



NRC FORM 314 (02-2017) 10 CFR 30.38(i)(1); 40 CFR 101.7; 70 CFR 101.7; and 72.54(a)(5)(i)(1)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3160-0028		EXPIRES: 02/29/2020	
 CERTIFICATE OF DISPOSITION OF MATERIALS				<small>Estimated burden per response to comply with this mandatory collection request 30 minutes. This submitted is used by NRC as part of the basis for its determination that the facility is licensed for unrestricted use. Send comments regarding burden estimate to the PRA, Privacy, and Information Collection Branch (1-6 FRS), U.S. Nuclear Regulatory Commission, Washington, DC 20545-0001, or by email to InformationCollection@nrc.gov, and to the Chief, Office of Information and Regulatory Affairs, NRC-1020, (505-0028), Office of Management and Budget, Washington, DC 20503. If a response is used to inform an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.</small>			
				LICENSEE NAME AND ADDRESS Fred B. Pease City of Muskegon-DPW-Engineering Department 1350 E. Keating Muskegon, MI 49442		LICENSE NUMBER 21-16304-01	
				LICENSE EXPIRATION DATE November 30, 2021			
A. LICENSE STATUS (Check the appropriate box) <input type="checkbox"/> This license has expired. <input checked="" type="checkbox"/> This license has not yet expired; please terminate it.							
B. DISPOSAL OF RADIOACTIVE MATERIAL (Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments) The licensee, or any individual executing this certificate on behalf of the licensee, certifies that: <input type="checkbox"/> 1. No radioactive materials have ever been procured or possessed by the licensee under this license. <input checked="" type="checkbox"/> 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner: <input checked="" type="checkbox"/> a. Transfer of radioactive materials to the licensee listed below: <input type="checkbox"/> b. Disposal of radioactive materials: <input type="checkbox"/> 1. Directly by the licensee: <input type="checkbox"/> 2. By licensed disposal site: <input type="checkbox"/> 3. By waste contractor: <input type="checkbox"/> c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.							
C. SURVEYS PERFORMED AND REPORTED <input type="checkbox"/> 1. A radiation survey was conducted by the licensee. The survey confirms: <input type="checkbox"/> a. the absence of licensed radioactive materials <input type="checkbox"/> b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA. <input type="checkbox"/> 2. A copy of the radiation survey results: <input type="checkbox"/> a. is attached; or <input type="checkbox"/> b. is not attached (Provide explanation): or <input type="checkbox"/> c. was forwarded to NRC on: _____ Date _____ <input checked="" type="checkbox"/> 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and <input checked="" type="checkbox"/> a. The results of the latest leak test are attached; and/or <input checked="" type="checkbox"/> b. No leaking sources have ever been identified.							
The person to be contacted regarding the information provided on this form:							
NAME Fred B. Pease		TITLE Radiation Safety Officer		TELEPHONE (Include Area Code) 231-724-6958		E-MAIL ADDRESS fred.pease@postman.org	
Mail all future correspondence regarding this license to: Brian O'Toole Domestic Sales Manager One Triangle Drive, Research Triangle Park, NC 27709 Ph. 919-875-8371 Mob. 919-740-6260							
C. CERTIFYING OFFICIAL I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT							
PRINTED NAME AND TITLE Fred B. Pease Radiation Safety Officer		SIGNATURE 			DATE 02/03/2020		
<small>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 RESPECT. 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 JURISDICTION.</small>							
<small>NRC FORM 314 (02-2017)</small>							

RECEIVED FEB 04 2020

From: Nano Albouveh
To: Fred Pease
Subject: Leak Test Results
Date: Tuesday, February 4, 2020 1:21:02 PM

FRED PEASE
CITY OF MUSKEGON (ENG DEPT)(MUSKEGON)

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Test Date: 1/20/2020
Gauge S/N: 32106

Source1: 47-5986 Reading 0.00018 (microCuries)
Source2: 750-7050 Reading 0.00000 (microCuries)

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source[°].
The source(s) tested above may remain in use.

[°]CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137.
InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137.

Troxler 4640 is 8 mCi Cs-137

Sincerely,

InstroTek, Inc.
(919)875-8371 Fax (919)875-8328
InstroTek <LeakTest@instrotek.com>

WARNING: This email originated outside of the City of Muskegon email system!
DO NOT CLICK links if the sender is unknown.
NEVER provide your User ID or Password.

instrotek, Inc.
4495 44th Street SE, Suite A
Grand Rapids, MI 49512
Ph: 616-726-6850
RML #32-32666-01
USNRC Region III

Return Authorization Number: 484188BMO

LETTER OF RECEIPT OF GAUGE / SEALED SOURCE

To Radioactive Material Licensing Agencies:

Instrotek, Inc. has taken possession of the following nuclear gauge(s). A certificate of leak test is on file.

Gauge Manufacturer	Model	Serial Number	Nuclide	Nuclide /Activity
Troxler	3440	32106	Cs-137 Am-241/Be	8 mCi 40 mCi

Gauge(s) transferred from: City of Muskegon, MI
Engineering Department
1350 Keating Avenue
Muskegon, MI 49443
RML #21-16304-01 (USNRC Region III)

Date of transfer: January 20, 2020


Brian O'Toole
Domestic Sales Manager
Instrotek, Inc.



InstroTek, Inc.
1 Triangle Drive, PO Box 13944
Research Triangle Park, NC 27709
(919)875-8371 Fax (919)875-8328

4/2/2020
Test Number: 12

FRED PEASE
CITY OF MUSKEGON (ENG DEPT) (MUSKEGON)
1350 KEATING AVE
MUSKEGON, MI 49442

Phone: (231)724-6958
Fax: (231)727-6904

LEAK TEST CERTIFICATE
NC Materials License #092-1073-1

This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Gauge S/N: 32106

Test Date: 1/20/2020

Source (Model/Serial#)	Reading in microCuries
47-5986	0.00018
750-7050	0.00000

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.° The source(s) tested above may remain in use.

Reviewed by: 

Date: 4-2-2020

Customer Signature: _____

Date: _____

°CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 8 mCi Cs-137.