

February 3, 1999

Docket No. 030-32156
Control No. 125948

License No. 37-28639-01

Michael Fenton
Manager of Engineering and Maintenance
BBA Nonwovens, Simpsonville, Inc.
P.O. Box 20
Route 15N and Hafer Road
Lewisburg, PA 17837

Dear Mr. Fenton:

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.

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 Eric H. Reber

Eric H. Reber
Health Physicist
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety

Enclosures:

1. Amendment No. 3
2. 10 CFR Part 30

cc:

Duane L. Eberhart, Radiation Safety Officer

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M. Fenton
BBA Nonwovens, Simpsonville, Inc.

DOCUMENT NAME: B:\DNMS Documents\Lic Cover Letter\L37-28639-01.wpd 78769214

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OFFICE	DNMS/RI	N	DNMS/RI				
NAME	EReber						
DATE	02/03/99	02/ /99	02/ /99	02/ /99			

OFFICIAL RECORD COPY



BBA Nonwovens
PO Box 20
Route 15 North
Lewisburg PA 17837-0020
USA

*Ms 16
L-3*

Tel: 570-524-2281
888-456-2795
Fax: 570-524-8447

Dear Sir:

On July 31, 1998, I mailed in a request for change of ownership of the basis weight gauges located at the Lewisburg plant. This was due to the sale of all of the assets of the Veratec division of International Paper Co to BBA Nonwovens Inc. of Simpsonville, S.C.

After talking with you on 1/26/99 and discussing the line items, below is a summary of the questions sent to me:

- a) The new name of our organization is: BBA Nonwovens, Simpsonville, Inc.
(As shown on the license application, items 2 and 3.)
- b) We would like to add some additional people, qualified to change our source windows, and name an alternate RSO. (As shown on the license application, items 7 and 10.)
- c) We have continued to use our gauges since the sale of Veratec to BBA, but have not performed any specific license activities, ie: changing of source windows. We have called in the gauge manufacturers' representatives to do these repairs.
- d) See the attached copy of the description of the sale transaction from BBA Legal.
- e) No changes.
- f) No changes.
- g) All items listed were current at the time of the sale. All items listed are still current.
- h) No known contamination exists, all sources at this site are currently a gas.
- i) Not required.
- j) See the attached documentation from the plant manager.

Duane L. Eberhart, RSO

125948

FEB - 1 1999

BBA NONWOVENS

Paul D. Vandette
President
Industrial Division
BBA Nonwovens Walpole
100 Elm Street
Walpole, MA, USA
02081-1898

Post-it® Fax Note	7671	Date	1/27/99	# of pages	1
To	Dave Phillips		From	Pete Vetter	
Co./Dept.			Co.		
Phone #			Phone #		
Fax #			Fax #		

Tel: 508-660-3322
800-338-7952 x322
Fax: 508-660-3393

Description of Transaction:

On July 31, 1998, BBA Nonwovens Simpsonville, Inc. ("BBA Nonwovens") and certain affiliates thereof purchased assets of International Paper Company ("IP") related to the manufacture, production, marketing, distribution and sale of (i) certain non-woven roll goods as intermediate products for incorporation into final products manufactured by third parties, including fabric components of absorbent hygiene products, fabric components for medical products and personal care wipes, materials for use as durable components in clothing, diskette liners and industrial grade fabrics for such uses as battery separators, filtration media, copier machine webs and advanced fiber non-wovens, (ii) certain non-woven final products, including specialty wipes and dampner covers, and (iii) the bleaching of cotton for incorporation into final products manufactured by third parties (the "Business"). Prior to the purchase, this Business had been conducted as an integrated part of IP as division named Veratec, together with certain non-U.S. subsidiaries of IP. The Business was transferred to BBA Nonwovens and certain affiliates in the form of (i) U.S. and non-U.S. assets of Veratec's business units and (ii) the stock of certain wholly owned non-U.S. subsidiaries of IP. The U.S. assets, including substantially all of the assets associated with the facility located at Rte. 15N, Lewisburg, Pennsylvania, were purchased by BBA Nonwovens.

