

REQUEST FOR A SEALED SOURCE OR
DEVICE EVALUATION

INSTRUCTIONS: Send this request AND a copy of all related letters/applications and drawings to the Director, Materials Safety & State Agreements (T-8 E24), U. S. Nuclear Regulatory Commission Washington, DC 20555-001. Change the License Tracking System milestone to 19 and assign to reviewer code 1-5.

NOTE: Retain a copy of this request with the application and background files.

REQUESTER International Isotopes, Inc.		REGION/LOCATION: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> HQ <input type="checkbox"/> LFT	
TELEPHONE NUMBER 208-524-5300	DATE	TYPE OF ACTION REQUESTED (Check as appropriate)	
NAME OF APPLICANT John J. Miller		<input type="checkbox"/> SOURCE REVIEW	<input checked="" type="checkbox"/> AMENDMENT OF REGISTRATION SHEET NUMBER(S)
MAIL CONTROL NUMBER(S)		<input type="checkbox"/> DEVICE REVIEW	
LETTER/APPLICATION DATE 08/09/2010		<input type="checkbox"/> CUSTOM REVIEW	NR-1235-S-102-S
LICENSE NUMBER(S)			

COMMENTS:

**4137 Commerce Circle
Idaho Falls, ID 83401**

FOR MSSA USE ONLY

REVIEWER John O'Donnell and Ujagar Bhachu	MODEL NUMBERS BM06E-68 & BM06S-68	NUMBER ASSIGNED 10-37
DATE RECEIVED 08/19/2010	DATE ASSIGNED 08/19/2010	DATE TO FEES 08/19/2010

TYPE OF ACTION (Indicate the number of each type)

<input checked="" type="checkbox"/> COMMERCIAL DISTRIBUTION (FORMAL)		<input type="checkbox"/> USE BY A SINGLE APPLICANT (CUSTOM)	
SOURCE (9C)	DEVICE (9A)	SOURCE (9D)	DEVICE (9B)
<input type="checkbox"/> NEW	<input type="checkbox"/> NEW	<input type="checkbox"/> NEW	<input type="checkbox"/> NEW
<input checked="" type="checkbox"/> AMENDMENT	<input type="checkbox"/> AMENDMENT	<input type="checkbox"/> AMENDMENT	<input type="checkbox"/> AMENDMENT
<input type="checkbox"/> NO SAFETY EVALUATION REQUIRED NO FEES REQUIRED		<input type="checkbox"/> LICENSING ACTION REQUIRED (IF KNOWN)	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<input type="checkbox"/> OTHER (Specify)			

TOTAL NUMBER OF REVIEW HOURS	NOTES Request to amend registration certificate NR-1235-S-102-S to increase maximum activity for both models listed above and to change the color code from white to purple.
NUMBER OF DEFICIENCY LETTERS	
NUMBER OF DEFICIENCY CALLS	

FOR FEE USE ONLY

TYPE OF FEE		FEE CATEGORY <input type="checkbox"/> 9A <input type="checkbox"/> 9B <input checked="" type="checkbox"/> 9C <input type="checkbox"/> 9D	
AMOUNT RECEIVED	CHECK NUMBER	DATE OF CHECK	LOG
APPROVED BY			DATE OF RETURN

COMMENTS



International Isotopes Inc.

August 9, 2010

Dr. John Jankovich
US Nuclear Regulatory Commission
Mail Stop 8F5
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852

Subject: Request to Amend NR-1235-S-102-S.

Dear Dr. Jankovich,

International Isotopes Inc. requests to amend Registry of Sealed Sources and Devices Safety Evaluation of Sealed Source Number NR-1235-S-102-S as follows:

- Increase maximum activity for BM06E-68 and BM06S-68 from 0.50 mCi to 1.2 mCi.
- Change the color code for models BM06E-68 and BM06S-68 from white to purple.

