



Switching and Telephone  
Products

U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137  
Attn: D. G. Wiedeman

August 4, 1982

Re: License No. 12-15845-01

Dear Mr. Wiedeman:

This letter is written in response to your letter to Ms. Cudzewicz dated July 8, 1982, and received by her on July 12, 1982, in which you notify us of our failure to leak-test our gas chromatograph detector containing Nickel-63.

The following corrective actions have been taken:

- 1) On July 23, 1982, personnel from Radiation Protection Consultants, LTD. performed the leak-test on our gas chromatograph detector. As of the date of this letter, GTE Automatic Electric has not received written results of this test. However, we have been informed that the source does not leak.
- 2) A letter has been sent to the supervisor of our chemical laboratory reminding him of the importance of this leak-test and the necessity for re-testing every six months. (See attachment).
- 3) Upon completion of Item No. 2, we feel that full compliance has been achieved.

If you have further comments or questions regarding this matter, you may write to me at the above address (Department 843 E-6), or phone me at 312-681-7100, extension 4162.

Very truly yours,

A handwritten signature in cursive script, appearing to read "J. Whitesel".

J. Whitesel  
Radiation Safety Officer

cas

attachment

cc: P. Mc Andrew  
R. Cudzewicz  
G. Westby

August 3, 1982

TO: Phil Mc Andrew

SUBJECT: Radioactive Source in Gas Chromatograph

The U. S. Nuclear Regulatory Commission controls the use, movement, and disposal of radioactive materials by requiring users of these substances to obtain an NRC license if they possess quantities that exceed a specified amount known as the "exempt quantity."

The electron capture detector in our gas chromatograph contains Nickel-63 in an amount which exceeds the exempt quantity for this element. Therefore, our current license was amended to include this material and certain conditions were added (see attached copy).

On June 29, 1982, the NRC inspected our facility for compliance with the conditions of our license and found that the chemical laboratory personnel had not leak-tested the source in the detector for nine months. (See attached NRC letter).

Condition 20-A of our license clearly states that this source MUST be tested every six months. Condition 21 also states that the records must be kept for two years. These requirements MUST be complied with for as long as we own this source. Failure to do so will subject AECo to substantial fines and penalties, and force you to discontinue the use of the instrument. I have already instructed the personnel involved in their responsibilities, but a reminder from you, as supervisor, would be appropriate.



Jim Whitesel  
Radiation Safety Officer

cas

attachment