The U.S. assets transferred as part of the sale of the Business included all of IP's right, title and interest in and to its U.S. assets required for, primarily related to, or used primarily in connection with the Business prior to the closing (other than certain specified excluded assets) including, without limitation, fee and leasehold real property, factories, plants, buildings, machinery, tools and equipment, motor vehicles, furniture and fixtures, computer hardware, inventories, supplies, leases of personal property, intellectual property, transferable government licenses, accounts receivable, customer lists, and contracts.

On behalf of BBA Nonwovens Simpsonville, Inc. ("BBA Nonwovens"), the undersigned hereby confirms that BBA Nonwovens agrees to abide by all constraints, conditions, requirements, commitments and representations identified in the existing Materials License, license number 37-28639-01, as amended, issued by the U.S. Nuclear Regulatory Commission to the Veratec division of International Paper at Lewisburg, Pennsylvania.

BBA NONWOVENS SIMPSONVILLE, INC.

By: 
Name: PAUL D. VANDETTTE
Title: PRES. IND. DIV.

125949
TOTAL P.01



BBA Nonwovens
PO Box 20
Route 15 North
Lewisburg PA 17837-0020
USA

Tel: 570-524-2281
888-456-2795
Fax: 570-524-8447

On behalf of BBA Nonwovens Simpsonville, Inc. ("BBA Nonwovens"), the undersigned hereby confirms that BBA Nonwovens agrees to abide by all constraints, conditions, requirements, commitments, and representations identified in the existing license 37-28639-01, relating to any constraints, conditions, requirements, commitments, and representations between Veratec and the United States Nuclear Regulatory Commission.

BBA Nonwovens Simpsonville, Inc.

By: *Mike Pettit*

Name: MIKE PETTIT

Title: Plant Manager

January 6, 1999

Docket No. 030-32156
Control No. 125948

License No. 37-28639-01

Michael Fenton
Manager of Engineering and Maintenance
Veratec
P.O. Box 20
Route 15N and Hafer Road
Lewisburg, PA 17837

Dear Mr. Fenton:

This is in reference to your letter dated July 31, 1998 requesting to amend Nuclear Regulatory Commission License No. 37-28639-01. In order to continue our review, we need the following additional information:

It appears from your letter that a possible change of ownership has occurred. 10 CFR 30.34(b) requires NRC consent prior to a change of ownership. Provide the following information:

- a. Provide the new name of the licensed organization, or state that there is no change.
- b. Any planned changes in personnel having control over licensed activities (e.g., officers of the corporation) and any changes in personnel named in the license such as the radiation safety officer, authorized users, or any other persons identified in previous license applications as responsible for radiation safety of use of licensed material.
- c. An indication of whether you will remain in non-licensed business without the license.
- d. A complete, clear description of the transaction. The description should include any transfer of stocks or assets, mergers, etc.
- e. Any planned changes in organization, location, facilities, storage or uses of licensed material, equipment or procedures. If such changes are to be made, they should be fully described.
- f. A detailed description of any changes in the use, possession or storage of licensed materials.

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- g. An indication of whether all surveillance items and records, (e.g., calibrations, leak tests, surveys, inventories and accountability requirements) will be current at the time of transfer.
- h. A description of the status of the facility. Specifically, the presence or absence of radioactive contamination should be documented. If contamination is present, will decontamination occur before transfer? If decontamination does not occur before the transfer, does the successor company agree to assume full liability for the decontamination of the facility?
- i. A description of any decontamination plans, including financial assurance arrangements, as required by 10 CFR 30.35, 40.36, and 70.25. Include information about how the transferee and transferor propose to divide the transferor's assets.
- j. Confirmation that the transferee or successor company agree to abide by all constraints, conditions, requirements, commitments and representations identified in the existing license. These include, but are not limited to: maintaining decommissioning records required by 10 CFR 30.35(g); implementing decontamination activities and decommissioning of the site; and completing corrective actions for open inspection items and enforcement actions. If not, the transferee must provide a description of its program to assure compliance with the license and regulations.
- k. Documentation that both the transferor and the transferee agree to the change in ownership or control of the licensed material and activity, and the conditions of transfer, and that the transferee has been made aware of all open inspection items and possible resulting enforcement actions.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I Office and refer to Mail Control No. 125948. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5276.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application.

