

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

34-18595-01

Docket or Reference Number

030-13913

Amendment No. 04

301755

City of Canton Water Department
2664 Harrisburg Road N.E.
Canton, OH 44705

In accordance with NRC Form 314 "Certificate of Disposition" dated August 15, 1996,
License Number 34-18595-01 is hereby terminated.

TERMINATED

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 25 August 1996

By William P. Reinhold
Nuclear Materials Licensing Branch, Region III

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PDR ADDCK 03013913
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(FOR LFMS USE)
INFORMATION FROM ITS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03123
Status Code: 0
Fee Category: 3P
Exp. Date: 20040228
Fee Comments:
Decom Pin Assur Req'd: N

57

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: CANTON, CITY OF
Received Date: 960821
Docket No: 3013913
Control No.: 301755
License No.: 34-18595-01
Action Type: Termination

2. FEE ATTACHED

Amount: 0
Check No.: 0

3. COMMENTS

Signed
Date

D. Hersey
8-23-96

B. LICENSE FEE MANAGEMENT BRANCH (Check which fee category is entered. /)

1. Fee Category and Amount: 3P

FEE EXEMPT

2. Correct Fee Paid. Application may be processed for:

Amendment ✓
Renewal
License

3. OTHER

Signed
Date

SC
8/27/96

1996 AUG 26 AM 11:20

SEP 03 1996

Log	<u>Aug 13 III</u>
Remitter	<u> </u>
Check No.	<u> </u>
Amount	<u> </u>
Fee Category	<u>3P</u>
Type of Fee	<u>AMD</u>
Date Check Rec'd	<u>8/27/96</u>
Date Completed	<u>8/27/96</u>
By:	<u>SC</u>

(6-95)

10 CFR 30.36(c)(1)(iv)

10 CFR 40.42(c)(1)(iv)

10 CFR 70.38(c)(1)(iv)

CERTIFICATE OF DISPOSITION OF MATERIALS

INSTRUCTIONS: ALL ITEMS MUST BE COMPLETED - PRINT OR TYPE
SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SPECIFIED ON THE REVERSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS MANDATORY INFORMATION COLLECTION REQUEST: 30 MINUTES. THIS SUBMITTAL IS USED BY NRC AS PART OF THE BASIS FOR ITS DETERMINATION THAT THE FACILITY HAS BEEN CLEARED OF RADIOACTIVE MATERIAL BEFORE THE FACILITY IS RELEASED FOR UNRESTRICTED USE. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0028), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503. AN AGENCY MAY NOT CONDUCT OR SPONSOR, AND A PERSON IS NOT REQUIRED TO RESPOND TO, A COLLECTION OF INFORMATION UNLESS IT DISPLAYS A CURRENTLY VALID OMB CONTROL NUMBER.

LICENSEE NAME AND ADDRESS

City of Canton Water Department
2664 Harrisburg Rd. N.E.
Canton, OH 44705

LICENSE NUMBER

34-18595-01

LICENSE EXPIRATION DATE

Feb. 28, 2004

A. MATERIALS DATA (Check one and complete as necessary)

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT:
(Check and/or complete the appropriate item(s) below.)

- ☐ 1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE.
- OR
- ☒ 2. ALL ACTIVITIES AUTHORIZED BY THE LICENSE HAVE CEASED AND ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSE NUMBER CITED ABOVE HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER. (If additional space is needed, use the reverse side or provide attachments.)

Describe specific material transfer actions and, if there were radioactive wastes generated in terminating this license, the disposal actions including the disposition of low-level radioactive waste, mixed waste, Greater-than-Class-C waste, and sealed sources, if applicable.

Sent Nickel-63 foil source contained in a Perkin Elmer Corp. Detector Cell Model NO. 330-0119 To NRD Div., 2937 Alt Blvd, North Grand Island, New York 14072 for disposal on Sept 11, 1995.

For transfers, specify the date of the transfer, the name of the licensee recipient, and the recipient's NRC license number or Agreement State name and license number.

Date of transfer: September 11, 1995
Transferred To: NRD Div, 2937 Alt Boulevard, North Grand Island, New York 14072
New York State License No. 1391-1811

If materials were disposed of directly by the licensee rather than transferred to another licensee, licensed disposal site or waste contractor, describe the specific disposal procedures (e.g., decay in storage)

B. OTHER DATA

- ☒ 1. OUR LICENSE HAS NOT YET EXPIRED; PLEASE TERMINATE IT.
2. A RADIATION SURVEY WAS CONDUCTED BY THE LICENSEE TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE. (Check one)
- ☐ NO (Attach explanation)
- ☒ YES, THE RESULTS (Check one)
- ☒ ARE ATTACHED, or
- ☐ WERE FORWARDED TO NRC ON (Date)

FEE EXEMPT

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME Tyler S. Converse

TELEPHONE NUMBER
(Include Area Code)

330-489-3035

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

Tyler S. Converse
2664 Harrisburg Rd NE
Canton, OH 44705

RECEIVED

AUG 21 1996

301755

CERTIFYING OFFICIAL

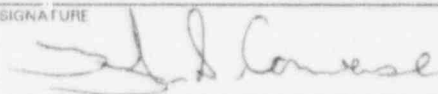
REGION III

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

Tyler S. Converse
Chief Chemist

SIGNATURE



DATE

8-15-96

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTIONS.

