

THE STATE UNIVERSITY OF NEW JERSEY
RUTGERS

Rutgers Environmental Health and Safety
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Rutgers, The State University of New Jersey
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Response Submitted via Facsimile – 610-337-5393

July 24, 2007

MS 16

L-4

U.S. Nuclear Regulatory Commission
Region I
Attn: Licensing Assistance Team
475 Allendale Road
King of Prussia, PA 19406

Attn: Michelle Beardsley, Senior Health Physicist

030 00 883

Re: Rutgers, The State University of New Jersey, Response to
Request for Additional Information Concerning Application for
Renewal, License Number 29-05218-28

Mail Control No: 140034

Dear Ms. Beardsley:

Please accept this as Rutgers University's response to your letter dated June 29, 2007 requesting additional information to complete your review of our renewal of License No. 29-05218-28. Specifically, the following paragraphs provide information on the University's sealed sources. Each paragraph is headed with the appropriate Line Item number from Attachment # 5 of our application / renewal.

Additionally, Rutgers requests that the Commission include a line item in our license that is equivalent to the wording of line item # 4 in our application but with a tie-down condition "for storage only". This will allow for storage of sources that are not in use prior to disposal.

140034

NMSS/RGN1 MATERIALS-002

Line Item # 4:

The following table provides descriptions of sealed sources that are "in use" and would fall under line item # 4. These sources have been in use for some time and inventoried and leak tested every six months. Please do not hesitate to contact me should you have questions or concerns.

Isotope	Original Activity (mCi)	Assay Date	Description
Sm-151	1,000	Uncertain	Amersham. Model # D45100, S/N 0062DA
Sr-90	5	11/2002	North American Science, Model # IND1501, S/N 30182
Sr-90	5	11/2002	North American Science, Model # IND1501, S/N 30182
Sr-90	1	4/1978	U.S. Nuclear, S/N 90.3.J-33
Sr-90	0.6	1963	U.S. Nuclear, S/N w-845
Sr-90	0.5	1963	U.S. Nuclear, S/N J-663-b

Line Item #5:

Rutgers does not have "in use" any equipment containing specifically licensed Ni-63 sources. Typically, these sources are found in gas chromatographs with electron capture detectors (ECD). Please change this line item to reflect a total of 150 mCi (vs. 1 Ci) and add a "storage only" condition. Should the University acquire a specifically licensed ECD or other similar equipment, we will amend our license to accommodate the addition.

Line Item #12:

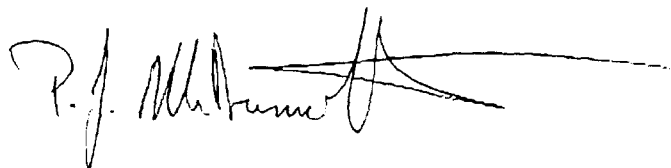
This is a Plutonium/Boron source manufactured by Monsanto Research Corporation in 1970. The best descriptor we have (in lieu of a model number or serial number) is the AEC Project Number and Identification from the Nuclear Material Transfer Report. The project number is MRC-G-SS-W-PuB-2. Please advise if this information is not sufficient.

Line Item #7 and #24:

Rutgers Currently possesses one Troxler Electronic Laboratories, Inc. moisture and density gauge. The unit is a Model 3411-B with serial number 13763. It contains an 8 mCi Cs-137 source and a 40 mCi Am-241 source.

Again, thank you for your attention to this renewal and do not hesitate to contact me if you have questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. J. McDermott', followed by a long horizontal flourish line extending to the right.

Patrick McDermott, CHP
Radiation Safety Officer

Cc: M. Quinlan, Assoc. VP of Business Services
M. McLane, Director-REHS

File: RU License File