



International Isotopes Inc.

April 13, 2009

Mr. Michael Weber
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: International Isotopes Inc, Intent to Submit License Application for Depleted Uranium Hexafluoride De-conversion Facility.

Dear Mr. Weber

The purpose of this letter is to provide you and your staff with an update to International Isotopes, Inc. (INIS) plans to license, construction and operate a depleted uranium hexafluoride de-conversion and fluorine extraction process facility. INIS has conducted an exhaustive review of several potential sites since announcing its plans to construct the DUF6 De-conversion / FEP facility in June of 2008. As you may be aware, INIS recently announced its selection of a site located approximately 15 miles southwest of Hobbs, New Mexico. With the site selection process completed our resources are now fully focused on the preparation of the license application. The Tables below summarize the licensing application activities and schedule.

License Application Schedule for DUF6 De-conversion / FEP Facility		
Task	Schedule	Status
Site Selection Process:	01/2008- 11/2008	Complete – 3/2008
Process Flow Drawings	10/2008-11/2008	Complete – 11/2008
Conceptual Design Report:	08/2008 – 06/2009	On-schedule
Integrated Safety Analysis:	08/2008 – 10/2009	On-schedule
Emergency Response Plan:	08/2008 – 10/2009	On-schedule
Environmental Report:	08/2008 – 10/2009	On-schedule
Decommissioning Funding Plan:	08/2008 – 10/2009	On Schedule
License Application NRC Form 313:	08/2008 – 10/2009	On-schedule
INIS Review - License Application Documents:	10/2009 – 11/2009	On-schedule
License Application Submittal:	11/13/2009	On-schedule

Also note that INIS intended to amend its current source material license, SUB-1587, to expand our operations in Idaho Falls, ID, to include a Silica Tetrafluoride (SiF₄) production pilot plant. INIS has scaled back the scope of work that we intend to conduct under SUB-1587 and believe

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that the research and development activities being considered to support future SiF₄ and Boron Trifluoride (BF₃) gas production at the new facility can be conducted within our current license conditions and without an adjustment to our financial assurance.

I also look forward to our May 7th closed meeting with NSIR and members of your staff to discuss the security requirements that we may be subjected to followed by a brief meeting later that afternoon to address the Integrated Safety Analysis requirements aspect to our licensing application. Should you have additional questions regarding this letter please contact me at 208.524.5300 or via email at jjmiller@intisoid.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'John J. Miller', with a long horizontal flourish extending to the right.

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

cc:

J. J. Miller file (JJM-2009-37)