

George C. Marshall Space Flight Center  
Marshall Space Flight Center, Alabama  
35812

JUL 30 1984

Reply to Attn of:

AS01

U.S. Nuclear Regulatory Commission  
Material Licensing Branch '84 AUG -2 P3:27  
Division of Fuel Cycle & Material Safety  
Washington, D. C. 20555

Mail Control No. 14698

Dear Sir:

In reply to your letter dated May 18, 1984, Marshall Space Flight Center (MSFC) wishes to amend its broad license in the following manner (referencing paragraphs of your letter):

- a. Paragraph 1: Delete Sections 6B, 7B, 8B, 6F, 7F, and 8F.
- b. Paragraph 2: Delete under section 6A atomic number 1 (hydrogen). MSFC does not have any Tritium, Iodine-125, or Iodine-131 and does not plan to use any in the future; therefore, the referenced Regulatory Guides are not applicable.
- c. Paragraph 3: MSFC uses only sealed sources, foils, or plated sources. We do not have any radioactive effluents. All material is disposed of on contract by a licensed disposal firm.
- d. Paragraph 4: It is policy of MSFC to maintain radiation exposure of personnel as low as possible. Our past exposure records indicate that personnel have not been exposed to levels which exceed the limits in 10 CFR Part 20. We are in the process of updating the MSFC Radiological Control Manual. It will specifically incorporate the applicable provisions of the Regulatory Guide 8.10. Should radiation exposure exceed 10% of the limit of 10 CFR Part 20, a review will be conducted to determine if corrective actions are necessary.
- e. MSFC wishes to add the following items to the broad license.

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1. Section 6: Thorium, atomic number 90; Uranium, atomic number 92; Curium, atomic number 96; Californium, atomic number 98.
2. Section 7: Foils, plated sources, or sealed sources.
3. Section 8: No single source to exceed one (1) millicurie with a maximum total on hand of ten (10) millicuries.

f. Section 7A should be changed as follows: Foils, plated sources, or sealed sources.

We believe these requested changes in our program will be more in line with the current and future plans of the radiation program at MSFC.

Please note that all future correspondence should be directed to the undersigned.

Sincerely,

*R. W. Phillips*

R. W. Phillips  
Director  
Management Operations Office

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National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Marshall Space Flight Center, Alabama  
35812 AS01

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