

## MATERIALS LICENSE

Amendment No. 06

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

201712

Licensee		In accordance with application received September 18, 1996	
1. Ironton Iron Incorporated		3. License Number 34-24800-01 is amended in its entirety to read as follows:	
2. P. O. Box 98 Ironton, OH 45638		4. Expiration Date December 31, 2001	
		5. Docket or Reference No. 030-29539	
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License	
A. Cesium-137	A. Sealed sources (General Radioisotopes Products Model No. 850233)	A. One source not to exceed 100 millicuries	
9. Authorized Use:			
A. To be used in Kay-Ray Model 7062 source holder for level measurement.			

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 2520 South 3rd Street, Ironton, Ohio.
11. A. Licensed material shall be used by, or under the supervision of, Paul K. Ingram.
- B. The Radiation Safety Officer for this license is Paul K. Ingram.
- C. The Alternate Radiation Safety Officer for this license is Deron K. Rodehaver.
12. A. (1) The source(s) specified in Item(s) 7.A. shall be tested for leakage and/or contamination at intervals not to exceed 3 years. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.

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9610220222 960925  
PDR ADOCK 03029539  
C PDR

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9. ml  
230  
50

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

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Docket or Reference Number

030-29539

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- (2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
- C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, 801 Warrenville Road, Lisle, Illinois 60532-4351, ATTN: Chief, Nuclear Materials Safety Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- D. The licensee is authorized to collect leak test samples for analysis by NDS Products or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
- D. The licensee is authorized to collect leak test samples for analysis by NDS Products or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
14. Installation, initial radiation survey, relocation, removal from service, maintenance, and repair of devices containing sealed sources and installation, replacement, and disposal of sealed sources shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services.
15. The licensee shall maintain records of information important to safe and effective decommissioning at 2520 South 3rd Street, Ironton, Ohio per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

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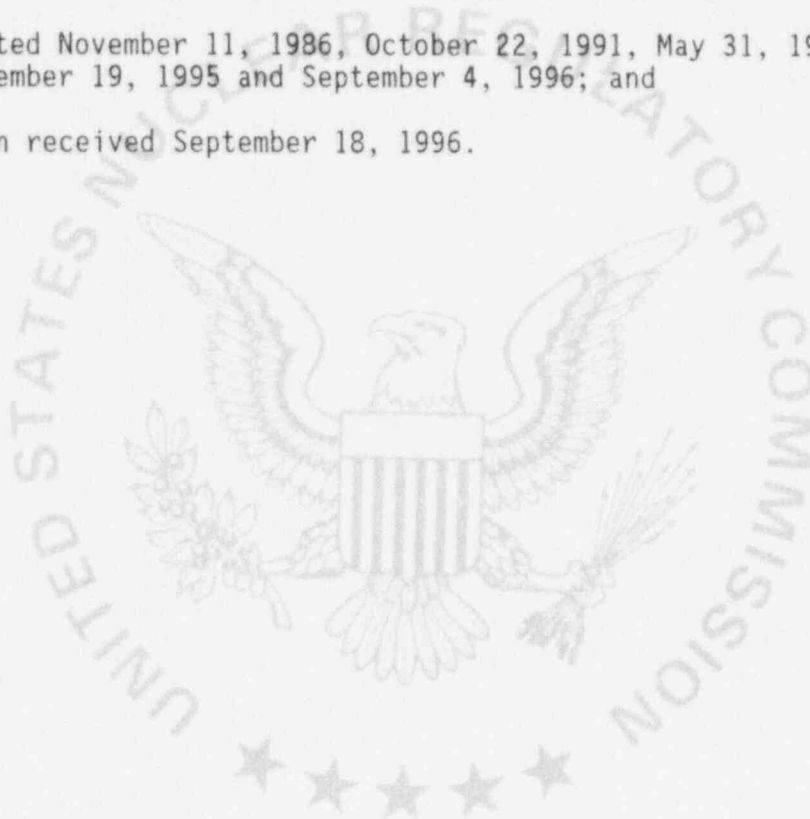
**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
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16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Applications dated September 15, 1986, May 5, 1995, September 18, 1995;
  - B. Letters dated November 11, 1986, October 22, 1991, May 31, 1995, September 18, 1995, September 19, 1995 and September 4, 1996; and
  - C. Application received September 18, 1996.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date September 25, 1996

