NRC FORM 374
(7-94)

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 07

MATERIALS LICENSE

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	In accordance with the letter dated August 13, 1996,
1. J & L Specialty Steel, Inc. Midland Plant	3. License Number 37-20955-01 is amended in its entirety to read as follows:
2. 12th Street and Midland Avenue Midland, Pennsylvania 15059	4. Expiration Date March 31, 2001
	5. Docket or Reference No. 030-22151

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. Cobalt 60	A. Sealed sources (Berthold Dwg. P-2608-100 and P-2608-101)	A. Not to exceed 25 millicuries per source and 200 millicuries total
B. Cesium 137	B. Sealed sources (Berthold Dwg. Cs7.P02)	B. 100 millicuries
C. Americium 241	C. Sealed sources	C. See Item 9.C., and not to exceed 5 curies total

9. Authorized use

A. In a Berthold Systems, Inc. Model LB 300 ML level gauge.
B. In a Berthold Systems, Inc. Model LB 7440 D gauge.
C. For possession and use in Kay Ray, Accuray, Ohmart, LFE, Berthold System, Inc., Data Measurement Corp., Flow Measurement Systems, Ronan Engineering or Texas Nuclear devices which have been evaluated and approved for licensing purposes and authorized for distribution under a license issued by the U.S. Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at 12th Street and Midland Avenue, Midland, Pennsylvania.

11. A. Licensed material shall be used by, or under the supervision of, James M. Detrick, Thomas Dindino, Rafael W. Francis, Clifford A. Guess, Donald S. Hadfield, Richard D. Reinard, James L. Rogers, William Stephens, Richard F. Willard, or John P. Zurchin.

B. The Radiation Safety Officer for this license is Richard D. Reinard.

12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

ML 10

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number: 37-20955-01

Docket or Reference Number: 030-22151

Amendment No. 07

13. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three 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 three months.

C. In the absence of a certificate from a transferor indicating that a leak 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 a radioactive gas; 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. 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 or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five 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 or detector cell involved, the test results, and corrective action taken.

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.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number: 37-20955-01

Docket or Reference Number: 030-22151

Amendment No. 07

14. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.

15. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.

16. 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 and approved by the Commission or an Agreement State in a registration certificate referred to in 10 CFR 32.210.

17. 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 only 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 the device. The licensee may maintain, repair, or replace device components not directly associated with the sealed source, its related shielding, or the on-off mechanism, and that will not result in increased radiation levels in accessible areas.

18. 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 in accessible areas around, above, and below the device with the shutter open. This survey shall be performed only by persons authorized to perform such services by the Commission or an Agreement State.

19. The licensee shall operate each device containing licensed material within the manufacturer's specified temperature and environmental limits such that the shielding and shutter mechanism of the source holder are not compromised.

20. The licensee shall assure that the shutter mechanism of each device is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify as appropriate its "lock-out" procedures whenever a new device is obtained to incorporate the device manufacturer's recommendations.

21. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number: 37-20955-01

Docket or Reference Number: 030-22151

Amendment No. 07

22. 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
E. Letter dated February 8, 1994
F. Letter dated August 13, 1996

Date OCT 22 1996

For the U.S. Nuclear Regulatory Commission

By Original Signed By:
Kathleen Dolce

Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

OCT 2 2 1996

J. M. Heiman, Director-Engineering
J & L Specialty Steel, Inc.
Midland Plant
12th Street & Midland Avenue
Midland, Pennsylvania 15059

Dear Mr. Heiman:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that as part of this amendment, in accordance with 10 CFR 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license.

Your amendment requested the deletion of James L. Perini from License Conditions 11.A. and 11.B. Mr. Perini was not on the license and therefore was not deleted.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original Signed By:
Kathleen Dolce

Kathleen Dolce
Division of Nuclear Materials Safety

License No. 37-20955-01
Docket No. 030-22151
Control No. 123620

Enclosure:
Amendment No. 07
DOCUMENT NAME: R:\WPS\MLTR\L3720955.01
To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI					
NAME	Dolce\kdl							
DATE	09/02/96		09/ /96		09/ /96		09/ /96	

OFFICIAL RECORD COPY ML 10

J&L Specialty Steel, Inc.

