

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 48-17480-01

☐ C. RENEWAL OF LICENSE NUMBER _____

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

WISC. INQUIRY TESTING
4850 N 126 STREET
BROOKFIELD WISC 53005

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

4850 N 126 STREET
BROOKFIELD WISC

Temporary Job Site of the Licensee
anywhere in the United States where
The Nuclear Regulatory Commission maintains
jurisdiction for regulating the use of licensed
material.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Roe Combs

TELEPHONE NUMBER

414-781-0105

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

8508130411 850705
REG3 LIC30

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT

48-17480-01 PDR

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

FEE CATEGORY

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

Roe Combs

Roe Combs

Vice-President

7/3/85

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

RECEIVED

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

AMOUNT RECEIVED

CHECK NUMBER

and July 11 30

\$230

7509

JUL 03 1985

REGION III

CONTROL NO. 79263

APPROVED BY

DATE

COY

7/10/85

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

ITEM 5 Seal source (CAMMA TND MODEL VD-HP)

ITEM 7. SAME ON LIAISON

ITEM 9 " "

ITEM 6 - for use in CAMMA TND MASTER MINDER.
model 2 for CONTROL DEVICE for the
X-Ray CRAWLER.

All Conditions for seal source will be
followed, in accordance with the provisions
in our Radiograph Lines.

Joe Cowie
7/3/85

RECEIVED

'85 JUL 15 AM 04

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

CONTROL NO. 7 926 3

GAMMA INDUSTRIES MASTER MINDER

MODEL 2

This exposure device was designed primarily as a control device for the x-ray crawler. However, it would serve many other useful purposes where beam radiation is desired. Regardless of the application, the thought uppermost in mind during its design was SAFETY. Unfortunately, complete safety cannot be achieved through design alone; operation of the unit is just as important. Therefore, we ask that you read these operating instructions carefully and follow them. Remember, when you operate this unit, your body is only a short distance from the exposed 225 millicurie Cesium-137 source and your hand is only inches away. This is a hazardous situation and demands great care. Unless the operator acts accordingly, the result will almost certainly be an overexposure.

VD-HP

GAMMA INDUSTRIES

A DIVISION OF NUCLEAR SYSTEMS, INC.

170

GAMMA INDUSTRIES MASTER MINDER

MODEL 2

OPERATING PROCEDURES

By referring to the cross-sectional drawing, you can see that the body of the unit is composed of four

(4) basic parts:

- (1) the uranium shield - item 1
- (2) the outer can or body - item 4
- (3) the lock box - item 9
- (4) the source holder - item 12

It is apparent that the source holder and lock plunger are the only moving parts, so that there should be a minimum of maintenance required. If handled properly and with care, the device will give good service for an indefinite period.

Let us assume that all preparations have been made of the weld joints, film in place, etc. Place the Master Minder at the predetermined spot on the pipe making sure that it is resting solidly and will not fall off. Unlock the device by turning the key clockwise and allowing the lock plunger to spring up. Grasp the source holder and pull out gently to the farthest extent and then move away from the unit so that no unnecessary radiation will be exposed to the body. You will note that the device will lock in the open or exposed position.

