

NOV 14 1983

FCML:JH

National Aeronautics & Space Administration  
Lyndon B. Johnson Space Center  
ATTN: Dr. D. S. Hachewey  
Houston, Texas 09388

Docket No. 030-07087  
License No. 42-09388-02  
Control No. 16183

SUBJECT: LICENSE RENEWAL APPLICATION

Gentlemen:

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Sincerely,

*JBL*  
*11/14/83*  
John W. Hickey  
Material Licensing Branch  
Division of Fuel Cycle and  
Material Safety

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NMS LIC30  
42-09388-02 PDR

NASA  
Houston Tx  
16183  
030-07087

### IRRADIATOR APPLICATION CHECKLIST

This document provides NRC technical staff with a list of items which should be included in an application for a gamma irradiator. The list of items does not provide for criteria for acceptability of information submitted by an applicant. The guide for review of applications should be consulted for information concerning criteria for acceptability. The checklist may be used to determine completeness of an application.

#### SELF-CONTAINED DRY SOURCE-STORAGE IRRADIATORS

1. Type of application — *Hot cell irradiator*
2. Name and address of applicant *OK*
3. Place of use *OK*
4. Name of contact concerning the application *OK*
5. Material to be possessed
  - a. Isotope *OK*
  - b. Manufacturer and model number of sealed sources *?*
  - c. Quantity to be possessed *OK*
  - d. Manufacturer and model number of irradiator *Custom made*
6. Purpose for which material will be used *OK*
7. Individual(s) responsible for program
  - a. Name(s) *OK*
  - b. Training and experience of named individuals(s) *OK*
8. Training provided to other users *? None only two users*
  - a. Formal training
  - b. On-the-job training
  - c. Examination

9. Facilities and equipment
  - a. Irradiator location *OK*
  - b. Radiation detection instruments and calibration *OK*
  - c. Personnel monitoring equipment *OK*
10. Radiation safety program
  - a. Commitment for operation and emergency procedures *OK*
    1. Irradiator operation
    2. Radiation surveys *OK* ~~XXXXXXXXXXXXXXXXXXXX~~
    3. Use of personnel monitoring *OK*
    4. Locked room for unattended irradiator *OK*
    5. Emergencies *OK*
  - b. Leak testing *OK*
11. Waste management -

#### OTHER IRRADIATORS

1. Type of application
2. Name and address of applicant
3. Place of use
4. Name of contact concerning the application
5. Material to be possessed
  - a. Isotope
  - b. Manufacturer and model number of sealed sources
  - c. Total quantity to be possessed
  - d. Quantity in any single source
6. Purpose for which material will be used
7. Individual(s) responsible for program
  - a. Name(s)
  - b. Training and experience of named individuals(s)
8. Training provided to other users
  - a. Formal training
  - b. On-the-job training
  - c. Examination