

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION BUILDING
STATE HOUSE STATION 16 AUGUSTA, MAINE 04333

DANA F. CONNORS
Commissioner

ADDRESS REPLY TO: MATERIALS & RESEARCH DIVISION
BOX 1208, BANGOR, MAINE 04402

October 23, 1985

Dr. John E. Glenn, Chief
Nuclear Materials Section B
Division of Engineering &
Technical Program
U.S. Nuclear Regulatory Commission, Region 1
631 Park Ave.
King of Prussia, Pa. 19406

Re: Replacement of Nuclear Gauge
License No. 18-04925-01

Dear Dr. Glenn:

This is to inform you that we have recently replaced a
Troxler Model 2401 density moisture gauge, with a Troxler
Model 3411B gauge. The detailed data are as follows:

	Model #	Serial #	Sealed Source
gauge being replaced	2401	1220	Troxler AC-2252
gauge now used	3411B	12771	50-0555 (C -137) 47-8185 (Am ²⁴¹ Be)

Enclosed please find a copy of the source certificate of
the new gauge. As for the Disposal Acknowledgement of the old
gauge, we have not yet received it from Troxler. As soon as
we do, we shall inform you.

Thank you.

8602060309 851115
REG1 LIC30
18-04925-01 PDR

Sincerely yours,

Martha T. Hsu
Martha T. Hsu, Ph.D.
Chemist

RECEIVED BY LFMB

bep
Attachment
cc: M. Morgan
J. Rand

Date *11/4/85*
By *8*
Orig. To
Action Compl. *11/9/85*

1985 OCT 25 PM 1:13
RECEIVED-REG 1

ML10 104558

"OFFICIAL RECORD COPY"

OCT 25 1985

 *
 * SPECIAL FORM RADIOACTIVE SOURCE CERTIFICATE *
 * ORIGINAL *

THIS DOCUMENT MUST BE RETAINED BY THE RECIPIENT UNTIL SUCH TIME THAT THE MATERIAL IS TRANSFERRED INTO THE POSSESSION OF ANOTHER LICENSEE. A COPY OF THIS DOCUMENT MUST BE KEPT WITH THE GAUGE WHILE BEING TRANSPORTED ON PUBLIC HIGHWAYS IN THE UNITED STATES. INTERNATIONAL USERS SHOULD CONTACT THE LOCAL REGULATORY AGENCY TO DETERMINE THE DOCUMENTATION REQUIREMENTS.

SEALED SOURCE

50 0555
 102112
 CS-137
 8.0

 C64444
 GB/140/S
 23 JAN, 1985
 10 OCT, 1985

CODE/SERIAL
 TROXLER DRAWING NUMBER
 MATERIAL TYPE
 ACTIVITY IN MILLICURIES
 NEUTRON OUTPUT (N/S)
 ANSI SPECIFICATION
 SPECIAL FORM CERTIFICATE
 DATE OF MEASUREMENT
 DATE OF LEAK TEST

SEALED SOURCE

47 8185
 102451
 AM241-BE
 40
 7.1 X10⁻⁴
 C64544
 GB/7/S
 02 AUG, 1985
 10 OCT, 1985

SOURCE(S) ARE CONTAINED IN TROXLER MODEL 3411B12771
 TRANSFERRED ON 10 OCT, 1985. SALES ORDER NUMBER 14354

TO
 CODE : 1638000
 LICENSE: 18-04925-01
 NAME : MAINE DOT MATLS & RESRCH DIV
 219 HOGAN ROAD

 BANGOR, ME 04401

FROM
 32-182-1
 TROXLER ELECT. LABORATORIES, INC
 P. O. BOX 12057
 RESEARCH TRIANGLE PARK, NC 27709
Marlene W. Boyd
 RADIATION SAFETY DEPARTMENT

*** SPECIAL FORM, PACKAGE & TRANSPORT INFORMATION ***

- A. SPECIAL FORM- RADIOACTIVE MATERIAL USED IN THIS GAUGE HAS BEEN TESTED BY THE SOURCE MANUFACTURER TO MEET THE REQUIREMENTS AS SPECIAL FORM MATERIAL. THE ABOVE REFERENCED SPECIAL FORM CERTIFICATE HAS BEEN ISSUED BY AN INTERNATIONALLY RECOGNIZED 'COMPETENT AUTHORITY'. THE ABOVE REFERENCED LEAK TEST REVEALED THE REMOVABLE ACTIVITY TO BE LESS THAN 0.005 MICRO-CURIE. A RECOMMENDED WORKING LIFE FOR THIS SOURCE IS 15 YEARS. THIS IS BASED ON TOXICITY, HALF-LIFE, INITIAL ACTIVITY, CAPSULE DESIGN AND OPERATIONAL EXPERIENCE.
- B. PACKAGE CLASSIFICATION- THE ABOVE LISTED NUCLEAR GAUGE HAS BEEN TESTED AND MEETS THE REQUIREMENTS OF US DOT & IAEA REGULATIONS AS A 'TYPE A' PACKAGE. THE GAUGE MUST ALWAYS BE TRANSPORTED IN ITS ACCOMPANYING TRANSPORT CASE TO ENSURE COMPLIANCE WITH THE LABELING REQUIREMENTS. A REPORT OF TESTING AND EVALUATION TO AFFIRM THAT THE GAUGE IS SHIPPED AS A USDOT 7A TYPE A PACKAGE IS MAINTAINED ON FILE AT TROXLER ELECTRONIC LABS, INC, RESEARCH TRIANGLE PARK, NC 27709.
- C. BILL OF LADING:

RADIOACTIVE MATERIAL
 SPECIAL FORM-N.D.S. UN2974
 TYPE A PACKAGE
 RADIOACTIVE YELLOW II
 T.I. - 0.1

BETWEEN: William O. Miller, Chief
License Fee Management Branch
Office of Administration

John E. Glenn, Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

Fee Exempt

1. APPLICATION ATTACHED

Applicant/Licensee: Maine Department of Transportation

Application Dated: 10/23/85

Control No.: 104558

License No.: 18-04925-01

2. FEE ATTACHED

Amount: 0

Check No.: 0

3. COMMENTS

03/21
12/89

Signed Brenda Blatchek

Date 10/31/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: EX 3P

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

Amendment ✓

Renewal

License

FEE EXEMPT

Signed John Glenn

Date 11/9/85