|-----------|-----------------|--------|------|------------------|--------------|-----|
| | ID CODE/NAME | LTR | ENCL | | ID CODE/NAME | LTR |
| | 14 PM MENER | | | 15 BC LWR#3 | 1 | |
| | 20 LA LWR#3 | 1 | | 21 AD LWR | 1 | |
| INTERNAL: | 01 REG FILE | 1 | | 02 NRC PDR | 1 | |
| | 05 I&E | 2 | | 07 EDO & STAFF | 1 | |
| | 08 MPA | 1 | | 09 DEPY DIR DPM | 1 | |
| | 10 QAB | 1 | | 11 STANDRDS DEV | 1 | |
| | 12 JORDAN, E/IE | 1 | | 13 FIELD COOR/IE | 1 | |
| | 16 AD FOR ENGR | 1 | | 17 AD PLANT SYS | 1 | |
| | 17 AD REAC SFTY | 1 | | 22 DIR DPM | 1 | |
| | 23 OELD | 1 | | AD/SITE TECH | 1 | |
| | AEO | 1 | | DIRECTOR DSE | 1 | |
| | GEO SCIENCES BR | 1 | | I&C SYS BR | 1 | |
| | MATC ENG BR | 1 | | MECH ENG BR | 1 | |
| | POWER SYS BR | 1 | | S HANAUER | 1 | |
| | STRUCT ENG BR | 1 | | | | |
| EXTERNAL: | 03 LPDR | 1 | | 04 NSIC | 1 | |
| | 24 ACRS | 16 | 16 | | | |

FEB 12 1980

MA1

2. 5 6 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

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

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

NORMAN W. CURTIS
Vice President-Engineering & Construction
821-5381

February 1, 1980

Mr. Boyce H. Grier
Director, Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

SUSQUEHANNA STEAM ELECTRIC STATION
INTERIM REPORT OF A DEFICIENCY ON
PGCC/ACR ELECTRICAL CONNECTORS
ERS 100450/100508 FILE 840-4
PLA-447

Dear Mr. Grier:

This letter serves to confirm information provided by telephone to NRC Inspector Mr. R. Gallo by A. R. Sabol of PP&L on December 13, 1979. In that conversation, Mr. Gallo was advised that the subject condition was under evaluation for reportability under the guidelines of 10CFR50.55(e).

The subject defects were originally documented by NCRs 3030 and 3403 and subsequently reported to PP&L by Bechtel MCAR 1-39 issued on November 7, 1979. The MCAR outlined deficiencies discovered in the Power Generation Control Complex (PGCC)/Advanced Control Room (ACR) connectors used in Susquehanna Unit One inner ring, back row and relay panels. These deficiencies consisted of failed pull tests, insulation damage, broken conductor strands (ten percent or more) and insufficient crimping of pins.

PP&L is awaiting General Electric's and Bechtel's final evaluations of the impact of the condition on safe operation of the plant. PP&L will review these evaluations, ascertain their implications, and submit our conclusions in subsequent correspondence with the Commission.

PP&L has determined that the above condition meets the criteria for classification as a reportable deficiency under the provisions of 10CFR50.55(e) in that the connector deficiencies could lead to shorting, introduction of external voltages or loss of control in safety related circuits. These conditions introduced during the manufacturing process, were they to have remained uncorrected, could adversely affect the safety of operation of the nuclear power plant.

Since the details of this report provide information relevant to the reporting requirements of 10CFR21, this correspondence is considered to also discharge any formal responsibility PP&L may have for reporting in compliance thereto.

5 8002080 610
Bola 5/10




7

February 1, 1980

PP&L will continue to monitor this situation and the corrective action we feel necessary to be taken. We anticipate a final definitive report in April, 1980.

Very truly yours,



N. W. Curtis
Vice President-Engineering & Construction

ARS:mcb

cc: Mr. Victor Stello (15 copies)
Director-Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. G. McDonald, Director (1) ✓
Office of Management Information & Program Control
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Robert M. Gallo
U. S. Nuclear Regulatory Commission
P. O. Box 52
Shickshinny, Pennsylvania 18655