Increasing the maximum activity from 0.5 mCi to 1.2 mCi will allow us to meet customer requests for higher activity sources. Increasing the authorized activity will result in an increase the external radiation levels by a factor of 2.4. Dose rates in mrem/hr are indicated in the table below:

Model	Activity	Contact	5 cm	30 cm	100 cm
BM06E-68	1.2 mCi	525.6	88.8	7.2	0.96
BM06S-68	1.2 mCi	904.8	96	3.36	0.24

The color change is for aesthetic purposes only.

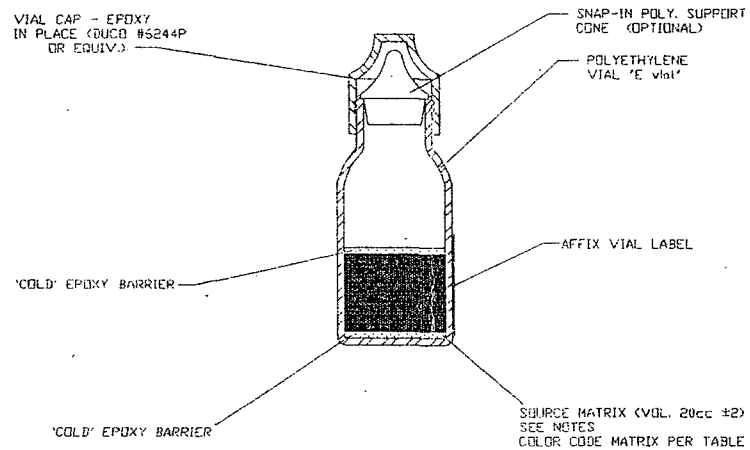
A revised drawing is enclosed to replace the drawing that is currently found in Attachment 2 of NR-1235-S-102-S.

Should you have any questions, please contact me by phone at (208) 524-5300 or by email at jjmiller@intisoid.com.

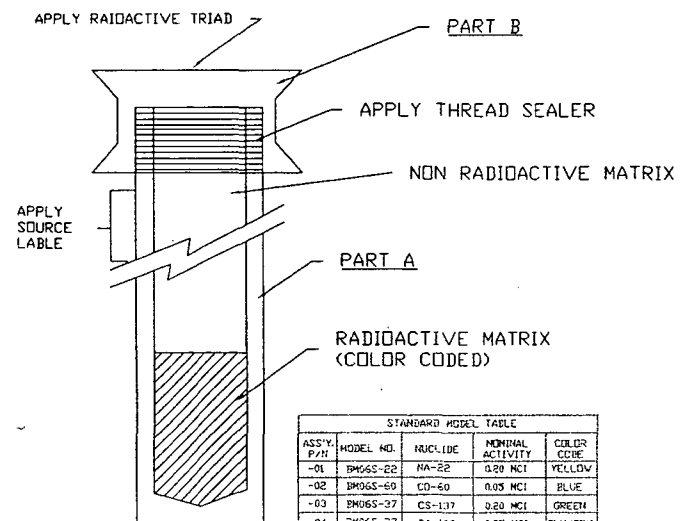
Sincerely,

John J. Miller, CHP
Radiation Safety Officer
International Isotopes Inc.
4137 Commerce Circle
Idaho Falls, ID 83401

JJM-2010-18



STANDARD MODEL TABLE				
ASS'Y. P/N	MODEL NO.	NUCLIDE	NOMINAL ACTIVITY	COLOR CODE
-01	BM06E-22	NA-22	0.20 MCI	YELLOW
-02	BM06E-60	CO-60	0.05 MCI	BLUE
-03	BM06E-37	CS-137	0.20 MCI	GREEN
-04	BM06E-33	BA-133	0.25 MCI	BLK/GRY
-05	BM06E-57	Co-57	5.0 MCI	RED
-06	BM06E-68	GE-68	0.20 MCI	PURPLE
-07	BM06E-157	CO-57	10.0 MCI	RED



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