

**ALCAN ROLLED PRODUCTS**

Alcan Rolled Products - Ravenswood, LLC

Century Road  
P.O. Box 68  
Ravenswood, WV 26164 0068  
USA  
www.alcan.com



MS 16

P-2

April 4, 2006

Licensing Assistance Team  
Division of Nuclear Material Safety  
United States Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

03007657

Re: Request for Amendment of NRC License No. 47-14123-01  
Supplemental Information  
Mail Control Number 138262

RECEIVED  
REGION I  
2006 APR 12 AM 10:57

Dear Sir or Madam:

As per your request, I have enclosed supplemental documentation demonstrating completion of manufacturer's training for servicing gauges and performing non-routine maintenance. Please note that although general radiation safety topics were included in these training sessions, the main objective was to qualify the individuals to perform non-routine maintenance and gauge servicing.

I have provided a summary matrix of the training history for each individual listed on the license. This summary is provided in Attachment A. I have also included supporting documentation for completion of the listed training courses.

I hope this provides you with the information that you needed. Should you have any questions, please contact me at (304) 273-6972 or via email at [jeff.brooks@alcan.com](mailto:jeff.brooks@alcan.com). Thank you for your continued assistance.

Sincerely,

A handwritten signature in cursive script that reads "William J. Brooks".

William J. Brooks  
RSO

Cc: Michael Steele, ENV.

138262

NMSS/ROH MATERIALS-002

***Attachment A: Summary of Training History for Non-Routine Maintenance and Gauge Servicing.***

***Table A-1***

Individual	Training Course Completion Date		
	Gauge Manufacturer Representative		
	IRMS, Inc Grove City, Ohio	Thermo Electron Corp. San Diego, CA	IMS Mars, Pa
W. Jeff Brooks	Aug-2004	Jan-2005	Dec-2004
Terry Steele	Aug-2004		Dec-2004
Chuck Bailey	Aug-2004	Jan-2005	
Rocky Ford	Sept-2004	Jan-2005	
Mike Patterson	Sept-2004	Jan-2005	
Vikki Rose	Oct-2005		

***Table A-2***

Individual	Training Course Completion Date		
	Gauge Manufacturer Representative		
	ABB Process Automation Inc.	Combustion Engineering	IMS
Allen Hilliard	Feb-1993	Jul-1988	Jan-1986



March 27, 2006

Alcan  
P.O. Box 98  
Ravenswood, VA 45865

Att: Mr. Jeff Brooks  
Ref: October 20, 21, 2005 Alcan Training

The two days of training provided by Terry Arbogast (IRM Group Radiation Safety Officer), consisted of "Non-Routine" and "Routine" radiological processes for servicing IRM Group/AccuRay gauges.

Best Regards,

A handwritten signature in black ink that reads "Terry Arbogast". The signature is written in a cursive, flowing style with a large initial "T" and a long, sweeping underline.

Terry Arbogast  
Radiation Safety Officer

TA:sw



**Rocky Ford**

**Of  
PECHINEY  
RAVENSWOOD, WV**

**September 15, 2004**

*Has successfully completed a two-day "Radiation and Isotope Safety & Handling Course" consisting of installation, initial radiation surveys, relocation/removal from service, dismantling, alignment, and non-routine maintenance and repair of components related to radiological safety of gauge, including written exam.*

*A complete course syllabus and other course materials are available to regulatory authorities upon request. For additional information on this course, please contact the instructor at the address below.*

IRMS, Inc.  
3940 Gantz Road  
Grove City, Ohio 43123  
(614) 277-4810

Terry Arbogast, Radiation Safety Officer

A handwritten signature in dark ink, appearing to read "Terry Arbogast", written over a horizontal line.  
Signature



**Mike Patterson**

*Of*  
**PECHINEY  
RAVENSWOOD, WV**

**September 15, 2004**

*Has successfully completed a two-day "Radiation and Isotope Safety & Handling Course" consisting of installation, initial radiation surveys, relocation/removal from service, dismantling, alignment, and non-routine maintenance and repair of components related to radiological safety of gauge, including written exam.*

