



Commonwealth Edison
Quad-Cities Nuclear Power Station
Post Office Box 216
Cordova, Illinois 61242
Telephone 309/654-2241

IE FILE COPY

NJK-76-368

October 4, 1976



J. Keppler, Regional Director
Office of Inspection and Enforcement
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

References 1) Quad-Cities Nuclear Power Station
Docket No. 50-254, DPR-29, Unit 1
Appendix A, Sections 3.7.A.2 and 6.6.B.1.c
2) Reportable Occurrence Report RO 50-254/76-25

Enclosed please find a Supplemental Report for RO 50-254/76-25 for Quad-Cities Nuclear Power Station. This occurrence was previously reported by our letter NJK-76-300 dated August 12, 1976.

Very truly yours,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis
Station Superintendent

NJK/LFG/lk

cc: G.A. Abrell

10971

8306170112 761004
PDR ADOCK 05000254
S PDR

OCT 18 1976

UPDATE REPORT
PREVIOUS REPORT DATE 8

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|----|------|----|----------|----|-------------|----|---------------|----|---------------|----|----|----|---|----|------------|----|----|----|-------------|----|----|----|---------------------------|----|--|--|-------------------|--|
| LICENSEE NAME 01 I L Q A D I | | | | | | | | | | | | | | LICENSE NUMBER 0 0 - 0 0 0 0 0 0 - 0 0 | | | | | | | | | | LICENSE TYPE 4 1 1 1 1 | | | | EVENT TYPE 0 1 | |
| 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 | | | | |
| 01 | | CONT | | CATEGORY | | REPORT TYPE | | REPORT SOURCE | | DOCKET NUMBER | | | | | | EVENT DATE | | | | REPORT DATE | | | | | | | | | |
| 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 | | | | |
| 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | | | | | | |

EVENT DESCRIPTION

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|
| 02 Electrical nitrogen vaporizers have been installed on the Nitrogen Make-up system, | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 and are currently in operation. This should prevent future recurrences of this type. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 These units have "cold" valves downstream of the vaporizers, which are designed to | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 isolate on a given low temperature, thereby preventing non-vaporized nitrogen from | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 entering the nitrogen makeup system. A modification has been initiated to install | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|----|------------|----|----------------|----|----|----|----|----|--------------------------|----|------------------------|----|----|----|-----------|----|----|----|----|----|----|----|----|----|
| SYSTEM CODE | | CAUSE CODE | | COMPONENT CODE | | | | | | PRIME COMPONENT SUPPLIER | | COMPONENT MANUFACTURER | | | | VIOLATION | | | | | | | | | |
| 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 |
| 07 | S | E | E | P | I | P | E | X | X | N | G | 2 | 5 | 7 | N | | | | | | | | | | |
| 43 | 44 | 45 | 46 | 47 | 48 | | | | | | | | | | | | | | | | | | | | |

CAUSE DESCRIPTION

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|----|--------------------|----|--------------------|----|----|--------------------------------------|----|----|---------------------|----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| FACILITY STATUS | | % POWER | | OTHER STATUS | | | | | | METHOD OF DISCOVERY | | DISCOVERY DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| 11 | E | 0 | 8 | 8 | NA | B | Preparation for containment de-inert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| FORM OF ACTIVITY RELEASED | | CONTENT OF RELEASE | | AMOUNT OF ACTIVITY | | | | | | LOCATION OF RELEASE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| 12 | Z | Z | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |

PERSONNEL EXPOSURES

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|----|------|----|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| NUMBER | | TYPE | | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| 13 | N | A | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |

PERSONNEL INJURIES

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|----|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| NUMBER | | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| 14 | N | A | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |

OFFSITE CONSEQUENCES

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|
| 15 NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | |

LOSS OR DAMAGE TO FACILITY

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|----|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| TYPE | | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| 16 | Z | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |

PUBLICITY

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|
| 17 NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | |

ADDITIONAL FACTORS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|
| 18 (EVENT DESCRIPTION CONT) this same type of valve downstream of the steam vaporizer to | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 the nitrogen purge system. (RO 50-254/76-25) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | |

NAME: Lawrence F. Gerner

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