

AUG 21 1985

License No. 37-00276-25
Docket No. 030-05985
Control No. 104015

Pittsburgh Testing Laboratories
ATTN: M. Y. Ruyan, President
850 Poplar Street
Pittsburgh, Pa 15220

Gentlemen:

Please find enclosed an amendment to your NRC Material 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 Region I Material Licensing Section, (215) 337-5239, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Please note that Amendment No. 43 incorporates Part IV.A. of the NRC's order dated May 24, 1985 as Condition 12.C. Additionally, Condition 12.B indicates you have fulfilled Part IV.B. of the order. Therefore, you may resume the licensed activities authorized for your 4734 Spring Road, Brooklyn Heights, Ohio (Cleveland Ohio District) office under License No. 37-00276-25.

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an 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, 10 CFR Part 2, Appendix C.

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We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:

Jenny M. Johansen

Jenny M. Johansen, M.S.
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 43
2. Requirements for Materials Licensees
3. NRC Forms 3 and 313
4. Regulatory Guides Proposed Revision 2 to Regulatory Guide 10.6, Task FC 401-4 (October 1984).
5. Agreement State List

RI:DRSS

Johansen/mlb

8/15/85

RI:DRSS

Glenn

8/16/85

~~RI:DRSS~~

~~Joyner~~

~~8/1/85~~

~~RI:DRSS~~

~~Martin~~

~~8/1/85~~

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MATERIALS LICENSE

Amendment No. 43

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, 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); and to import such byproduct and source material. 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. Pittsburgh Testing Laboratories 2. 850 Poplar Street Pittsburgh, Pennsylvania 15220	In accordance with enclosures dated June 21, 1985 3. License number 37-00276-25 is amended in its entirety to read as follows: 4. Expiration date May 31, 1986 5. Docket or Reference No. 030-05985	
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 (PTL Model 1, Gamma Industries Model GP, or SPEC Model G-23)	A. No single source to exceed 50 curies
B. Iridium 192	B. Sealed Sources (PTL Model 1, Gamma Industries Model GP, or SPEC Model G-23)	B. No single source to exceed 100 curies
C. Iridium 192	C. Sealed Sources (PTL Model 1, Gamma Industries Model GP, or SPEC Model G-23)	C. No single source to exceed 100 curies
D. Iridium 192	D. Sealed Sources (PTL Model 1, Gamma Industries Model GP, or SPEC Model G-23)	D. No single source to exceed 150 curies
E. Iridium 192	E. Sealed Sources (Gamma Industries Model A-1-A or SPEC Model G-1)	E. No single source to exceed 100 curies
F. Iridium 192	F. Sealed Sources (Gamma Industries Model R-2-A)	F. No single source to exceed 100 curies
G. Iridium 192	G. Sealed Sources (Gamma Industries Model R-1-A)	G. No single source to exceed 100 curies
H. Iridium 192	H. Sealed Sources (Gamma Industries Model R-1-A)	H. No single source to exceed 50 curies
I. Iridium 192	I. Sealed Sources (Gamma Industries Model R-1-A)	I. No single source to exceed 35 curies
J. Cobalt 60	J. Sealed Sources (Gamma Industries Model R-6-A)	J. No single source to exceed 100 curies
K. Cobalt 60	K. Sealed Sources (Gamma Industries Model R-5-A)	K. No single source to exceed 35 curies
L. Cobalt 60	L. Sealed Sources (Gamma Industries Model R-4-A)	L. No single source to exceed 10 curies
M. Cobalt 60	M. Sealed Sources (Gamma Industries Model B-2-G)	M. No single source to exceed 10 curies
N. Cobalt 60	N. Sealed Sources (Gamma Industries Model A-3-A or SPEC Model G-9)	N. No single source to exceed 5 curies

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(continued)

CONDITIONS

11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections," Part 20, "Standards for Protection Against Radiation" and Part 34, "Licenses for Radiography and Radiation Safety Requirements for Radiographic Operations."
12. A. Licensed material shall be used by, or under the supervision and in the physical presence of, W. H. Levelius, Liason Officer or individuals meeting the criteria in 10 CFR 34.31(a) and who have completed the training outlined in applications dated July 19, 1979 and February 6, 1980; and letters dated September 10, 1980 and April 24, 1981.
B. The Radiation Protection Officer for the activities authorized by this license for the licensee's facilities, 4734 Spring Road, Brooklyn Heights, Ohio (Cleveland Ohio District) shall be Clarence Lee Mason.
C. Mr. Richard D. Biasella shall not serve as a Radiation Safety Officer or in any other position involving the performance or supervision of any licensed activities including the supervision of any Radiation Safety Officer, in accordance with Part IV.A. of Order dated May 24, 1985.
13. A. Pursuant to Section 34.25, 10 CFR 34, the licensee is authorized to perform tests for leakage or contamination of the sealed sources authorized by this license in accordance with procedures contained in applications dated July 19, 1979 and February 6, 1980.
B. Notwithstanding the periodic leak test required by Section 34.25(b), 10 CFR 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 prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
C. Sealed sources authorized for a use other than radiography shall be tested as radiography sources in accordance with Section 34.25 of 10 CFR 34.
14. 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 Item 8 of 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 Item 8 of the 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 Section 34.21, 10 CFR 34.