Sincerely,

Original signed by Eric H. Reber

Eric H. Reber
Health Physicist
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety

Enclosure:
10 CFR Parts 19, 20, and 30

M. Fenton
Veratec

3

cc:
Duane Eberhart, Radiation Safety Officer

M. Fenton
Veratec

4

DOCUMENT NAME: G:\DNMS\DOCWORK\DEFLTR\3728639.01

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NAME	EReber <i>ER</i>						
DATE	01/06/99		01/ /99		01/ /99		01/ /99

OFFICIAL RECORD COPY

TELEPHONE CONVERSATION RECORD	Date: 9/9/98	Time: 2:00pm
Mail Control No.: 125948	License No.: 37-28639-01	Docket No.: 030-32156
Person Called: Mike Fenton	Organization: Veratec/BBA Nonwovens. Simpsonville, Inc.	Telephone Number: 717-524-2281
Person Calling: Eric H. Reber / (215) 337-5276		
Subject: Change of ownership - Letter dated July 31, 1998		

Summary:

It appears from your letter that a possible change of ownership has occurred. 10 CFR 30.34(b) requires NRC consent prior to a change of ownership. Provide the following information:

- a. Provide the new name of the licensed organization, or state that there is no change.
- b. Any planned changes in personnel having control over licensed activities (e.g., officers of the corporation) and any changes in personnel named in the license such as the radiation safety officer, authorized users, or any other persons identified in previous license applications as responsible for radiation safety of use of licensed material.
- c. An indication of whether you will remain in non-licensed business without the license.
- d. A complete, clear description of the transaction. The description should include any transfer of stocks or assets, mergers, etc.
- e. Any planned changes in organization, location, facilities, storage or uses of licensed material, equipment or procedures. If such changes are to be made, they should be fully described.
- f. A detailed description of any changes in the use, possession or storage of licensed materials.
- g. An indication of whether all surveillance items and records, (e.g., calibrations, leak tests, surveys, inventories and accountability requirements) will be current at the time of transfer.
- h. A description of the status of the facility. Specifically, the presence or absence of radioactive contamination should be documented. If contamination is present, will decontamination occur before transfer? If decontamination does not occur before the transfer, does the successor company agree to assume full liability for the decontamination of the facility?
- i. A description of any decontamination plans, including financial assurance arrangements, as required by 10 CFR 30.35, 40.36, and 70.25. Include information about how the transferee and transferor propose to divide the transferor's assets.
- j. Confirmation that the transferee or successor company agree to abide by all constraints, conditions, requirements, commitments and representations identified in the existing license. These include, but are not limited to: maintaining decommissioning records required by 10 CFR 30.35(g); implementing decontamination activities and decommissioning of the site; and completing corrective actions for open inspection items and enforcement actions. If not, the transferee must provide a description of its program to assure compliance with the license and regulations.

Action Required/Taken:

Signature:

G. J. Kelly

Date:

9/9/98

This is to acknowledge the receipt of your letter/application dated

7/31/98, and to inform you that the initial processing which includes an administrative review has been performed.

There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information. *AMEND. 37-28639-01*

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 125948.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

Sincerely,
Licensing Assistance Team Leader



030-32156

ROUTE 15
POST OFFICE BOX 20
LEWISBURG PA 17837
PHONE 717 524 2281

37-28639-01

July 31, 1998

U.S. Nuclear Regulator Commission
Region 1
Nuclear Materials Safety Section C
Division of Radiation Safety & Safeguard

Dear Sir:

I have read the submitted application for Material License and concur with the statements and representations contained therein.