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

August 13, 1996

Licensing Assistant Section
Nuclear Materials Safety Branch
United States Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406

030-22151

Subject: License No. 37-20955-01, Amendment No. 05
J&L Specialty Steel, Inc.
Midland Plant
Change in Conditions 6, 7, 8, 11.A. and 11.B.

Dear Sir or Madam:

It is requested that the following changes be made in the above referenced materials license (Attachment 1):

Condition 6:	Add:	Cesium 137
Condition 7:	Add:	Sealed Source
Condition 8:	Add:	Not to exceed 100 millicuries total
Condition 11.A.:	Delete:	James L. Perini
	Add:	James M. Detrick, Rafael W. Francis, Richard D. Reinard, William Stephens and Richard F. Willard.
Condition 11.B.	Delete:	James L. Perini
	Add:	Richard D. Reinard

As a result of the changes in Conditions 6, 7 and 8, J&L has attached a completed NRC Form 313 (Attachment 2). As you are aware, this document provides information required for the addition of a sealed source to J&L's existing materials license. Also, please note the personnel changes in Conditions 11.A. and 11.B. It appears that some of these changes, which were requested previously, were not incorporated into Amendment 04 of J&L's materials license. Finally, certificates of training for individuals to be incorporated into Amendment 05, which have not been submitted to NRC previously, are attached (Attachment 3).

As always, J&L appreciates NRC's assistance with this material license amendment and J&L Check No. 60-840 in the amount of $290.00 is enclosed to cover the associated fees. Should you have any questions or require additional information, please do not hesitate to contact Mr. Richard D. Reinard at (412)773-2515.

Sincerely,

J. M. Heiman, Director-Engineering

cc: D. S. Hadfield
R. D. Reinard
P. J. Grandy
W. F. Scherfel
J. C. Piccioni

NRC FORM 374
(10-89)

U.S. NUCLEAR REGULATORY COMMISSION

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 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. J & L Specialty Products Corporation Midland Plant 2. 12th Street and Midland Avenue Midland, Pennsylvania 15059	In 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 030-22151

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. Cobalt 60	A. Sealed sources (Berthold 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.

(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: 37-20955-01

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.

NRC Form 374A (5-84) U.S. NUCLEAR REGULATORY COMMISSION

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

Date OCT 27 1992

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

REQUIREMENTS FOR MATERIALS LICENSEES

As a holder of an NRC materials license, you must:

1. Operate in accordance with NRC regulations contained in 10 CFR Part 19, "Notices, instructions and Reports to Workers: Inspection, " 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.

2. Possess radioactive material only in the quantity(ies) and form(s) indicated in your license.

3. Use radioactive material only for the purpose(s) indicated in your license.

4. Notify NRC in writing of any change in mailing address (no fee required if the location of radioactive material remains the same).

5. Request and obtain appropriate amendments if you plan to change the ownership of your organization, change locations of radioactive material, or make any other changes in you facility or program which are contrary to your license conditions of representations made in your license application and any supplemental correspondence with NRC. A license fee may be charged for amendment as specified in 10 CFR Part 170.

6. Submit a complete renewal application with proper fee or tarmination request at least 30 days before the expiration date on your license. You should receive a reminder notice approximataly 90 days before the expiration date. However, it is your responsibility to file a renewal application at the proper time. Possession of radioactive material after your license expires is a violation of NRC regulations.

7. Request tarmination of your license if you plan to permanently discontinue activities involving radioactive material.

ATTACHMENT 2
NRC FORM 313

NRC FORM 313 U. S. NUCLEAR REGULATORY COMMISSION

(10-94)
10 CFR 30, 32, 33
34, 35, 36, 39 and 40

APPLICATION FOR MATERIAL LICENSE

APPROVED BY OMB: NO. 3150-0120
EXPIRES 5-30-96

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 8 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
101 MARIETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323-0199

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
801 WARRENVILLE RD.
LISLE, IL 60532-4351

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

030-22151

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- [ ] A. NEW LICENSE
- [X] B. AMENDMENT TO LICENSE NUMBER 37-20955-01
- [ ] C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip code)