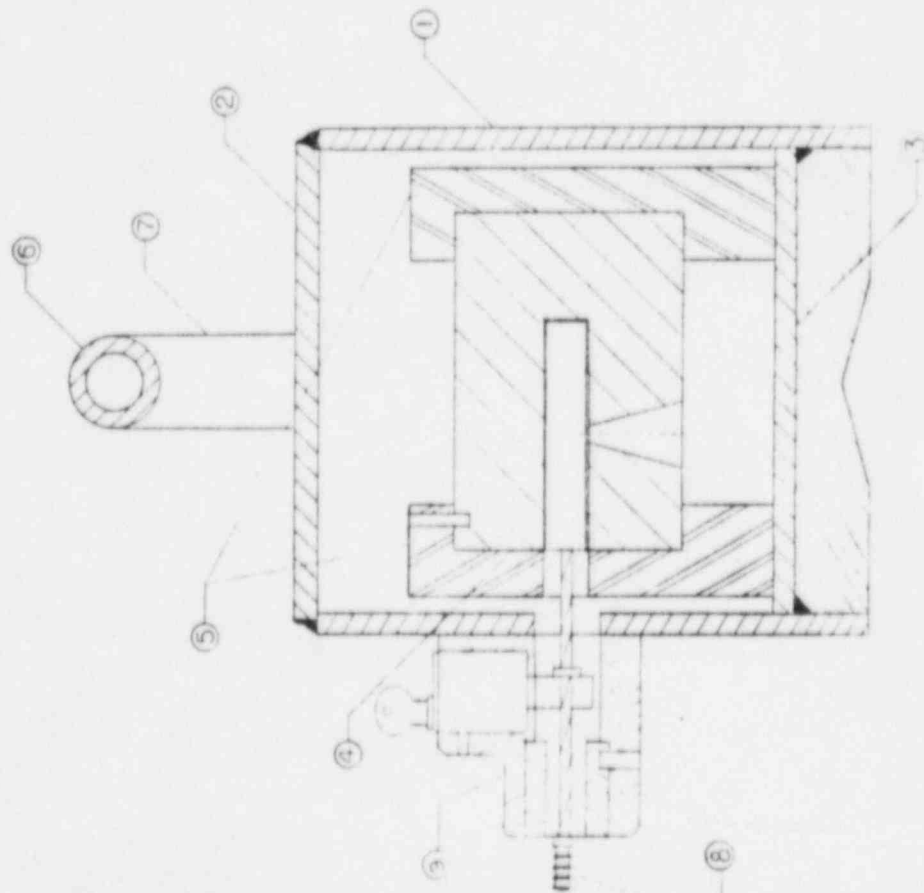
After the crawler has either stopped or started or at least has gone into the next function, simply push the source back into the safe position and lock the device by pushing down on the lock plunger. The Master Minder is now ready for the next control function.

MAINTENANCE AND INSPECTION

The unit should require very little maintenance during its lifetime.

Inspect the lock plunger for ease of operation. Foreign matter may at times foul the plunger and make it inoperatable. The lock plunger may not retract to its fullest extent which is 1/2". This would prevent free travel of the source in and out of the lock box.

The lock plunger may be removed by removing the two 8-32 set screws in the lock box. Wash the lock in solvent to remove dirt or other foreign matter. The lock may also be cleaned and lubricated by spraying a lubricant (such as WD-40) into the lock and working the lock plunger in and out.



Δ DELETED TOLL NUM D, 2-513 DP
FOR MASTER MINDER II

ITEM NO	DESCRIPTION	PART NO
1	HOUSING	811-1001-265
2	TOP PLATE	811-1001-262
3	BOTTOM PLATE	811-1001-261
4	SOURCE SHIELD	801-1001-257
5	SHIELD SUPPORT BRACKET	811-1001-260
6	HANDLE GRIP	801-1001-259
7	HANDLE SUPPORT	801-1001-258
8	SOURCE HOLDER ASSY	801-1001-109
9	LOCKBOX ASSY	811-1001-108
10	SCR. -CAP-HEX SOC. SS 1/4-20x1/2	101-7015-001
11	RIVETS POP	111-7001-001
12	NAME PLATE	811-1001-263
13	SCR RND HD SLT SS 8/32x1/4	101-7010-001
14	“DANGER” DECAL	801-1001-214
15	PRIMER	450-7001-005
16	SUPPLEMENT NAMEPLATE	615 1002000

Δ MASTER MINDER II SOURCE SHIELD
PART NUMBER IS 801-1001-457 DER UR

Δ MM II SOURCE HOLDER ASSY IS
PART NUMBER IS 801-1001-171

Δ CHANGED DRAWING NUMBER 4 16-81
PREVIOUSLY 811-1001-110 - HEAD ASSEMBLY

GAMMA INDUSTRIES B.P.	
SCALE NONE	APPROVED BY: K. J.
DATE 3-24-76	REVISED 4 16 81
COMPLETE ASSEMBLY	
MASTER MINDER 2	DRAWING NUMBER 811-1001-020

CONTROL NO. 7 926 3