



# Pittsburgh Testing Laboratory

September 11, 1985

Mr. John E. Glenn, Chief  
U.S. Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

Re: Amendment to Radioactive Material  
License No. 37-00276-25

Dear Mr. Glenn:

We wish to amend the above mentioned Materials License as follows:

1. Change Condition 12 (A) to Mr. Kingsley D. Drake and remove Mr. W.H. Levelius.

Mr. Drake's training and experience resume were forwarded in our August 14, 1985 letter.

2. Delete two (2) locations and add our new facility in Boston.
  - a) Condition 10C, delete Pittsburgh Testing Laboratory, 2828 North Webster Avenue, Indianapolis, Indiana 46219.
  - b) Delete Nuclear Power Station (Surry).
  - c) Add: Pittsburgh Testing Laboratory  
12 Ashmont Avenue  
Worcester, MA 01610

Radiation Safety Officer for the above will be Mr. Richard L. Cram. Mr. Cram received eighteen (18) hours of formal Radiation Safety Training in March, 1985 by our Mr. E.L. Andresky. Attached you will find a copy of his resume, PTL Training Record and training/experience data form. We are also attaching the front page of Mr. Cram's written Radiation Safety Officer Examination indicating a successful grade of 88.5%.

Attached you will find a copy of the floor plan at our Laboratory in Worcester, diagraming our building and the location and description of our Radioactive Material Storage Facility.

continued

Sept - 12 - 1

088456

11/23/85

Amended

Date Check was 9/20/85

Received by J. J. J. J. J.

**"OFFICIAL RECORD COPY"**

**ML10 104384**

8510280143 851007  
REG1 LIC30  
37-00276-25

PDR

BURGH PENNSYLVANIA 15200 • (412) 326-4000 • TELEX PTL PDH 006735  
IRVING WORLDWIDE THROUGH FIFTY FACILITIES

SEP 13 1985

85 SEP 20 AM 10:42

RECEIVED

Page #2

September 11, 1985

Mr. John E. Glenn, Chief

U.S. Nuclear Regulatory Commission

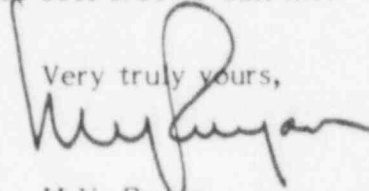
3. Please add Mr. David Duda as a Radiation Safety Officer for Pittsburgh. The front page of Mr. Duda's written Radiation Safety Officer Examination indicating a successful grade of 84.5% is attached.
4. Condition 9 (Authorized Use), we wish to remove the following authorized exposure devices from our license. Please remove the following:

A,F,G,H,I,K,L,O,P,T, and U. Same for Conditions 6,7, and 8.

Enclosed please find our check for \$230.00 regarding the amendment fee.

Should you have any questions, please feel free to call me.

Very truly yours,



M.Y. Ruyan  
President

ELA/MYR/rd  
Enclosures

cc: K. Drake  
W.H. Levelius  
Regional VP's  
PTL, Boston



# PITTSBURGH TESTING LABORATORY

ESTABLISHED 1881

FORM 38-79

## EXPERIENCE RESUME

Name **Cram** **Richard** **L** Branch **Boston**  
LAST FIRST MIDDLE

Date of Birth **12/9/55** Social Security Number **020-48-3350**

### EDUCATION

TYPE OF SCHOOL	SCHOOL NAME AND LOCATION	ATTENDED		CURRICULUM (Course / Degree)	GRADUATE? Yes / No
		Mo./Yr.	TO Mo./Yr.		
Elementary or Grammar					
High	<b>Willmington, Mass.</b>	<b>1970</b>	<b>1974</b>	<b>Business</b>	<b>yes</b>
College or University	<b>Middlesex Community Bedford Mass.</b>	<b>1974</b>	<b>1976</b>	<b>Science</b>	<b>yes</b>
Trade, Business, or Technical					
Correspondence School					
Special Technical or Post Graduate					
OTHER					