Sincerely,

Mike Fenton
Manager Engineering/Maintenance

:ke

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AUG - 3 1998

OFFICIAL RECORD COPY ML 10

INTERNATIONAL  PAPER
VERATEC DIVISION

The attached application requests these changes:

- 1) Change our name from Veratec to BBA Nonwovens, Simpsonville, Inc.
- 2) Add Scott Neuhard as an alternate RSO.
- 3) Add Charles Morgan, Jeffery Pahl, Robert Kremer, and Duane Eberhart as people qualified to change a source window.

NRC FORM 313

U. S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 7/31/89

(7-86)
19 CFR 30, 32, 33
34, 35, 36, 39 and 40

Estimated burden per response to comply with this information collection request: 7 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. NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

APPLICATION FOR MATERIAL LICENSE

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 2800
ATLANTA, GA 30323-0199

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

B. AMENDMENT TO LICENSE NUMBER 37-28639-01

C. RENEWAL OF LICENSE NUMBER _____

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

BBA Nonwovens, Simpsonville, Inc.
PO Box 20
Lewisburg, PA 17837

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

BBA Nonwovens, Simpsonville, Inc.
Rt 15
Lewisburg, PA 17837

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Duane L. Eberhart

TELEPHONE NUMBER
717-524-8473

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.

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

9. FACILITIES AND EQUIPMENT.

11. WASTE MANAGEMENT.

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

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

10. RADIATION SAFETY PROGRAM.

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY	AMOUNT ENCLOSED \$
--------------	--------------------

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	SIGNATURE	DATE
Duane L. Eberhart RSO		

FOR NRC USE ONLY					
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		1 2 5 9 4 8 AUG - 3 1988
APPROVED BY			DATE		

030-32156

NRC License Application

Item 5:

We will limit our possession of sealed sources containing radioactive material to less than the minimum inventory requiring financial assurance.

Item 6:

The authorized use of the sealed radioactive sources will be in Kay Ray, Accuray (ABB), Ohmart, LFE (Eurotherm), Measurex, Honeywell, 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.

Item 7:

The Radiation Safety Officer for this license will continue to be Duane L. Eberhart.
The Alternate Radiation Safety officer will be Scott D. Neuhard.

Both of these people have attended and passed a fixed gauge manufacturers' radiation Technology Course. In addition Duane has attended and passed an RSO refresher course. Copies of these certificates are attached.

Item 8:

The first scenario would be for one of our technicians to change the source window in an LFE gauge. This is a 1200 mCi Krypton source.

- 1) One technician would replace one source window per quarter. (This by far exceeds our past experience.)
- 2) The average time to replace a window does not exceed 30 minutes (1/2 hour).
- 3) An average radiation from an LFE gauge, either whole body or skin, is 0.5 mR/hr. This was measured directly with a survey meter.

The above data gives the following results:

$$0.5 \text{ mR/hr} \times 0.5 \text{ hr} = .25\text{mR/quarter}$$

The next scenario, and the worst case, for exposure in our mill would probably be the LFE for Weformer 2. This is a 1200mCi Krypton source and has the closest operator proximity. This would occur when the operator is inspecting the web or tagging a defect.

1) The radiation level at three feet is 6.35mR/hr. This was measured by survey meter.

2) The average operator spends 5 minutes (1/12 hr) per day working within three feet of the frame end.

$$1/12 \text{ hr} \times 5 \text{ days/week} \times 13 \text{ weeks/quarter} = 5.4 \text{ hr/quarter}$$

3) The source is only within three feet of the frame end for 5 seconds of a 28 second scan cycle. Therefore the total time, per quarter, spent within the three feet is :

$$5.4\text{hr/qtr} \times 5\text{seconds}/28\text{seconds} = .96\text{hr/qtr}$$

The above data gives the following results:

$$.96\text{hr/qtr} \times 6.35\text{mR/hr} = 6.14\text{mR/qtr}$$

Item 9

We will ensure that the location of each fixed gauge meets the criteria in the section entitled 'Facilities and Equipment' in draft NUREG-1556, Vol. 4, 'Consolidated guidance about Materials Licenses: Program-specific Guidance about Fixed Gauge Licenses'. dated October 1997.