J&L Specialty Steel, Inc.
Midland, Pennsylvania Plant
12th Street & Midland Avenue
Midland, Pennsylvania 15059

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

See Item 2.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Richard D. Reinard

TELEPHONE NUMBER
(412) 773-2515

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL.
a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)
FEE CATEGORY 1.C.
AMOUNT ENCLOSED $ 290.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE
J.M. Heiman, Director - Engineering

SIGNATURE

DATE 8/22/96

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			$		

APPROVED BY | DATE

NRC FORM 313 (10-94)

OFFICIAL RECORD COPY

ML 10 123620 AUG 28 1996

PRINTED ON RECYCLED PAPER

ATTACHMENT TO NRC FORM 313
ITEMS 5 THROUGH 11

ITEM 5: Material to be Possessed

The lone sealed source proposed for use on the J&L Midland plant DRAP Line is Cs(Cesium)-137. Specifically, the source is a component of a Berthold Systems, Inc. (Berthold) model LB386-1C density gauge. Shielding for the source is provided by a Berthold model LB7440D source holder and the maximum source capacity in possession at any one time is 100 millicuries. For reference, the address of the manufacturer is

Berthold Systems, Inc.
Process Control Instruments
Hopewell Business & Industrial Park
101 Corporation Drive
Aliquippa, Pennsylvania 15001-4863

ITEM 6: Purpose for Which Licensed Material Will Be Used

The usage purpose for the proposed Berthold density system is monitoring the density of pickling liquor on the J&L Midland plant DRAP Line.

ITEM 7: Individuals Responsible for Radiation Safety Program -- Their Training and Experience

The individual responsible for the J&L Midland plant's radiation safety program (Radiation Safety Officer) is Richard D. Reinard. Mr. Reinard complete a 40-hour "Radiation Safety Officer Training Course" conducted on May 20 - 24, 1996 by Applied Health Physics, Inc., 2986 Industrial Blvd., Bethel Park, PA 15102.

Installation, initial radiation survey, maintenance, leak-testing and training of J&L personnel at the time of installation will be provided by Berthold. As is already a condition of NRC Material License No. 37-20955-01, a commitment is included herein that the gauge will not be operated until training has been received and that J&L will maintain records of training received for 5 years after the training is completed.

ITEM 8: Training Provided to Other Users

As is already stipulated by NRC Material License No. 37-20955-01, a commitment is included herein that all employees that will work under

the responsible individuals named in Item 7 shall receive training and instructions in the operation and use of the device listed in Item 5. Such training shall be provided by Berthold at the time of installation or by a responsible individual(s) listed in Item 7. As stated in item 7, responsible individuals shall receive training by Berthold at the time of installation.

ITEM 9: Facilities and Equipment

Pursuant to 10 CFR Part 30, the following information regarding the adequacy of the proposed equipment and facilities to protect health and minimize danger to life or property is provided:

1. The proposed location of the gauge described in Item 5 is slightly west of column row A and between columns 34 and 35. A sketch indicating this position is attached.
2. The gauge described in Item 5 is a noncontact measurement device. Therefore, it will operate in ambient mill temperatures that are below its maximum operating temperature of 50°C. Moreover, the device's lead/cast-steel source shielding will provide protection from short-term contact with corrosive materials (e.g.: pickling liquor). No other conditions which may cause unsafe operation or failure of the gauge described in Item 5 are expected.
3. Due to the conditions described above, a cooling system for the gauge described in Item 5 is not required.
4. Since no cooling system is required for the gauge described in Item 5, no discussion of cooling system failure detection is applicable.
5. Maintenance of the gauge described in Item 5 shall, at a minimum, meet requirements of NRC Material License No. 37-20955-01. This information is therefore incorporated into this amendment by reference.
6. Emergency procedures for the gauge described in Item 5 shall, at minimum, match those covered under NRC Material License No. 37-20955-01. This information is therefore incorporated into this amendment by reference.

ITEM 10: Radiation Safety Program

Radiation safety procedures for the gauge described in Item 5 and pertaining to the following topics shall, at a minimum, match those of NRC Material License No. 37-20955-01.

10.1 Performance of Service Operations by Others.

10.2 Personnel Monitoring Equipment.
10.3 Radiation Detection Instruments.
10.4 Leak-Testing.
10.5 Lock-Out Procedures.
10.6 Performance of Services.