By Loren J. Hunter  
Materials Licensing Branch, Region III

COPY

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)  
INFORMATION FROM LTS

PROGRAM CODE: 03310  
STATUS CODE: 0  
FEE CATEGORY: 30 2B  
EXP. DATE: 20000831  
FEE COMMENTS:  
DECOM FIN ASSUR RECD: N

614 532.0009  
x 238  
Paul or Daron  
called 8/28/96

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: IRONTON IRON INCORPORATED  
RECEIVED DATE: 960812  
DOCKET NO: 3031659  
CONTROL NO.: 301712  
LICENSE NO.: 34-24800-02  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED  
AMOUNT: 0  
CHECK NO.: 0

3. COMMENTS

SIGNED  
DATE

*D. Hersey*  
*8-13-96*

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

1. FEE CATEGORY AND AMOUNT: 30 2B \$720  
2. CORRECT FEE PAID. ☒ APPLICATION MAY BE PROCESSED FOR:  
AMENDMENT  
RENEWAL  
LICENSE

3. OTHER

SIGNED  
DATE

*SC*  
*8/24/96*

1996 AUG 15 PM 3:29

SEP 30 1996

Log	Aug 8 III
Remitter	
Check No.	84096
Amount	\$720 \$1440 Refund \$420
Fee Category	30 2B
Type of Fee	Ampl
Date Check Rec'd	9/23/96
Date Completed	9/24/96
By	SC

1ck - 2 Actions  
See CN 301845  
301846  
Combined with  
301712

03031659  
34-24800-02

To: NRC - Records Dept.

From: Paul Ingram  
Ironton Iron, Inc.  
2520 South Third Street  
Ironton, Oh. 45638

Re: LD AM4327-96  
License Procedure & Document Amendments

Records Department,

Please make note that the following items had to be changed because of changes of devices as required by the NRC.

These Items include:

- \* Addition of Auto-locking Device to Projector Collar
- \* Addition of Locking Device to Amersham ( Source Vendor )
- \* Source Changer
- \* Personnel Charges
- \* Previous Changes not ammended to License Materials

Accounts Receivable please note this enclosed check does not include Penalties levied please bill for balance.

Thank You!  
Paul K. Ingram  
8/2/1996

RECEIVED  
AUG 12 1996  
REGION III

AUG 12 1996

8/8/96  
(License called & advised  
this action was being handled by RIII.)

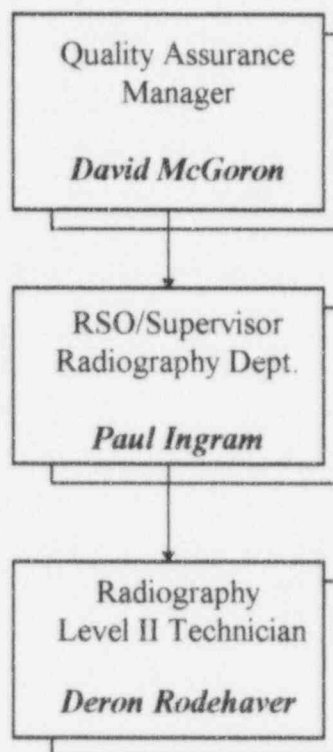
Orig to RIII 8/8/96. sk

301712



## RADIOGRAPHY DEPARTMENT HIERARCHY

Two Shift coverage SPO and I-Beam Lines



## **REPLACEMENT OF TECHNICAL OPERATIONS SEALED SOURCES**

### **1.0 SCOPE:**

This procedure describes the method of replacing Tech/Ops. Sealed byproduct material sources utilizing their approved source changers Model Numbers 416, 650L and 771.

### **2.0 RESPONSIBILITIES:**

The Radiation Safety Officer, or a radiographer must perform or directly supervise all source changing operations.

### **3.0 DESCRIPTION:**

- 3.1 The source changers shielding consists of a lead or depleted Uranium ( U238 ) filled steel shell. Imbedded in it is a "U" shaped stainless steel source tube with both sides emerging from the shell. Midway in the "U" is a stop dividing it into two compartments, one for the new source and one for the depleted source.
- 3.2 The closure mechanism consists of two single or one dual cap and hold-down rod assembly which fastens down over the "U" tube ports to hold the source and Connector firmly in a safe position.

