



DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY COMMUNICATIONS-ELECTRONICS
LIFE CYCLE MANAGEMENT COMMAND,
FORT MONMOUTH, NEW JERSEY 07703-5000

REPLY TO
ATTENTION OF

2 APRIL 2007

Directorate for Safety

U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Attention: Ms. Betsy Ullrich
Senior Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

This refers to U.S. Nuclear Regulatory Commission License (NRC) Number 29-01022-06, Docket 030-05248, Control Number 136374, our letter and application dated 23 February 2005, subject: Renewal of NRC License Number 29-01022-06, our letter dated 1 June 2005, subject: Financial Assurance for Decommissioning, our letter of 4 November 2005, subject: Amendment to Renewal Letter and Application of 23 February 2005, and your letter of 23 January 2007, subject: Request for Additional Information Concerning Application for Renewal Amendment of License, Control Numbers 136374 and 137187.

We are requesting an amendment to our 23 February 2005 renewal application and our letter of 4 November 2005 in order to meet our 3 June 2005 financial assurance position, as follows:

a. Change Condition 7A to read "Any Alpha Emitter Radionuclides" in lieu of "Any".

b. Change Condition 8A to read "Not to exceed 500 microcuries total".

c. Change Condition 8C to read "Not to exceed 100 microcuries total".

d. Change Condition 8L to read 100 microcuries in lieu of 1 millicurie. This reduction in the maximum possession limit will allow us to possess Americium 241 in "Any" form and continue to meet our 3 June 2005 financial assurance position.

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e. Delete Conditions 6D, 7D and 8D regarding Hydrogen 3 as accelerator targets. The accelerator target originally possessed was disposed of as radioactive waste (Radioactive Waste Manifest dated 30 July 1999).

f. Delete our request of 4 November 2005 to add Condition 6, 7 and 8 to read: Any byproduct material with atomic numbers 1 through 83 in "Any" form, not to exceed 10 millicuries per radionuclide and 100 millicuries total.

g. Add Condition 6, 7 and 8 to read: Any byproduct material with atomic numbers 1 through 83 in "Any Beta/Gamma Emitter Radionuclides", not to exceed 2 millicuries total.

h. Add Condition 6, 7 and 8 to read: Americium 241, as sealed sources, with a maximum possession limit at any one time as 1 millicurie. This will allow us to maintain our current flexibility to possess Americium 241 for research and development purposes as it becomes necessary.

i. Add Condition 6, 7 and 8 to read: Hydrogen 3, Any form, with a maximum possession limit at any one time as 10 millicuries. This will allow us to maintain our current flexibility to possess Hydrogen 3 for research and development purposes as it becomes necessary.

j. Add Condition 6, 7 and 8 to read: Cesium 137, Any form, with a maximum possession limit at any one time as 45 millicuries, for research and development as defined in 10 CFR 30.4.

k. Add Condition 6, 7 and 8 to read: Cesium 137, Sealed Source (J. L. Shepherd Model 6810), with a maximum possession limit at any one time as 200 millicuries, for use in the J.L. Shepherd Model 142-10 Calibrator for the calibration of instruments.

l. Add Condition 6, 7 and 8 to read: Cobalt 60, Sealed Source (J. L. Shepherd Model 7810), with a maximum possession limit at any one time as 50 millicuries, for research and development as defined in 10 CFR 30.4.

m. Add Condition 6, 7 and 8 to read: Cesium 137, Sealed Source (3M Company Model 4F6S, or Monsanto Research Company Model 24148, or Amersham corporation Model CDC.700 or CDC.711m), with a maximum possession limit at any one time as 2 curies, for use in

the Science Applications International Corporation Military Mobile Vehicle and Cargo Inspection System (See Sealed Source and device catalog Sheet CA-0215-D-010-6-S) for the detection of contraband.

n. Add Condition 6, 7 and 8 to read: Cesium 137, Sealed Source (C-E LCMC Identification Number CS-05), with a maximum possession limit at any one time as 2.71 millicuries, for research and development as defined in 10 CFR 30.4. This sealed source has been in use under this NRC license for many years. The leak test history for this source meets the leak test requirement stipulated in Condition 15 of this NRC license.

o. Add Condition 6, 7 and 8 to read: Cesium 137, Sealed Source (C-E LCMC Identification Number CS-06), with a maximum possession limit at any one time as 50 millicuries, for research and development as defined in 10 CFR 30.4. This sealed source has been in use under this NRC license for many years. The leak test history for this source meets the leak test requirement stipulated in Condition 15 of this NRC license.

p. Delete Conditions 6E, 7E, 8E, 6G, 7G and 8G regarding Cesium 137 and Cobalt 60 sealed sources. This is to be replaced by Items k, l, m, n and o above.

q. Change Conditions 6F, 7F and 8F to read: Sealed Sources (3M Company Model 3F1G), not to exceed 100 millicuries.

r. Change Condition 7K to read: Sealed Sources (AEA, Amersham Corporation or Isotope Product Laboratories Series).

s. Change Condition 7M to read: Sealed Sources (Frontier Technology Corporation Model 10 or Model 100 Series).

The above changes and additions are requested so that we can continue to maintain our current operational flexibility and meet our 3 June 2005 financial assurance position. It is our intent not to possess radioactive material equal to, or greater than, the amounts that will require the filing of a decommissioning funding plan.

Our Point of Contact is Mr. Barry J. Silber, Facsimile on (732) 532-6403 or (732) 542-7161; Voice on (732) 427-7459.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stephen G. LaPoint', with a long horizontal flourish extending to the right.

Stephen G. LaPoint
Director
Directorate for Safety