



IRT
Corporation

Instrumentation / Research / Technology

October 14, 1982

Mr. R. Neal Moore, Senior Licensing Officer
Office of International Programs
Export/Import and International Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Moore:

Enclosed are two NRC form 7's, Application for License to Export Nuclear Material and Equipment. One application concerns special nuclear material and by-product material; the other application concerns nuclear equipment. The ultimate consignee is the same for all materials and equipment, and Ms. Wright of your office indicated that separate licenses are required for material and equipment.

The special nuclear material to be exported is the identical material we recently received from Nuclear Fuels Industries, Ltd. of Tokai, Japan under Import License ISNM 82023. It is being returned in the same form as received. The by-product (transuranium) material is Californium-252 in the form of sealed sources. The Californium-252 is used as a source of neutrons for the equipment covered in the other application.

The nuclear equipment is an IRT automated fuel rod scanner, Model AFRS-120. The system consists of an irradiator/shield assembly, a detection system, a loading and unloading assembly and a computerized data analysis and display system. It also utilizes a 2 curie cesium-137 sealed source which is exportable under the general license provided by 10CFR110.24. This equipment appears to fall under category d of 10CFR110 Appendix A. All sources are shipped separately - not within the equipment.

7650 Convoy Court • P.O. Box 80817 • San Diego, California 92138
714 / 565-7171 • Telex: 69-5412

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This equipment will be installed by IRT Corporation at Nuclear Fuels Industries, Ltd., Tokai works. It will be used as a quality control instrument for determining UO₂ pellet loading of finished reactor fuel rods.

Thank you for your prompt attention. If you have any questions or need additional information, please call me at (714) 565-7171, ext. 378.

Sincerely,

K L Crosbie

K. L. Crosbie, P.E.
Radiation Safety Officer

KLC/jml

Enclosures: NRC Form 7 (2)