



71-3082

International Isotopes Inc.

August 14, 2008

Christopher Staab
U.S. Regulatory Commission
Mail Stop E3 D2M
Washington, DC 20555-0001

Subject: Request for Review and Approval of the AUS/2007-13/B(U)-96 Model 1860 Container

Dear Mr. Staab:

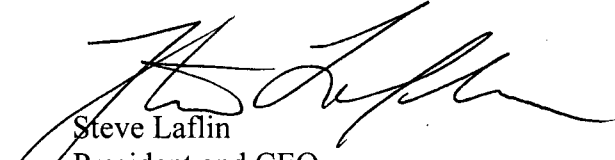
John Miller, our company Radiation Safety Officer, recently met with you to discuss the status of your review and approval for use of the above mentioned container. Certainly the container is required for our commercial activities but what Mr. Miller may not have explained is the serious humanitarian need for this container as well.

INIS intends to use this container to distribute cobalt therapy sources into Brazil and several other South American countries. The growing populations in these areas, and lack of appropriate cancer therapy devices, is creating a growing humanitarian problem. Our distributor and several hospitals in Brazil inform us that because of the lack of cobalt units most hospitals are relying on a limited number of linac's for therapy purposes and they are treating patients until 2AM everyday. Even with these expanded schedules the hospitals still report a patient waiting list with 350 names. Several other clinics in the Sao Paulo area report similar patient overloads and the situation in other hospitals and clinics thought the rest of Brazil is about the same. The current Brazilian population is about 20 million which can be expected to equate to an additional 1-2 million cancer cases per year and many of those will require radiation therapy.

There is no question that the engineering design of the 1860 must be robust and certainly warrants a thorough and rigorous review. The purpose of this letter is only to request that the review be completed as expeditiously as possible in order that therapy source deliveries can commence as soon as practical.

Your consideration of this request is greatly appreciated.

Sincerely,



Steve Laflin
President and CEO
INTERNATIONAL ISOTOPES, INC

STL-2008-41

KMSO1
KMS