

MATERIALS LICENSE

Amendment No. 04

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.

Licensee		In accordance with letter dated August 2, 1996	
1. Ironton Iron, Inc.		3. License Number 34-24800-02 is amended in its entirety to read as follows:	
2. P. O. Box 98 Ironton, OH 45638-0098		4. Expiration Date August 31, 2000	
		5. Docket or Reference No. 030-31659	
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. Cobalt-60	A. Sealed Sources (Amersham Model A-424-14)	A. 5 sources not to exceed 50 curies per source	

9. Authorized Use:

For use in Amersham Model 680A exposure device for industrial radiography and Amersham Model 771 source changers for storage and replacement of sources.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 2520 South Third Street, Ironton, Ohio.
11. Licensed material shall be used by, or under the supervision and in the physical presence of, Paul K. Ingram, Radiation Safety Officer, or individuals who have been trained as specified in application dated March 28, 1990 and letter dated May 29, 1990 (with attachments). The licensee shall maintain records of individuals designated as users.
- A. The Radiation Safety Officer for this license is Paul K. Ingram.
- B. The Alternate Radiation Safety Officer for this license is Deron K. Rodehaver.

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PDR ADOCK 03031659
C PDR

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

34-24800-02

Docket or Reference Number

030-31659

Amendment No. 04

12. A. Notwithstanding the periodic leak test required by Section 34.25(b) of 10 CFR Part 34, such requirement does not apply to radiography sources that are stored and not being used. The sources excepted from this test shall be tested for leakage before use or transfer to another person.
- B. Sealed sources authorized for a use other than radiography shall be tested as radiography sources in accordance with Section 34.25 of 10 CFR Part 34.
13. The licensee is authorized to receive, possess, and use sealed sources of cobalt-60 where the radioactivity exceeds the maximum amount of radioactivity specified in this license provided:
 - A. Such possession does not exceed the quantity per source specified in Item 8, by more than 10% for cobalt-60;
 - B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in this license was ordered from the supplier or transferrer of the byproduct material; and
 - C. The levels of radiator for radiographic exposure devices and storage containers do not exceed those specified in Section 34.21 of 10 CFR Part 34.
14. Pursuant to 10 CFR Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of uranium contained as shielding material in the radiography exposure devices and source changers authorized by this license.
15. Sealed sources containing licensed material shall not be opened.
16. The licensee shall implement the internal inspection program as described in Item 10., Section 1, Page 11 of attachment to licensee's letter dated May 29, 1990 for Radiographers' Assistants.
17. The orientation of the collimator (as described in the polaroid accompanying licensee's May 29, 1990 letter) shall be fixed in such a way as to direct the beam away from the roof.

COPY

**MATERIALS LICENSE
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18. 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 U.S. 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 March 28, 1990, May 5, 1995, September 18, 1995;
 - B. Letters dated May 29, 1990 (with attachments), August 14, 1991, May 31, 1995, September 18, 1995, September 19, 1995, August 2, 1996 (with enclosed undated application and modified procedures) 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. Hester
Nuclear Materials Licensing Branch, Region III

COPY

03031659
34-24800-02

To: NRC - Records Dept.

A

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 Changes
- * 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

Log	Aug 8 III
Remitter	
Check No.	84096
Amount	(81440) \$ 720
Fee Category	30 20
Type of Fee	Amp
Date Check Rec'd	8/20/96
Date Completed	9/20/96
By	SC

1 CK-2 actions
See CN 301845
301846 Combined
w/ 301712

RECEIVED
AUG 12 1996
REGION III

AUG 12 1996

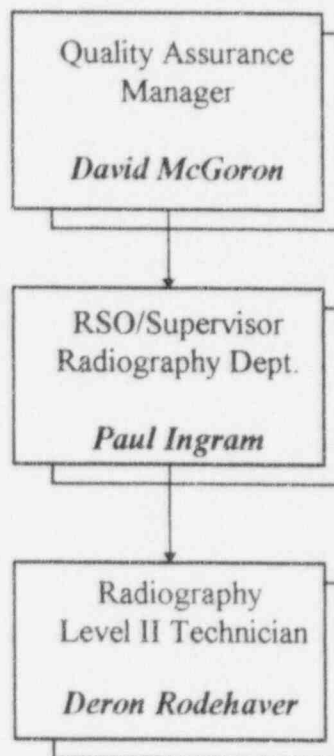
8/8/96
(License called & advised
this action was being funded to RIII.)

Orig to RIII 8/8/96.
* Fee sheet Not Returned from RIII w/ completed
sent 9/24/96

311712

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 ADDITINAL 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 3.75 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (IMRB) 77141 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 20565

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 2000
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
1450 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)

~~Intermett Iron~~ Intermett Iron, Inc.
P.O. 2520 SOUTH THIRD ST.
INCOTON, OH. 45638

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

~~Intermett Iron~~ Intermett Iron, Inc.
2520 SOUTH THIRD ST.
INCOTON, 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 AIN-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

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

AMOUNT RECEIVED

CHECK NUMBER

APPROVED BY

DATE

SEP 26 1996

Paul K. Ingram
Radiation Safety Officer
Ironton Iron, Inc.
P.O. Box 98
Ironton, OH 45638-0098

Dear Mr. Ingram:

Enclosed is Amendment No. 04 to your NRC Material License No. 34-24800-02 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;

301712

- 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.: 34-24800-02
Docket No.: 030-31659

Enclosures: 1. Amendment No. 04
2. NRC Form 313

DOCUMENT NAME: M:\03031659.CL6

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII	<input checked="" type="checkbox"/>						
NAME	LHUEYER:jaw	<input checked="" type="checkbox"/>						
DATE	09/15/96	<input checked="" type="checkbox"/>						

OFFICIAL RECORD COPY

CONVERSATION RECORD

TIME

DATE

8-15-96

☐ VISIT☐ CONFERENCE☒ TELEPHONE☐ INCOMING☒ OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT

ORGANIZATION (OFFICE, DEPT. ETC.)

TELEPHONE NO.

Aaron Rodenhiser, Radiography Division, Incon
in absence of Paul Ingram, P.S.D.

614-

532-0009 x 238

SUBJECT

CK 301712

SUMMARY

I asked if they still have Amersham Model 680 exposure device in storage because I didn't want to write it if they still have it. Aaron said no, that the 680 unit had been returned to Amersham and modified to a Model 680 A. Aaron informed that the Radiography Dept. organization chart was for information or courtesy only and was not for purpose of any kind of change. I also told him the Amersham Model 771 source changer meets 10 CFR 34.20 criteria so I planned to only change Lic. Item 9. A to reflect the modified (680A) exposure device and the down the 8-2-96 letter which orders procedure modification for the 680 A. I also discussed whether

an amendment fee was exempted for changes mandated by NRC as claimed in their letter. I told him I had asked that question to FRC and if a fee was required, either FRC or RTH would contact them and the amendment would be paid.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Loren Hunter

8-15-96

ACTION TAKEN

SIGNATURE

TITLE

DATE

CONVERSATION RECORD

TIME

DATE

8-26-96

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☐ INCOMING

☒ OUTGOING

ROUTING

NAME/SYMBOL

INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

ORGANIZATION (Office, dept., bureau, etc.)

TELEPHONE NO.

Shirley Crutchfield

FWS

301-415-6097

SUBJECT

SN 301712

SUMMARY

Shirley confirmed that subject amendment request is subject to an amendment fee. She said she will call the licensee to relay that message & that the issuance of amendment will be held up pending receipt of fee.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

L. Hunter

8-26-96

ACTION TAKEN

SIGNATURE

TITLE

DATE