50-278

Mr. Boyce H. Grier, Director
Office of Inspection & Enforcement, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

No. 3-78-23/3L-0

Dear Mr. Grier:

This L.E.R. refers to failure of the 'D' Reactor Building Area Exhaust Radiation Monitor. The governing Technical Specification is 3.2 (Table 3.2.D.)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

LICENSEE CODE: PA PS3 (2) LICENSE NUMBER: 00-00-00-00-00 (3) LICENSE TYPE: 41 (4) CAT: 1 (5)

CON'T REPORT SOURCE: L (6) DOCKET NUMBER: 05000-278 (7) EVENT DATE: 112778 (8) REPORT DATE: 122078 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

While at power, the 'D' Reactor Building Area Exhaust Radiation Monitor was observed to be indicating downscale and was determined to be inoperable. The monitor was placed in the tripped condition for about three hours until a temporary spare monitor was installed. The failed monitor was repaired and returned to service in about 29 hours. Safety implications are minimal since redundant instrumentation was operable.

SYSTEM CODE: BB (11) CAUSE CODE: E (12) CAUSE SUBCODE: A (13) COMPONENT CODE: INSTRU (14) COMP. SUBCODE: E (15) VALVE SUBCODE: Z (16)

(17) LER/RO REPORT NUMBER: EVENT YEAR 78 — SEQUENTIAL REPORT NO. 023 — OCCURRENCE CODE 03 — REPORT TYPE L — REVISION NO. 0

ACTION TAKEN: A (18) FUTURE ACTION: Z (19) EFFECT ON PLANT: Z (20) SHUTDOWN METHOD: Z (21) HOURS: 0000 (22) ATTACHMENT SUBMITTED: N (23) NPRD-4 FORM SUB.: Y (24) PRIME COMP. SUPPLIER: A (25) COMPONENT MANUFACTURER: G080 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The cause of the failure was a defective zener diode in the amplifier of the GE sensor-converter unit (Model no. 194X927011). The failed diode and the GM tube were replaced in kind and the detector was calibrated and returned to service.

FACILITY STATUS: Z (28) % POWER: 099 (29) OTHER STATUS (30): N/A METHOD OF DISCOVERY: A (31) DISCOVERY DESCRIPTION (32): Operator Observation

ACTIVITY RELEASED: Z (33) CONTENT OF RELEASE: Z (34) AMOUNT OF ACTIVITY (35): N/A LOCATION OF RELEASE (36): N/A

PERSONNEL EXPOSURES NUMBER: 000 (37) TYPE: Z (38) DESCRIPTION (39): N/A

PERSONNEL INJURIES NUMBER: 000 (40) DESCRIPTION (41): N/A

LOSS OF OR DAMAGE TO FACILITY TYPE: Z (42) DESCRIPTION (43): N/A

PUBLICITY ISSUED: N (44) DESCRIPTION (45): N/A

NRC USE ONLY

NAME OF PREPARER: J. Cooney PHONE: (215) 841-5020

A007 5/11

7812290198

50-278 5