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(6., 7., 8., continued)

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

O. Cobalt 60

O. Sealed Sources (Gamma Industries Model T-2-T or SPEC Model T-4)

O. No single source to exceed 50 curies

P. Strontium 90

P. Sealed Sources (Jordan Electronics Model BB2500)

P. No single source to exceed 40 microcuries

Q. Krypton 85

Q. Sealed Sources (Jordan Electronics Model BB0005)

Q. No single source to exceed 60 microcuries each

R. Cobalt 60

R. Sealed Sources (PTL Model 1, Gamma Industries Model GP, or SPEC Model G-23)

R. No single source to 50 millicuries

S. Cobalt 60

S. Gamma Industries Model A-5-A Sealed Sources

S. No single source to exceed 100 curies

T. Cesium 137

T. Sealed Sources (ORNL Model 2339A)

T. No single source to exceed 5 curies

U. Iridium 192

U. Technical Operations Model A-424-1 Sealed Sources

U. No single source to exceed 10 curies

9. Authorized use

- A. To be used in Pittsburgh Testing Laboratory Model 100 exposure device for industrial radiography.
- B. To be used in Pittsburgh Testing Laboratory Model 125 U exposure device for industrial radiography.
- C. To be used in Gamma Industries Pipeliner Model exposure device for industrial radiography.
- D. To be used in Pittsburgh Testing Laboratory Model 230 U exposure device for industrial radiography.
- E. To be used in Gamma Industries Century Model exposure device for industrial radiography and in Gamma Industries Model C-10 or SPEC Model C-1 source changers for transfer and storage.
- F. To be used Radionics Model P-192-100 U exposure device for industrial radiography and in Gamma Industries Model C-10 for transfer and storage.
- G. To be used in Radionics Model P-192-100 exposure device for industrial radiography and in Gamma Industries Model C-4 source changers for transfer and storage.
- H. To be used in Radionics Model P192-50 exposure device for industrial radiography and in Gamma Industries Model C-4 source changers for transfer and storage.
- I. To be used in Radionics Model P192-35 exposure device for industrial radiography and in Gamma Industries Model C-4 source changers for transfer and storage.

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- J. To be used in Radionics Model P-60-100-2 exposure device for industrial radiography.
- K. To be used in Radionics Model P-60-30-2 exposure device for industrial radiography.
- L. To be used in Radionics Model P-60-10-2 exposure device for industrial radiography.
- M. To be used in Automation Industries Model 110A or 110AB exposure device for industrial radiography.
- N. To be used in Gamma Industries Model Gammatron 5 exposure device for industrial radiography.
- O. To be used in Technical Operations Model 446 exposure device for industrial radiography.
- P. Calibration check sources to be used in Jordan Radector Survey Meter Model AGB-500-Sr.
- Q. Calibration check sources to be used in Jordan Radector Survey Meter Model AGB-500-Kr.
- R. For use in Pittsburgh Testing Laboratory Model 100 exposure devices for calibration only.
- S. For use in Gamma Industries Model Gammatron 100 exposure devices for performance of industrial radiography.
- T. For storage only.
- U. For use in Technical Operations Model 489 exposure device for industrial radiography.

CONDITIONS

- 10. A. Licensed material shall be used only at temporary job sites of the licensee anywhere in the United States where the Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
- B. Licensed material may be used at off-shore drilling platforms located in the Gulf of Mexico; except in Agreement States as defined in Section 30.4(c) of 10 CFR Part 30.
- C. The licensee may store byproduct material at the following locations:
 - Pittsburgh Testing Laboratory
4734 Spring Road
Brooklyn Heights, Ohio 44131
 - Pittsburgh Testing Laboratory
28350 Schoolcraft Road
Livonia, Michigan 48150
 - Pittsburgh Testing Laboratory
850 Poplar Street
Pittsburgh, Pennsylvania 15220
 - Pittsburgh Testing Laboratory
5445 Highland Park Drive
St. Louis Missouri 63110
 - Pittsburgh Testing Laboratory
4418 West Roosevelt Road
Hillside, Illinois 60162
 - Pittsburgh Testing Laboratory
2828 North Webster Avenue
Indianapolis, Indiana 46219
 - Pittsburgh Testing Laboratory
2050 South Calhoun Road
New Berlin, Wisconsin 53151
 - Pittsburgh Testing Laboratory
650 Elmwood Avenue
Sharon Hill, Pennsylvania 19079
 - Pittsburgh Testing Laboratory
4920 Cove Road, N.W.
Roanoke, Virginia 24019
 - Temporary storage at:
Byron Nuclear Power Station
Braidwood Nuclear Power Station
Surry Nuclear Power Station

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CONDITIONS

15. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, 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.
16. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."
17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated July 19, 1979, and February 6, 1980; and letters dated September 10, 1980, September 16, 1980, January 14, 1981, April 24, 1981, April 29, 1982, August 11, 1982, September 20, 1982, December 17, 1982, March 15, 1983, September 19, 1983, February 21, 1984, April 23, 1984 and June 21, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

Date AUG 21 1985

For the U.S. Nuclear Regulatory Commission

Original Signed By:

Jenny M. Johansen

By

Nuclear Materials Safety and
Safeguards Branch, Region I
King of Prussia, Pennsylvania 19406