### EMPLOYMENT HISTORY

NAME OF COMPANY	FROM		TO		TYPE OF ORGANIZATION AND JOB CLASSIFICATION
	MO.	YR.	MO.	YR.	
<b>Pittsburgh Testing Laboratory</b>	<b>5</b>	<b>84</b>	<b>Present</b>		<b>Steel Inspector/NDE Inspector</b>
<b>National Insp.&amp; Consultants</b>	<b>1</b>	<b>84</b>	<b>3</b>	<b>84</b>	<b>Visual, NDE inspection</b>
<b>Pullman Power Prod.</b>	<b>11</b>	<b>82</b>	<b>12</b>	<b>83</b>	<b>NDE inspector</b>
<b>Wileys Shipyard</b>	<b>9</b>	<b>80</b>	<b>9</b>	<b>82</b>	<b>NDE inspector</b>
<b>TransEastern</b>	<b>6</b>	<b>80</b>	<b>8</b>	<b>80</b>	<b>Steel Inspector NDE</b>
<b>American Bridge</b>	<b>8</b>	<b>79</b>	<b>5</b>	<b>80</b>	<b>NDE/Steel Inspector</b>
<b>TransEastern</b>	<b>3</b>	<b>79</b>	<b>7</b>	<b>79</b>	<b>NDE Inspector</b>
<b>Michigan Consolidated Gas</b>	<b>9</b>	<b>78</b>	<b>1</b>	<b>79</b>	<b>NDE Inspector</b>

Name Richard CramBranch Boston

Mr. Cram since his employ with Pittsburgh Testing Laboratory has performed work on several projects.

Mr. Cram has completed training and examination for Magnetic Particle, Ultrasonic Testing, Liquid Penetrant Level 11.

Mr. Cram has completed training in Radiation Safety as conducted by Pittsburgh Testing Laboratory.

Mr. Cram is also an CWI as outlined per American Welding Society D.1.1.

#### EMPLOYMENT HISTORY

##### PITTSBURG TESTING LABS.

April 1984 - Present

- Shop inspection in accordance with AWS D1.1 1983 code. In charge of all projects fabricated at Bancroft and Martin of Portland, Maine for the State of New Hampshire. Non destructive testing performed on all full and partial penetration joints in accordance with ASNT TC-1A. Magnetic particle, radiography, ultrasonic, and dye penetrant processes used.

##### NATIONAL INSPECTION and CONSULTANTS

January 1984 - March 1984

- Mechanical, visual, ultrasonic, magnetic particle and dye penetrant inspection on high power transmission poles. All work performed to AWS D1.1 as modified by AASTHO and Florida Power and Light provisions and standards. Responsible, as Lead Inspector, for two other inspectors setting up twenty-four hour coverage. Weekly reports were generated to Florida Power and Light.

##### PULLMAN POWER PRODUCTS

November 1982 - December 1983Williamsport, PA

- Inspected visual, radiographic, ultrasonics, dye penetrant, mechanical and magnetic particle of in-process welding of all structural steel and piping - Seabrook Nuclear Power Station. Welders test and welding procedures radiographed and visual examination - worked to ASME, AWS and ANSI.

##### WILEYS SHIPYARD

September 1980 to September 1982Port Deposit, MD

##### Fort McHenry Tunnel Project

- As Co-Lead set up round the clock coverage of twenty-five inspection personnel. Organized preliminary and approved drawings, distribution and records of equipment. Daily and weekly progress reports on tunnel sections and job status. All work was to AWS D1.1 Bridge Code and State of Maryland General and Special provisions. Witnessed all non-destructive testing and watertightness. Witnessed and recorded concrete pours, checking water content and slump test.

Richard L. Cram (cont.)

Employment History (cont.)

TRANS EASTERN INSPECTION CO.  
Atlas Machine and Iron Works

June 1980 - August 1980

- Responsible for visual inspection on all ferrous and non-ferrous materials used in bridge construction. Checked dimensions of girders, stiffeners, flanges on straight and fracture critical members. Witnessed all non destructive testing inspection performed by Quality Control Department.

AMERICAN BRIDGE  
Elmira, NY

August 1979 - May 1980

- Responsible for visual inspection of incoming materials, in-process weld inspection and witnessed all non destructive testing performed.

TRANS EASTERN INSPECTION CO.

Lasalle Nuclear Power Station, Morris, IL.

March 1979 - July 1979

- Responsible for visual, dye penetrant, and inspection on piping and structural steel at the Lasalle Nuclear Power Station, Morris, IL.