Canton Water Department

2664 Harrisburg Rd. N. E. • Canton, Oh 44705 • (330) 489-3035 • Fax: (330) 489-3073

August 15, 1996

U. S. Nuclear Regulatory Commission
Materials Licensing Section
801 Warrenville Rd.
Lisle, IL 60532-4351

Dear Sir or Madam:

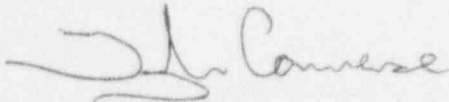
Enclosed is NRC Form 314 and accompanying documentation requesting official cancellation of our U.S.NRC Materials License, No. 34-18595-01, docket No. 030-13913.

The Nickel-63 detector cell was sent from the Canton Water Dept., Canton, Ohio to NRD Div., N. Grand Island, New York for disposal. (see accompanying documentation)

Based on wipe test results, the Nickel-63 foil has been a none leaking source throughout it's history at the Canton Water Department. (see accompanying documentation)
To the best of my knowledge, no radioactive source material or contamination remains at the Canton Water Department.

If any further information is needed for license cancellation, please contact me.

Sincerely,



Tyler Converse
Chief Chemist

F:\WATER\LAB\DATA\NRCLTTR.WPD

AUG 21 1996

NRD Inc. A Subsidiary of Mark IV Industries Inc.

2927 Alt Blvd. North - Grand Island, New York 14072
 Fax 716-773-7744 Telephone: 716-773-7634

NRD

SOLD TO ☐ City of Canton, Ohio
 Administration - Canton Water Dept.
 PO Box 7904
 Canton OH 44705

SHIP TO ☐ City of Canton, Ohio
 Canton Water Dept - Dennis J. Alper
 PO Box 7904
 Canton OH 44705

003791

02/21/95

CUSTOMER P.O. NRD S.O.

DATE OF ANALYSIS
 02/24/95

1 Set Wipe Test Results

\$ 50.00

\$ 50.00

S/N 1852

Wipes Taken: 02/17/95

LEAK TEST CERTIFICATE

NUMBER OF SAMPLES ANALYZED (3)
 LEAK TEST METHOD Wipe Test
 RADIOACTIVE MATERIAL Ni-63
 PERSON PERFORMING TEST Gregory McClellan ANALYSIS
 SAMPLE ANALYZED IN A (X) WINDOWLESS GAS FLOW PROPORTIONAL COUNTER
 () ALPHA SCINTILLATION COUNTER
 () LIQUID SCINTILLATION COUNTER
 () OTHER _____

TESTS ARE WITHIN PRESCRIBED LIMITS
 GREATER THAN PRESCRIBED LIMITS

(X)
 ()

TEST RESULTS

WIPE NUMBER	MODEL NUMBER	SERIAL NUMBER	MICROCURIES / SAMPLES
Entrance	ECD	1852	Less than .0001 uCi
Housing	ECD	1852	Less than .0001 uCi
Exit	ECD	1852	Less than .0001 uCi

SIGNED Eugene Oleksy
 TITLE Eugene Oleksy, Health Physicist
 DATE 02/24/95

NRD

DIV.

2937 Alt Boulevard, North Grand Island, New York 14072

Telephone (716) 773-7634

Telex 91 578

DATE 9/26/95

TO WHOM IT MAY CONCERN

We are in receipt of:

Device and Model# PERKIN ELMER ELECTRON CAPTURE CELL
Serial # 352
Isotope Ni63
Content 10 MILLICURIES
Date of Manufacture UNKNOWN

Returned to NRD for:

Special Modification
Wipe Test
Repair, renovation, and return
Waste Disposal X

(service performed under
New York State License
1391-1811)

By:

Firm Name: CITY OF CANTON, OHIO
Address: CANTON WATER DEPT.
2664 HARRISBURG NE
CANTON, OH 44705

Condition of Material Received:

Good X Other
Complete X Incomplete

Very truly yours,

Eugene Oleksy Idg
Eugene Oleksy, Health Physicist

NRD INC.**RETURN SHIPPING INSTRUCTIONS FOR ELECTRON CAPTURE DETECTOR (ECD)
CONTAINING RADIOACTIVE MATERIAL**

As a guide to proper packaging and shipping procedure, please follow this outline:

