

# 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  
831 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 35-19300-01

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

Mobil Chemical Company  
555 Wolverine Road  
Shawnee, Oklahoma 74801

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

Mobil Chemical Company  
555 Wolverine Road  
Shawnee, Oklahoma 74801

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

Mr. David K. Oldaker, P.E.

## TELEPHONE NUMBER

(405) 275-6850

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 EQL

8511190026 850910  
REG4 LIC30  
35-19300-01 PDR

## 10. RADIATION SAFETY PROGRAM.

## 11. WASTE MANAGEMENT.

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

FEE CATEGORY 3P AMOUNT ENCLOSED \$ 120.00

## 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

*John H. Slaven*

John Slaven

Plant Manager

1/23/85

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

☐ YES

☐ NO

## FOR NRC USE ONLY

TYPE OF FEE <i>Ren. Jan 68</i>	FEE LOG <i>Jan 68</i>	FEE CATEGORY <i>3P</i>	COMMENTS	APPROVED BY <i>Francis Brown</i>
AMOUNT RECEIVED <i>\$120</i>	CHECK NUMBER <i>484125</i>	DATE <i>2/21/85</i>		

## 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

## CHECK REQUEST

☐ CORPORATE  
☐ NORTH AMERICAN  
☐ OTHER (Specify) \_\_\_\_\_

☐ INTERNATIONAL  
☒ CHEMICAL

☐ MOBIL PIPE LINE

NOTE: DO NOT USE THIS FORM  
 FOR MATERIALS OR SERVICES  
 COVERED BY PURCHASE ORDERS  
 OR WHEN INVOICE IS RENDERED  
 BY PAYEE.

ISSUE CHECK  
 IN FAVOR OF

U.S. Nuclear Regulatory Commission

DATE 23 January 1985

ADDRESS\*

Region IV 611 Ryan Plaza DR.

PAYMENT REQUIRED  
 ON OR BEFORE

28 February 1985

Suite 100, Arlington, TX, 76011 ATTN: MRS Marshall

VOID IF AMOUNT OR NAME  
 OF PAYEE IS ALTERED

IN AMOUNT OF

One hundred twenty and no/100 - DOLLARS

CENTS

\$ 120<sup>00</sup>

IN PAYMENT OF

Industrial by product Material License (Renewal) fee  
 for mill roll Scanner

DELIVER CHECK TO:

LOCATION

Shawnee, Okla

APPROVAL FOR CHECK DELIVERY

REQUESTED BY

DEPARTMENT

AUTHORIZED SIGNATURE (CO-197)

## ACCOUNTING ENTRIES

1	ACCOUNT 2	SUB. OR FUNC. 3	LOCATION OR SUB. FUNC. 4	DETAIL CODES AS REQUIRED									AMOUNT
				5	6	7	8	9	10	11	12	13	
	7798	530	78	0	0	0	0						

ORIGINAL - ACCTS. PAYABLE

YELLOW - ACCTS. PAYABLE

BLUE - REQUESTOR

S.P.Co. 441

- Item 5: Radioactive material is described in current License 35-19300-01. There are no changes at this renewal.
- Item 6: Use described in current License 35-19300-01. There is no change to the authorized use.
- Item 7: Individuals responsible for Radiation Safety program, training, etc. is Mr. Mac Dimicelli. Licensed material shall be used under the supervision of David K. Oldaker, Jamison P. Parr, Malcolm D. Dimicelli, or Ronald D. Kidder.

David K. Oldaker: A 1975 graduate from Oklahoma State University, where he received a Master of Science Degree in Mechanical Engineering. Over 100 college semester hours of Mathematics, Engineering, and Physics have provided Mr. Oldaker with an excellent background in the principles and practices of radiation protection and its biological effects.

As a Captain in the U.S. Army, Mr. Oldaker was assigned to a highly specialized nuclear delivery organization for 3 years (1976-1979) where he conducted training and practical exercises concerning radiation protection and its biological effects for several decontamination teams. He was also responsible for formulating the unit's standing operating procedures for nuclear, chemical, and biological operations.

Jamison P. Parr: Mr. Parr attended an intensive three-day seminar at the Ohmart Corporation in December, 1977. The training included principles and practices of radiation protection and its biological effects. The seminar was oriented toward the application of safety and protection practices while working with the Ohmart equipment. Mr. Parr has received considerable experience and is familiar with our Ohmart Beta gauge scanners.

