

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 34-16091-01

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

KELSEY HAYES FREMONT FOUNDRY
1017 DICKENSON
FREMONT, OH 43420

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

KELSEY HAYES FREMONT FOUNDRY
1017 DICKENSON
FREMONT, OHIO 43420

RECEIVED

MAR 29 1985

REGION III

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

GARY MORYKWA

TELEPHONE NUMBER

(419) 334-3818

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 **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

C.D. Engle

C.D. Engle

Plant Manager

3/27/85

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

FEE LOG

FEE CATEGORY

COMMENTS

REGION III

APPROVED BY

AMOUNT RECEIVED

CHECK NUMBER

CONTROL NO. **78614**

MAR 29 1985

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 93-570), 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

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U.S. N.R.C.
IN. FEE MGMT. BRANCH

ITEM 5 MATERIAL

SOURCE	ELEMENT	MANUFACTURER AND MODEL NUMBER	PHYSICAL FORM	ACTIVITY
1	CESIUM 137	3M Company Model 4F6S	SEALED SOURCE	750 Millicuries
2	CESIUM 137	3M Company Model 4F6S	SEALED SOURCE	750 Millicuries

ITEM 6 PURPOSE

Each sealed source will be used in an In-Val-Co Model B-20-50A source holder for stack level control.

ITEM 7 RESPONSIBLE INDIVIDUALS

The "responsible individual" is Gary Morykwas. The "responsible individual" has not had any formal training in Radiation Safety. He has had some experience with radiation at Michigan Technological University in courses dealing with Nuclear Physics and X-ray Spectroscopy. He has also dealt with the sealed sources involved with this application for 8 years.

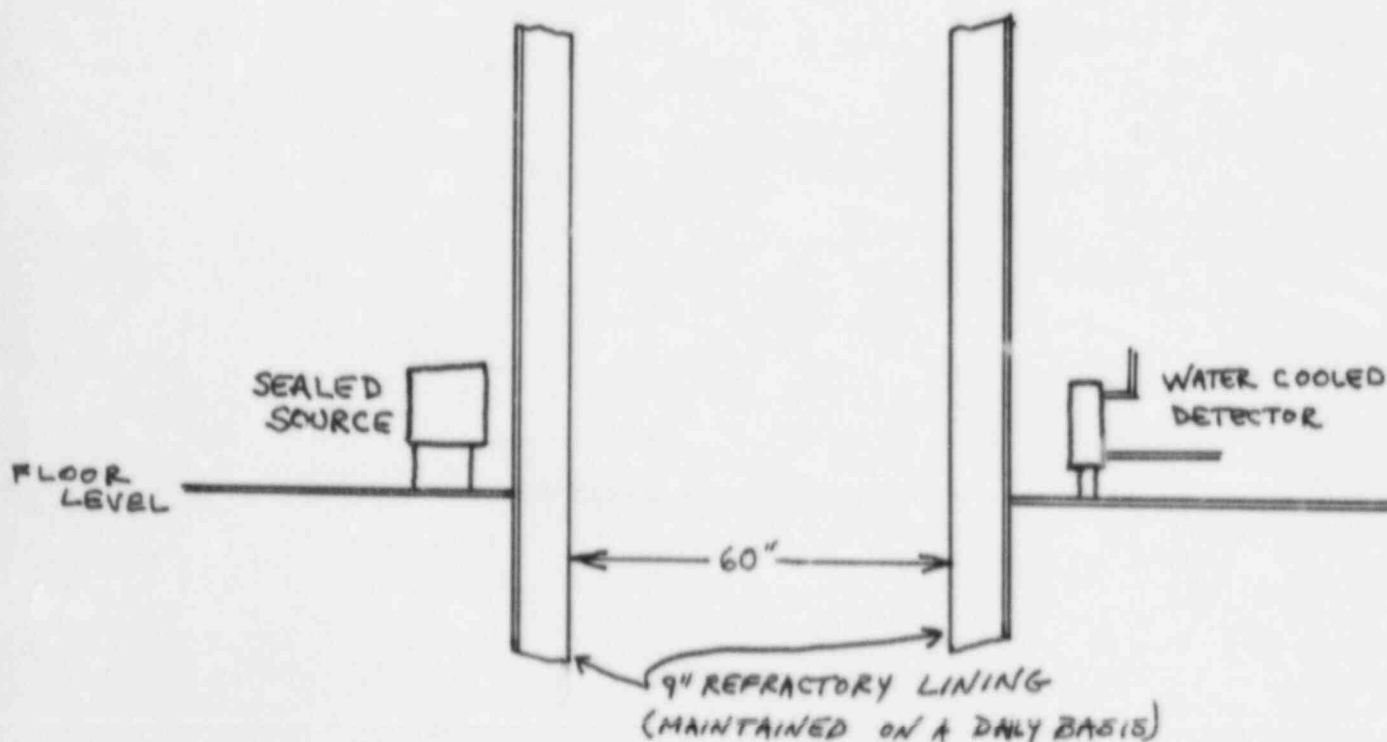
ITEM 8 TRAINING

Gene Hay, Terry Gullett, Warren Feighner have been working with the radiation units since they were installed in 1974 by Modern Equipment of Milwaukee, Wisconsin under supervision from In-Val-Co. These individuals received instruction from the installers. Along with Gary Morykwas, the above individuals provide 24 hour a day supervision. Any individuals who have access to the radiation units receive instructions as to the operation of the units, safety lock-out procedure, and dangers of exposure to radiation.