*A complete course syllabus and other course materials are available to regulatory authorities upon request. For additional information on this course, please contact the instructor at the address below.*

IRMS, Inc.  
3940 Gantz Road  
Grove City, Ohio 43123  
(614) 277-4810

Terry Arbogast, Radiation Safety Officer

A handwritten signature in dark ink, appearing to read "Terry Arbogast", written over a horizontal line.  
Signature



**Jeff Brooks**

**Of  
PECHINEY  
RAVENSWOOD, WV**

**August 3, 2004**

*Has successfully completed a two-day "Radiation and Isotope Safety & Handling Course" consisting of installation, initial radiation surveys, relocation/removal from service, dismantling, alignment, and non-routine maintenance and repair of components related to radiological safety of gauge, including written exam.*

*A complete course syllabus and other course materials are available to regulatory authorities upon request. For additional information on this course, please contact the instructor at the address below.*

IRMS, Inc.  
3940 Gantz Road  
Grove City, Ohio 43123  
(614) 277-4810

Terry Arbogast, Radiation Safety Officer

*Terry Arbogast*  
Signature



**Chuck Bailey**

*Of*  
**PECHINEY  
RAVENSWOOD, WV**

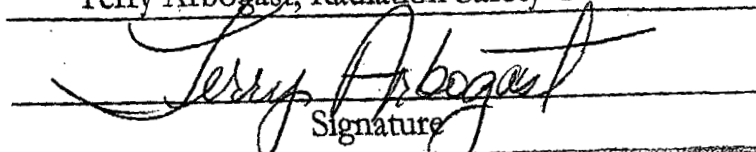
**August 3, 2004**

*Has successfully completed a two-day "**Radiation and Isotope Safety & Handling Course**" consisting of installation, initial radiation surveys, relocation/removal from service, dismantling, alignment, and non-routine maintenance and repair of components related to radiological safety of gauge, including written exam.*

*A complete course syllabus and other course materials are available to regulatory authorities upon request. For additional information on this course, please contact the instructor at the address below.*

IRMS, Inc.  
3940 Gantz Road  
Grove City, Ohio 43123  
(614) 277-4810

Terry Arbogast, Radiation Safety Officer

  
Signature





**Terry Steele**

**Of  
PECHINEY  
RAVENSWOOD, WV**

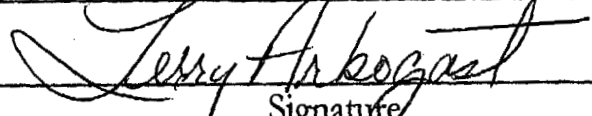
**August 3, 2004**

*Has successfully completed a two-day "Radiation and Isotope Safety & Handling Course" consisting of installation, initial radiation surveys, relocation/removal from service, dismantling, alignment, and non-routine maintenance and repair of components related to radiological safety of gauge, including written exam.*

*A complete course syllabus and other course materials are available to regulatory authorities upon request. For additional information on this course, please contact the instructor at the address below.*

IRMS, Inc.  
3940 Gantz Road  
Grove City, Ohio 43123  
(614) 277-4810

Terry Arbogast, Radiation Safety Officer

  
Signature



VIKKI ROSE  

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Of  
PECHINEY RAVENSWOOD  

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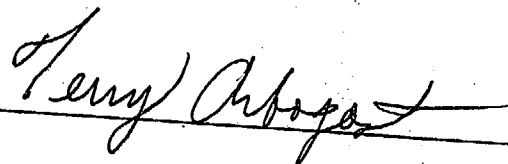
October 21, 2005  

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*Has successfully completed a two-day Course of "Radiological Procedures and Safety Practices".*

*A complete course syllabus and other course materials are available to regulatory authorities upon request. For additional information on this course, please contact the instructor at the address below.*