Ronald D. Kidder: A 1974 graduate from the University of Idaho, where he received a Bachelor of Arts Degree in Physics. Studies in the field of high energy ionizing radiation were included in the curriculum.

As an officer of the U.S. Navy, Mr. Kidder was selected for participation in the Nuclear Power Program. Six months of classroom study and six months of hands on experience at the AEC testing facility were involved in learning all aspects of nuclear propulsion including the effects of radioactive materials on the human body. As an officer aboard a nuclear powered submarine he acted as Reactor Controls Officer and Radiation Control Officer and acquired even more experience and knowledge in the handling of radioactive materials.

Malcolm D. Dimicelli: Mr. Dimicelli graduated from the University of Houston with a B.S. Degree in fire protection and safety technology. He is accredited with 18 hours toward a M.S. Degree in Safety Management from Marshall University. He has received special training in Fireman school and Industrial hygiene. He has been Loss Prevention Supervisor at Mobil since 1981. In this position

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he is responsible for all aspects of Employee Safety, Plant Fire Protection, Radiation Safety, Industrial Hygiene, and Plant Security at this manufacturing facility of 309,000 square feet and 375 employees.

Mr. Dimicelli has recently attended a training course for radiation safety officers (see attached certificate and course outline). He has 2 years prior experience at Goodyear Atomic Corp. as a safety engineer.

Darrell J. Riffe & Charles Maulding: Delete from license.

- Item 8: Operations and safety instructions are attached. The training includes a description of components, theory of operation, radiation safety and emergency action/measures.
- Item 9: Facilities and equipment are described in the current license 35-19300-01 and there are no changes.
- Item 10: The radiation safety section is included in the operating/safety instructions attached.
- Item 11: Waste disposal is to be managed under the conditions of the current license 35-19300-01 and there are no changes.
- Item 12: License fee: Attached.

#### WASTE DISPOSAL:

Whenever the source holder is no longer needed, it will be either

- (a) Removed and stored in a locked cupboard or room properly labeled. It will not be placed in service without prior wipe testing, or
- (b) Removed and returned to the manufacturer (Ohmart Corporation) for disposal.

In either case, the services of the manufacturers representative will be obtained to supervise removal, reinstallation, and/or packaging for return to the manufacturer.

#### RADIATION PROTECTION PROGRAM:

- (a) The source holders will be received and stored pending arrival of the Manufacturers Field Engineer. The source holders will be installed in the closed position under the supervision of the representative. A written procedure for prevention of entry into the vessel when the source is in the open (source exposed) position will be prepared. This program will be developed in consultation with the manufacturers (Ohmart) representative.
- (b) The initial radiation survey will be made by the representative at the time of placing the device in service. An occupancy evaluation will be made by the representative and should film badges appear to be required they will be obtained. Form NRC-3 will be posted and should the radiation survey with the vessel(s) empty reveal radiation fields in excess of 5 mr/hr at 12 inches from the surface of the vessels appropriate warning signs will be posted. Procedures will be adjusted to reduce the total dose to personnel to the minimum reasonably achievable. A copy of the radiation survey and written procedures will be kept on file for future reference.
- (c) In case of malfunction of the source holder or damage thereto, the services of an Ohmart representative will be obtained for repair or to supervise removal and proper packaging for return to the Ohmart Corporation for repair or replacement as required.
- (d) In case of emergency such as fire or explosion involving apparent damage to the source holder, the appropriate Regional Office of Inspection and Enforcement (10 CFR 20 Appendix D), USNRC will be contacted for assistance. The area around the source holder will be barricaded.

The services of an Ohmart representative will be obtained to assist in inspection for damage and local health authorities will also be notified.

- (e) Wipe test procedure - A test will be performed on the surface of the source holder every three years by the individual listed in Item 7 of the application in accordance with the instructions of the manufacturers representative and contained in the gage instruction manual. The wipe test kit to be used is the Ohmart Model LT. The wipe will be evaluated for leakage by The Ohmart Corporation. Should the presence of 0.005 microcuries of removable contamination be detected, the source holder will be withdrawn from service, the Regional Office of the USNRC notified and the device repaired or replaced by the manufacturer.

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*Support Consultants & Associates, Inc.*

*This is to certify that*

MALCOLM D. DIMICELI

*has successfully completed the Educational Course in*

RADIATION SAFETY

*as prescribed under The Training Program presented by  
Support Consultants & Associates, Inc.*

MOBIL CHEMICAL CO. - FILMS DIV.

JANUARY 11, 1985

*Date*

*John H. Slaven*  
*Ken Brown*  
*Instructor*

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