### **4.0 PROCEDURE:**

Tech/Ops. Provides with each source and changer a complete operating procedure including photographs and sketches of the equipment. Prior to changing a source from the source from the source changer to the exposure device, the instructions are to be reviewed and then followed in detail.

- 4.1 NOTE: All the precautions used when making radiographic exposures must be followed. Personnel monitoring devices must be worn during all source changing operations. All operations will be monitored with a calibrated, operable survey meter.
- 4.2 Model 650L Source Changer - Isotope - IR192  
Model 416 Source Changer - Isotope - Cobalt60  
Model 771 Source Changer - Isotope - Cobalt60

**INSPECTION AND MAINTENANCE OF RADIOGRAPHIC  
EXPOSURE DEVICES AND STORAGE CONTAINERS  
MANUFACTURED BY TECHNICAL OPERATIONS, INC.**

5.0 FINAL INSPECTION: Cont'd

5.1 ( Cont'd )

indicator system.

5.2 Examine connector of the live source while it is in the source changer. Assembly should be clean and free of grit and dirt. Check operation of the locking sleeve by pushing the operating pin back, the sleeve should return when released. Check cable to connector junction for fraying. Test engagement of connector with mating part of source drive cable. Do not use a source assembly that fails these tests.

5.3 Return live source to shield. Radiation levels must not exceed the following:

No more than 200 mR/hr on contact with the external surfaces of the shield,

or

Less than 10 mR/hr at a distance of three feet from all exterior surfaces.



**INSPECTION AND MAINTENANCE OF RADIOGRAPHIC  
EXPOSURE DEVICES AND STORAGE CONTAINERS  
MANUFACTURED BY TECHNICAL OPERATIONS, INC.**

**1.0 SCOPE:**

The following procedure delineates the method to be employed in the inspecting and the maintenance of all exposure devices and storage containers manufactured by Technical Operations, Inc. The procedure is broken into parts, a daily ( when equipment is in use ) inspection, and periodic inspections.

**2.0 RESPONSIBILITIES:**

- 2.1 It is the responsibility of the Radiation Safety Officer to instruct Radiographers in the daily inspection of gamma ray radiographic exposure equipment and he will be responsible for having all phases of the inspection and maintenance program carried out in accordance with this procedure.
- 2.2 Radiographers will be responsible for performing daily inspection and reporting any equipment malfunction to plant or field RSO. No attempt will be made to use any exposure equipment that is not working properly.
- 2.3 It is the responsibility of the Radiation Safety Officer to audit the inspection and maintenance program for compliance with the procedure detailed below:

**3.0 DAILY INSPECTION PROCEDURE:**

To insure safety and avoid malfunctions that could impair the productivity of this equipment, daily ( when in use ) inspections will be made at the beginning of each Radiographers shift.

- 3.1 Tech/Ops. Model No. 680A and equipment will be inspected for completeness as follows:

**3.1.1 Shield ( Radiographic Projector )**

- a. Key for Lock
- b. Labels
- c. Source Identification
- d. Shipping Plug
- e. Connector Cap

**OPERATIONS OF TECH/OPS. MODEL 680A PROJECTOR**

**6.0 SPECIFIC INSTRUCTIONS FOR SECURING TECH/OPS. MODEL 680A PROJECTOR WHEN NO ADDITIONAL EXPOSURES ARE REQUIRED: ( Cont'd )**

- 6.1.3 Unlock the projector selector ring using the supplied key.
- 6.1.4 Rotate the connector selector ring from the **LOCK** position to the **CONNECT** position. When the selector ring reaches the **CONNECT** position the control cable connector will partially disengage from the projector.
- 6.1.5 Open the connector jaws and disconnect the swivel-type connector by depressing by depressing the spring-loaded locking pin towards the projector with the thumbnail and separate the male and female connections.