ITEM 9 FACILITIES

①

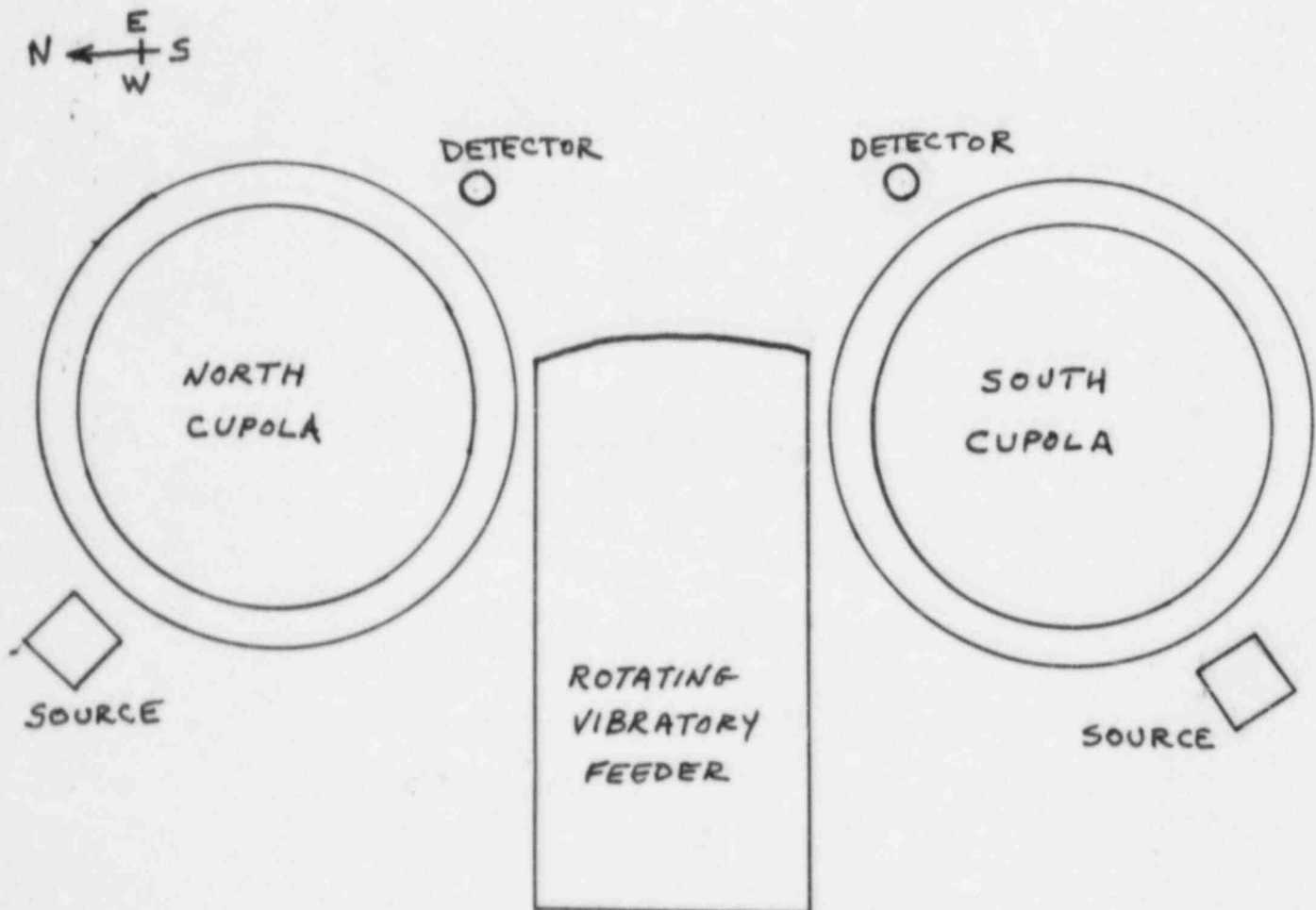
CUPOLA CROSS-SECTION



CONTROL NO. 78614

①

TOP VIEW BOTH INSTALLATIONS



②

ENVIRONMENTAL CONDITIONS

Occasionally the temperature is 150° F. The vibratory feeder sometimes gets a piece of scrap caught in it, causing vibrations through the floor. When vibration is noted, the piece is removed and operations continue.

- ③ The ambient temperature does not exceed the maximum temperature recommended for the sealed source at any time. The detector has a water cooled jacket that is maintained by the city water supply. If the city water supply fails, the only consequence might be is damaging the detector. However, if the city water supply fails, the entire plant's operations would be shut down.
- ④ Not Required.
- ⑤ Our operations allow running one cupola at a time. We run a cupola every other day (for example, North cupola on Monday, South cupola on Tuesday, North on Wednesday, etc.). In the cupola we are not operating, the source is locked out, repairs made to refractories, and shutter operation checked before putting the source back into operation.
- ⑥ The individuals named in ITEM 8 supervise all operations dealing with the sealed sources. In the event of an accident, one of these individuals will call Gary Porykwas (419) 334-8018 (home phone), who would then take the required steps.

ITEM 10 SAFETY PROGRAM

The Radiation Protection Program consists of informing the melt and maintenance personnel of the operation of the

sources, lock-out procedures, the danger of radiation, and cautioning personnel to be alert when the sealed source units are in operation.

- ① Not Required
- ② Not Required
- ③ Not Required
- ④ Gary Morykwas performs the leak testing with a Mark V Leak Test Kit manufactures by Applied Health Physics, Inc.

Applied Health Physics, Inc.

2986 Industrial Boulevard

Box 197

Bethel Park, Pa.

License Number: 37-09135-01

- ⑤ Lock out procedures will be prepared and provided to all employees. Additional copies of the procedures will be posted. Gary Morykwas will be responsible to ensure all lock out procedures are followed.

- ⑥ Not Required

ITEM 11 WASTE

In the event of need for disposal of the sealed sources, the sources will be transferred to a licensee authorized to possess the radioactive material.