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April 14, 2009

Br 2

James P. Rust
Director, Facilities

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Licensing Assistance Team
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

03029879

Subject: Byproduct Material License Amendment Application
NRC License Number: 29-28005-01

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REGION I
2009 APR 17 PM 12:25

Dear Sir or Madam:

We wish to amend our byproduct material specific license number 29-28005-01 which is currently at Amendment No. 16.

Our program of using "unsealed" radioactive material has been inactive since prior to 2005. As of August 2005 all unsealed radioactive materials had been disposed and our inventory has remained at zero through the present. Our company has no plans to resume use of unsealed radioactive materials. Therefore, please amend our license to remove the following eight radionuclides: Hydrogen-3, Carbon-14, Phosphorus-32, Phosphorus-33, Sulfur-35, Calcium-45, Iodine-125 and Iodine-131.

All other radionuclide items in paragraphs 6, 7 and 8 of our license remain the same. Attached is a table summarizing the changes and existing items.

Please feel free to contact at 609-734-3008 if you have any questions.

Very truly yours,
Sarnoff Corporation

James P. Rust
Director, Facilities

Attachment (1)

cc: Wesley R. Van Pelt, PhD, CIH, CHP, Radiation Safety Officer



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Attachment
Requested Possession Limits
(Changes are indicated as Zero in bold)

	<u>Nuclide</u>	<u>Form</u>		<u>Possession Limit</u>
A.	Hydrogen 3	Any	A.	Zero
B.	Carbon 14	Any	B.	Zero
C.	Phosphorus 32	Any	C.	Zero
D.	Phosphorus 33	Any	D.	Zero
E.	Sulfur 35	Any	E.	Zero
F.	Calcium 45	Any	F.	Zero
G.	Manganese 54	Any	G.	10 microcuries
H.	Iron 55	Any	H.	50 microcuries
I.	Iodine 125	Non-volatile Compounds	I.	Zero
J.	Iodine 131	Non-volatile Compounds	J.	Zero
K.	Cobalt 60	Any	K.	10 microcuries
L.	Barium 133	Any	L.	10 microcuries
M.	Cesium 137	Any	M.	10 microcuries
N.	Mercury 203	Any	N.	20 microcuries
O.	Iron 55	Sealed Sources (Isotope	O.	100 millicuries per source and
		Products Model XFB Series)		200 millicuries total
P.	Cesium 137	Sealed Sources (Amersham	P.	3 millicuries total
		Model CDC-B03)		
Q.	Americium 241	Sealed Sources	Q.	12 microcuries total
R.	Americium 241	Sealed Sources (Amersham	R.	10 millicuries per source and
		Models AMC-21 and AMC-		12 millicuries total
		2084)		

This is to acknowledge the receipt of your letter/application dated

4/14/2009, and to inform you that the initial processing which includes an administrative review has been performed.

☒ AMEND. 29-2805-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 143652.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.