

MATERIALS LICENSE

Amendment No. 07
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. Conam Inspection

2. 1245 W. Norwood
Itasca, IL 60143In accordance with letter dated
November 1, 19963. License Number 12-16559-01 is amended
in its entirety to read as follows:

4. Expiration Date August 31, 2003

5. Docket or
Reference No. 030-313736. 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. Cobalt-60

A. Sealed Sources
(Amersham Model 571)A. No single source to
exceed 15 millicuries

B. Cesium-137

B. Sealed Sources
(Gulf Nuclear Model
CSV)B. No single source to
exceed 300 millicuries

C. See Condition 10.

C. Sealed Sources

C. See Condition 10.

D. See Condition 11.

D. Sealed Sources

D. See Condition 11.

E. Iron-55

E. Sealed sources
(Texas Nuclear
Model 696-696863)E. No single source to
exceed 45 millicuries

F. Cadmium-109

F. Sealed sources
(Texas Nuclear Model
696-696873)F. No single source
to exceed
5 millicuries

G. Americium-241

G. Sealed sources
(Texas Nuclear Model
696-696803)G. No single source
to exceed 0.5
microcuries

H. Iron-55

H. Sealed sources
(Amersham Model
IEC.D1)H. No single source to
exceed 45 millicuries

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6. 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

I. Cadmium-109

I. Sealed sources
(Amersham Model
CUC.D1)I. No single source
to exceed
5 millicuriesJ. Uranium depleted
in Uranium-235

J. Solid Metal

J. Not to exceed
999 kilograms
total possession
limit

9. Authorized Use:

A. For storage only.

B. For use in Gulf Nuclear Model IC-51 instrument calibration unit for calibration of the licensee's survey instrumentation.

C. For use in industrial radiography.

D. For storage only incident to disposal.

E. through G. To be used in a Texas Nuclear Corp. Model 9266 X-ray fluorescence analyzer.

H. and I. To be used in a Texas Nuclear Corp. Model 9277 metallurgist X-ray analyzer.

J. For shielding in radiographic exposure devices, source changers and collimators.

CONDITIONS

10. Sealed sources, exposure devices, and source changers authorized for use are as follows:

<u>Isotope</u>	<u>Maximum Activity Per Sealed Source</u>	<u>Manufacturer's Name & Model No. of Sealed Source</u>	<u>Manufacturer's Name & Model No. of Exposure Device</u>	<u>Manufacturer's Name & Model No. of Source Changer</u>
A. Cobalt-60	100 curies	AMSHM A-424-14	AMSHM 680A or 680B	AMSHM 771

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<u>Isotope</u>	<u>Maximum Activity Per Sealed Source</u>	<u>Manufacturer's Name & Model No. of Sealed Source</u>	<u>Manufacturer's Name & Model No. of Exposure Device</u>	<u>Manufacturer's Name & Model No. of Source Changer</u>
B. Iridium-192	100 curies	AMSHM A 424-9, Ind. Nuclear 7, RTS Technology 702, or SPEC T5, T5-F or T7-F	AMSHM 660 System	AMSHM 650L, Ind. Nuclear IR-50, or SPEC C-1
C. Iridium-192	100 curies	Ind. Nuclear 32 AMSHM 87703 Spec G-40F or G-40T	Ind. Nuclear IR-100	Ind. Nuclear IR-50, or AMSHM 650L
D. Iridium-192	150 curies	Spec G60	Spec 150	C-1

11. Sealed sources, exposure devices, and source changers authorized for storage are as follows:

<u>Isotope</u>	<u>Maximum Activity Per Sealed Source</u>	<u>Manufacturer's Name & Model No. of Sealed Source</u>	<u>Manufacturer's Name & Model No. of Exposure Device</u>	<u>Manufacturer's Name & Model No. of Source Changer</u>
A. Iridium-192	200 curies	AMSHM A58101-8	AMSHM 616	None
B. Cobalt-60	75 curies	AMSHM A-424-8 or A-453-1 or	AMSHM 446	AMSHM 770
C. Cobalt-60	100 curies	AMSHM 36907	AMSHM Multitron 151H	GI, C-8
D. Cobalt-60	100 curies	AMSHM A424-8	AMSHM 500	770

12. Licensed material may be used at the following locations:

- A. 4000 Lockbourne Road, Columbus, Ohio.
- B. 2090 East 15th Avenue, Gary, Indiana.
- C. River Road and Buttonwood Streets, Reading, Pennsylvania.

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Licensed material may only be stored at 240 Upper River Road, Route 7, Gallipolis, Ohio.

Licensed material also 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.

13. The Radiation Safety Officer for this license is Robert J. Slack.
14. 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 March 29, 1993 and letter dated July 22, 1993 and have been approved in writing by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for five years following the last use of licensed material by the individual.
15. 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.
16. 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; 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.
17. Sealed sources containing licensed material shall not be opened by the licensee.
18. 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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19. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
20. 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 29, 1993, March 10, 1994; and
- B. Letters dated July 22, 1993, April 14, 1994, May 5, 1994, November 1, 1996 (excluding the Radiation Safety Administrative Manual and Operating and Emergency Procedures Manual), December 31, 1996 (with attachments), January 14, 1997, February 4, 1997, and February 14, 1997.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

4/2/97

By

Kevin A. Hulse

Nuclear Materials Licensing Branch, Region III

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APR 03 1997

Robert J. Slack
Radiation Safety Officer
Conam Inspection
1245 W. Norwood
Itasca, IL 60143

Dear Mr. Slack:

It has come to our attention that Amendment Number 07 to License No. 12-16559-01 issued on February 21, 1997 contained an error.

Enclosed is a corrected copy reflecting the deletion of locations of use in the agreement state of Massachusetts. We apologize for any inconvenience this may have caused you.

Sincerely,

Original Signed By
Charles F. Gill
Nuclear Materials Licensing Branch

License No. 12-16559-01
Docket No. 030-31373

Enclosure: Corrected Copy of
Amendment No. 07

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DATE	04/02/97								

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