Michigan Consolidated Gas, Shell & Amoco Oil

Sept. 1978 - Jan. 1979

- Visual and radiographic inspection of piping and welding on pipelines, compressors, facility construction and welder qualifications.

AFFILIATIONS

American Welding Society  
American Society for Non Destructive Testing  
National Rifle Association  
American Historical Association

EDUCATION

1970 thru 1974 - Wilmington High School, Wilmington, MA  
Business Course.

1974 thru 1976 - Middlesex Community College, Bedford, MA.  
Associated Degree in Criminal Justice and Science.

Richard L. Cram (cont.)

ADDITIONAL TRAINING AND COURSES

NDT Radiation Safety - Trans-Eastern Inspection Co., Washington, PA.

NDT Radiation Safety - Pullman Power Products, Williamsport, PA.

American Bridge Course in Ultrasonics, given by George Shenefelt.  
Active Member of AWS Committee. Level I certificates acquired.

AWS - QC1 - Welding Inspection (CQI) course at Washington, PA -  
Sperry School of NDT.

CERTIFICATIONS

1.	AWS	CWI #81110891	Level II
2.	ASNT-TC-1A	Ultrasonics	Level II
3.	ASNT-TC-1A	Magnetic Particle	Level II
4.	ASNT-TC-1A	Radiography	Level II
5.	ASNT-TC-LA	Liquid Penetrant	Level II

REFERENCES

Available upon request



# PITTSBURGH TESTING LABORATORY

ESTABLISHED 1881

850 POPLAR STREET, PITTSBURGH, PA. 15220

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AREA CODE 412 TELEPHONE 922-4000

FORM 95-PC

PLEASE REPLY TO  
P. O. BOX 1646  
PITTSBURGH, PA. 15230

SUBJECT: Training Record for Radiation Safety Officers/Supervisors

NAME

Richard L. Gram

BRANCH

BOS

Date	Item	Subject	Time	Min. Time	Instructor
	I	Nature of Radiation		2	
3/27/85	II	Fundamentals of Radiation Safety	4 HRS	8	ANDRESKY
3/27/85	III	Radiation Detection Instrumentation	2 HRS	4	"
3/29/85	IV	Radiographic Equipment	2 HRS.	4	"
3/28/85	V	Calculations of Radiation Intensities	4 HRS.	6	"
3/28/85	VI	NRC <del>and/or State Safety Regulations</del> <sup>REGS</sup>	2 HRS.	4	"
3/27/85	VII	PTL -- Operating/Training Procedures	2 HRS.	4	"
3/28/85	VIII	Operating of Exposure Devices	2 HRS.	6	"
	IX	Practical Teaching Methods		2	

18 HRS.

I, Richard L. Gram certify that I have received the above  
said training for the period of time indicated above.

3-29-85

Date

E. C. Andresky

Signature of RSC

NAME Richard L. Cram BRANCH Boston District

DATE OF BIRTH 12/9/55 SOCIAL SECURITY NO. 020-48-3350

RADIATION SAFETY CLASSIFICATION Radiation Safety Officer

TRAINING AND EXPERIENCE OF EACH INDIVIDUAL					(Use supplemental sheets if necessary)			
8 TYPE OF TRAINING	WHERE TRAINED		DURATION OF TRAINING	ON THE JOB (Circle answer)		FORMAL COURSE (Circle answer)		
a. Principles and practices of radiation protection	Pittsburgh Testing Laboratory		18 hrs.	Yes	No	Yes	No	
b. Radioactivity measurement standardization and monitoring techniques and instruments	Pittsburgh Testing Laboratory		18 hrs.	Yes	No	Yes	No	
c. Mathematics and calculations basic to the use and measurement of radioactivity	Pittsburgh Testing Laboratory		18 hrs.	Yes	No	Yes	No	
d. Biological effects of radiation	Pittsburgh Testing Laboratory		18 hrs.	Yes	No	Yes	No	

9 EXPERIENCE WITH RADIATION (Actual use of radioisotopes or equivalent experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
IR/92	100 C	Trans-Eastern Inspection Co.	8 months	Industrial Radiography
IR/92	100 C	Pullman Power Products	15 months	

BRIEF DESCRIPTION OF PAST EXPERIENCE:

Experience with companies mentioned in Item 9 above. Also received Radiation Safety Training from the above mentioned.