Item 10

Surveys according to 10CFR20.1501 will be performed by persons specifically authorized by the NRC or and Agreement State to perform these surveys.

Physical inventories will be conducted at least every 6 months. or at other intervals approved by the NRC. to account for all sealed sources and devices received and possessed under this license.

We will maintain. for inspection. documentation demonstrating that unmonitored individuals are not likely to receive. in one year. a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20.

Operating and emergency procedures are developed. implemented. maintained. and distributed. and meet the criteria in section entitled 'Radiation Safety Program- Operating and Emergency Procedures' in NUREG-1556, Vol. 4, Consolidated Guidance about Materials Licenses: Program-specific Guidance about Fixed Gauge Licenses, dated October 1997.

Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the sealed source and device registration certificate. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization authorized by NRC

or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions. Records of leak test results will be maintained.

The following people have been listed on our previous license and may currently perform source window replacement:

J. Rogers
S. Neuhard

We want to add the following people whose certificates of completion of the gauge manufacture's training course is attached:

Charles P. Morgan
Jeffery A. Pahl
Robert M. Kremer
Duane L. Eberhart

See attached instruction for source window replacement.

We will not use fixed gauges at temporary job sites.

Scott D. Neuhard
Maintenance Engineer
BBA Nonwovens, Simpsonville, Inc.
P.O. Box 20
Route 15 & Hafer Road
Lewisburg, PA 17837

BACKGROUND

Experience

Veratec, a Division of International Paper Co.

March, 1996 - Present

Maintenance Engineer

December, 1980 - March, 1996

B-Specialist, Instrument Electrician

Education

Pennsylvania State University

August, 1996

Bachelor of Science in Electrical Engineering Technology

(Reference to Chemistry, two weeks dedicated to Radiation Theory)

May, 1976

Associate Degree in Electrical Engineering Technology

Training

LFE, a Division of Eurotherm Gauging Systems

January, 1998

Radiation Technology (2 day mini-course)

November, 1990

Radiation Technology (2 day mini-course)

April, 1982

Maintenance of LFE Profitmaster 5001 Systems

Accuray, a Division of ABB

October, 1983

Maintenance of Accuray Micro 100 Systems



EUROTHERM
GAUGING
SYSTEMS

CERTIFICATE

Awarded to

Scott D. Newhard

FOR SUCCESSFUL COMPLETION OF A 16 HOUR COURSE IN RADIATION TECHNOLOGY
SUBJECTS INCLUDED WERE:

STRUCTURE OF THE ATOM
THE ELEMENTS
PRINCIPLES OF RADIOACTIVITY
CHARACTERISTICS OF RADIOISOTOPES
INTERACTION WITH MATTER
RADIOACTIVE DECAY
UNITS OF RADIOACTIVITY
DESIGN OF RADIOACTIVE SOURCES
DETECTION OF RADIATION
PRINCIPLES OF RADIATION GAUGING

GEIGER TUBE SURVEY METER
UNITS OF RADIATION DOSE
ION CHAMBER SURVEY METER
NRC AND AGREEMENT STATES
LEAK TESTING
PROTECTION AGAINST RADIATION
BIOLOGICAL EFFECTS OF RADIATION
EMERGENCY PROCEDURES
REPORTING INCIDENTS

PRESENTED AT: VERATEC

Lewisburg, Pennsylvania
January 13 & 14, 1998

William R. Prendergast
William R. Prendergast
Instructor



EUROTHERM
GAUGING
SYSTEMS

CERTIFICATE

Awarded to

Charles P. Morgan

FOR SUCCESSFUL COMPLETION OF A 16 HOUR COURSE IN RADIATION TECHNOLOGY
SUBJECTS INCLUDED WERE:

