

~~OFFICIAL USE ONLY – SECURITY-RELATED INFORMATION~~

September 10, 2010

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION – INTERNATIONAL ISOTOPES  
FLUORINE PRODUCTS LICENSE APPLICATION FOR THE PROPOSED  
DECONVERSION FACILITY (TAC 32739)

Dear Mr. Miller:

The U.S. Nuclear Regulatory Commission (NRC) staff has completed its initial technical review regarding the safety and security areas of your license application for the International Isotopes Fluorine Products, Inc. for the Fluorine Extraction Process and Depleted Uranium Deconversion facility, which is proposed to be constructed and operated in Lea County, New Mexico. Your application was transmitted by letter dated December 30, 2009. Our review of your application has identified that additional information is needed before the staff can reach a final safety decision.

The enclosed Request for Additional Information (RAI) addresses the majority of review areas for the safety portion of the license application—but does not include RAIs for human factors, electrical/digital instrumentation and control, and the environmental report. RAIs associated with the review of these additional sections will be provided at a later date.

Please provide the additional information requested in the attachments within 30 days of the date of this letter.

In accordance with Title 10 of the *Code of Federal Regulations* 2.390 of the NRC's "Rules of Practice," a copy of this letter and Enclosure 1 will be available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Enclosure 2 contains Sensitive-Unclassified security information; and is, therefore, deemed Official Use Only and will neither be placed in the Public Document Room or the Publicly Available Records component of the NRC's ADAMS. As you are aware, the NRC's Regulatory Issue Summary 2005-31 provides guidance for the handling and submission of Security-Related Sensitive Unclassified Non-safeguards information by applicants.

The Enclosure contains OUO-Security Related Information. When detached from Enclosure, this letter is decontrolled.
---

~~OFFICIAL USE ONLY – SECURITY-RELATED INFORMATION~~

J. Miller

- 2 -

If you have any questions regarding this letter, please contact me at 301-492-3119 or via e-mail to [matthew.bartlett@nrc.gov](mailto:matthew.bartlett@nrc.gov).

Sincerely,

**/RA/**

Matthew Bartlett, Project Manager  
Advanced Fuel Cycle, Enrichment, and  
Uranium Conversion Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 40-9086

Enclosures:

1. Request for Additional Information (Public)
2. Request for Additional Information (Official Use Only)

J. Miller

- 2 -

If you have any questions regarding this letter, please contact me at 301-492-3119 or via e-mail to [matthew.bartlett@nrc.gov](mailto:matthew.bartlett@nrc.gov).

Sincerely,

**/RA/**

Matthew Bartlett, Project Manager  
Advanced Fuel Cycle, Enrichment, and  
Uranium Conversion Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 40-9086

Enclosures:

- 1. Request for Additional Information (Public)
- 2. Request for Additional Information (Official Use Only)

DISTRIBUTION:

FCSS r/f            AMalliakos, FSME            DDiaz-Toro, FSME            YFaraz, NMSS

INIS Website -YES

**ADAMS Accession No. ML102390178**

<b>OFFICE:</b>	AFCB	AFCB	AFCB
<b>NAME:</b>	MBartlett	LAllen	THiltz
<b>DATE:</b>	8/30/10	9/13/10	9/10/10

**OFFICIAL RECORD COPY**