



International Isotopes Inc.

July 12, 2010

Document Control Desk
 Ms. Vonna Ordaz, Director
 Division of Spent Fuel Storage and Transportation
 Office of Nuclear Material Safety and Safeguards
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555-0001

Subject: Request to Extend Authorization for Limited Shipments in Model 5979
 Safety Evaluation Report No. 71-5979

Dear Ms. Ordaz,

As a result of delays reflected in the schedule provided below, International Isotopes, Inc. (INIS) requests to extend the authorization for limited shipments of the Model No. 5979 container, as described in Safety Evaluation Report Docket No. 71-5979, from October 31 2010 until October 1, 2011. This extension is necessary to support continued Co-60 source manufacturing activities until the AOS-100 replacement container is available.

ACTIVITY	STATUS	SCHEDULE	
		EXPECTED	ACTUAL
Design	The design was completed for the OCT07 submittal to the NRC. Comment received by the NRC on FEB08 did not have any impact on the design. The only design characteristic impacted was the material selection for the elastomeric seals.	1 OCT 07	1 OCT 07
Testing	All required testing was completed for the OCT07 submittal. No additional testing requirements have been identified as a result of NRC responses to date.	30 MAR 07	30 MAR 07
Application	Safety Analysis Report (SAR) submitted to the NRC.	1 NOV 08	23 JUN 09
	Response to RSI's.	14 SEP 09	14 SEP 09
	Response to RAI's.	4 OCT 10	
Certification	It is expected to receive the Certificate 6-12 months from RAI Response date.	1 APR 11	
Production	AOS is planning to begin production as soon as there is indication that the design will be licensed. It is expected to complete production of the packaging within 6 months.	1 OCT 11	

NMSS24

Extending this authorization will enable INIS's to continue to manufacture Co-60 radiography sources with activities that exceed the A1 value.

To date INIS has utilized the Model 5979 under DOT Special Permit No. 14772 without incident on three occasions as follows:

Date	Serial Number
06/26/2009	AOS I
06/26/2010	AOS II/IIIA
06/29/2010	AOS I

In each of the above instances International Isotopes Transportation Services acted as the motor carrier.

A similar request has been submitted to the US Department of Transportation.

Please contact me at 208 524-5300 or via email at jjmiller@intisoid.com if you have questions regarding this request.

Sincerely,



John J. Miller, CHP
Radiation Safety Officer
International Isotopes, Inc.

Copy:

Michele Sampson
U.S. Nuclear Regulatory Commission
Mail Stop E3 D2M
6003 Executive Blvd.
Rockville, MD 20852