

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

December 21, 2010

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR HUMAN FACTORS,  
ELECTRICAL, AND DIGITAL – INTERNATIONAL ISOTOPES FLUORINE  
PRODUCTS LICENSE APPLICATION FOR THE PROPOSED DECONVERSION  
FACILITY (TAC 32739)

Dear Mr. Miller:

The U.S. Nuclear Regulatory Commission's (NRC) staff completed the initial safety review of the human factors, electrical, and digital instrumentation and control portions of your license application. The review supports your license application for the International Isotopes Fluorine Products, Inc. which is proposed to be constructed and operated in Lea County, New Mexico. Your application was transmitted by letter dated December 30, 2009, (Accession Number ML100120736).

The bulk of the safety Requests for Additional Information (RAI) were previously provided via letter dated September 10, 2010, (Accession Number ML102390212). The enclosed RAIs complete our initial review of your application. The additional information is needed before the staff can reach a final safety decision.

Please provide the additional information requested in the enclosures within 45 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 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).

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

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Enclosure 3 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 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.

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. Human Factors RAIs for IIFP
2. Electrical and Digital RAIs for IIFP (Public)
3. Electrical and Digital RAIs for IIFP (Non-Public)

cc: Simon Hsiung  
George Adams  
Chris Storms

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**/RA/**

Matthew Bartlett, Project Manager  
Advanced Fuel Cycle, Enrichment, and  
Uranium Conversion Branch  
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**ADAMS Accession No. ML103540493**

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