IRM Group, Inc.  
3940 Gantz Rd. Suite E  
Grove City, Ohio 43123  
(614) 277-4810

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Terry Arbogast  
Radiation Safety Officer

## SERVICE REPORT

*Date: 1/04/05 Travel Hours: 8*  
*Date: 1/05/05 Site Hours: 7.5 / Travel Hours: .75*  
*Date: 1/06/05 Site Hours: 7.5 / Travel Hours: .75*  
*Date: 1/07/05 Travel Hours: 8*

Customer requests that Radiation and source holder maintenance training be conducted in order to perform any required "non-routine" and normal maintenance functions on site.

**01/05/05** - Conducted Radiation and source holder maintenance training for site personnel. Training consisted of following the prescribed training outline (attached) and Rev.D, 1/05 of the Thermo Advanced Technician Safety Training.

**01/06/05** - Concluded Radiation and Maintenance training for customer personnel. A certificate will be issued by Thermo to properly document this training for customer and state records.

# Thermo Gamma-Metrics

Having successfully completed the necessary course of instruction this certifies that:

Jeff Brooks  
Of  
Pechiney Rolled Products, LLC

Has been instructed, tested and is qualified in Basic Radiation Safety standards for Authorized Users philosophy in accordance with all applicable regulations of 10 CFR and NUREG 1566 volume 4 for the:

450TSC

Given this date under my hand:  
06 January 2005



---

Todd A. Taylor  
Field Service Engineer

# Thermo Gamma-Metrics

Having successfully completed the necessary course of instruction this certifies that:

Michael Patterson  
Of  
Pechiney Rolled Products, LLC

Has been instructed, tested and is qualified in Basic Radiation Safety standards for Authorized Users philosophy in accordance with all applicable regulations of 10 CFR and NUREG 1566 volume 4 for the:

450TSC

Given this date under my hand:

06 January 2005



---

Todd A. Taylor  
Field Service Engineer

# Thermo Gamma-Metrics

Having successfully completed the necessary course of instruction this certifies that:

Rocky Ford  
Of  
Pechiney Rolled Products, LLC

Has been instructed, tested and is qualified in Basic Radiation Safety standards for Authorized Users philosophy in accordance with all applicable regulations of 10 CFR and NUREG 1566 volume 4 for the:

450TSC

Given this date under my hand:  
06 January 2005



---

Todd A. Taylor  
Field Service Engineer

# Thermo Gamma-Metrics

Having successfully completed the necessary course of instruction this certifies that:

Chuck Bailey  
Of  
Pechiney Rolled Products, LLC

Has been instructed, tested and is qualified in Basic Radiation Safety standards for Authorized Users philosophy in accordance with all applicable regulations of 10 CFR and NUREG 1566 volume 4 for the:

450TSC

Given this date under my hand:  
06 January 2005



---

Todd A. Taylor  
Field Service Engineer

[illegible]



# Certificate

***Jeff Brooks***

has attended a training course

***Profile Gauge***

at

**12/07/2005 – 12/09/2005**

## Topics covered

- Non-routine maintenance
- Shutter unit training
- Radiation protection
- Ionisation chamber
- Signal Flow
- Wedge and Crown Calculation
- Measuring Principles
- Routine maintenance

Alfons Treder  
IMS On-site Instructor

Michael Storer  
IMS Systems Inc Service Manager



**IMS Systems Inc**  
981 Route 228  
Mars, PA 16046

# Certificate

***Terry Steele***

has attended a training course

***Profile Gauge***

at

**12/07/2005 – 12/09/2005**

## Topics covered

- Non-routine maintenance
- Shutter unit training
- Radiation protection
- Ionisation chamber
- Signal Flow
- Wedge and Crown Calculation
- Measuring Principles
- Routine maintenance

Alfons Treder  
IMS On-site Instructor

Michael Storer  
IMS Systems Inc Service Manager



IMS Systems Inc  
981 Route 228  
Mars, PA 16046

CERTIFICATE

This is to certify that

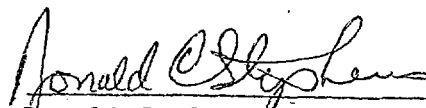
BILL CRAIGO  
ALAN HILLIARD  
ROBERT KLEIN  
JOHN SWANIK

completed a course of instruction in Radiological Servicing and Safety Officer training conducted on July 20 and 21, 1988 at Process Automation Business, Inc. at Columbus, Ohio.

