

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20565

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION B
531 PARK AVENUE
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
MATERIAL RADIATION PROTECTION SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

D30-30808

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 FRY PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER
- C. RENEWAL OF LICENSE NUMBER 29-13141-04 Expired
030-19884

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

U.S. Department of Transportation
FAA Technical Center
ACT-360, Bldg. 210
Atlantic City Int'l. Airport, NJ 08405

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

FAA Technical Center
ACT-360, Bldg. 210
Atlantic City International Airport, NJ 08405

8912070159 890203
REG 1 LIC 30
29-13141-06 PDR

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Jennelle Derrickson

TELEPHONE NUMBER

(609) 484-6316

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL
a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)
FEE CATEGORY **Exempt** AMOUNT ENCLOSED \$

13. CERTIFICATION. (Must be completed by applicant.) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 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.

SIGNATURE - CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

Jennelle S. Derrickson

Jennelle Derrickson

Research Chemist

8/26/88

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS	
<\$250K	\$1M-3.5M
\$250K-500K	\$3.5M-7M
\$500K-750K	\$7M-10M
\$750K-1M	>\$10M

b. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

c. NUMBER OF BEDS

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (dollar and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to collect confidential commercial or financial - proprietary - information furnished to the Commission confidentially)

YES

NO

FOR NRC USE ONLY

TYPE OF FEE

FEE EXEMPT

FEE LOG NO.

FEE CATEGORY

COMMENTS

APPROVED BY

AMOUNT RECEIVED

CHECK NUMBER

DATE

Rec'd 8/31/88

109523

L 13141

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY:** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
2. **PRINCIPAL PURPOSE(S):** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30, 32, 33, 34, 35 and 40 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.
3. **ROUTINE USES:** The information may be (a) provided to State health departments for their information and use; and (b) provided to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed. A request that information be held from public inspection must be in accordance with the provisions of 10 CFR 2.790. Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned need to inspect the document.
5. **SYSTEM MANAGER(S) AND ADDRESS:** U.S. Nuclear Regulatory Commission
Director, Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555

APPLICATION FOR MATERIAL LICENSE

5. RADIOACTIVE MATERIAL

(A) Nickel-63	Sealed Source	Not to exceed 15 millicuries
(B) Hydrogen-3	Titanium Tritide foil in detector cell	1 foil not to exceed 200 millicuries

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED

- (A) Material will be used in the Electron capture detector for the detection of nitro-compounds.
- (B) Material will be used in a custom Scintrex model EVD-1 explosives detector for sample analysis.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE

Jennelle L. Derrickson, chemist, is the individual who will use or directly supervise the use of licensed material.

Formal Training

Principles and practices of radiation protection.

Radioactivity measurement standardization and monitoring techniques and instruments.

Mathematics and calculations basic to the use and measurement of radioactivity.

Biological effects of radiation.

5 course days in Basic Use of Radionuclides in Research, Oak Ridge Assoc. Univ. 1981.

2 course days in Basic Use of Radionuclides in Research, Oak Ridge Assoc. Univ. 1981.

3 weeks of instrumental Analysis course, Lincoln Univ., 1974.

2 weeks in Structure, Energetics and Dynamics course, Atlanta Univ. 1977.

1/4 semester of Physical Chemistry III, Lincoln University, 1974.

2 course days in Basic Use of Radionuclides in Research, Oak Ridge Assoc. Univ. 1981.

1 course day in Basic Use of Radionuclides in Research, Oak Ridge Assoc. Univ. 1981.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

N/A

9. FACILITIES AND EQUIPMENT

The Scintrex unit which houses the H₃ (tritium) source and the Xontech unit which houses the Nickel-63 are located in Building 202, which is enclosed by a fence and locked during off-hours. The units can be locked. (See Diagram.)

10. RADIATION SAFETY PROGRAM

The procedure for leak testing the Nickel-63 sealed source will be that procedure which is provided in the commercial leak testing kit supplied by the Nuclear Radiation Development Corporation, Model No. NRD K2-003. The procedure is the wipe test to be performed by Jennelle Derrickson, analytical chemist, sole operator of the gas chromatograph where the Nickel-63 will be housed.