STRUCTURE OF THE ATOM
THE ELEMENTS
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BIOLOGICAL EFFECTS OF RADIATION
EMERGENCY PROCEDURES
REPORTING INCIDENTS

PRESENTED AT: VERATEC

Lewisburg, Pennsylvania
January 13 & 14, 1998

William R. Prendergast
William R. Prendergast
Instructor



EUROTHERM
GAUGING
SYSTEMS

CERTIFICATE

Awarded to

Jeffrey A. Pahl

FOR SUCCESSFUL COMPLETION OF A 16 HOUR COURSE IN RADIATION TECHNOLOGY
SUBJECTS INCLUDED WERE:

STRUCTURE OF THE ATOM
THE ELEMENTS
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PRESENTED AT: VERATEC

Lewisburg, Pennsylvania
January 13 & 14, 1998

William R. Prendergast
William R. Prendergast
Instructor



EUROTHERM
GAUGING
SYSTEMS

CERTIFICATE

Awarded to

Robert M. Kremer

FOR SUCCESSFUL COMPLETION OF A 16 HOUR COURSE IN RADIATION TECHNOLOGY
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PROTECTION AGAINST RADIATION
BIOLOGICAL EFFECTS OF RADIATION
EMERGENCY PROCEDURES
REPORTING INCIDENTS

PRESENTED AT: VERATEC

Lewisburg, Pennsylvania
January 13 & 14, 1998

William R. Prendergast
William R. Prendergast
Instructor



EUROTHERM
GAUGING
SYSTEMS

CERTIFICATE

Awarded to

Duane L. Eberhart

FOR SUCCESSFUL COMPLETION OF A 16 HOUR COURSE IN RADIATION TECHNOLOGY
SUBJECTS INCLUDED WERE:

STRUCTURE OF THE ATOM
THE ELEMENTS
PRINCIPLES OF RADIOACTIVITY
CHARACTERISTICS OF RADIOISOTOPES
INTERACTION WITH MATTER
RADIOACTIVE DECAY
UNITS OF RADIOACTIVITY
DESIGN OF RADIOACTIVE SOURCES
DETECTION OF RADIATION
PRINCIPLES OF RADIATION GAUGING

GEIGER TUBE SURVEY METER
UNITS OF RADIATION DOSE
ION CHAMBER SURVEY METER
NRC AND AGREEMENT STATES
LEAK TESTING
PROTECTION AGAINST RADIATION
BIOLOGICAL EFFECTS OF RADIATION
EMERGENCY PROCEDURES
REPORTING INCIDENTS

PRESENTED AT: VERATEC

Lewisburg, Pennsylvania
January 13 & 14, 1998

William R. Prendergast
William R. Prendergast
Instructor

Certificate of Training

This Certifies That

Duane L. Eberhart

has successfully completed the 20-hour course of instruction for

RSO Refresher

February 18-20, 1998

Presented By

CSI-Radiation Safety Training
3827 Farragut Avenue
Kensington, Maryland 20895

in association with

Radiation Service Organization, Inc.
Post Office Box 1526
Laurel, Maryland 20725

Ray Johnson

Raymond Johnson, C.H.P., P.E.
Training Director





This is to certify that:

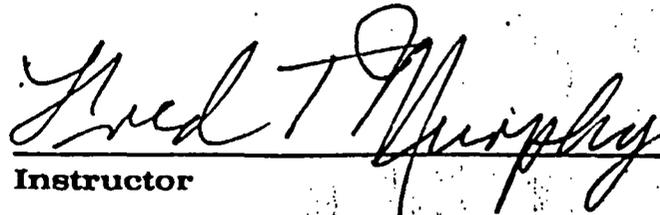
DUANE L. EBERHART

Has successfully completed the prescribed course
of classroom and workshop training on . . .

MICRO 100
APRIL 30, - MAY 25, 1979

In testimony whereof, this certificate is awarded
and signed this 25th day of MAY, 1979.


Vice President


Instructor


President, Industrial Nucleonics Corp.


