

## MATERIALS LICENSE

Amendment No. 08

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 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.

302223

Licensee		In accordance with letter dated January 14, 1997	
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. Cesium-137	A. Sealed source (Texas Nuclear Model 57157C)	A. One source not to exceed 200 millicuries	
B. Cesium-137	B. Sealed source (Texas Nuclear Model 57157C)	B. One source not to exceed 500 millicuries	
9. Authorized Use:			
A. To be used in Texas nuclear model 5034 Belt Weigh scale gauge for density measurement.			
B. To be used in Texas Nuclear Model 5202 source holder for density measurements of sludge.			

CONDITIONS

10. Licensed material 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. Licensed material 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.

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MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

48-18213-01

Docket or Reference Number

030-14982

Amendment No. 08

12. The Radiation Safety Officer for this license is Steve Neville.
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 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
  - (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.

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- 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.
14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. 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.
16. 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.
17. 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.

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18. 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.
19. 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.
20. 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.
21. 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 February 5, 1997

By

*Patricia J. Pelt*

Nuclear Materials Licensing Branch, Region III

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302223

## Licensee

1. City of Appleton  
Department of Utilities  
Wastewater Division
2. 2006 East Newberry Street  
Appleton, WI 54915

In accordance with letter dated  
January 14, 1997

3. License Number 48-18213-01 is amended in  
its entirety to read as follows:

4. Expiration Date July 31, 2003

5. Docket or  
Reference No. 030-14982

6. Byproduct, Source, and/or  
Special Nuclear Material

A. Cesium-137

B. Cesium-137

7. Chemical and/or Physical  
FormA. Sealed source  
(Texas Nuclear  
Model 57157C)B. Sealed source  
(Texas Nuclear  
Model 57157C)8. Maximum Amount that Licensee  
May Possess at Any One Time  
Under This LicenseA. One source not  
to exceed 200  
millicuriesB. One source not  
to exceed 500  
millicuries

## 9. Authorized Use:

- A. To be used in Texas nuclear model 5034 Belt Weigh scale gauge for density measurement.
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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.

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20. 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.
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  - 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

*February 5, 1997*

By

*Patricia J. Allen*

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 Req: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: APPLETON, CITY OF  
Received Date: 970117  
Docket No: 3014982  
Control No.: 302223  
License No.: 48-18213-01  
Action Type: Amendment

2. FEE ATTACHED

Amount: X  
Check No.: X

*X add. info*  
*30214 - R6*

3. COMMENTS

Signed *A. Hargay*  
Date 1/29/97

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

1. Fee Category and Amount: 3P FEE NOT REQUIRED

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

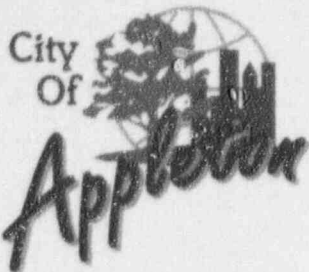
Amendment ✓  
Renewal         
License       

3. OTHER       

Signed *SC*  
Date 1/29/97

FEB 10 1997

RECEIVED BY LFDCB	
Date	<u>Jan 28, 1997</u>
Log	<u>Jan 10 III</u>
By	<u>SC</u>
Date Completed	<u>1/29/97</u>



## 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

January 14, 1997

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

Attn: Materials Licensing Branch

RE: *NRC License #48-18213-01 - Amendment Request*

Dear Ms. Pelke:

Please refer to the enclosed documentation to be considered additional information, and remove from our Materials License, Item 6(A) Nickel-63, 7(A) Plated source, and 8(A) One cell not to exceed 15 millicuries.

This unit was removed from the Plant and is in the possession of Hewlett-Packard Company.

Please note that this amendment should be processed under *Control #02114*.

Thank you for your attention to this matter.

Sincerely,

Steve Neville  
Radiation Safety Officer

SN/pab

Enc. (1)

*Cont'd W 302114*  
**FEE NOT REQUIRED**

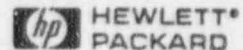
**RECEIVED**  
JAN 17 1997  
**REGION III**

*pm: 1-14-97*

*302223*  
JAN 17 1997

Hewlett-Packard Company  
Little Falls Site  
2850 Centerville Rd  
Wilmington, De. 19808

302-633-8000



January 7, 1997

Steve Neville

City of Appleton

Department of Utilities

2006 E. Newberry St.

Appleton, Wi 54915

Re: Acknowledgment of Receipt of Electron Capture Detector

Dear Customer,

This is to acknowledge that Electron Capture Detector(s), Serial Number(s),

\_\_\_\_\_C1062\_\_\_\_\_

were received on 6/6/95 and are in possession of the

Hewlett-Packard Company, Wilmington, De. U.S.A.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "John H. Hanson".

Hewlett Packard Company  
NRC License No. 07-28762-01

FEB 06 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. 08 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. 08

DOCUMENT NAME: M:\03014982.CL7

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	PJPelke:brt								
DATE	02/4/97								

OFFICIAL RECORD COPY

302223





UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
801 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4351

January 23, 1997

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

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE  
(Letter Dated 01/14/97)

Dear Licensee:

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

☐ New License                      ☒ Amendment                      ☐ Renewal  
☐ Termination                      ☐ Auth User (Amendment not required)  
☐ Other \_\_\_\_\_

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

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

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. 302223  
License No. 48-18213-01