**NOTE: IF ANY DIFFICULTY IS ENCOUNTERED, REPORT TO THE RSO FOR FURTHER INSTRUCTIONS.**

- 6.1.6 Replace the storage cover in the projector connector and rotate the selector ring to the **LOCK** position. Remove the key and engage the lock to secure the projector.
- 6.2 Approach the projector with the survey meter. Survey the projector on all sides, and the source guide tube to insure that the source is in the stored position. Radiation levels at contact with the projector will vary between 10 mR/hr and 200 mR/hr depending on the source strength. Record results on Radiographic Operations Report No. 1 ( QD5087 )
- 6.3 The Vault and office access doors are to be locked to limit tampering or removal of the device by unauthorized personnel when radiographers are not present.

**NOTE:**

**REVISED OPERATIONS 8/2/96 TO REFLECT UPGRADE OF 680 PROJECTOR TO 680A PROJECTOR ( INSTALLED AUTO-LOCKING COLLAR 12/96.**

Paul Ingram  
RSO

## **OPERATION OF TECH/OPS, MODEL 680A PROJECTOR**

### **OPERATING PROCEDURE: ( Cont'd )**

- 5.6 To return the source to the projector, after the desired exposure time has elapsed, rapidly turn the hand crank if the **RETRACT** ( clockwise ) direction. Continue to turn the crank until the crank seizes to retract and the auto-locking device clicks ( audible ) into position. This is your indicator that the source has returned to the fully shielded position. ( Note: you should reverse the crank to make sure that the device has locked properly and to relieve pressure from the locking spring). If the Auto-lock has properly functioned the lock on the crank will be engaged.

### **CAUTION**

- 5.7 At the projector, rotate the connector selector from the **OPERATE** position to the **LOCK** position and engage the projector collar lock.

### **NOTE**

IF THE PROJECTOR SELECTOR RING CANNOT BE ROTATED TO THE **LOCK** POSITION, THE SOURCE MAY NOT HAVE BEEN COMPLETELY RETRACTED. THIS CAN BE VERIFIED IF THE GREEN ( **SAFE** ) INDICATOR ON THE AUTO-LOCKING COLLAR IS VISABLE. IF IT IS SHOWING THE RED ( **OPERATE** ) INDICATOR THEN THE SOURCE HAS NOT BEEN PROPERLY RETURNED TO IT'S FULLY SHIELDED POSITION AND THE CRANK WILL HAVE TO TURNED IN THE RETRACT ( CLOCKWISE ) DIRECTION TILL YOU HEAR THE CLICK OF THE AUTO-LOCKING COLLAR.

### **6.0 SPECIFIC INSTRUCTIONS FOR SECURING THE TECH/OPS. MODEL 680A WHEN NO ADDITIONAL EXPOSURES ARE REQUIRED:**

- 6.1 To disconnect the control unit from the projector, the following procedures must be followed:
- 6.1.1 Check the projector for your base line radiation to verify a fully shielded source.
  - 6.1.2 Remove the Guide Tube from the front of the projector and insert and screw in the projector shipping plug.

## **OPERATION OF TECH/OPS, MODEL 680A PROJECTOR**

### **5.0 OPERATING PROCEDURE:**

- 5.1 Establish and post "**HIGH RADIATION AREA**" and "**RADIATION AREA**" as specified in Procedure No. 3.
- 5.2 Thoroughly check all cable connections and bend radii and position of the snout of the master guide tube. ( This represents the radiographic focal point of the source ) . To operate the system, perform the following:

### **WARNING**

**OPERATE THE SYSTEM ONLY IN AREAS MONITORED WITH THE APPROPRIATE RADIATION MEASURING EQUIPMENT.**

- 5.3 Unlock the projector connector and rotate the selector ring to the "**OPERATE**" Position. The source is now free to move.

### **NOTE**

If cranking becomes difficult any time during the next step, reverse the direction of the cranking to return the source to the stored position in the projector. First monitor the area with a survey meter to insure that the source is in it's fully shielded position. Then check the control and guide tubes for excessively small bend radii and repeat the step.

- 5.4 At the control unit ( in a shielded area ), Rapidly rotate the hand crank in the **EXPOSE** ( counterclockwise ) direction to move the source out of the projector and into the guide tubes toward the radiographic focal point. Continue to rotate the hand crank until the source reaches the snout which serves as a mechanical stop for the source.
- 5.5 Specimen exposure should be figured from the time that the source reaches the snout or stop.

