

MATERIALS LICENSE

Amendment No. 04

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purposes(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and 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.

Licensee

1. Nucletron Corporation

2. 7080 Columbia Gateway Drive
Columbia, Maryland 21046-2133In accordance with the letter dated
July 19, 1996,3. License Number 19-28772-01 is amended in
its entirety to read as follows:

4. Expiration Date March 31, 2003

5. Docket or
Reference No. 030-328426. Byproduct, Source, and/or
Special Nuclear Material7. Chemical and/or Physical
Form8. Maximum Amount that Licensee
May Possess at Any One Time
Under This License

A. Iridium 192

A. Sealed sources
(Byk Mallinckrodt Model
CI-L-BV and BV
Mallinckrodt Model CI-2)

A. Not applicable

B. Cesium 137

B. Sealed sources
(Amersham Model CDC.SP1
and CDC K series)

B. Not applicable

C. Cobalt 60

C. Sealed sources
(Amersham Model CDC.SP1)

C. Not applicable

9. Authorized use

- A. For possession incident to the installation, maintenance, repair, and source exchange of Nucletron MicroSelectron-HDR and MicroSelectron-PDR remote afterloading devices.
- B. For possession incident to the installation, maintenance, repair and source exchange at Nucletron MicroSelectron-LDR and Selectron-LDR remote afterloading devices.
- C. For possession incident to the installation, maintenance, repair and source exchange of Nucletron Selectron-HDR remote afterloading devices.

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PDR ADOCK 03032842
C PDR

CONDITIONS

10. Licensed material may be used only at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. A. Licensed material shall be used by, or under the supervision of, Hal Archibald, Jim Cowan, G. Kagan Ertugrul, Dave Glessner, Charles Hicks, Mark Irvin, Chuck Jones, Perry Koonce, E.J. Kromhout van der Meer, Brent Loudy, C. Mellink, Chris Scott, Jason Shirdon, M. Slot, Arno Rood, G.J. ten Brinke, Chuck Tow, Larry Vincent, A. Casey Valentine and Michael Cierniak.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

19-28772-01

Docket or Reference Number

030-32042

Amendment No. 04

(11.B. continued)

CONDITIONS

B. The Radiation Safety Officer for this license is Ovila J. Dionne, Jr.

12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.

13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.

B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.

C. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.

E. Sealed sources and detector cells need not be leak tested if:

(i) they contain only hydrogen 3; or

(ii) they contain only a gas; or

(iii) the half-life of the isotope is 30 days or less; or

(iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or

(v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

19-28772-01

Docket or Reference Number

030-32842

Amendment No. 04

(13. Continued)

CONDITIONS

- G. The licensee is authorized to collect leak test samples for analysis by RSO, Inc. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material so that at no time is a quantity of radioactive material possessed in excess of a quantity which requires decommissioning funding in accordance with 10 CFR 30.35(d), 10 CFR 40.36(b), or 10 CFR 70.25(d).
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated July 3, 1992
 - B. Letter dated October 12, 1992
 - C. Letter dated December 2, 1992
 - D. Letter dated January 12, 1993
 - E. Letter dated February 24, 1993
 - F. Letter dated March 1, 1993
 - G. Letter dated July 11, 1994
 - H. Letter dated September 21, 1994

For the U.S. Nuclear Regulatory Commission

Original Signed By:

John R. McGrath

By

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

AUG 13 1996

Date _____

AUG 13 1996

Ovila J. Dionne, Jr.
Radiation Safety Officer
Nucletron Corporation
7080 Columbia Gateway Drive
Columbia, MD 21046-2133

Dear Mr. Dionne:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original Signed By:

John R. McGrath
Senior Health Physicist
Division of Nuclear Materials Safety

License No. 19-28772-01
Docket No. 030-32842
Control No. 123512

Enclosure:
Amendment No. 04

DOCUMENT NAME: R:\WPS\MLTR\L1928772.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	McGrath <i>JRM</i>						
DATE	07/31/96	07/	/96	07/	/96	07/	/96

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nucletron - Oldelft

Nucletron - Oldelft Corporation

7080 Columbia Gateway Drive
Columbia, Maryland 21046-2133

Telephone: 410-312-4100

Fax: 410-312-4199

19 July, 1996

030-32842

John R. McGrath
Senior Health Physicist Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

RE: Amendment Request for Radioactive Materials License No. 19-28772-01

Dear Mr. McGrath:

Please accept this letter as a request to amend Nucletron-Oldelft Corporation's NRC Radioactive Materials License No. 19-28772-01 with the following changes:

1. Effective September 1, 1996, Nucletron-Oldelft Corporation will officially change the company's name back to **Nucletron Corporation**.
2. Please **remove** the following engineers under condition 11A. as licensed source handlers for he is no longer employed with the company:

Ben Vaughn

Also enclosed is a check in the amount of \$ 590.00 to cover the cost of amendment fees.

If any additional information is needed or if you have any questions, please contact me directly at 410-312-4100 ex 4119.

Respectfully submitted,

Ovila J. Dionne, Jr.
NUCLETRON-OLDELFT CORPORATION

123512

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JUL 30 1996

TELEPHONE CONVERSATION RECORD		Date: 8/1/96	Time: 0900
Mail Control No.: 123512		License No.: 19-28772-01	Docket No.: 030-32842
Person Called: Skip Dionne		Organization: Nucletron	Telephone Number: 410-312-4100
Person Calling:			
Subject: Amendment request			
Summary: Confirmed that the name change does not represent a change in ownership of the company.			
Action Required/Taken: Issue amendment			
Signature: <i>John R. McQuate</i>		Date: 8/1/96	

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03225
STATUS CODE: 0
FEE CATEGORY: 3N
EXP. DATE: 20030331
FEE COMMENTS: -----
DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: NUCLETRON-OLDELT CORPORATION
RECEIVED DATE: 960730
DOCKET NO: 3032842
CONTROL NO.: 123512
LICENSE NO.: 19-28772-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$590.00
CHECK NO.: 012378

3. COMMENTS

SIGNED M. A. Perkins
DATE 7/31/96

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1)

1. FEE CATEGORY AND AMOUNT: 3N 8570

2. CORRECT FEE PAID- APPLICATION MAY BE PROCESSED FOR:

AMENDMENT -----
RENEWAL -----
LICENSE -----

3. OTHER -----

SIGNED _____
DATE _____

Aug 7 1996
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8/8/96
BB

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