

NMSS:JAM  
Control No. 460315

NOV 27 1985

T&R Electric Supply Co., Inc.  
ATTN: Jeffrey D. Jung  
Laboratory Director  
P. O. Box 197  
Calman, South Dakota 57017

Gentlemen:

This letter is in response to your application dated June 11, 1985, for renewal of byproduct material license 40-19101-01. Additional information is needed to support your application. We have checked the items on the enclosed form which references sections in the guide for which you should submit additional information. To assist you in providing this information, we have enclosed a copy of the guide, "Guide for Preparation of Applications for the Use of Sealed Sources in Gas Chromatography Devices and X-Ray Fluorescence Analyzers (1985)."

In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter. Please reply in duplicate and refer to Control No. 460315.

Sincerely,

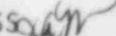
Original Signed By  
Jack E. Whitten

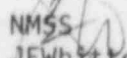
Jack E. Whitten  
Nuclear Materials Safety Section


Enclosures:

1. Gas Chromatograph Checklist
2. Guide for the Preparation of  
Applications for the Use of  
Sealed Sources in Gas Chromatography  
Devices and X-Ray Fluorescence  
Analyzers (1985)

bcc:  
R. L. Bangart

NMSS   
JAMarshall;df  
11/19/85

NMSS   
JEWhitten  
11/21/85

C:NMSS   
RJEverett  
11/22/85

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40-19101-01 PDR

## GAS CHROMATOGRAPHS

### PROVIDE INFORMATION ONLY FOR THE CHECKED ITEMS

1. \_\_\_\_\_ Your application is being returned for signature.
2. \_\_\_\_\_ Location(s) where gas chromatograph will be used (street name, number, building number, etc.)
3. \_\_\_\_\_ Name(s) of employee(s) who will use and/or supervise use of the gas chromatographs.
4. \_\_\_\_\_ Name(s) of the manufacturer(s) and model number of each detector cell and the name of the manufacturer of each gas chromatograph.
5.   X   Leak test procedures for the nickel-63 foil. If you use a commercial leak test kit, please provide the name of the supplier and model number of the kit.
6.   X   Leak test procedures for nickel-63 foil. If you conduct your own leak test, please provide descriptions of the following:
  - a. The materials and procedures used for collecting leak test samples.
  - b. The name of the manufacturer and model number of the measuring instrument including a sample calculation showing how leak test samples.
  - c. Your procedures for calibration of the measuring instrument including a sample calculation showing how leak test results are converted to microcuries.
7.   X   Procedures for cleaning detector cells and/or removal and exchange of detector cell foil. If you follow the manufacturer's recommended procedures, please provide a copy of the procedures. If detector cells are returned to your supplier for cleaning of detector cells and/or removal and exchange of foil, please specify this.
8. \_\_\_\_\_ Procedure for disposal of foil when use has been discontinued. If you return foil to the supplier, please specify this.
9. \_\_\_\_\_ Procedure for venting detector cells containing hydrogen-3 foil.