

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, 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 person(s) designated to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Part 30 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. J & L Specialty Products Corporation
Midland Plant2. 12th Street and Midland Avenue
Midland, Pennsylvania 15059In accordance with letter dated
August 13, 1992,3. License number 37-20955-01 is amended in
its entirety to read as follows:

4. Expiration date March 31, 1996

5. Docket or
Reference No. 030-221516. 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 (Bethold
Dwg. P-2608-100 and
P-2608-101)A. Not to exceed 25
millicuries per source
and 200 millicuries total

B. Americium 241

B. Sealed sources

B. See Item 9.B. and not to
exceed 5 curies total

9. Authorized use

- A. For use in a Berthold Systems, Inc. Model IB 300 ML level gauge.
B. For possession and use in AccuRay, Kay Ray, LFE, Ohmart or Texas Nuclear devices which have been evaluated and approved for licensing purposes and authorized for distribution under a license issued by the Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at 12th Street and Midland Avenue, Midland, Pennsylvania.
11. A. Licensed material shall be used by, or under the supervision of, Thomas Dindino, Clifford A. Guess, Donald S. Hadfield, James L. Perini, James L. Rogers, or John P. Zurchin.
B. The Radiation Safety Officer for this license is James L. Perini.
12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.

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PDR ADOCK 03022151
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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

37-20955-01

Docket or Reference number

030-22151

Amendment No. 04

(Continued)

CONDITIONS

13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen 3; or
 - (ii) they contain only krypton 85; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

37-10955-01

Docket or Reference number

030-22151

Amendment No. 04

(13. continued)

CONDITIONS

- G. The licensee is authorized to collect leak test samples for analysis by gauge manufacturers. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. Each gauge shall be tested for the proper operation of the on-off mechanism and indicator, if any, at no longer than six-month intervals or at such longer intervals as specified by the manufacturer, not to exceed 3 years.
15. Installation, initial radiation surveys, relocation, removal from service, or any similar activity with devices containing licensed material shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services. The licensee may initially mount the device in accordance with written instructions provided by the manufacturer; however, the device may not be used until surveyed by a person specifically licensed by the Commission or an Agreement State to install gauges. The licensee may repair the electronic equipment not associated with the source or its shielding.
16. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels around, above and below the gauge with the shutter open. This survey shall be performed only by persons authorized to perform such services by the Commission or an Agreement State. A record of the results of this survey shall be maintained.
17. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory.
18. The licensee shall not acquire licensed material in a sealed source or in a device that contains a sealed source unless the source or device has been registered with the Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

37-20955-01

Docket or Reference number

030-22151

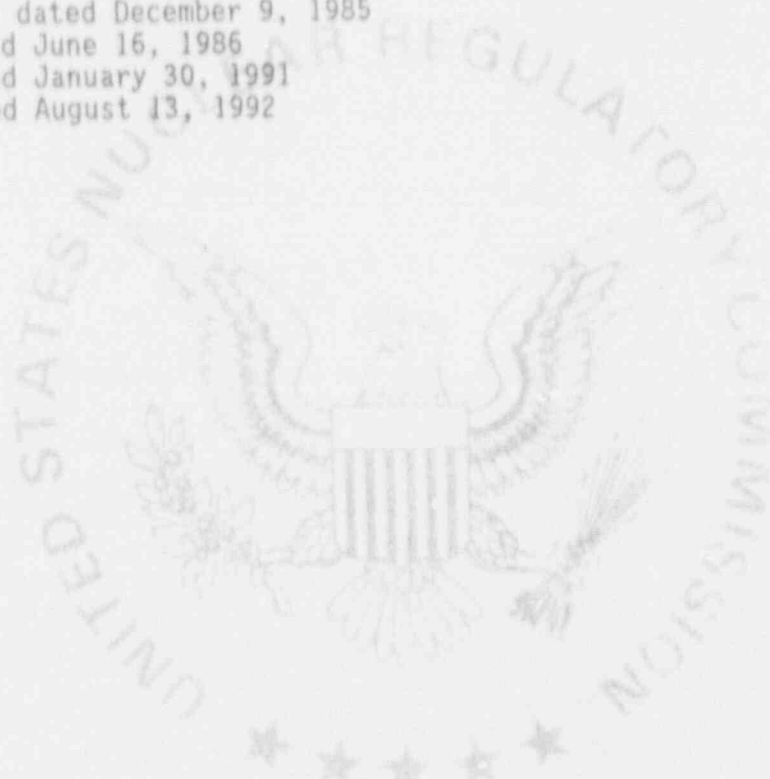
Amendment No. 04

(Continued)

