

MATERIALS LICENSE

Amendment No. 27

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.

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Licensee		In accordance with letter dated January 10, 1997
1. Harrison Steel Castings Company		3. License Number 13-02141-01 is amended in its entirety to read as follows:
2. P. O. Box 60 Attica, IN 47918		4. Expiration Date August 31, 2000
		5. Docket or Reference No. 030-04335
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. Iridium-192	A. Sealed Sources (Technical Operations Model A-424-9)	A. Not to exceed 100 curies per source
B. Cobalt-60	B. Sealed Sources (Amersham Model A-424-14)	B. Four sources not to exceed 100 curies per source
C. Uranium depleted in uranium-235	C. Solid Metal	C. Not to exceed 999 kilograms total possession limit
9. Authorized Use:		
A. For use in Technical Operations Model 660AE exposure device for industrial radiography and Technical Operations Model 650L source changers for storage and replacement of sources.		
B. For use in Amersham Model 680AE and 680BE exposure device for industrial radiography and Amersham Model 771 source changers for storage and replacement of sources.		
C. For shielding in radiographic exposure devices, source changers and collimators.		

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at
900 Mound Street, Attica, Indiana.

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PDR ADOCK 03004335
C PDR

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

13-02141-01

Docket or Reference Number

030-04335

Amendment No. 27

11. A. Licensed material shall be used by, or under the supervision and in the physical presence of, Harold McBride, or Dave Hollander, or individuals who have been trained as specified in application dated January 16, 1990 and letter dated June 6, 1990. The licensee shall maintain records of individuals designated as users.
- B. The Radiation Safety Officer for this license is William D. Hollander.
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 iridium-192 or 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 20% for iridium-192 or 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 transferor of the byproduct material; and
 - C. The levels of radiation for radiographic exposure devices and storage containers do not exceeds those specified in Section 34.21 of 10 CFR Part 34.
14. Sealed sources containing licensed material shall not be opened.
15. The electrical interlock as described in licensee's letter dated July 11, 1990, shall be tested for proper operation at intervals not to exceed three months. Records of these tests shall be maintained for three years.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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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 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. Application dated January 16, 1990;
 - B. Letters dated September 20, 1980, June 6, 1990, July 11, 1990, March 1, 1996; and January 27, 1997; and
 - C. Letter received August 29, 1994.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

2/5/97

By

James Mullawey
Nuclear 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 28
Exp. Date: 20000831
Fee Comments:
Decom Fin Assur Rec'd N

ARM 28 JAN 9:22

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: HARVISON STEEL CASTINGS COMPANY
Received Date: 970117
Docket No: 3004335
Control No: 302222
License No: 13-02141-01
Action Type: Amendment

2. FEE ATTACHED

Amount: 720
Check No: 35625

3. COMMENTS

Signed
Date

D. Harvey
1-12-97

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / ☒ /)

1. Fee Category and Amount: (30) 28 \$720

2. Correct Fee Paid. Application may be processed for:

Amendment ☒
Renewal ☐
License ☐

3. OTHER

Signed
Date

SC
1/29/97

FEB 10 1997

Log	<i>ARM 10 III</i>
Remitter	
Check No.	<i>35625</i>
Amount	<i>\$720</i>
Fee Category	<i>30 28</i>
Type of Fee	<i>Am</i>
Date Check Rec'd	<i>1/28/97</i>
Date Completed	<i>1/29/97</i>
By:	<i>SC</i>

THE HARRISON STEEL CASTINGS CO.

POST OFFICE BOX 60

PHONE 317-762-2481

ATTICA, INDIANA 47918

January 10, 1997

U.S. Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532-4351
Attention: Licensing Division

Reference: License No. 13-02141-01
Subject: Request for Amendment

The Harrison Steel Casting Company, Inc., requests that its materials license be amended as described in the following paragraphs.

1. Add Brian Stultz to the list of individuals responsible for radiation safety. Brian started as a radiographer trainee on January 11, 1993. He was trained, tested, and certified under the Harrison Steel Casting and SNT-TC-1A training programs. He passed the written radiographer's assistant test on March 11, 1993, and the field examination on April 22, 1993. He passed the combined SNT-TC-1A Radiographic Level I/Radiographer examination on June 14, 1993, and the SNT-TC-1A Radiographic Level II examination on August 17, 1994. Brian was interviewed by Toye Simmons during her safety inspection the facility on January 25, 1994. *NOTE: The preceding information was included with the license renewal request in 1995 that was later returned when the license was extended for five years.*
2. Add the following sources and kits for leak testing sealed sources and S-tubes in depleted uranium-shielded exposure devices:
 - A. ICN Kit No. Q1
ICN Dosimetry Services
P.O. Box 19536
Irvine, CA 92713
California License No. 100-555-0.
 - B. Amersham Kit No. 518
Amersham Corporation
40 North Avenue
Burlington, MA 01803
NRC License No. 20-12836-01.

RECEIVED

JAN 17 1997

REGION III

pm: 1-14-97

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JAN 17 1997

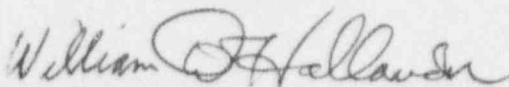
3. Harold McBride, Dave Hollander, Dick Estes, Kerry Randles, Brett Slinker, and Brian Stultz are qualified to perform the wipe tests of sealed sources and of the S-tubes for DU contamination using the above leak test kits.

