



**International Isotopes Inc.**  
& International Isotopes Idaho Inc.

January 5, 2006

Dr. John Jankovich  
Mail Stop: T8F3  
Materials Safety and Inspection Branch  
Division of Industrial and Medical Nuclear Safety  
Office of Nuclear Material Safety and Safeguards  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Subject: Amendment to NR-1235-S-101-S

Dear Dr. Jankovich,

International Isotopes Inc. requests an amendment to Radioactive Sealed Sources and Devices Safety Evaluation of Sealed Source NR-1235-S-101-S to include Category IV Irradiator Sources. The design and testing criteria described in NR-1235-S-101-S meets or exceeds that required for Category IV Irradiator sources. The following modifications to NR-1235-S-101-S would be necessary:

1. Page 1. Principal Use – Add (M) Gamma Irradiation, Category IV
2. Page 2. Second Paragraph. Change to read:

The Model INIS-SF-X.X-YY-Z Series consists of four sealed source models. Model INIS-SF-X.X-YY-AD is for use in teletherapy devices. Models INIS-SF-X.X-YY-J, INIS-SF-X.X-YY-K, INIS-SF-X.X-YY-L, and INIS-SF-X.X-YY-M are for use in Category I, Category II, Category III and Category IV irradiators, respectively.

3. Page 2. Isotope and Maximum Activity Table. Add as last row:

INIS-SF-X.X-YY-M	Co-60	(b)(2)High
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Should you have any questions, please contact me by phone at (208) 524-5300 or by email at [jjmiller@intisoid.com](mailto:jjmiller@intisoid.com).

Sincerely,

John J. Miller, CHP  
Radiation Safety Officer

cc. Letter File JJM-2006-02

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