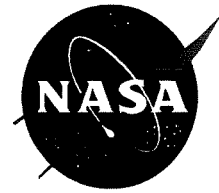


National Aeronautics and  
Space Administration

Ames Research Center  
Moffett Field, CA 94035-1000

RECEIVED

APR 18 2011



Reply to Attn of: QH: 237-14

DNMS

April, 14, 2011

Jacqueline D. Cook  
U.S. NRC Region IV  
Nuclear Materials Licensing Branch  
611 Ryan Plaza, Suite 400  
Arlington, TX 76011-4005

RE: License #04-07845-04 Radiation Safety Committee

Dear Ms. Cook:

The purpose of this letter is to update your records with our current Ionizing Radiation Safety Committee (IRSC) membership. No amendment is requested or required for these changes as the Radiation Safety Officer and the Committee Chairperson have not changed from those listed on our license.

IRSC Chairperson <i>Medical</i>	Ralph Pelligra, M.D.
Alternate Chairperson <i>Research - Irradiator</i>	Tore Straume, Ph.D.
Radiation Safety Officer	Patrick S. Muldoon, CHP
Member <i>Research - Labs</i>	David Summers, Ph.D.
Member <i>Construction, Radiography, Troxler</i>	Tim Gafney
Member <i>Research - x-ray diffraction</i>	Jerome Ridge
Member <i>Contract Health Physicist</i>	Eric Packard

If you have questions pertaining to this letter, feel free to contact me at (650) 604-3979.

Sincerely,

A handwritten signature in black ink, appearing to read "Patrick S. Muldoon".

Patrick S. Muldoon, CHP

5 7 4 9 3 0



Reply to Attn of: QH: 237-14

April 14, 2011

Jacqueline D. Cook  
U.S. NRC Region IV  
Nuclear Material Licensing Branch  
611 Ryan Plaza, Suite 400  
Arlington, TX 76011-4005

RE: License #04-07845-04 Amendment Request

Dear Ms. Cook

The purpose of this letter is to request an amendment to NASA Ames Research Center's Radioactive Materials License (#04-07845-04). At this time we are requesting authorization to possess and use two sealed sources containing Strontium-90/Yttrium-90 to be used for laboratory thermoluminescence studies of extraterrestrial materials, especially meteorites and lunar samples.

Appropriate safety controls for these sources will be in accordance with NASA Ames Research Center Ionizing Radiation Safety Committee (IRSC) approved radiation safety procedures and NRC rules and regulations.

The individual sources to be added are:

- Manufacturer: 3M  
Model: 3F1L  
Serial #: 1348  
Current Activity: 137mCi
- Manufacturer: Amersham  
Model: SICW.29  
Serial #: SIF21-19  
Current Activity: 270mCi

If you have any questions pertaining to this letter, please feel free to contact me at (650) 604-3979.

Sincerely,

A handwritten signature in black ink, appearing to read "Patrick S. Muldoon".

Patrick S. Muldoon, CHP

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM LTS

Program Code: 03610  
Status Code: Pending Amendment  
Fee Category: 3E 3L  
Exp. Date:  
Fee Comments:  
Decom Fin Assur Req: Y

### License Fee Worksheet - License Fee Transmittal

#### A. REGION

##### 1. APPLICATION ATTACHED

Applicant/Licensee: NATIONAL AERONAUTICS & SPACE ADM.  
Received Date: 04/18/2011  
Docket Number: 3020435  
Mail Control Number: 574930  
License Number: 04-07845-04  
Action Type: Notifications

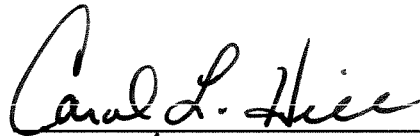
##### 2. FEE ATTACHED

Amount: \_\_\_\_\_

Check No.: \_\_\_\_\_

##### 3. COMMENTS

Signed: \_\_\_\_\_



Date: \_\_\_\_\_

4/19/11

#### B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / / )

1. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:

Amendment: \_\_\_\_\_

Renewal: \_\_\_\_\_

License: \_\_\_\_\_

3. OTHER \_\_\_\_\_

\_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

APR 26 2011

This is to acknowledge the receipt of your letter/application dated \_\_\_\_\_ DATE \_\_\_\_\_, and to inform you that the initial processing, Shilin which includes an administrative review, has been performed.

There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify other omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 574930.  
When calling to inquire about this action, please refer to this mail control number.  
You may call me at (817) 850-8103.

Sincerely,  
  
Licensing Assistant

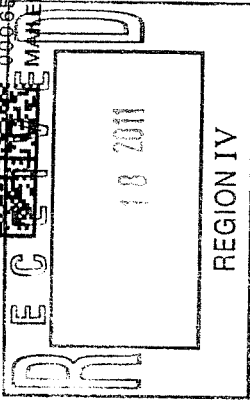
National Aeronautics and  
Space Administration  
**Ames Research Center**  
Mail Code RM/237-14  
Moffett Field, California 94035-1000



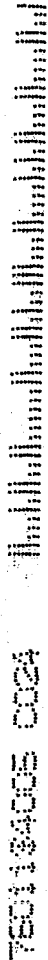
Official Business  
Penalty for Private Use, \$300



02 1R  
\$ 00.44<sup>0</sup>  
FITNEY BOWTES  
APR 15 2011  
MAILED FROM ZIP CODE 94035



Jacqueline D. Cook  
U.S. NRC Region IV  
Nuclear Material Licensing Branch  
611 Ryan Plaza, Suite 400  
Arlington, TX 76011-4005



574930