## **OPERATIONS OF TECH/OPS, MODEL 680A PROJECTOR**

### 4.0 OPERATING PROCEDURES: ( Cont'd )

- 4.6 Control Unit: Determine the operating site of the control unit. For maximum safety, the operator should be located behind a protective barrier.
- 4.7 Lay out the control cable as straight as possible, directing toward the projector. Note that the bend radius should not be less than three feet. Smaller bend radii may restrict the movement of the control cable.

**NOTE: THE CONTROL CABLE SHOULD NOT BE SUBJECTED TO ANY UNDUE STRESS OF ABUSE WHICH COULD CAUSE RESTRICTIONS IN THE CABLE.**

- 4.8 Attach the control cable to the projector in accordance with the following sequence:
- 4.8.1 Unlock the projector with the key provided and turn the connector selector ring from the **LOCK** position to the **CONNECT** position. When the ring is in the **CONNECT** position, the storage cover will disengage from the projector.
- 4.8.2 Slide the control cable collar back and open the jaws of the control cable connector. This exposes the male position of the swivel connector as shown.
- 4.8.3 Engage the male and female positions of the swivel connector by depressing the spring-loaded locking pin toward the projector with the thumbnail. Release the locking pin and test that the connection has been properly been made.
- 4.8.4 Close the jaws of the control cable connector over the swivel-type connector.
- 4.8.5 Slide the control cable collar over the connector jaws. Hold the control cable collar flush against the projector connector and rotate the selector ring from the **CONNECT** position to the **LOCK** position until actual operation is ready to start.

**OPERATION OF TECH/OPS. MODEL 680A PROJECTOR**

1. SCOPE:

This procedure describes the operation of Radiographic Exposure Device Model 680A manufactured by Technical Operations, Incorporated.

2. RESPONSIBILITIES:

The Radiographer is responsible for operating the Radiographic Exposure Device described herein in strict accordance with this procedure. Procedures for the use of film badges, dosimeters, radiation survey instruments and the posting of radiation areas will be followed without deviation.

3.0 DESCRIPTION:

Technical Operations Exposure Device Model 680A is designed for the use with Cobalt 60. It has the capacity of 100 curies.

4.0 OPERATING INSTRUCTIONS:

- 4.1 Guide Tube Assembly: At the radiographic focal point, position and secure the snout of the master guide tube using the tripod stand and swivel clamps.
- 4.2 Remove the plastic dust caps and attach additional extender guide tubes, as necessary, to the master guide tube.
- 4.3 Determine the position of the projector ( source shield ) allowing for maximum possible operating shielding. Assuming appropriate shielding is available, the operator will be approximately thirty-five feet from the projector during actual operation.
- 4.4 Layout the guide tubes as straight as possible directing them toward the projector. Note that the bend radius of the guide tubes should not be under twenty inches. Smaller bend radii may restrict the movement of the control cable.
- 4.5 Remove the shipping plug from the projector connector and attach the last guide tube to the projector.

**CAUTION: NEVER OPERATE THE SYSTEM WITH MORE THAN THREE GUIDE TUBE SECTIONS ( INCLUDING THE MASTER ).**



# APPLICATION FOR MATERIAL LICENSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 325 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNRB 7114) U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150 0120) OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503

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.

## APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION  
DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR 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 HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
NUCLEAR MATERIALS SAFETY SECTION B  
475 ALLENDALE ROAD  
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  
NUCLEAR MATERIALS SAFETY SECTION  
101 MARIETTA STREET, SUITE 2900  
ATLANTA, GA 30333

## 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  
NUCLEAR MATERIALS SAFETY SECTION  
1460 MARIA LANE, SUITE 210  
WALNUT CREEK, CA 94606

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 34-24800-02

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

*Intermet Ironton Iron, Inc.*  
*P.O. 2520 SOUTH THIRD ST.*  
*IRONTON, OH. 45638*

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

*Intermet Ironton Iron, Inc.*  
*2520 SOUTH THIRD ST.*  
*IRONTON, OH. 45638*

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

*Paul K. Ingram*

## TELEPHONE NUMBER

*(614) 532-0009 EXT 238*

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.

