

21-10725-03



Office of Research
and Academic Development

Rochester, Michigan 48309-4401
(313) 370-3222

April 6, 1993

Mr. Robert G. Gattone, Jr.
Nuclear Material Licensing Section
U. S. Nuclear Regulatory Commission, Region III
799 Roosevelt Road
Glen Ellyn IL 60137

Dear Mr. Gattone:

In response to the question raised in our recent telephone conversation, the Oakland University Radiation Safety Officer, Dr. R. Craig Taylor, contacted Ms. Maija Pauls of J.L. Shepherd & Associates. Based on information provided by Ms. Pauls, I have modified Item 5.2 of our Materials License Application to read:

"Sealed source shall be contained in a U.S. Nuclear Model GR-9 irradiator, Serial No. 3008, refurbished and reloaded by J. L. Shepherd & Associates, 1010 Arroyo Avenue, San Fernando, CA."

A substitute page one of our Application is enclosed. Should you have additional questions, Ms. Pauls may be contacted directly at (818) 898-2361.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Donald A. McCrimmon'.

Donald A. McCrimmon
Director

encl.

cc: W. Bradford, R. Schwartz, G. Dahlgren, S. Gerrits, R. Harris,
M. Otto, C. Taylor

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Item 5 - Radioactive Material

5.1 Nuclides

a. Element & Mass Number	b. Chemical and/or physical form	c. Maximum amount in possession any one time under this license
Carbon-14	Any	15 mCi
Hydrogen-3	Any	140 mCi
Calcium-45	Any	5 mCi
Rubidium-86	Any	10 mCi
Sulfur-35	Any	80 mCi
Iodine-125	Any, except I ₂ , I ⁻	40 mCi
Iodine-131	Any, except I ₂ , I ⁻	16 mCi
Chromium-51	Any	20 mCi
Phosphorus-32	Any	60 mCi
Sodium-22	Any	4 mCi
Potassium-42	Any	10 mCi
Chlorine-36	Any	1 mCi
Nickel-63	Any	500 μ Ci
Selenium-75	Any	3 mCi

5.2 Sealed Sources

Byproduct, source, and/or special nuclear material	Chemical and/or physical form	Max Amount
Cobalt-60	Sealed source (J.L. Shepherd Model 7810)	4600 Ci

Sealed source shall be contained in a U.S. Nuclear Model GR-9 irradiator, Serial No. 3008, refurbished and reloaded by J. L. Shepherd & Associates, 1010 Arroyo Avenue, San Fernando, CA.