

## MATERIALS LICENSE

Amendment No. 07

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 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 1E3 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		In accordance with letter dated December 4, 1996	
1. City of Appleton Department of Utilities Wastewater Division		3. License Number 48-18213-01 is amended in its entirety to read as follows:	
2. 2006 East Newberry Street Appleton, WI 54915		4. Expiration Date July 31, 2003	
		5. Docket or Reference No. 030-14982	
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License	
A. Nickel-63	A. Plated source (To be used in Hewlett-Packard Model 18803-60520 Detector Cell)	A. One cell not to exceed 15 millicuries	
B. Cesium-137	B. Sealed source (Texas Nuclear Model 57157C)	B. One source not to exceed 200 millicuries	
C. Cesium-137	C. Sealed source (Texas Nuclear Model 57157C)	C. One source not to exceed 500 millicuries	

## 9. Authorized Use:

- A. To be used in Hewlett-Packard gas chromatographs for sample analysis.
- B. To be used in Texas nuclear model 5034 Belt Weigh scale gauge for density measurement.
- C. To be used in Texas Nuclear Model 5202 source holder for density measurements of sludge.

CONDITIONS

- 10. A. Licensed material listed in Subitem 6.A. shall be used only at the licensee's facility located at 2006 East Newberry Street, Appleton, Wisconsin.

9702050209 961227  
PDR ADOCK 03014982  
C PDR

050100

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

48-18213-01

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- B. Licensed material listed in Subitems 6.B. and 6.C. shall be used only at the City of Appleton's Wastewater Treatment Plant located along the Fox River, 1½ blocks east of Telulah Park and 2 blocks north of Newberry Avenue, Appleton, Wisconsin.
11. A. Licensed material listed in Subitem 6.A. shall be used by, or under the supervision of individuals who have been designated by the licensee's Radiation Safety Officer.
- B. Licensed material listed in Subitems 6.B. and 6.C. shall be used by or under the supervision of individuals who have been trained on the uses of the gauges by the device manufacturer and who have been designated by the licensee's Radiation Safety Officer. The licensee shall maintain records of the individuals who have been designated as authorized users.
- C. The Radiation Safety Officer for this license is Steve Neville.
12. 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. 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 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

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- (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.
- F. The leak 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 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, 801 Warrenville Road, Lisle, Illinois 60532, ATTN: Chief, Nuclear Materials Safety Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- G. The licensee is authorized to collect leak test samples for analysis by Sytec, Incorporated. 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.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. Installation, initial radiation survey, relocation, removal from service, maintenance, and repair of devices containing sealed sources and installation, replacement, and disposal of sealed sources shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services.
15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of the sources and/or devices, and the date of the inventory.

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16. 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.
17. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in 10 CFR 20.203(a)(1), the licensee is hereby authorized to label detector cells, containing licensed material and used in gas chromatography devices, with conspicuously etched or stamped radiation caution symbols.
18. 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.
19. The licensee shall maintain records of information related to decommissioning at Item 2 as specified in 10 CFR 30.35(g) until this license is terminated by the Commission.
20. 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 May 20, 1993;
- B. Fax received August 22, 1991; and
- C. Letter dated May 31, 1995.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

December 27, 1996

By

Leticia J. Leone

Nuclear Materials Licensing Branch, Region III

COPY



BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
INFORMATION FROM LTS

Program Code: 03120  
Status Code: 0  
Fee Category: 3P  
Exp. Date: 20030731  
Fee Comments:  
Decom Fin Assur Regd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: APPLETON, CITY OF  
Received Date: 961205  
Docket No: 3014982  
Control No.: 302114  
License No.: 48-18213-01  
Action Type: Amendment

2. FEE ATTACHED

Amount:  
Check No.:  $\phi$

3. COMMENTS

Signed  
Date

*D. Hersey*  
*12-11-96*

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered)

