

PRECISION MATERIALS CORPORATION

REPLOGLE AVENUE

MINE HILL, N.J. 07801

(201) 989-0100

Log	Feb 19
Remitter	
Check No.	2591
Amount	\$ 230.36
Fee	
Type of	Amendment
Date Check Rec'd.	2/26/87
Date Completed	2/26/87
By	J. Kimbrell
	February 11, 1987

Dr. John Glenn, Chief
U.S. Nuclear Regulatory Commission
Nuclear Material Section B
631 Park Avenue
King of Prussia, PA 19406

Dear Dr. Glenn:

Please consider this letter to be a request for an amendment to Materials License No.29-20777-01.

Specific changes:

- 1 - change Page 107 Line 7 of the license application from "2 mr/hr" to "4 mr/hr"
- 2 - change Part 12.A. Line 3 of the Materials License from "two months" to "two weeks"

The reason for the change to the PRM alarm set point is that approximately four months after the previous increase in the set point the false alarm problem once again began to occur on an almost daily basis. In an attempt to correct the problem we took the following steps:

- 1 - Replaced the ground wire on the probe.
- 2 - Replaced the counting circuitry associated with the alarm.
- 3 - Recalibration of the entire system.

All of the above steps were unsuccessful in eliminating the problem. On July 16, 1986 we reset the alarm set point to a 4 mr/hr rise. Since that time no false alarms have occurred. The reason we waited six months was due to the length of time it took the problem to reoccur when we had previously attempted to correct it by increasing the set point. Note: At this time, we are also attempting to find a replacement for the Ludlum 300 for use as a PRM.

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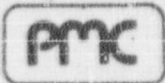
"OFFICIAL RECORD COPY"

ML18

106809

8707200625 870331
REG 1 LIC30
29-20777-01
PDR

FEB 17 1987



PRECISION MATERIALS CORPORATION

Dr. John Glenn
February 11, 1987
Page 2

The reason for the change to the "additional on-the-job supervised training" is that we have found the extra weeks serve no use to either the company or the trainee. All the trainees that we have hired over the past three years have either been successful with their training or have been dropped from training by the sixth week. Also, we have found these additional problems with the extra six weeks:

1. The constant supervision leads the trainee into the "mind set" that he is always being watched and corrected, and is not conducive to independent decision making we feel is necessary for our operators to develop in order to operate the irradiator in the safest manner.
2. The company's ability to replace employee's who leave is severely restricted, by the extra six weeks, which could result in the company hiring personnel that normally would not be considered for this position.

Also, at this time, we wish to submit Ronald L. Hughes as a Responsible User. Mr. Hughes joined the company on August 21, 1986. Please find enclosed copies of his Qualification Card and his resume.

If you have any questions, please call.

Sincerely,

A handwritten signature in dark ink, appearing to read 'E. R. Nestor', written over a light-colored background.

Eugene R. Nestor
Vice President
Regulatory Affairs

ERN:tmc

Enclosures

OPERATOR'S QUALIFICATION CARD

Operator Trainee's Name Ronald L. Hughes
 Social Security Number 305-64-1656

The operator's Qualification Card is to be used as a record that the Operator Trainee has completed all requirements of Item E of the license application. All signature blocks are to be signed and dated by a Radiation Safety Officer or a designated Operator-Instructor. Section 4 of this card will be signed by all members of the Precision Materials Corporation Safety Committee upon the trainee's successful completion of the Oral Qualification Board. This card is part of the training file and is not to be disposed of without written permission of the Compliance Officer.

PHASE I - Formal Training

DATE SIGNATURE

(Note: Each signature represents one hour of completed lecture.)

- | | |
|---|--|
| A) Operating and ALARA Philosophy of Precision Materials Corporation. | 1) <u>8/22/86</u> <u>Ronald L. Hughes</u>
2) <u>8/22/86</u> <u>Ronald L. Hughes</u> |
| B) Review of the History of Nuclear Power and Gamma Irradiation. | 1) <u>9/2/86</u> <u>Ronald L. Hughes</u>
2) <u>9/2/86</u> <u>John M. B.</u> |
| C) Mathematics Review | 1) <u>9/8/86</u> <u>Ronald L. Hughes</u>
2) <u>9/8/86</u> <u>Ronald L. Hughes</u> |
| D) Types and Effects of Radiation | 1) <u>9/15/86</u> <u>Ronald L. Hughes</u>
2) <u>9/16/86</u> <u>Ronald L. Hughes</u>
3) <u>9/18/86</u> <u>John M. B.</u>
4) <u>9/19/86</u> <u>John M. B.</u> |
| E) Radiation Measurements and Instrumentation | 1) <u>9/23/86</u> <u>John M. B.</u>
2) <u>9/23/86</u> <u>John M. B.</u>
3) <u>9/25/86</u> <u>John M. B.</u>
4) <u>9/25/86</u> <u>John M. B.</u> |

DATE

SIGNATURE

F) High Level Dosimetry

- 1) 9/11/86 Robert H. Stine
- 2) 9/11/86 Robert H. Stine

G) Review of Microbiology

- 1) 9/29/86 Robert H. Stine
- 2) 9/29/86 Robert H. Stine

H) Irradiator Design and Construction

- 1) 9/10/86 Ken St.
- 2) 9/10/86 Ken St.

