

# 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 20555

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

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
NUCLEAR MATERIAL SECTION B  
631 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

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 RYAN 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 34-07269-012

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

The Standard Oil Company (Ohio)  
P.O. Box 696  
Toledo, Ohio 43694

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

The Standard Oil Company (Ohio)  
Toledo Refinery  
P.O. Box 696  
Toledo, Ohio 43694

## 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

John H. Eidson - Safety Specialist

## TELEPHONE NUMBER

419-693-0771

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.

N/A

## 10. RADIATION SAFETY PROGRAM.

## 11. WASTE MANAGE

8509160005 850816  
REG3 LIC30  
34-07269-02 PDR

## 12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 170.31-3L AMOUNT ENCLOSED \$110.00

## 13. CERTIFICATION.

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

C.M. Tyler

## TYPED/PRINTED NAME

C. M. Tyler

## TITLE

Refinery Manager

## DATE

1-15-85

## 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 protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)

YES

NO

## FOR NRC USE ONLY

## TYPE OF FEE

## FEE LOG

## FEE CATEGORY

## COMMENTS

## APPROVED BY

## AMOUNT RECEIVED

## CHECK NUMBER

CONTROL NO. 78146

## DATE

## 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

RECEIVED  
85 FEB -4 P143  
U.S. NRC  
FEBRUARY BRANCH

5. Radioactive Material

<u>5a. By-Product, Source, and/or Special Nuclear Material</u>	<u>5b. Chemical and/or Physical Form</u>	<u>5c. Maximum Amount that Licensee May Possess At Any One Time Under This License</u>
A. Cesium - 137 ✓	A. Sealed Source (Ohmart Corp. Model No.A-5771)	A. No single source to exceed 1,000 millicuries
B. Cesium - 137 ✓	B. Sealed Source (Ohmart Corp. Model No.A-5771)	B. No single source to exceed 150 millicuries
C. Cesium - 137 ✓	C. Sealed Source (Ohmart Corp. Model No.A-2102)	C. No single source to exceed 300 millicuries
D. Cesium - 137 ✓	D. Sealed Source (U.S. Nuclear Dwg. No. B-0138)	D. No single source to exceed 0.25 millicuries
E. Cesium - 137 ✓	E. Sealed Source (U.S. Nuclear Dwg. No. B-0126)	E. No single source to exceed 1,000 millicuries
F. Cesium - 137 ✓	F. Sealed Sources (Ohmart Corp. Model No.A-2102)	F. No single source to exceed 100 millicuries
G. Cesium - 137 ✓	G. Sealed Sources (Amersham Model CDC-808)	G. No single source to exceed 50 millicuries

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6. Purpose(s) For Which Licensed Material Will be Used

- A ✓ To be used in Ohmart Corporation source-well type gauging system (DWG.B-6298) for level measurement in Vac II Tower.
- B ✓ To be used in Ohmart Corporation Model SHLM Source Holder as a liquid level measurement indicator for Iso II Vac Tower.
- C ✓ To be used in Ohmart Corporation Model SHLG-1 Source Holder for level measurement.
- D & E ✓ To be used in Ohmart Corporation Model ASR-25-3 Source Holder, and Model RTSN-3 Compensating Cell, respectively, for density measurement of fuel oil.
- F ✓ To be used in Ohmart Corporation Model SH-100 Source Holder for level measurement.
- G ✓ To be used in General Nucleonics, Inc., 13250 Source Housing (a component of the Model 13050 level sensor system) for measurement height of coke and/or foam inside coke drum(s).

Nos. 7 and 8

A. Licensed material shall be used by, or under the supervision of,  
J. H. Eidson or R. A. Whitmore.

B. J. H. Eidson - Safety Specialist

- a) Ohmart Corporation, 40 hours, Formal Course, August, 1982.
- b) Oklahoma State University, 80 hours, Formal Course, January, 1983.
- c) Company training program, 80 hours, on-the-job training.

C. R. A. Whitmore, Control Systems Specialist

- a) Company training program, 40 hours, on-the-job training.
- b) Ohmart Corporation, 40 hours, Formal Course, June, 1978.

B. J. H. Eidson

<u>Isotope</u>	<u>Maximum Amount</u>	<u>Where Experience Gained</u>	<u>Duration of Experience</u>
C <sub>5</sub> 135	2.4 C	Toledo Refinery	5 years
C <sub>0</sub> 60	200 MC	Toledo Refinery	5 years

C. R. W. Whitmore

C <sub>5</sub> 135	2.4 C	Toledo Refinery	14 years
C <sub>0</sub> 60	200 MC	Toledo Refinery	6 years

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No. 10 - Radiation Safety Program

CONTROLS - Sources in appropriate holders are shipped and stored in shielded holders supplied by instrument manufacturers to meet A.E.C. and I.C.C. regulations. Sourceholders are subsequently handled only by employees specifically assigned to this task, working under supervision of qualified foremen. Sources are removed from vessels whenever entry by others is required for repairs to vessel interiors. Handling is kept to a minimum and storage is remote from any working areas.

RADIATION SURVEY - Radiation level is determined initially at time of installation by source suppliers. Subsequent surveys are made at intervals by radiation officer named in Item 7.

MAINTENANCE OR REPAIR - Repairs will normally be made by suppliers at installation site. Where it is necessary to return sources to suppliers, the sources intact and holders will be shipped in accordance with supplier's instructions in shipping and storage holders. Suppliers, local public health agencies and regional office of the A.E.C. will be contacted immediately in the event of accidents involving source holders. Emergency sites will be barricaded and monitored to prevent entry until resumption of normal activities has been authorized by a properly qualified person.

LEAK TESTS - Will be performed on source holder surfaces every three years by the two individuals named in Item 7. Leak test kits will be supplied and analyzed by suppliers of sources and holders.

MONITORING - Periodic monitoring of source site area is made to determine radiation levels in adjacent working areas and in proximity to holders. Suitable warning signs are erected at safe approach distances.

All persons who may at any time handle sources or service instruments in proximity to source wear film badges. Film is changed bi-weekly and reports are kept in permanent files. All these persons are given annual medical examinations by qualified specialists in the field of medical radiology.

No. 11 Waste Management

Application is for sealed sources and devices that will be returned to the manufacturer for disposal.

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CONTROL NO. 78148