1. Fee Category and Amount: *3P* *\$300*

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

Amendment  
Renewal  
License

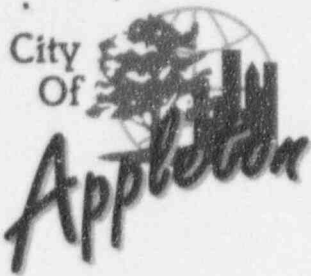
3. OTHER

Signed  
Date

*SC* *1/13/97*

JAN 16 1997

Log	<i>Dec 5 III</i>
Remitter	
Check No.	<i>298642</i>
Amount	<i>\$300</i>
Fee Category	<i>3P</i>
Type of Fee	<i>Amd</i>
Date Check Rec'd	<i>1/13/97</i>
Date Completed	<i>1/13/97</i>
By	<i>SC</i>



## DEPARTMENT OF UTILITIES

WASTEWATER DIVISION • CENTRAL BUILDING MAINTENANCE DIVISION

2006 East Newberry Street • Appleton, WI 54915  
414/832-5945 • 414/832-5514 • FAX 414/832-5949

December 4, 1996

030-14982

Ms. Patty Pelke  
NRC  
801 Warrenville Road  
Lisle, IL 60532

Attn: Materials Licensing Branch

RE: *NRC License #48-18213-01 - Transfer of R.S.O. - to Steve Neville*

Dear Mr. Pelke:

Due to the resignation of Steve Hetzel from the Appleton Wastewater Treatment Plant, it has become necessary to select a new Radiation Safety Officer.

Based on the experience I have acquired in working directly with Steve and the contractor performing the source wipes, and having done the source wipes for the past year, I have been selected as the new Radiation Safety Officer. Please update your records to reflect this change.

Along with my signature, you will find the signature of Duane Leaf, Director of Utilities for the Appleton Wastewater Treatment, who endorses this change.

Yours truly,

Steve Neville  
Instrumentation Technician

Duane Leaf  
Director of Utilities

pb

RECEIVED

DEC 05 1996

REGION III

302114

DEC 05 1996

Pm: 12-4-96

## LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH  
DIVISION OF ACCOUNTING AND FINANCE  
OFFICE OF THE CONTROLLER  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001CITY OF APPLETON  
ATTN: STEVE NEVILLE  
DIRECTOR OF UTILITIES  
2006 EAST NEWBERRY STREET  
APPLETON, WI 54915

## TYPE OF ACTION

- ☐ NEW LICENSE  
☐ RENEWAL OF LICENSE  
☒ AMENDMENT TO LICENSE

## REQUESTED DATE

12-4-96

## LICENSE NUMBER

48-18213-01

## CONTROL NUMBER

302114

## I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3P	\$	\$	\$ 300.00
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$

FEE(s) DUE	\$	300.00
PAYMENT RECEIVED	\$	0.00
AMOUNT DUE	\$	300.00

☒ Your request was received without the prescribed application fee.

☐ We received your Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_. Payment of the additional fee noted above is required.

☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

SIGNATURE -- LICENSE FEE ANALYST

LFDCB

LFDCB

Distribution:

Pending Fee File

LFARB R/F (2)

DATE

JAN 03 1997

Steve Neville  
Radiation Safety Officer  
City of Appleton  
Wastewater Division  
2006 East Newberry Street  
Appleton, WI 54915

Dear Mr. Neville:

Enclosed is Amendment No. 07 to your NRC Material License No. 48-18213-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Sincerely,

Original Signed By  
Patricia J. Pelke  
Nuclear Materials Licensing Branch

License No.: 48-18213-01  
Docket No.: 030-14982

Enclosure: Amendment No. 07

DOCUMENT NAME: M:\03014982.CL6

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII								
NAME	PPELKE:jaw								
DATE	12/21/96								

OFFICIAL RECORD COPY

302114





UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
801 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4351

December 16, 1996

Steve Neville  
Instrumentation Technician  
Radiation Safety Officer  
City of Appleton  
Department of Utilities  
Wastewater Division  
2006 East Newberry Street  
Appleton, WI 54915

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE (Letter Dated 12/04/96)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n) amendment:

Administrative deficiencies were identified during this initial review as outlined below. However, it should be noted that a technical review may identify additional omissions in the submitted information.

It appears that your request is routine (see 1-3 below as applicable).

Incomplete information is as follows: In order for us to complete your amendment request to change radiation safety officers the correct fee is necessary. Please contact our License Fee & Debt Collection Branch, which is located in our headquarters office, as referenced below, to obtain the correct fee amount.

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however under timely filing (before expiration) you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 302114  
License No. 48-18213-01