Mr. Cram has been employed by Pittsburgh Testing Laboratory since May 1984.

September 11, 1985





# PITTSBURGH TESTING LABORATORY

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AREA CODE 412 TELEPHONE 922-4000

FORM 95-PG

PLEASE REPLY TO  
P. O. BOX 1646  
PITTSBURGH, PA. 15230

## RADIATION SAFETY OFFICER AND/OR SUPERVISOR WRITTEN SAFETY EXAMINATION

Originated: January 1, 1975

NAME Richard L Cram BRANCH Boston

DATE EXAMINATION COMPLETED 4-5-85 GRADE 88.5%

Examination consists of thirty-five (35) questions. A score of 80% or above is considered a passing grade. Work out all problems on the exam. No time limit is required. Use additional paper or reverse side of exam when needed to complete question.

### A. Fundamentals of Radiation Safety (5 points each)

1. There are certain fundamentals involved when controlling exposure of radiation to the body. What are these fundamentals and describe how they minimize exposure to personnel. Shielding against the radiation whether it be a Columnator or to take cover behind shielding during exposure (2) Distance from exposure reduces Dose because radiation is dispersed quickly in contact with Air, further away less exposure. (3) Time: The less time exposure to any radiation the less the Dose. Therefore minimize your time in exposed areas.



PITTSBURGH TESTING LAB  
12 ASH MONT AVE  
WORCESTER MASS 01610  
STORAGE AREA



# PITTSBURGH TESTING LABORATORY

FORM 95-PG

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PLEASE REPLY TO  
P. O. BOX 1646  
PITTSBURGH, PA. 15230

AREA CODE 412 TELEPHONE 922-4000

Rec'd 7-17-85

## RADIATION SAFETY OFFICER AND/OR SUPERVISOR WRITTEN SAFETY EXAMINATION

Originated: January 1, 1975

NAME DAVID R DUDA BRANCH PITTSBURGH

DATE EXAMINATION COMPLETED 7-17-85 GRADE 84.5%

DR. Duda E. Arduini 8-8-85

Examination consists of thirty-five (35) questions. A score of 80% or above is considered a passing grade. Work out all problems on the exam. No time limit is required. Use additional paper or reverse side of exam when needed to complete question.

### A. Fundamentals of Radiation Safety (5 points each)

1. There are certain fundamentals involved when controlling exposure of radiation to the body. What are these fundamentals and describe how they minimize exposure to personnel.

(a) TIME: The shorter the time a person is exposed to radiation, the less radiation dose he receives.

(b) DISTANCE: The further a person is from radiation, the less the exposure - by inverse square law:  $D_1 D_1^2 = D_2 D_2^2$

(c) SHIELDING: By shielding himself from radiation a person can minimize his exposure. Common shielding included concrete & lead

BETWEEN: William D. Miller, Chief  
License Fee Management Branch  
Office of Administration

John E. Glenn, Chief  
Nuclear Materials Section B  
Division of Engineering and  
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Pittsburgh Testing Laboratories

Application Dated: 9/11/85

Control No.: 104384

License No.: 37-00276-25

2. FEE ATTACHED

Amount: \$230.00

Check No.: 088456

3. COMMENTS

Ins 03  
03320  
5/86

Signed Brenda Blatchek

Date 9/16/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 30 3P - \$230

2. Correct Fee Paid. Application may be processed for:

Amendment ✓

Renewal                     

License                     

Signed g. Jackson

Date 9/24/85



**Pittsburgh  
Testing  
Laboratory**

PRINCIPAL OFFICE  
MELLON BANK, N.A.  
PITTSBURGH, PA.

CHECK NUMBER  
**088456**

8-26  
430

CHECK NO. 088456

DATE 9/11/85

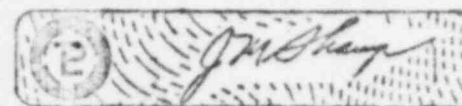
AMOUNT \*\*\*230.00

PAY \* EXACTLY\*\*\*230 DOLLARS AND 0 CENTS

TO  
THE  
ORDER  
OF

NUCLEAR REGULATORY COMM.

PITTSBURGH TESTING LABORATORY



⑈088456⑈ ⑆043000261⑆ 131⑈3041⑈

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