Therefore, these items are incorporated into this amendment application by reference.

ITEM 11: Waste Management

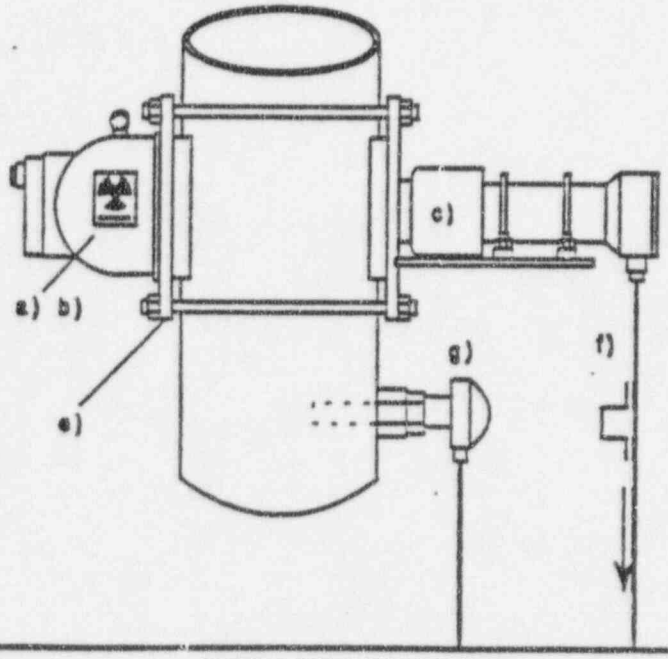
As is already a condition of NRC Material License No. 37-20955-01, a commitment is included herein that disposal of the source material described in Item 5 will be by transfer to a licensee specifically authorized to possess the radioactive material as defined in 10 CFR Part 20.

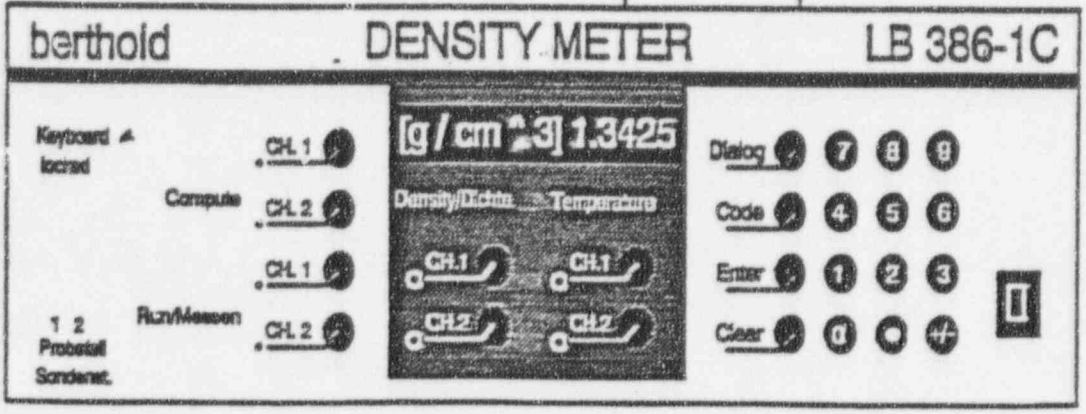
The Measuring System

The measuring system comprises the following components:

a) radioactive source, installed in a
b) shielding container
c) scintillation counter
d) evaluation unit
e) mounting device
f) connection cable
g) resistance thermometer Pt 100 (option)

The power supply for the detector and the measuring signal (pulses) are transmitted via the 7-core cable (f).





ATTACHMENT 3
CERTIFICATES OF TRAINING

CERTIFICATE OF RADIOLOGICAL TRAINING

This is to certify that

Richard D. Rainard

has successfully completed the 40-Hour

Radiation Safety Officer Training Course

presented by Applied Health Physics, Inc.
from May 20-24, 1996

Lisa C Blough
Lisa Cortes Blough
Radiation Safety Officer

May 24, 1996
Date

Certificate Of Training

This is to certify that

JAMES M. DETRICK

Has Successfully Completed a Radiation Safety Training Course sponsored by Texas Nuclear Division.

