

MATERIALS LICENSE

Amendment No. 10
CORRECTED COPY

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

1. Mid American Inspection
Services, Inc.2. 1206 Effie Road
Gaylord, MI 49735In accordance with application dated
July 14, 19943. License Number 21-26060-01 is renewed in
its entirety to read as follows:

4. Expiration Date September 30, 2001

5. Docket or
Reference No. 030-311606. Byproduct, Source, and/or
Special Nuclear Material7. Chemical and/or Physical
Form8. Maximum Amount that Licensee
May Possess at Any One Time
Under This License

A. See Condition 10.

B. Iridium-192

C. Uranium depleted
uranium-238

D. Cesium-137

A. Sealed Sources

B. Sealed Sources
(Spec Mo.G-23)

C. Solid metal

D. Sealed Source
(Amersham Model 77302)

A. See Condition 10.

B. Not to exceed
10 curies per
sourceC. Not to exceed 999
kilograms total
possession limitD. One source not to
exceed 165 millicuries

9. Authorized Use:

A. For use in industrial radiography.

B. To be used in Gamma Industries Pipliner Model 1 for controlling the movement of Automatic X-ray Crawlers within pipelines during industrial radiographic operations. Source exchange shall be performed by the device manufacturer or other persons specifically authorized to perform such services.

C. For shielding in exposure devices and source changers.

D. For use in a Amersham Model 773 calibrator device for calibration of the licensee's own survey instrumentation.

CONDITIONS

10. Sealed Sources, Exposure Devices and Source Changers authorized for industrial radiography are as follows:

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<u>Isotope</u>	<u>Maximum Activity Per Sealed Source</u>	<u>Manufacturer's Name and Model No. of Sealed Source</u>	<u>Manufacturer's Name and Model No. of Exposure Device</u>	<u>Manufacturer's Name and Model No. of Source Changer</u>
A. Iridium-192	100 curies	Amersham 89913	Tech/Ops 520	Amersham 650 Gamma Industries C-10 Spec C-1
B. Iridium-192	100 curies	Spec G-3F Spec G-1F Amersham 89911	Gamma Industries Century S	Gamma Industries C-10 Spec C-1 Amersham 650
C. Iridium-192	100 curies	Spec G-3F Amersham 89912	Gamma Industries Century SA	Gamma Industries C-10 Spec C-1 Amersham 650
D. Ir-192	120 curies	Amersham 87703	Industrial Nuclear IR-100	Amersham 650 or 650L
E. Ir-192	120 curies	Amersham 89916	Industrial Nuclear IR-100	Amersham 820
F. Ir-192	100 curies	SPEC G-40 F SPEC G-40T	Industrial Nuclear IR-100	SPEC C-1
G. Ir-192	100 Ci	AMSHM A-424-9	Amersham 660A Amersham 660B Amersham 660 System	AMSHM 650L
H. Ir-192	100 Ci	SPEC T-5 SPEC T-5F	Amersham 660A Amersham 660B Amersham 660 System	SPEC C-1
I. Ir-192	100 curies	Industrial Nuclear 32 or 33	Industrial Nuclear IR-100	Industrial Nuclear IR-50

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11. Licensed material may be stored at the licensee's facilities located at 1206 Effie Road, Gaylord, Michigan and may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
12. The Radiation Safety Officer for this license is Terry Wilkins.
13. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated July 14, 1994 and letter dated September 6, 1996 and have been approved in writing by the Radiation Safety Officer.
14.
 - A. Notwithstanding the periodic leak test required by 10 CFR 34.25(b), the requirement does not apply to radiography sources that are stored and not being used. The sources exempted from this test shall be tested for leakage before use or transfer to another person. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
 - B. Sealed sources authorized for a use other than radiography shall be tested for leakage in accordance with 10 CFR 34.25.
15. 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 percent for iridium-192 or 10 percent for cobalt-60; and
 - 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 exceed those specified in 10 CFR 34.21.
16. Sealed sources containing licensed material shall not be opened.
17. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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18. Notwithstanding the requirements of 10 CFR 34.20(a), and pursuant to 10 CFR 34.51, radiographic equipment authorized for use in radiographic operations under this license need not comply with the torque criteria of Section 8.9.2(c) of American National Standard N432-1980.
19. 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 July 14, 1994 (with attachments); and
- B. Letters dated November 15, 1994, June 6, 1996 and September 6, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date OCT 15 1996

By

Deborah J. Astma
Nuclear Materials Licensing Branch, Region III

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OCT 17 1996

Terry L. Wilkins
Radiation Safety Officer
Mid American Inspection
Services, Inc.
1206 Effie Road
Gaylor, MI 49735

Dear Mr. Wilkins:

It has come to our attention that Amendment Number 10 to License Number 21-26060-01 issued on September 20, 1996 contained an error. We omitted your authorization to use a cesium-137 calibration source.

Enclosed is a corrected copy. We apologize for any inconvenience this may have caused you.

Sincerely,

Original Signed By
Deborah A. Piskura
Nuclear Materials Licensing Branch

License No.: 21-26060-01
Docket No.: 030-31160

Enclosure: Corrected Copy of
Amendment No. 10

DOCUMENT NAME: M:\03031160.CCE

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DATE	10/15/96								

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