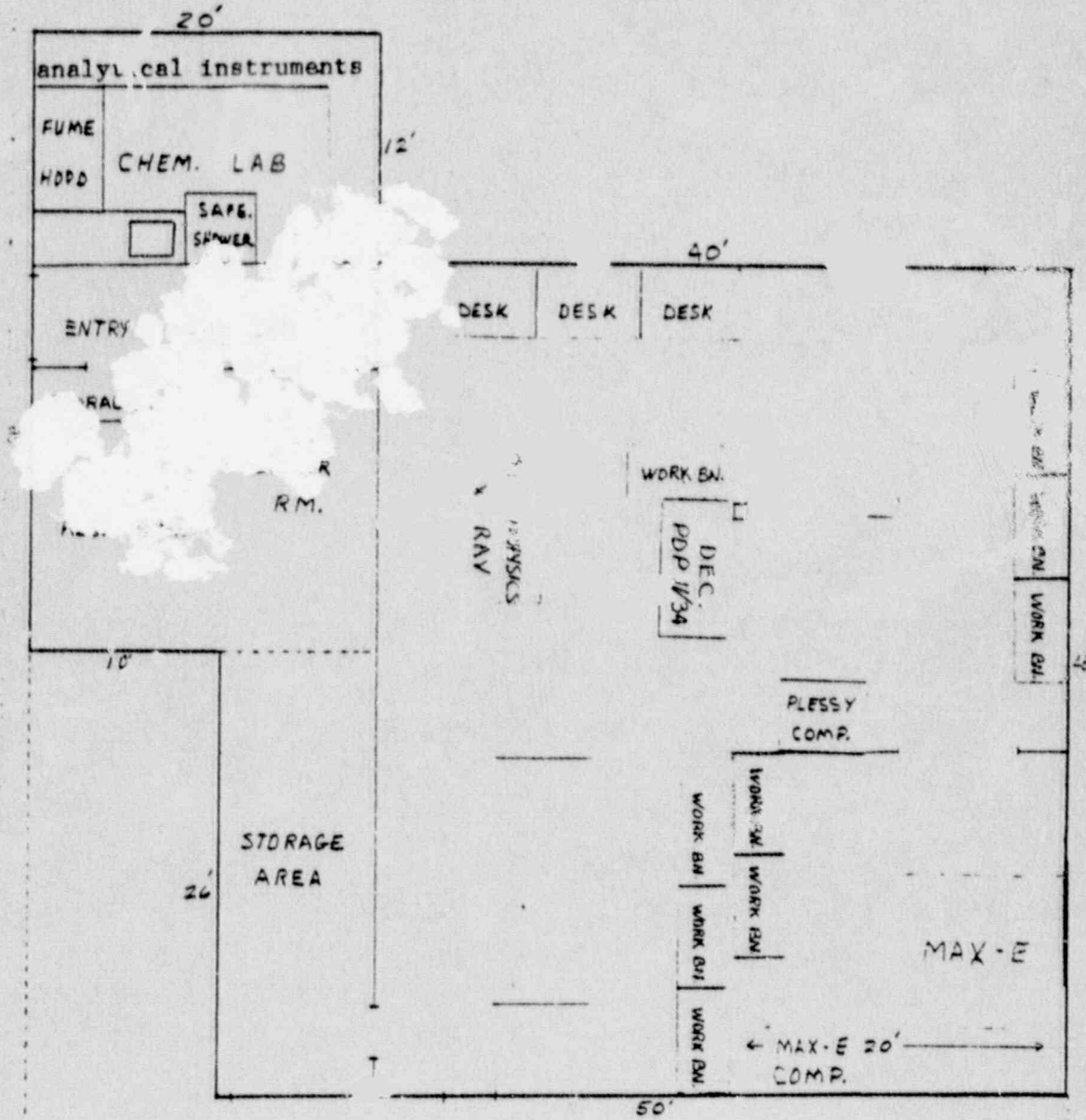
The titanium tritide detector will be shipped to the manufacturer for service.

11. WASTE MANAGEMENT

The radioactive foils will be shipped for disposal to:

NRD Div.
2937 Alt. Boulevard, N
Grand Island, NY

EXISTING
EXPLOSIVES DETECTION FACILITY
BLDG. 202



SCALE 1/8" = 1'
APPROX.

Entire facility enclosed by
3 ft. fence, which is locked
during off-duty hours.

"OFFICIAL RECORD COPY" ML 10

31 AUG 1988
109523

190628

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

PROGRAM CODE: _____
STATUS CODE: 3
FEE CATEGORY: _____
EXP. DATE: 0
FEE COMMENTS: _____
.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: U.S. DEPARTMENT OF TRANSPORTATION
RECEIVED DATE: 880831
DOCKET NO: 3030808
CONTROL NO.: 109523
LICENSE NO.:
ACTION TYPE: NEW LICENSE

2. FEE ATTACHED

AMOUNT: _____
CHECK NO.: _____

3. COMMENTS

SIGNED _____
DATE _____

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED /_/_/)

1. FEE CATEGORY AND AMOUNT: _____

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT _____
RENEWAL _____
LICENSE _____

3. OTHER _____

SIGNED _____
DATE _____

(FOR LFMS USE)
I..FORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03120
Status Code: 2
Fee Category: EX 3P
Exp. Date: 19871031
Fee Comments: _____

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
Applicant/License: TRANSPORTATION, DEPARTMENT OF
Received Date: 880831
Docket No.: 3019884
Control No.: 120628
License No.: 29-13141-04
Action Type: Renewal

Expired 10/31/87

2. FEE ATTACHED

Amount: _____
Check No.: _____

3. COMMENTS

Signed Rachel Stockstill
Date 10/1/87

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

1. Fee Category and Amount: _____
2. Correct Fee Paid. Application may be processed for:
Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____

General

Note To: License Fee Management Section, ADM
From: Region I
Subject: VOIDED APPLICATION

Control Number 120628

Applicant FAA Technical Ctr., Dept. of Transportation

Date Voided 9/15/88

Reason for Void:

License is expired. New application
to be done.

Roma J. Foster 9/15/88
Signature Date

Attachment:
Official Record Copy
of Voided Action

DL FMB
(EA)

OFFICIAL RECORD COPY

MLD

MLC