CONDITIONS

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 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 December 9, 1985
- B. Letter dated June 16, 1986
- C. Letter dated January 30, 1991
- D. Letter dated August 13, 1992



For the U.S. Nuclear Regulatory Commission

Original Signed By:

By JoAnn V. Stambaugh

Nuclear Materials Safety Branch

Region I

King of Prussia, Pennsylvania 19406

Date OCT 27 1992

OCT 27 1992

License No. 37-20955-01
Docket No. 030-22151
Control No. 117044

J & L Specialty Products Corporation
Midland Plant
ATTN: J. M. Heiman
Manager-Plant Engineering
12th Street & Midland Avenue
Midland, Pennsylvania 15059

Dear Mr. Heiman:

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) 337-5093, 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."

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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ML 10

J & L Specialty Products Corporation

-2-

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

Sincerely,

Original Signed By:
JoAnn V. Stambaugh

JoAnn V. Stambaugh
Nuclear Materials Safety Branch
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 04
2. Requirements for Materials Licensees
3. NRC Forms 3 and 313

DRSS:RI
Stambaugh/cmm

10/26/92



J&L Specialty Products Corporation

12th Street & Midland Avenue
Midland, PA 15059
(412) 773-2700

August 13, 1992

030-22151

United States Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Re: License No. 37-20955-01
J&L Specialty Products Corporation
Midland Plant
Change in Condition 11.A.

Gentlemen:

It is requested that the following changes be made in condition 11.A. of the above-referenced materials license.

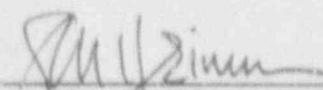
Delete: William M. Thorpe

Add: James L. Rogers

Please find attached the training certificate for James L. Rogers.

No other changes/modifications are requested at this time. If the NRC requires any additional information, please contact Mr. J.L. Perini at 412/773-2545. Enclosed please find J&L check # 006677 in the amount of \$380.00 to cover necessary expenses associated with the above-requested change in License No. 37-20955-01.

Sincerely,


J. M. Heimann, Manager - Plant Engineering

cc: J.L. Perini

U.S. NUCLEAR
COMMISSION

92 SEP-2 11:04

Log	Sup 3 I
Remitter	
Check No.	006677
Amount	\$380
Fee Category	3P
Type of Fee	AMP
Date Check Rec'd	8/21/92
Date Completed	
By	B. Perini

JLL011/jkx

117044

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AUG 24 1992

Postmarked 8/21/92

Certificate Of Radiological Training

This is to certify that JAMES L. RODGERS

completed the 40 hour course of training entitled

Radiation Safety Orientation For RSO

presented at APPLIED HEALTH PHYSICS, Inc., Bethel Park, PA 15102

on September 13, 1991



HEALTH PHYSICS, Inc.

Bethel Park, Pennsylvania

Robert G. Gallagher
President



BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03120
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 19960331
FEE COMMENTS: -----
DECOM FIN ASSUR REQD: N
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LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: J & L SPECIALTY PRODUCTS CORP.
RECEIVED DATE: 920824
DOCKET NO: 3022151
CONTROL NO.: 117044
LICENSE NO.: 37-20955-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$380.00
CHECK NO.: 006677

3. COMMENTS

SIGNED
DATE

Rebecca J. Brown
8/26/92

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED ☒)

1. FEE CATEGORY AND AMOUNT: 3P \$380

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT ☒
RENEWAL
LICENSE

3. OTHER

SIGNED
DATE

B. Brown
9/8/92