

December 21, 2004

Mr. Marc-Andre Charette
Manager, Regulatory Affairs
MDS Nordion
447 March Road
Ottawa, ON K2K 1X8
Canada

SUBJECT: QUALITY ASSURANCE PROGRAM APPROVAL FOR RADIOACTIVE
MATERIAL PACKAGES NO. 0703

Dear Mr. Charette:

Enclosed is the Quality Assurance (QA) Program Approval for Radioactive Material Packages No. 71-0703, Revision No. 7. This Approval satisfies the requirements of 10 CFR 71.75(b) [formerly 71.12(b)] and 71.101(c)(1) for a QA Program approved by the U.S. Nuclear Regulatory Commission.

This Approval will remain in effect until the expiration date, indicated in Block No. 3. Please note that in accordance with NRC Regulatory Information Summary 2004-18 (issued on December 1, 2004) we have extended your expiration date in Block No. 3 of the approval form. Termination of your materials license does not cause this Approval to be automatically terminated. If you wish to renew, amend, or terminate this Approval, please request it in writing.

Sincerely,
/RA/

Robert J. Lewis, Chief
Transportation and Storage Safety
and Inspection Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

Docket No.: 71-0703

Enclosure: QA Program Approval No. 0703, Rev. 7

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Enclosure: QA Program Approval No. 0703, Rev. 7 **ML043630268**

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| OFC: | SFPO | E | SFPO | E | SFPO | E | | |
| NAME: | RTemps | | MDeBose | | RLewis | | | |
| DATE: | 11/30/04 | | 11/30 /04 | | 12/21 /04 | | / / | |

OFFICIAL RECORD COPY

0703

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**QUALITY ASSURANCE PROGRAM APPROVAL
FOR RADIOACTIVE MATERIAL PACKAGES**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974, as amended, and Title 10, Code of Federal Regulations, Chapter 1, Part 71, and in reliance on statements and representations heretofore made in Item 5 by the organization named in Item 2, the Quality Assurance Program identified in Item 5 is hereby approved. This approval is issued to satisfy the requirements of Section 71.101 of 10 CFR Part 71. This approval is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

| | | | | |
|----------------------------------|--------------|---------------------|-------------------------------------|--|
| 2. NAME MDS Nordion | | | 3. EXPIRATION DATE July 31, 2010 | |
| STREET ADDRESS 447 March Road | | | 4. DOCKET NUMBER 71-0703 | |
| CITY Ottawa, Ontario | STATE CAN | ZIP CODE K2K 1X8 | | |

5. QUALITY ASSURANCE PROGRAM APPLICATION DATE(S)
June 30, 2000, November 30, 2001, February 5, 2003, and October 29, 2004

6. CONDITIONS
- Domestic shipments (shipments which originate and terminate within the United States) in packages which a foreign national competent authority certificate has been revalidated by the United States Department of Transportation are not authorized.
 - Activities conducted regarding transportation packagings are to be executed under applicable criteria of 10 CFR Part 71, Subpart H. Authorized activities include: design, procurement, fabrication, assembly, testing, modification, maintenance, repair, and use of transportation packagings.
 - Records shall be maintained in accordance with the provisions of 10 CFR Part 71. Specifically:
 - Records of each shipment of licensed material shall be maintained for 3 years after that shipment [10 CFR 71.91(a)].
 - Records providing evidence of packaging quality shall be maintained for 3 years after the life of the packaging [10 CFR 71.91(d)].
 - Records describing activities affecting packaging quality shall be maintained for 3 years after this Quality Assurance Program Approval is terminated [10 CFR 71.135].
 - Planned and periodic audits of all aspects of the Quality Assurance Program shall be conducted in accordance with written procedures or checklists, by appropriately trained personnel not having direct responsibility in the areas being audited, in accordance with 10 CFR 71.137.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

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|-------------------|--------------------|
| SIGNATURE /RA/ | DATE 12/21/2004 |
|-------------------|--------------------|

ROBERT J. LEWIS, CHIEF
TRANSPORTATION AND STORAGE SAFETY AND INSPECTION SECTION
SPENT FUEL PROJECT OFFICE
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS