

September 29, 1989

United States
Nuclear Regulatory Commission
Washington, DC 20555

Docket No: 030-20954
License No. 20-21438-02E
Control No. 020867

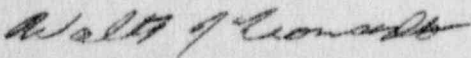
Gentlemen:

Electro Signal Lab., Inc. is submitting this report in accordance to requirements specified in 10 CFR Part 32, Section C of which licensee shall supply the following information within thirty (30) days of filing an application for license renewal.

- (i) A description or identification of the type of each product: ESL manufacturers a 600 Series Systems type ionization smoke detector generally used in commercial applications. The basic operation is identical for all models of which the Ion Chamber produces a very low steady state electrical current generated by Alpha particle collision (Helium atoms) with ambient air.
- (ii) For each type radionuclide in each type of product and the total quantity of radionuclide: ESL uses one (1) type source in each ionization smoke detector which is Americium 241 foil with an active range of 0.63 - 0.99 microcuries.
- (iii) The number of units of each type of product transferred during the reported period: ESL has manufactured and transferred one hundred forty six thousand (146,000) 600 Series Ionization Smoke Detectors from October 1984 to date.

If you have any questions or further requirements, please feel free to contact me.

Sincerely,


Walter J. Leonardo
RSO/Plant Manager
Electro Signal Lab., Inc.