



The University Of Chicago
.Risk Management, Audit and Safety.
Office of Radiation Safety
5841 South Maryland Avenue
MC 2106 Room M-031A
Chicago, Illinois 60637

Steven Beaudoin
Director,
Safety & Environmental Affairs/Office of Radiation Safety

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January 11, 2006

Ms. Margaret M. Doane
Deputy Director
Office of International Programs
US Nuclear Regulatory Commission
Mail Stop: 0-4E21
11555 Rockville Pike
Rockville, Maryland 20852

Re: Import License Application for Cs-137 Research Irradiator Manufactured
and Shipped by MDS Nordion, Inc. in Canada

Dear Ms. Doane:

The University of Chicago is requesting an import radioactive material license from the Nuclear Regulatory Commission for a Cs-137 researcher irradiator from MDS Nordion, Inc. in Kanata Ontario, Canada. The following information is being provided as described in 10 CFR 110.32.

1. Name and Address of Applicant:

The University of Chicago
Office of Radiation Safety
5841 South Maryland Avenue
Room: M-031A, MC 2106
Chicago, IL 60637

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2. Name and address of supplier or equipment or material:

MDS Nordion, Inc.
447 March Road
Kanata, Ontario
Canada K2K 1X8

3. Country of origin of equipment or material, and any other countries that have processed the material prior to its import into the U.S.

Canada

4. Names and addresses of all intermediate and ultimate consignees, other than intermediate consignees performing shipping services only.

MDS Nordion, Inc. has indicated that shipment will be completed using their approved shipping procedures and services

5. Dates of proposed first and last shipments:

MDS Nordion, Inc. has indicated that the tentative shipping date will be sometime in [REDACTED]. Therefore, we expect the shipment to occur between [REDACTED]. This will be a one-time shipment of a new Cs-137 research irradiator. Nordion requires that all licenses be provided to them six weeks prior to shipment. Since, this irradiator will be placed within a Vivarium that does not currently have an irradiator, it is very important to the research community at the University that the shipment not be delayed from the tentative shipping date of [REDACTED].

6. Description of the equipment or material:

- a. Cs-137, Sealed Source (Nordion, model C440).
- b. Two Cesium-137 sources with a nominal source activity of [REDACTED] each with a total nominal activity of [REDACTED] per MDS Nordion, Inc. information.
- c. The sources will be contained in a MDS Nordion, Inc. Gammacell 40 Exactor Self-Contained Low Dose Rate Research Irradiator.
- d. The purpose of use will be for irradiation of animals within the Vivarium within the Center for Integrative Sciences (CIS) at 929 East 57th Street, Chicago, IL 60637. The CIS is located on the University of Chicago campus.

7. Enclosed is a copy of the University Of Chicago radioactive material license # IL-01693-01, Amendment No. 11 issued by the IEMA, Division of Nuclear Safety authorizing receipt and possession of the radioactive material to be imported to the University of Chicago.
8. Enclosed is a check in the amount of \$2,400.00 for the import licensing fee.

If you have any questions regarding this request or need additional information, please contact James Marsicek, the University of Chicago Radiation Safety Officer (773) 702-6299.

Sincerely,



Steven Beaudoin
Director, Safety & Environmental Affairs/Office of Radiation Safety