This training course consisted of sixteen hours of lecture and demonstration covering the following subjects:

RISK VS BENEFIT  
FUNDAMENTALS OF RADIATION SAFETY  
ESTABLISHMENT OF RADIATION SAFETY OFFICER PROGRAM  
RECORDKEEPING  
PRINCIPLES OF RADIATION  
CONTROLS FOR SAFE USE OF RADIATION  
RADIATION MEASUREMENT & INSTRUMENTS  
PERIODIC INSPECTION & WIPE TEST PROCEDURES  
U.S. NUCLEAR REGULATORY COMMISSION RULES AND REGULATIONS

Any questions regarding the scope or content of this training class can be addressed to Donald C. Stephens, Radiation Safety Officer, Process Automation Business, Inc.

  
Donald C. Stephens  
Radiation Safety Officer



A PBS series sponsored  
by Combustion Engineering

Process Automation Business  
Combustion Engineering, Inc.

650 Ackerman Road  
Post Office Box 02650  
Columbus, Ohio 43202-1502

Tel: (614) 261-2000  
Fax: (614) 261-2172  
Telex: 246675



## CERTIFICATE

This is to certify that

**ALAN L. HILLIARD**

completed a course of instruction in Radiological Servicing and Safety Officer training on February 10 and 11, 1993, at ABB Process Automation Inc., Columbus, Ohio.

This training course consisted of sixteen hours of lecture and demonstration covering the following subjects:

RISK VS BENEFIT  
FUNDAMENTALS OF RADIATION SAFETY  
ESTABLISHMENT OF RADIATION SAFETY OFFICER PROGRAM  
RECORDKEEPING  
PRINCIPLES OF RADIATION  
CONTROLS FOR SAFE USE OF RADIATION  
RADIATION MEASUREMENT & INSTRUMENTS  
PERIODIC INSPECTION & WIPE TEST PROCEDURES  
RADIATION SAFETY FEATURES ON ACCURAY DEVICE MODEL  
U-3, U-3C, U-6, U-6C, M-3D  
REGULATIONS OF THE STATE OF WEST VIRGINIA

Any questions regarding the scope or content of this training class can be addressed to Donald C. Stephens, Corporate Radiation Safety Officer, ABB Process Automation Inc.

Donald C. Stephens  
Corporate Radiation Safety Officer

ABB Process Automation Inc.



Isotopen Meßsysteme  
Bachstraße 78  
Postfach 18 53 6  
4300 Essen 18 (Kettwig)  
Telefon (0 20 54) 50 82  
Telex 08 579 157

## C E R T I F I C A T E

Following Persons attended and successfully completed the IMS  
Radiological Protection Training Course at the Factory Isotopen  
Messsysteme GmbH, Bachstrasse 76, Postfach 185365, 4300 Essen 18  
(Kettwig), W.Germany from the 20th January, 1986 to 1st February.

Bill Quesenbury  
John Swanik  
Alan Hilliard  
Paul Pieper

The following Topics were covered:

1. Fundamentals of ionising Radiation
2. Radiation Detection Principles
3. Radiation Biology
4. Radiation Safety Guidelines
5. Sources of Radiation
6. Radiation Dosimetry
7. Radiation Protection
8. Radiation Control Regulations

4300 Essen, 07.04.1986



Isotopen-Meßsysteme GmbH  
Bachstraße 78  
Tel. (0 20 54) 50 82 u. 83  
4300 Essen 18 (Kettwig)

*[Handwritten signature]*