1. Read these instructions completely before proceeding.
2. Referring to **49CFR 173.422**, radioactive materials in a non-dispersable solid form as part of a component of instrument are excepted from the specification packaging. This means that you may use your own packaging for shipment to NRD, Inc.; the instrument must be packaged in a strong, tight package so that there will be no leakage of radioactive materials under normal transportation conditions (per **49CFR 173.421**)
3. Radiation level at any point on the external package must not exceed 0.5 milliREM per hour (if the instrument contains the radioactive material ^{63}Ni with an activity of 10 or 15 milliCurie, the external package reading will be less than 0.5 milliREM per hour).
4. Radiation level at any point on the external package must not exceed 0.5 milliREM/hour. The non-fixed or removable radioactive contamination on the external surface should not exceed the limits specified in **49CFR 173.443** and shall be kept as low as practicable. This is done by wiping an area of 300 cm² with moderate pressure on the surface using an absorbent material such as a filter paper in the most appropriate locations to yield a representative assessment of the non-fixed contamination. For ^{63}Ni do not exceed 22 dpm/cm² (disintegrations per minute/cm²).
5. Package limits should not exceed the relevant limit per **TABLE 7 CFR 173.423**. For ^{63}Ni the limit is 1.0 Curie (or 10⁻² A2).
 - A. On the ECD cell there should be a tag indicating the Model #, Serial #, isotope, and activity of the instrument (in milliCuries).
 - B. Please note that most capture detectors contain 10 or 15 milliCuries of ^{63}Ni as a solid, although you should identify the content and activity by the instrument label.
6. Before offering the package for transportation, be sure that all seams and flaps are taped closed so that there are no opening and ensure that the markings conform to the following:

**THIS PACKAGE CONFORMS TO THE CONDITIONS AND
LIMITATIONS SPECIFIED IN 49CFR 173.422 FOR EXCEPTED
RADIOACTIVE MATERIAL, INSTRUMENTS, AND ARTICLES
UN2910**

Note: No other markings are required unless you are shipping via Air Freight. This requires the excepted package statement to be indicated on the airway Bill of Lading as well as the package. DO NOT SHIP VIA US MAIL!

7. All packages should be sent prepaid to the address shown on the upper right corner of this form.

Shipped sealed source

Disposal \$100.00

216 489-3073

Doris Alpert

MATERIALS LICENSE

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, 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 purpose(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. City of Canton Water Department

2. 2664 Harrisburg Road N.E.
Canton, OH 44705In accordance with application dated
December 22, 19933. License number 34-18595-01 is renewed
in its entirety to read as follows:

4. Expiration date February 28, 1999

5. Docket or
Reference No. 030-139136. 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. Nickel-63

A. Foil Source contained
in a Perkin Elmer Corp.
Detector Cell Model
No. 330-0119.A. 5 sources not to
exceed 15 millicuries
each

9. Authorized Use:

A. To be used in Perkin Elmer Corp. gas chromatograph for sample analysis.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 2664 Harrisburg Road Northeast, Canton, Ohio.
11. Licensed material shall be used by, or under the supervision of, Donis L. Alpeter, Tyler S. Converse or Christopher R. Boehm.
12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
13. Maintenance, repair, cleaning, replacement, and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
15. Except as otherwise specified in this license, the licensee shall have available and follow the instructions contained in the manufacturer's instruction manual for the chromatography device.

COPY 5

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

34-18595-01

Docket or Reference number

030-13913

Amendment No. 03

16. 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 specified by the certificate of registration referred to in 10 CFR 32.210.
- 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 leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Sealed sources need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive 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 transferred 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.
- E. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. 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 in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately 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 III, ATTN: Chief, Nuclear Materials Safety Branch, 801 Warrenville Road, Lisle, Illinois 60532-4351. The report shall specify the source involved, the test results, and corrective action taken.
- F. The licensee is authorized to collect leak test samples for analysis by Nuclear Radiation Development, 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.

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

34-18595-01

Docket or Reference number

030-13913

Amendment No. 03

17. 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 U.S. 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 December 22, 1993.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date FEB 24 1994

By Deborah A. Fiskina
Materials Licensing Section, Region III

COPY

SEP 26 1996

Tyler S. Converse
Chief Chemist
City of Canton Water Department
2664 Harrisburg Road N.E.
Canton, OH 44705

Dear Mr. Converse:

Enclosed is Amendment No. 04 which terminates your NRC License Number 34-18595-01 in accordance with your request.

If you have any questions or require clarification on any of the information stated above, you may contact us at (630) 829-9887.

Sincerely,

Original Signed By
W. P. Reichhold
Nuclear Materials Licensing Branch

License No.: 34-18595-01
Docket No.: 030-13913

Enclosure: Amendment No. 04

DOCUMENT NAME: M:\03013913.T6

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OFFICE	DNMS/RIII <i>WR</i>								
NAME	WPREICHHOLD:jaw								
DATE	09/25/96								

OFFICIAL RECORD COPY

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