

NMSS:JEW
Mail Control No. 60425

DEC 27 1984

Northern Montana College
ATTN: Jerry Wayne Brown
Vice President for
Academic Affairs
Science Department
Havre, Montana 59501

Gentlemen:

This letter is in response to your application dated November 27, 1984, for a byproduct material license.

Certain items of your application are not in sufficient detail to enable us to complete our review. Please refer to the enclosed form on which we have checked one or more items requiring more information.

We are using this form letter to enable us to process your application in a timely manner. Your cooperation in promptly submitting the requested information will also help us to decrease the process time for your application.

In providing the requested information, please reply in duplicate and reference your assigned mail control number.

Sincerely,

Original Signed By
Jack E. Whitten

Jack E. Whitten
Nuclear Materials Safety Section

Enclosure:

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

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Northern Montana College
Havre, Montana

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. ☒ _____ 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. ☒ _____ 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. _____ 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.