*NO CHANGE*

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

*NO CHANGE*

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

*SEE ATTACHED*

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

*NO CHANGE*

## 9. FACILITIES AND EQUIPMENT.

*SEE ATTACHED*

## 10. RADIATION SAFETY PROGRAM.

*NO CHANGE*

## 11. WASTE MANAGEMENT.

*NO CHANGE*

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

FEE CATEGORY *RIN-3150-AF39* AMOUNT ENCLOSED \$ *13,000*

## 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

*Paul K. Ingram*

*Paul K. Ingram*

*Radiation Safety Officer*

*7-96*

## FOR NRC USE ONLY

## TYPE OF FEE

## FEE LOG

## FEE CATEGORY

## COMMENTS

## AMOUNT RECEIVED

## CHECK NUMBER

## APPROVED BY

## DATE

**DIVISION OF ACCOUNTING AND FINANCE  
REQUEST FOR REFUND TO EMPLOYEE/VENDOR**

THE EMPLOYEE/VENDOR IDENTIFIED BELOW HAS OVERPAID THE NUCLEAR REGULATORY  
COMMISSION FOR GOODS AND/OR SERVICES PROVIDED AND IS DUE A REFUND

EMPLOYEE/VENDOR/PAYEE CODE: \_\_\_\_\_

NAME: Fronton Iron Foundry, Inc.

ADDRESS: Attn: Paul K. Ingram

ADDRESS: 2520 South Third Street

CITY: Fronton STATE: OH ZIP: 45638

TRANS CODE: PX

TRANS TYPE: FE FUND: X5280 JOB CODE: \_\_\_\_\_ AMOUNT: \$420<sup>00</sup>

TRANS TYPE: IR FUND: R1435 JOB CODE: INTR AMOUNT: \_\_\_\_\_

TRANS TYPE: IR FUND: R1099 JOB CODE: ADCH AMOUNT: \_\_\_\_\_

TRANS TYPE: IR FUND: R1099 JOB CODE: FINE AMOUNT: \_\_\_\_\_

TOTAL REFUND AMOUNT: \$420<sup>00</sup>

COMMENTS: Lic 34-24800-01/02/CK 84096/Rfnd  
8/2/96 - Reg

(limit comments to 40 characters, including spaces)

PREPARED BY: Shirley Crutchfield DATE: Sept. 24, 1996

AUTHORIZED BY: Sandra Kimberly DATE: 9/24/96

ORIGINAL INV. NO: \_\_\_\_\_ DATE PAID: \_\_\_\_\_ AMOUNT: \_\_\_\_\_

REFUND ENTERED INTO COLLECT BY: \_\_\_\_\_

REFUND DETERMINED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

Aug 8 III

Sep 9 III

3P AMD #300

30 20

301845

PLEASE ATTACH APPROPRIATE SUPPORTING DOCUMENTATION

AMD #720

84096 Dtd 9/13/96

#1440

201712/301846 - Continued

SEP 27 1996

Paul K. Ingram  
Radiation Safety Officer  
Ironton Iron, Incorporated  
P.O. Box 98  
Ironton, OH 45638

Dear Mr. Ingram:

Enclosed is Amendment No. 06 to your NRC Material License No. 34-24800-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please note: we have added five years to the expiration date listed on your license. You should have recently received official notification from our headquarters office explaining the cause for the five-year extension. In the meantime, if you have any questions, please call me.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
  - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
  - b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.

4. Request and obtain a license amendment before you:
  - a. Change Radiation Safety Officers;
  - b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
  - c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
  - d. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,  
Original Signed By  
Loren J. Hueter  
Nuclear Materials Licensing Branch

License No.: 34-24800-01  
Docket No.: 030-29539  
Enclosure: Amendment No. 06

DOCUMENT NAME: M:\03029539.CL6

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DATE	09/25/96	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
801 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4351

September 19, 1996

Paul Ingram  
Radiation Safety Officer  
Ironton Iron Incorporated  
P. O. Box 98  
Ironton, OH 45638

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE  
(Letter & Application Dated 09/04/96)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

☐ New License                      ☒ Amendment                      ☐ Renewal  
☐ Termination                      ☐ Auth User (Amendment not required)  
☐ Other \_\_\_\_\_

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 301845 & 301846  
License No. 34-24800-01 & 34-24800-02