For your information, Brett Slinker successfully completed the Amersham Sentinel seminar on the "Inspection and Maintenance of Industrial Radiography Equipment." Brett will be performing the routine maintenance and repair on the exposure devices and auxiliary equipment, and will train other department personnel in these activities. As before any required maintenance or repair involving the shielding, modifications to an exposure device, etc. will be performed only by licensed Amersham personnel.

A check in the amount of \$720.00 is enclosed.

Please call me at 317-762-2481 if there are any questions or if more information is needed.

Sincerely yours,



William D. Hollander
Radiation Safety Officer

FEB 06 1997

William D. Hollander
Radiation Safety Officer
Harrison Steel Castings Company
P. O. Box 60
Attica, IN 47918

Dear Mr. Hollander:

Enclosed is Amendment No. 27 to your NRC Material License No. 13-02141-01 in accordance with your request.

We have extended your expiration date by five years. Please refer to our letter dated May 6, 1996, which discusses the recent regulatory change that grants a one-time five-year extension for certain licenses.

Please note that we have deleted License Condition No. 16 which required that you, as the licensee, maintain records of information important to safe and effective decommissioning until the NRC terminates this license. The condition is deleted because the NRC states the same requirement in the regulations under 10 CFR 30.35(g). We advise you that the NRC still requires that you comply with that requirement.

Please also note that because of NRC procedural change, License Condition No. 14 which authorized depleted uranium as shielding in radiographic equipment was deleted and is now listed in line Item No. 6 of your NRC license.

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 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.

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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,

W. Hollander

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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
James R. Mullauer, M.P.S.
Health Physicist
Nuclear Materials Licensing Branch

License No. 13-02141-01
Docket No. 030-04335

Enclosures:

1. Amendment No. 27
2. NRC Ltr dated 05/06/96

DOCUMENT NAME: M:\03004335.CL7

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								
NAME	JRMullauer:brt								
DATE	02/5/97								

OFFICIAL RECORD COPY

THE HARRISON STEEL CASTINGS CO.

POST OFFICE BOX 80

PHONE 317-762-2481

ATTICA, INDIANA 47918

January 27, 1997

U.S. Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532-4351
Attention: Jim Mullauer
Licensing Division

Reference: License No. 13-02141-01
Subject: Request for Amendment

The Harrison Steel Casting Company, Inc., requests that its materials license be amended as described in the following paragraphs. *NOTE: This request replaces that dated January 10, 1997.*

Leak testing of sealed sources and S-tubes in depleted uranium-shielded exposure devices will be performed using one of kits listed below or a kit from another vendor who is licensed by the NRC or their state to supply leak testing services.

- A. ICN Kit No. Q1
ICN Dosimetry Services
P.O. Box 19536
Irvine, CA 92713
California License No. 100-555-0.
- B. Amersham Kit No. 518
Amersham Corporation
40 North Avenue
Burlington, MA 01803
NRC License No. 20-12836-01.

For your information, Brett Slinker successfully completed the Amersham Sentinel seminar on the "Inspection and Maintenance of Industrial Radiography Equipment." A copy of his certificate is enclosed. Brett will be performing the routine maintenance on the exposure devices and auxiliary equipment, and will train other department personnel in these activities. As before any required maintenance or repair involving the shielding, modifications to an exposure device, etc. will be performed only by licensed Amersham personnel.

RECEIVED

JAN 30 1997

REGION III

pm: 1-28-97

JAN 30 1997

A check in the amount of \$720.00 was sent with the request dated January 10, 1997.

Please call me at 317-762-2481 if there are any questions or if more information is needed.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "William D. Hollander".

William D. Hollander
Radiation Safety Officer

11-147

SENTINEL™

hereby certifies

BRETT ALAN SLINKER

has successfully completed a seminar on the
"Inspection and Maintenance of Industrial Radiography Equipment"

ATTESTED: 13 November 1996

Cathleen M. Roughan

CATHLEEN M. ROUGHAN
REGULATORY AFFAIRS
MANAGER

David F. Ward

DAVID WARD - INSTRUCTOR

Amersham QSA

CONVERSATION RECORD

TIME

DATE

9 a.m.

1/27/96

☐ VISIT☐ CONFERENCE☒ TELEPHONE☐ INCOMING☒ OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT

ORGANIZATION (OFFICE, DEPT. ETC.)

TELEPHONE NO.

Dave Hollander, RSO
Harrison Steel Castings Company
317-762-2481

SUBJECT

Amendment request dated 1/10/97

SUMMARY

I spoke with Dave concerning the following:

1. Item No. 1 of his request adds Brian Stultz to the list of individuals responsible for radiation safety. I discussed the fact that this license authorizes inhouse training and that any individual that successfully completes the training program is an individual responsible for radiation safety. I don't see any need to add trained individuals as being responsible for radiation safety. By virtue of proper training automatically make the person responsible. Dave agreed and will delete this request.
2. Dave will modify this leak test kit authorization and add a statement that "or any kit that has been reviewed and approved by NRC or an Agreement State.
3. As with item No. 1, listing individuals who can perform leak tests is not necessary since any individual properly training in the inhouse training course would be qualified to perform leak testing of radiographic equipment. Dave agreed and will drop this request.
4. Concerning the last paragraph, Dave will delete the word "repair" and will provide a copy of the training certificate for Brett Slinker

This action is certified by

Doug Mullaney 2/5/97

ACTION REQUIRED

Doug Mullaney 1/27/97

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

ACTION TAKEN

SIGNATURE

TITLE

DATE



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

January 23, 1997

William D. Hollander
Radiation Safety Officer
Harrison Steel Castings Company
P. O. Box 60
Attica, IN 47918

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 01/10/97)

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. 302222
License No. 13-02141-01