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5 December 2005

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Licensing Assistance Team
Nuclear Materials Safety Branch
US Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Dear Sir:

03005379

Subject: Byproduct Material License Termination Request; License Number 29-10211-01

Fisher Scientific Company holds Nuclear Regulatory Commission license Number 29-10211-01, currently at Amendment No. 21, which was issued on 7 February 2002 and expires 31 January 2006. The license allows the possession and use of radioactive materials for instrument calibration standards and in electron capture detector cells.

Rather than renew this license, we wish to terminate the license.

Our license possession limits, reproduced below, are seen to be very modest.

Radionuclide	Chemical and Physical Form	Maximum Amount Possessed at Any One Time
Hydrogen-3	Any	400 microcuries
Carbon-14	Any	600 microcuries
Phosphorus-32	Any	10 microcuries
Nickel-63	Plated sources	275 millicuries total

Our license allows possession and use at two facilities in New Jersey: 1 Reagent Lane, Fair Lawn, and 755 State Highway 202, Somerville. However, licensed material has not been used at our Somerville facility since March 2000, the date when an ECD was returned to the manufacturer.

To the best of our knowledge, P-32 has never been purchased or used under this license. We currently possess no P-32.

Our use of H-3 and C-14 has been limited to bottles of calibration solution to be used for quality control testing of liquid scintillation solution. These bottles are purchased from commercial vendors and are typically C-14 labeled toluene and H-3 labeled water and toluene, used to make up about 100 ml of working solutions. Our use rate is very low and a single bottle typically lasts about 1-5 years. All storage and use of H-3 and C-14 is confined to our quality control-liquid laboratory room. Our current total inventory of H-3 and C-14 materials is 28.6 and 2.0 microcuries respectively. We will “transfer” our inventory of H-3 and C-14 to Fisher Scientific Company as license exempt quantities.

We currently possess ten sealed (plated) Ni-63 sources containing nominally 15 mCi each for a total inventory of 150 mCi of Ni-63. All storage and use of our Ni-63 electron capture sources are confined to our Quality Control-Liquid and R&D laboratories. The Ni-63 sealed sources are inventoried and leak tested according to a quarterly schedule in order to meet the NRC required frequency of every six months. They are all generally licensed sources. Antkowiak and Mahoney Enterprises, Inc. a commercial radiation safety lab in New York State, analyze the swipes and report the amount of radioactivity on each swipe. Each source is swiped in three places (inlet, outlet and housing) and the sum of the activities for the three swipes reported. Recent sealed source leak testing results are summarized below showing the result from the sealed source with the highest leak test activity.

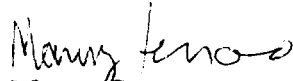
Date	Number of Sources	MDA	Maximum Result
		dpm	dpm
29-Jun-2004	8	102	243
September 2004	8	102	237
December 2004	8	102	159
22-Mar-2005	8	102	<MDA
22-Jun-2005	8	102	329
27-Sep-2005	8	102	1089
Notes:			
MDA = Minimum Detectable Activity			
Action Level = 11,000 dpm			

The above table indicates no sources showed leakage above the NRC regulatory action level of 11,100 dpm.

We have contacted our current suppliers of radioactive materials and they can supply our future needs as license exempt or generally licensed radioactivity. Therefore, with the above-described transfer of our existing inventory of radioactive materials to either exempt or generally licensed status, we request that our specific license be terminated.

Should you need additional information you may contact me or our Radiation Safety Officer Jeanette DeGennaro at 201-703-3136.

Very truly yours,
Fisher Scientific Company



Manny Serrano
VP – Global Chemical Operations

Cc Jeanette DeGennaro
Jeff Felder
Mark Jasko

Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410

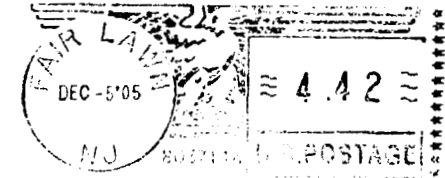


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