Issued 7th Day Of October 19 77

Texas Nuclear
Division
Ramsey Engineering Company

Health Physicist

President

CERTIFICATE OF RADIOLOGICAL TRAINING

This is to certify that

William S. Stephens

has successfully completed the 40 Hour

Radiation Safety Officer Training Course

presented by Applied Health Physics, Inc.
from February 5-9, 1996

Lisa C Blough
Lisa Cortes Blough
Radiation Safety Officer

Feb. 9, 1996
Date

CERTIFICATE OF RADIOLOGICAL TRAINING

This is to certify that

Rafael W. Francis

has successfully completed the 40 Hour

Radiation Safety Officer Training Course

presented by Applied Health Physics
from February 27th through March 3rd

Peter Collopy

Peter Collopy, CHP, CIH
Director, Technical Services

3/6/95
Date

CERTIFICATE OF RADIOLOGICAL TRAINING

This is to certify that

Richard F. Willard

has successfully completed the 40 Hour

Radiation Safety Officer Training Course

presented by Applied Health Physics, Inc.
from September 11-15, 1995

Lisa C Blough
Lisa Cortes Blough
Radiation Safety Officer

Sept 15, 1995
Date

APPLIED HEALTH PHYSICS, INC.

NRC FORM 577
(1-95)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH
DIVISION OF ACCOUNTING AND FINANCE
OFFICE OF THE CONTROLLER
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

J & L SPECIALTY STEEL, INC.
ATTN: J. M. HEIMAN, DIRECTOR
ENGINEERING
1200 MIDLAND AVENUE
MIDLAND, PA 15059-1696

TYPE OF ACTION

- ☐ NEW LICENSE
- ☐ RENEWAL OF LICENSE
- ☒ AMENDMENT TO LICENSE

REQUESTED DATE: 8-13-96

LICENSE NUMBER: 37-20955-01

CONTROL NUMBER: 123620

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3P	$	$	$ 300.00
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$

FEE(s) DUE	$ 300.00
PAYMENT RECEIVED	$ 290.00
AMOUNT DUE	$ 10.00

☒ Your request was received without the prescribed application fee.

☒ We received your Check No. MW 00 2225 in the amount of $ 290.00. Payment of the additional fee noted above is required.

☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

II. FEE NOT REQUIRED

☐ Enclosed is Check No. _____ which accompanied your request. The fee is not required because:

- ☐ We received your Check No. _____ in payment of the fee.
- ☐ The Licensing staff has informed us that your request is to be considered as a continuation of your request dated _____, Control No. _____.
- ☐ Your request was combined, prior to review, with your request, Control No. _____.

III. CHECK RETURNED

☐ Enclosed is Check No. _____ which was returned to us by the bank for:

- ☐ INSUFFICIENT FUNDS
- ☐ ACCOUNT CLOSED
- ☐ OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

☐ License No. _____, Amendment No. _____, issued on _____ was issued without the required fee being collected. The fee required is noted in Section I of this form.

☐ The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section 1 of this form. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section 1 of this form.

SIGNATURE – LICENSE FEE ANALYST	LFDCB	LFDCB
BRENDA BROWN	BB BA	
	9/18/96	

Distribution:
Region I Pending
BBrown LFARB RF
OC/DAF/SF (LF-3.2.7)

DATE: 9-18-96

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: 20010331
FEE COMMENTS: _____
DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: J & L SPECIALTY STEEL INC,
RECEIVED DATE: 960828
DOCKET NO: 3022151
CONTROL NO.: 123620
LICENSE NO.: 37-20955-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT: $290.00
CHECK NO.: MW002225

3. COMMENTS

SIGNED M. A. Perkins
DATE 8/29/96

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

1. FEE CATEGORY AND AMOUNT: 3P $300

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT _____
RENEWAL _____
LICENSE _____

3. OTHER _____

SIGNED _____
DATE _____

9/6/96
Log Aug 28
Payment
Check No. MW002225-1 / MW002339
Amount $290 $300
Category 3P
Fee Amd
Check Rec'd 10/16/96
Completed
AB