

37-62006-05

~~SECRET~~ 030-06046

GENERAL  ELECTRIC ~~SECRET~~ 37-142

FEDERAL AND ELECTRONIC SYSTEMS DIVISION  
GENERAL ELECTRIC COMPANY • VALLEY FORGE SPACE CENTER • P.O. BOX 8555 • PHILADELPHIA, PENNSYLVANIA 19101 • (215) 354-1000

Aug. 4, 1987

Mr. Jordan S. Davis  
U. S. Nuclear Regulatory Commission  
Region 1  
631 Park Avenue  
King of Prussia, PA 19406

Dear Mr. Davis:

RE: License #37-02006-05

On 7/24/87, I informed you of our discovery of a leaking sealed Po-210 source. A review of our calculations on 7/31/87 showed that certain arithmetical errors had been made. The accurate reportable leakage has now been determined to be 0.0164 microcuries rather than the previously reported value.

In our investigation into the cause of the leakage, we were told by the manufacturer, 3M Co., that elevated temperatures to which the source was inadvertently exposed the week end prior to our wipe tests were likely to have degraded the epoxy encapsulation. This being the case, we wipe tested a 5 mCi Po-210 source that had also seen the elevated temperature. This source was also found to be leaking at the rate of 0.042 microcuries.

Both sources have been double-wrapped in polyethylene bags and are impounded in our radioactive materials storage vault pending disposition instructions from the 3M Co. As noted in my earlier letter, all areas and personnel involved have been tested and, where applicable, decontaminated to background.

If you have any questions, please feel free to call me.

Yours very truly,

*C. B. Chilton*

C. B. Chilton, PE, CSP  
Manager  
Industrial Safety & Hygiene

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REG 1 LIC 30  
37-02006-05 CF

24 JUL 8 - CIV 1031  
10 2 42

DESIGNATED ORIGINAL

Certified By

*E. M. M. M.*

RETURN ORIGINAL TO  
OFFICE 10

1X30

REGION I  
NMSS LICENSEE EVENT REPORT

License No. 37-02006-05

Docket No. 030-06046

MLER-RI-87- 142

I. ACTION CONTROL DATA

Licensee GENERAL ELECTRIC

Event Description leaking Po-210 source

Event Date 7-24-87 Report Date 8-4-87

II. REPORTING REQUIREMENT

☐ 10 CFR 20.402 - theft or loss ☐ 10 CFR 35.33 Therapeutic Misadministration

☐ 10 CFR 20.403(a)(b) overexposure/release ☐ 10 CFR 35.33 Diagnostic Misadministration

☐ 10 CFR 20.405 - 30 day report ☒ -License Condition

☐ Other \_\_\_\_\_

III. REGION I RESPONSE

☐ Immediate Site Inspection Inspector \_\_\_\_\_ Date \_\_\_\_\_

☐ Special Inspection Inspector \_\_\_\_\_ Date \_\_\_\_\_

☐ Telephone Inquiry Inspector \_\_\_\_\_ Date \_\_\_\_\_

Licensee Representative and Title \_\_\_\_\_

☐ PM ☐ Daily Report

☒ Information entered - Region I Log and Outstanding Items List

☒ Review at next routine inspection

IV. REPORT EVALUATION

☒ Description of Event

☒ Corrective Actions

☒ Levels of R/M Involved

☐ Calculation Adequate

☒ Cause of Event

☐ Letter to Licensee requesting additional information

Completed by: Betsy Ullrich Date 10/2/87

Reviewed by: J. D. Kenner Date 10/21/87

V. SPECIAL INSTRUCTIONS OR COMMENTS

\* Follow-up information on first source, second source also found leaking due to <sup>high</sup> temperature of core.