Training Director



Service Company

Certificate of Completion

This Certifies that

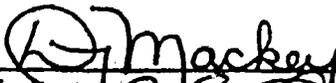
Duane Eberhart

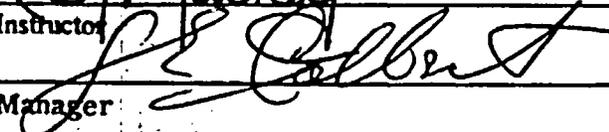
International Paper

has successfully completed the

Profitmaster 5001 Maintenance Training

and in testimony thereof is awarded this Certificate.


Instructor


Manager



June 11, 1982
Date
Clinton, Massachusetts
Location



Service Company

Certificate of Completion

This Certifies that

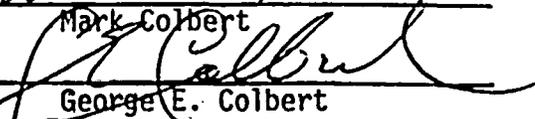
Duane L. Eberhart

has successfully completed the

Profitmaster Maintenance Training

and in testimony thereof is awarded this Certificate.


Instructor Mark Colbert


Manager George E. Colbert



March 27, 19 81
Date

Waltham, MA
Location

Device Window Replacement

A. Source Housing Window Replacement

1. The window on the source housing is replaced from the outside of the device. The material of the source housing window of the LFE Model SCL-77A or SUP77A device is aluminum with a thickness of 0.8 mil.
2. Before attempting to replace a window, make certain that the device shutter is closed. Closure is indicated by illumination of the green indicator light. After removing power from the device, check again for shutter closure by observing green (no red) in the viewing port. Remove the detector housing to gain access to the window. To remove the detector housing, remove the electrical connector and the four bolts that secure the detector housing to its mounting bracket or remove the electrical connector and the two bolts that secure the detector housing and its bracket to the frame, depending on the type of frame.
3. The window is secured by means of a steel ring which is held in place by four screws. To remove the damaged window, remove the screws and lift off the ring. The window may now be removed.
4. Before installing the new window, make certain that the "O" ring beneath the window is in place. Place the new window in position and make a small hole in it for the first screw. Align this hole with the screw hole. Place the ring over the window, aligning one of the holes with the screw hole. Place a screw in the hole and engage about two turns. On the opposite side of the ring, make another small hole in the window for the second screw and align with the screw hole. Place a screw through the hole in the ring into the screw hole. Engage about two turns. Repeat the process for the remaining screws. Tighten all screws. With a knife, trim excess window material.
5. Return the detector housing to the frame. Reconnect the electrical connector.

B. Detector Window Replacement

1. The window on the detector housing is replaced from the outside of the device. The material of the detector housing window is aluminum with a thickness of 2.0 mils.
2. Before attempting to replace a window, make certain that the device shutter is closed. Closure is indicated by illumination of the green indicator light. After removing power from the device, check for closure of the shutter by observing green (no red) in the viewing port. For window replacement, the detector housing must be removed from the frame. To remove the detector housing, remove the electrical connector and the four bolts that secure the detector housing to its mounting bracket or remove the electrical connector and the two bolts that secure the detector housing and its bracket to the frame, depending on the type of frame.

3. The window is secured by means of a steel ring which is held in place by six screws. To remove the damaged window, remove the screws and lift off the ring. The window may now be removed.
4. Before installing the new window, make certain that the "O" ring beneath the window is in place. Place the new window in position and make a small hole in it for the first screw. Align this hole with the screw hole. Place the ring over the window aligning one of the holes with the screw hole. Place a screw in the hole and engage about two turns. On the opposite side of the ring, make another small hole in the window for the second screw and align with the screw hole. Place a screw through the hole in the ring into the screw hole. Engage about two turns. Repeat the process for the remaining screws. Tighten all screws. With a knife, trim excess window material.
5. Return the detector housing to the frame. Reconnect the electrical connector.