



PHARMAFRONTIERS

| A Revolution in Cell Differentiation

Donna R. Rill, BS, MT (ASCP)

Vice President of Operations
PharmaFrontiers Corp.
2635 N Crescent Ridge Drive
The Woodlands, TX 77381
281-719-3456 (phone)
281-872-8585(fax)
drill@pharmafrontiers.net

February 20, 2006

Ms. Margaret M. Doane,
Deputy Director
Office of International Programs
Mail Stop: 4E21
U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, Maryland
20852-2738

Re: Radiation Import License

Dear Ms. Doane,

I am writing requesting an import license for PharmaFrontiers Corp. We have placed an order for a Gammacell 3000 Elan Model I Irradiator (Cs₁₃₇ sealed source, Nordion model C3001) with MDS Nordion. Below is the information as required by 10 CFR Part 110.32.

a) Name and address of applicant.

PharmaFrontiers Corp
c/o Donna R. Rill
2635 N Crescent Ridge Drive
The Woodlands, TX 77381
281-719-3456 (phone)
drill@pharmafrontierscorp.com

b) Name and address of supplier of equipment or material.

MDS Nordion
447 March Road
Ottawa, Ontario
K2K 1X8
Canada

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

The Gammacell 3000 is manufactured in Canada.

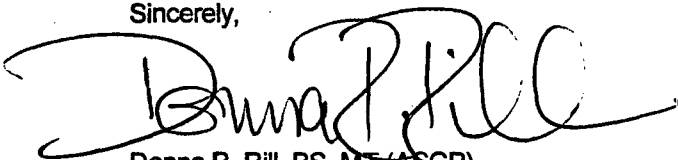
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- d) Names and addresses of all intermediate and ultimate consignees, other than intermediate consignees performing shipping services only.
PharmaFrontiers Corp
2635 N Crescent Ridge Drive
The Woodlands, TX 77381
- e) Dates of proposed first and last shipments.
The anticipated shipping date is April 1, 2006. This is the only shipment to be made.
- f) Description of the equipment or material including, as appropriate, the following:
- a. Maximum quantity of material in grams or kilograms (terabequerels or TBq for by product material) and its chemical and physical form.
Caesium 137
Activity of the Gammacell 3000 [REDACTED]
Chemical form: Element
Physical form: Solid
Total \$ Value [REDACTED]
 - b. Description of end use by all consignees in sufficient detail to permit accurate evaluation of the justification for the proposed export or import, including the need for shipment by the dates specified.
PharmaFrontiers Corp will use the self-shielded Gammacell 3000 to reliably deliver controlled dose of radiation to blood samples for medical purposes. The Gammacell 3000 may also be used for other non-medical application to irradiate samples.
 - g) For proposed imports of material listed in Table 1 of Appendix P to this part, a copy of the applicant's authorization to receive and possess the radioactive material to be imported for each recipient.
A copy of our site license and a check for the associated fee is enclosed.

Please call or email if additional information is needed and I will provide immediately. Thank you for your time.

Sincerely,



Donna R. Rill, BS, MT (ASCP)
Vice President of Operations