I) Safety Systems

- 1) 9/15/86 Ken St.
- 2) 9/15/86 Ken St.
- 3) 9/17/86 Ken St.
- 4) 9/17/86 Ken St.

J) Procedures

- 1) 9/12/86 Ed M.
- 2) 9/12/86 Ed M.
- 3) 9/12/86 Ken St.
- 4) 9/12/86 Ken St.

K) Quality Control and Regulatory
Regulatory Requirements

- 1) 9/30/86 Ed M.
- 2) 9/30/86 Ed M.
- 3) 9/30/86 Ed M.
- 4) 9/30/86 Ed M.

PHASE II - Simulator Training

(Note: Each signature represents four
hours of Simulator Training).

- 1) 9/10/86 Ken St.
- 2) 9/10/86 Ken St.
- 3) 9/11/86 Ken St.
- 4) 9/11/86 Ken St.

PHASE III - On-the-Job Training
(Note: Each signature represents one part of the required training).

DATE

SIGNATURE

(A) Under Instruction

of days 5

1) 8/29/86

[Signature]

(B) Under Direct Supervision

of days 5

2) 9/12/86

[Signature]

(C) Under Supervision

of days 5

3) 9/26/86

[Signature]

PHASE IV - Oral Qualification Board

10/1/86

Eugene R. Nester

[Signature]

10/1/86

Russell Stein

[Signature]

10/1/86

MARTIN H. STEIN

[Signature]

(Date)

(Print Name)

(Signature)

NOTE: Attach Question Sheets to Qualification Card.

RONALD L. HUGHES
82 South Hillside Avenue
Succasunna, New Jersey 07876
(201)-927-0704

**GENERAL
BACKGROUND:**

Photographic Illustration - Advertising, Promotional,
Corporate, Industrial, Annual Report, Location, and Studio.
Management - Shift Foreman, Restaurant Manager.

EXPERIENCE:

September 1985
to Present:

SIEGEL STUDIO - Brattleboro, Vermont
Photographic Illustrator/Lab Technician - Work closely with
designers on creative concepts, arrangement of shoots, studio
and location photography, production-type photography (i.e.,
copywork, dupes, internegs, etc.), organization of workflow,
running of black and white and E-6 labs, ordering of supplies.

1980 - 1985

DENNISON COMPUTER SUPPLIES - Milford, Massachusetts
Shift Foreman - Directed a team of 3 supervisors and 65
employees in the manufacturing of flexible diskettes for use in
micro computers. After joining Dennison I successfully worked
to bring production from 40,000 units per month to over 2.5
million per month.

Was responsible for setting up a second-shift operation, which
included hiring personnel, training and turning the shift over to
a shift supervisor.

Designed and implemented a scrap system which effectively
saved the company 30% in salvaged material.

Organized and developed an ongoing safety program, and acted
as director of the program for 2 years.

Designed a tracking system for all parts manufactured through-
out the facility.

Equipment used included ESD primary and secondary folders,
IXI certification equipment, Bernal rotary blankers.

RONALD L. HUGHES

EXPERIENCE: (Cont'd)

1978 - 1980

AMERICAN OPTICAL CORP. - Framingham, Massachusetts
Team Leader - Directed a group of 10 people in the manufacturing of soft contact lenses, using a modular concept of production.

1974 - 1978

FRIENDLY ICE CREAM CORP. - Wilbraham, Massachusetts
Manager - Four years restaurant management which included responsibilities for inventory control, scheduling of 30 employees, contracting outside services, and cost control of the facility.

1972 - 1974

BELDEN CORPORATION - Richmond, Indiana
Sales and Service Representative - Serviced electronic wire and cable customers on the east coast.

EDUCATION:

NEW ENGLAND SCHOOL OF PHOTOGRAPHY - Boston, Mass.

DEAN JUNIOR COLLEGE - Franklin, Massachusetts
Associate of Science in Business Administration.

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

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

03022063

03521

3/90

LICENSE FEE TRANSMITTAL

A. REGION T

1. APPLICATION ATTACHED

Applicant/Licensee: Precision Materials Corporation

Application Dated: 2/11/87

Control No.: 106809

License No.: 29-20777-01

2. FEE ATTACHED

Amount: \$ 230.00

Check No.: 2591

3. COMMENTS

Signed _____

Date _____

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 36 \$ 230

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

Amendment

Renewal

License

Signed S. Kimberley

Date 2/26/87