



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

FILE COPY

JUN 16 1982

Cargill Fructose Incorporated  
ATTN: Laurie Chamberlin  
Fructose Plant Superintendent  
P. O. Box 1400A  
Dayton, Ohio 45414

Gentlemen:

This refers to your application dated February 11, 1982 for renewal of License Number 34-17221-01. In order for us to review your application further, additional information is needed in support of your application. For your convenience in providing this additional information, we are enclosing "A Guide for Preparation of Byproduct Material Applications for the Use of Sealed Sources in Nonportable Gauging Devices."

Please submit a description of the following:

- a. The precautions, restrictions, and "lock-out" procedures (i.e. procedures for preventing employees from entering the radiation beam during maintenance, repairs, or other work on or around the area where your gauge is mounted) that you will use. If the gauge shutter or switch is locked, bolted, etc., until the work is completed, you should describe this and provide the name of the individuals responsible for enforcing this procedure.
- b. How access to the gauge will be controlled (e.g. warning signs, barriers, inaccessible areas, etc.).
- c. The name, duties, and responsibilities of your Radiation Protection Officer. Duties should include those items outlined in Item 7. of the enclosed guide.
- d. Your method of leak testing the gauge. If you will use a leak test kit, specify the name of the manufacturer and model number. If not, and you desire to perform your own leak tests, you will need to provide a description of the following:
  - (1) The materials and procedures used for collecting leak test samples.
  - (2) The name of the manufacturer and model number of the measuring instrument used to analyze the leak test samples.

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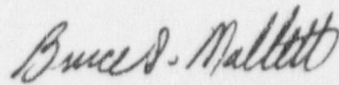
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- (3) Your procedures for calibration of the measuring instrument including a sample calculation showing how leak test results are converted to microcuries.

It is not clear who will perform service operations such as relocation, maintenance, repair, removal of sources, etc. on your gauges. Please clarify. If these will be performed by the manufacturer, please so state. If these will be performed in-house, you will need to submit all the information requested in Sections VII.1. and VIII.3. of the enclosed guide.

We will continue our review of your application upon receipt of this information. Please reply in duplicate and refer to Control No. 10386.

Sincerely,



Bruce S. Mallett, Ph.D., Chief  
Regional Licensing Section

Enclosure: Nonportable Gauge  
Guide