

National Aeronautics and Space Administration
George C. Marshall Space Flight Center
Marshall Space Flight Center, AL 35812



June 28, 2012

Reply to Attn of:

Environmental Engineering and
Occupational Health Group (70-12)

Br. 2

License No. 01-06571-10
Docket No. 030-03575

Licensing Action Team
US Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

2012 JUL 10 AM 7:21
RECEIVED
REGION 1

SUBJECT: Amendment to NASA Marshall Space Flight Center (MSFC)
NRC Material License 01-06571-10.

NASA Marshall Space Flight Center requests an amendment to NRC Material License 01-06571-01 to include any byproduct material in any form with atomic numbers 84-91, not to exceed 0.6 microcuries per radionuclide and 2 microcuries total.

The material will be used for Research and Development to determine the age of rock samples via the Ar-40/Ar-39 method per our pervious submittal. These additional nuclides are being requested due to the appearance of a small quantity of Pa-233 in a sample report from the irradiation facility for material similar to the material MSFC will be sending. All controls for these nuclides are the same as for our previous submittal.

The Authorized User for the material at MSFC will be Philip Brown, RSO.

Philip Brown, RSO, at 256-544-5738 is the point of contact should you require further information.

Donna L. Leach
for

Edward H. Kiessling
Manager
Environmental Engineering and Occupational Health Group

cc:
AS10/D. Thaxton
XD12/B. Ramsey
AS10/P. Brown/P. Patterson

577851
NMSS/RGN1 MATERIALS-002

This is to acknowledge the receipt of your letter/application dated

6/28/12, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (01-06571-10) There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

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

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** 577851.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader