

**ULTRA  
TECHNOLOGY  
INCORPORATED**

RECEIVED  
NRC

1985 SEP -9 AM 11:09

3836 Brighton Drive N.W.  
Calgary, Alberta, Canada  
T2L 1G8

403-289-4507

REGION VIRE

September, 1985

Docket No. 030-20969  
License No. 50-23363-01  
Control No. ~~100001~~

United States Nuclear  
Regulatory Commission  
Suite 210  
1450 Maria Lane  
Walnut Creek, California  
94596

Attn: Mr. R. D. Thomas, Chief  
Nuclear Materials Safety Section

Gentlemen:

Re: Requested Amendments to License No. 50-23363-01

Further to your letter of August 7, 1985 we are providing the additional information requested.

The attached material contains two copies of revised pages to the Ultra Technology Inc. Safety Manual (Revision 1). The revisions are marked with side bars. It was necessary to modify our organizational structure slightly in complying with your requirements; a new chart is included for insertion in your copies of our Operations Manual. Replacement Index pages are included also because of an error. The first six pages of Attachment-E are to be replaced. Attachment-H is to be replaced entirely.

We now believe that Page 4 paragraph a) of Attachment-E now meets your requirements (paragraph 1. of your August 7 letter) which states that Bruce Servin, my Senior Radiographer on site, or myself will conduct the Ultra Technology Training Program. The F. L. Clifford was approved in our original license application and Hutchinson Area Vocational Institute training course and instructors were approved in Amendment 2 of our License (paragraph 12).

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Page 4 paragraph b) has been modified to state specifically that training in Company Operating and Emergency procedures will be conducted by Bruce Servin or myself. The recognition of part of the Anchorage Community College Weld-263 course has been withdrawn from paragraph c).

Attachment-H, page 5 has been revised and introduces 'Deputies to the Senior Radiographers'. With the addition of this position to our management structure this page creates a control structure which should assure NRC that experienced people are in control of the radiography operation but allows management to replace either individual for whatever reason timely. Further, we are undertaking to make replacements with individuals who are adequately trained, have the proper attitude and have a minimum of one years experience with sources. Pages 7 and 8 follow through and appoint the individuals with resumes or other data following.

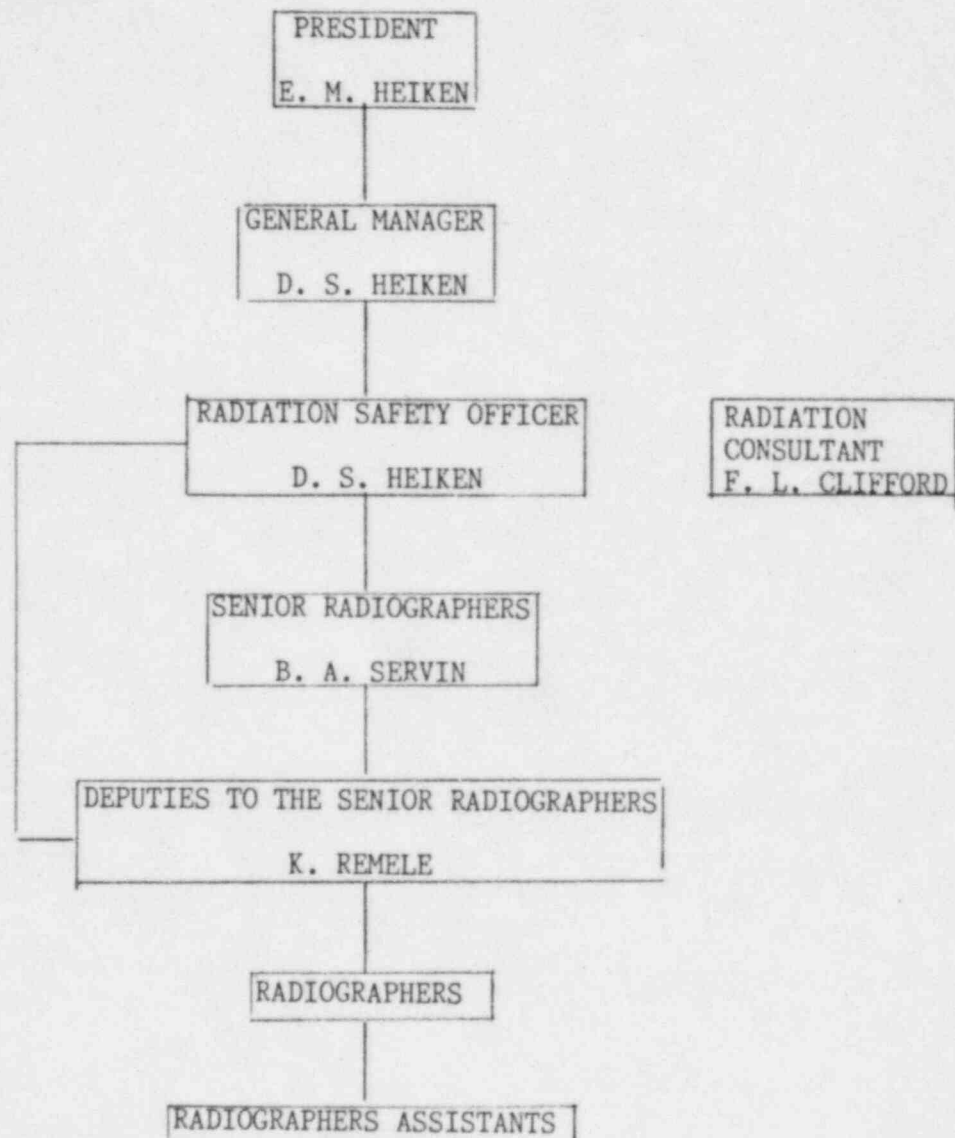
Yours very truly,

*Donald S. Heiken*

Ultra Technology Inc.  
Donald S. Heiken  
Radiation Safety Officer

# ULTRA TECHNOLOGY INCORPORATED

## ORGANIZATIONAL STRUCTURE



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# ULTRA TECHNOLOGY INCORPORATED

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ATTACHMENT E  
TRAINING PROGRAM

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# ULTRA TECHNOLOGY INCORPORATED

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TRAINING OUTLINE OF THE  
ULTRA TECHNOLOGY INC.  
TRAINING PROGRAM (40 hours)

<u>TOPIC</u>	<u>Instruction Time</u>
1. Basic Mathematics	2 hours
2. Atomic Structure	2 hours
3. Radioactivity	2 hours
4. Characteristics of Radiation	2 hour
5. Unit of Radiation	2 hours
6. Absorption of Ionizing Radiation	2 hours
7. Effects on the Human Body	1 hour
8. Shielding Methods for Gamma Radiation	2 hours
9. Radiation Safety Standards	2 hours
10. Survey Instruments	2 hours
11. Personnel Monitoring Instruments	2 hours
12. Safety Requirements for Industrial Isotope Radiography	2 hours
13. Emergency Procedures - point by point instruction in the Company Safety Manual	10 hours
14. Records and Reports	6 hours



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# ULTRA TECHNOLOGY INCORPORATED

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## TRAINING OUTLINE - OPERATING & EMERGENCY PROCEDURE AND USE OF COMPANY EQUIPMENT

A.	Operating and Emergency Procedures: Sections One through Six	4 hours
B.	Radiation Detection Equipment	1 hour
C.	Exposure Devices	1 hour
D.	Shipping Containers	1 hour
E.	Personnel Monitoring Equipment	1 hour



# ULTRA TECHNOLOGY INCORPORATED

## A. Initial Training

- a) Initial Training will be conducted by the Radiation Protection Officer, Mr. D. S. Heiken or the Senior Radiographer, Mr. B. Servin, in accordance with the Ultra Technology Inc. training program (see Section H for instructors resumes).

Initial training may be conducted by F. L. Clifford in accordance with the F. L. Clifford training program on file with N.R.C.

Initial training may be conducted by instructors of the Hutchinson Area Vocational Institute (Hutchinson, Minn.) in accordance with the Hutchinson Area Vocational Institutes Radiation Safety Training Program on file with N.R.C.

- b) Following the above training, personnel will be given an additional 8 hours training in all aspects of the Company Operating and Emergency Procedure and utilizing the Company equipment. This training will be give by the Radiation Safety Officer, Mr. D. S. Heiken or the Senior Radiographer, Mr. B. Servin. Instruction will cover daily documentation (Daily Dosimeter Readings, Daily Equipment Inspection Report, Source Utilization Log etc.), determination of satisfactory survey meter operation and proper usage, setting of Radiation Area boundaries, and emergency procedures defined in Chapter 5.

Personnel will be required to demonstrate a thorough understanding of the Operating and Emergency Procedures and also demonstrate competency in the use of Company equipment. This will be determined by the administration of tests similar to the two final examinations contained on pages E - 8 through E - 17 of this procedure. Additionally an "on the job" evaluation will be conducted of the items contained on page E - 7 of this procedure. Personnel successfully completing this phase of training will be designated "Radiographers Assistants" by the Radiation Protection Officer. The Training Outline for this phase of the training is contained on page E - 3.

- c) Training courses meeting the requirements of the Nuclear Regulatory Commission, previously approved by the Commission, on file with the Commission and equivalent in content may be substituted for the Ultra Technology Inc. Training Program of Paragraph (a). Two approved courses are the F. L. Clifford and the Hutchinson Area Vocational Institute courses cited above. The specific training, paragraph (b) above, will be required regardless of the source of Initial Training.

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# ULTRA TECHNOLOGY INCORPORATED

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- d) In the case of previously qualified personnel who have been trained in accordance with 10 CFR, 34, have at least 6 months experience and qualified as a "Radiographer" by another licensee, the initial training requirements of a) may be waived provided compliance with the conditions of (e) below are established.
- e) All individuals, irrespective of the source of initial training, will be trained in accordance with b) above and will be required to attain a passing grade on all examinations. Personnel who do not attain passing grades will be required to attend the entire initial training program.

## B. On-The-Job Training

- a) Personnel designated as "Radiographers Assistants" will be required to have on-the-job training under the direct supervision of a "Radiographer" who has agreed in writing to act as the "Trainee Supervisor" for a named "Radiographers Assistant".
  - 1. New Trainees: At least three months training during which time at least 80 radiographic exposures will be conducted by the trainee.
  - 2. Previously Qualified Personnel: At least 16 hours training during which time at least 16 radiographic exposures will be conducted.
- b) At the completion of on-the-job training, each individual will be evaluated by the Trainee Supervisor and the Radiation Safety Officer. This evaluation will be conducted by observing the trainee's operation for at least 8 hours. During this phase, the trainee will be orally examined in questions similar to those on pages E - 5 through E - 8. Additionally, the trainee will be "on-the-job" evaluated in the items contained on Page E - 4 of this procedure.

Persons who, in the opinion of the Radiation Safety Officer, are thoroughly knowledgeable of the equipment operation, radiation safety, and Operating and Emergency Procedures will be designated as "Radiographers" by the Radiation Safety Officer.

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## C. Retraining

- a) Periodic retraining will be conducted at least every 12 months or whenever changes in the radiography program are made.
- b) Retraining will provide instructions in such subjects as amendments to regulations, changes in equipment, operating procedure revisions and review of subjects contained in the basic training program. Retraining will be conducted by the Radiation Safety Officer or his designate.

## D. Records

- a) Records of all training will be maintained on file for inspection.

## E. General

- a) A passing grade of 75 is required on written and oral examinations.
- b) All examinations are reviewed with the trainee with particular emphasis on questions missed.
- c) Trainees failing to achieve a grade of 75 on any examination will be given another examination within 15 days. Personnel receiving a passing grade will be allowed to continue in the program but personnel receiving a failing grade will be dropped from the program.
- d) The tests attached to this procedure are samples of those that will be administered during this training program. Tests will be changed at least every six months so as not to reduce the effectiveness of the test procedure.

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# ULTRA TECHNOLOGY INCORPORATED

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## ATTACHMENT H

### RESUME AND DUTIES OF RADIATION SAFETY OFFICER

### APPOINTMENT OF SENIOR RADIOGRAPHERS AND DEPUTIES TO SENIOR RADIOGRAPHERS

### RESUME AND DUTIES OF SENIOR RADIOGRAPHERS AND DEPUTIES TO SENIOR RADIOGRAPHERS

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## DUTIES OF THE RADIATION SAFETY OFFICER

1. Maintain control of procurement and disposal of licensed by-product material.
2. Develop and submit up-to-date operating and emergency procedures. Ensure compliance.
3. Maintain the personnel monitoring program.
4. Maintain adequate radiation survey instruments.
5. Maintain adequate storage facilities.
6. Ensure maintenance of exposure devices and associated equipment.
7. Conduct the source leak test program.
8. Maintain the local internal inspection program
9. Conduct quarterly inventories and assure maintenance of the Utilization Logs.
10. Coordinate the radiation survey instrument calibration program.
11. Ensure maintenance of the required records.
12. Assume control and institute corrective action in emergency situations.
13. Investigate incidents and recommend necessary preventative and corrective action.
14. Act in an advisory capacity to radiography personnel.

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# ULTRA TECHNOLOGY INCORPORATED

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## RESUME RADIATION SAFETY OFFICER

### EXPERIENCE

1983 to present

Ultra Technology Inc.  
3836 Brighton Drive N. W.

Manager, responsible for establishing the Company and its business client base, control systems and licensing.

8/78 - 11/82

Hardy Associates (1978) Ltd.  
2915 - 21 Street N. E.  
Calgary, Alberta

Manager, Metallurgical Division

Responsible for all NDT and Engineering services provided by the Calgary laboratory. In addition, functioned as instructor training NDT technicians. Administered radiation control program and provided safety instruction to employees. Acted as Radiation Safety Officer under the United States Nuclear Commission Radioactive Materials License held by the Company.

0/72 - 8/78

Self employed consultant

Audited radiographs on behalf of clients. Acted as visiting instructor for Radiation Safety portion of NDT courses provided by the Southern Alberta Institute of Technology.

2/61 - 6/72

Manager, Calgary Division  
North American Inspection Services Ltd.

Responsible for all NDT services provided by employers. Trained technicians in NDT techniques and radiation safety.

6/55 - 2/61

International Radiography and Inspection Services Ltd.  
Edmonton, Alberta

Performed the duties of a senior radiographer, using up to 300 kv x-ray, 50 curies of Iridium 192 and 150 curies of Cobalt 60. Supervised several radiography crews on routine radiography projects. Provided on-the-job safety instruction to junior employees as was the custom of the time.

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2/54 - 6/55

Isotope Products of Canada Ltd.  
Edmonton, Alberta

Performed radiographers duties on pipelines, industrial process plants, etc. using up to 150 kv x-ray machines and Iridium 192.

6/52 - 2/54

Industrial X-ray Inc.  
Seattle, Washington

Performed duties on a radiographer on pipelines using x-ray machines.



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# ULTRA TECHNOLOGY INCORPORATED

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## 1. SENIOR RADIOGRAPHERS and DEPUTIES to the SENIOR RADIOGRAPHERS

- a. Because the Company does not maintain a permanent radiographic facility but carries out radiographic operations at field sites only; the large distances between the Radiation Safety Officers' office and the site make daily personal supervision impossible. Those responsibilities of the Radiation Safety Officer, described following as Duties of Senior Radiographers and Deputies, are delegated to the Senior Radiographer and the Deputy to the Senior Radiographer who are responsible for all Company radiographic activities at a field site.
- b. The Radiation Safety Officer will appoint a Senior Radiographer for each field site and will appoint a Deputy to the Senior Radiographer who will be responsible for radiography operations in the absence of the Senior Radiographer.
- c. The appointee to each position will have served one year working with radioactive material with this or another licensee. (A qualified individual whose experience was obtained with another Licensee will be given the Ultra Technology training program and examinations prior to assuming either of these positions). Such appointments will be in the form of a letter to each individual describing their duties. Copies of each appointment letter, including resumes, certifications or other materials required to support the appointment will be forwarded to the Area Office of the Nuclear Regulatory Commission having jurisdiction. A copy of each appointment letter and supporting documentation will be incorporated into and become a part of Attachment H of this Operations Manual. Upon reassignment or termination of the appointee, letters of appointment and documentation will be removed from the Operations Manual.
- d. Upon reassignment or termination of an appointee, the Radiation Safety Officer will appoint another individual to the position who by experience training and attitude meets the aforementioned requirements and forward a copy of the appointment letter with supporting documents to the Area Office of the Nuclear Commission having jurisdiction.

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# ULTRA TECHNOLOGY INCORPORATED

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## DUTIES OF SENIOR RADIOGRAPHERS AND DEPUTIES

1. The Senior Radiographer is the custodian for all licensed by-product materials held by the Company at a specific field site and as such is delegated responsibility by the Radiation Safety Officer for the following:
  - a) Receiving new, high activity by-product material and returning low activity material to the supplier.
  - b) Carrying out the surveys and reporting procedures required in Section I of the manual.
  - c) Maintaining the daily records of dosimeter readings, source utilization reports, daily equipment inspection reports etc. as required by various paragraphs in this manual.
  - d) Ensuring that only calibrated survey instruments and dosimeters are used on the job site.
  - e) Ensuring that the radiation levels at the surface of vehicles carrying or used for storage of by-product materials do not exceed the limits specified in this manual.
  - f) Assuming control of instituting corrective action on behalf of the Radiation Safety Officer in emergency situations.
  - g) On behalf of the Radiation Safety Officer, ensure compliance with the procedures described in this manual.
2. The Radiation Safety Officer will appoint a Deputy to the Senior Radiographer who has had a minimum of one years experience as Radiographer and has used radioactive sources for a period of one year, to act on behalf during brief absences from the field site. The appointment of a "Deputy" will be contingent upon approval of the Radiation Safety Officer and will be an individual who in the judgement of the Radiation Safety Officer and the Senior Radiographer is qualified by experience, training and attitude to act in this capacity. In the absence of the Senior Radiographer, the appointed "Deputy" will be responsible to the Radiation Safety Officer for all the items listed in 1.a) through g) above.

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# ULTRA TECHNOLOGY INCORPORATED

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September 3, 1985

Mr. Bruce Servin  
Pouch 340122  
Prudhoe Bay, Alaska  
99734

Dear Mr. Servin:

I am herewith confirming your appointment as the Senior Radiographer for the Companies Prudhoe Bay radiographic operations.

The Senior Radiographer is the custodian of all licensed by-product materials held by the Company at the Prudhoe Bay site and as such you will assume the following responsibilities:

- a) Receiving new, high activity by-product material and returning low activity material to the supplier.
- b) Carrying out the surveys and reporting procedures required in Section I of the manual.
- c) Maintaining the daily records of dosimeter readings, source utilization reports, daily equipment inspection reports etc. as required by various paragraphs in this manual.
- d) Ensuring that only calibrated survey instruments and dosimeters are used on the job site.
- e) Ensuring that the radiation levels at the surface of vehicles carrying or used for storage of by-product materials do not exceed the limits specified in this manual.
- f) Assuming control of instituting corrective action on behalf of the Radiation Safety Officer in emergency situations.
- g) On behalf of the Radiation Safety Officer, ensure all other Company employees comply with the procedures described in this manual.

Yours very truly,

*Donald S. Heiken*  
Donald S. Heiken  
Radiation Safety Officer

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# ULTRA TECHNOLOGY INCORPORATED

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September 3, 1985

Mr. Keenan Remele,  
Pouch# 340122  
Prudhoe Bay, Alaska  
99734

Dear Mr. Remele

I am herewith confirming your appointment as Deputy to the Senior Radiographer for the Companies Prudhoe Bay radiography operations. You will be custodian of all radioactive materials held by the company at this site and assume full control of and responsibility for the following at such times the Senior Radiographer is absent on Rest & Recreation leave.

- a) Receiving new, high activity by-product material and returning low activity material to the supplier.
- b) Carrying out the surveys and reporting procedures required in Section I of the manual.
- c) Maintaining the daily records of dosimeter readings, source utilization reports, daily equipment inspection reports etc. as required by various paragraphs in this manual.
- d) Ensuring that only calibrated survey instruments and dosimeters are used on the job site.
- e) Ensuring that the radiation levels at the surface of vehicles carrying or used for storage of by-product materials do not exceed the limits specified in this manual.
- f) Assuming control of instituting corrective action on behalf of the Radiation Safety Officer in emergency situations.
- g) On behalf of the Radiation Safety Officer, ensure all other Company employees comply with the procedures described in this manual.

Yours very truly,

*Donald S. Heiken*

Donald S. Heiken  
Radiation Safety Officer

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PERSONAL DATA SHEET

Name: Bruce Anthony Servin

Address: 280 West Davies Street, Eldridge, Iowa 52748

Telephone: (319) 285-8445

PERSONAL:

Born: November 21, 1949

Height: 5'10"

Weight: 160 pounds

Health: Good

Marital Status: Married fifteen years, two children

Military Status: Served two years active duty in the United States Naval Reserve, from September 15, 1968 until September 3, 1970

EDUCATION:

Hutchinson Public High School, Hutchinson, Minnesota; 1963-1967

Hutchinson Area Vocational Technical Institute, Hutchinson, Minnesota. Special Emphasis is placed on Radiation Theory and Radiation. A two year course in Non-Destructive Testing; included, Ultrasonics, Magnetic Particle, Liquid Penetrant, Eddy Current, and Metallurgy. Additional courses included, Technical Mathematics, Basic Welding, Physics, and Management and Industrial Relations. 89% average, 1975-1977.

Curriculum:

Basic Radiography (X-ray) NDT Theory	60 hours	
Basic Radiography (X-ray) NDT Lab	90 hours	
Advanced Radiography (Isotope) NDT Theory	60 hours	330 Total Hours
Advanced Radiography (Isotope) NDT Lab	120 hours	

Metals Engineering Institute. Successfully completed correspondence courses in the following:

Fundamentals of Ferrous Metallurgy, September 27, 1979

Fundamentals of Heat Treatment, March 4, 1980

Welding Inspection and Quality Control, August 1, 1980

American Welding Society. Participated in a one week seminar on Welding Inspection, August 15, 1983

American Welding Society, Certified Welding Inspector. Successfully meet the requirements of the AWS Standard for Qualification and Certification of Welding Inspectors, QCI-83 and Certified by examination on November 12, 1983

WORK EXPERIENCE:

Allied Structural Steel Company, Clinton, Iowa

January 1983 to March 1984, Quality Assurance Supervisor. Supervise three Dimensional and two Non-Destructive Testing Inspectors. Perform Ultrasonic examinations of weldments. Schedule and coordinate Radiographic Inspection activities. Review and interpret radiographic film. Review Inspection Reports. Schedule and/or perform equipment calibrations.



Caterpillar Tractor Company, Davenport, Iowa

February 1979 to May 1979, Metallurgical Engineering.  
Development of new equipment operational procedures, including  
a 400 K Tensile Machine and Portable Spectrometer.

June 1979 to January 1980, Quality Assurance. Monitor and  
evaluate the results of machine tool capability studies using  
6 sigma analysis.

February 1980 to May 1981, Quality Assurance. Review blue  
prints and work orders to determine and procure necessary  
electronic or manual gaging for use by Inspection and  
Manufacturing departments. Write Inspection Procedures for  
the use of this equipment and indoctrinate personnel on the  
use of the equipment.

June 1981 to June 1982, Quality Assurance. Conduct Quality  
Audits to determine Plant conformance to the various  
Manufacturing Practices. Results of these audits were reported  
to the Department Managers and the Plant Manager.

Pittsburgh-Des Moines Steel Company, Des Moines, Iowa

June 1977 to February 1979, Quality Assurance. Non-Destructive  
Testing Specialist for the Central Division. Development of  
inspection procedures, techniques, and methods for Non-  
Destructive Testing. Central Division Radiation Safety  
Officer, procure equipment and supplies for the Quality  
Assurance Department. Train and Certify Quality Assurance  
Inspectors.

While employed by Pittsburgh-Des Moines Steel Company, I  
served on the Governor's Advisory Committee on Radiation  
Safety, and was certified Level III in Radiography, Ultra-  
sonics, Magnetic Particle, and Liquid Penetrant Testing in  
accordance with the requirements of the American Society for  
Non-Destructive Testing, SNT-TC-1A.

Minnesota Mining and Manufacturing Company, Hutchinson, Minnesota  
September 1970 to August 1975, Production Department. Worked  
as a Supplyman, Assistant Slitter Operator, and as a Slitter  
Operator.

REFERENCES:

Mr. Phillip Bruno  
Metallurgical Engineering  
Supervisor  
Caterpillar Tractor Company  
Davenport, Iowa

Mr. Russel Fritz  
Quality Assurance Supervisor  
Caterpillar Tractor Company  
Davenport, Iowa

# NONDESTRUCTIVE TESTING TECHNOLOGY

Minimum percent for Comp.—Indicates minimum percentage required to achieve the competency.  
 Actual percent for Comp.—The actual percentage student achieved.  
 \* (Asterisk)—Indicates student has achieved competency with instructor's approval and has met all requirements as set forth by the Hutchinson Area Voc. Tech. Institute, program advisory committee and the Minnesota State Department of Education. Faculty indicates a competency requiring skill and performance evaluations.

URS	COMPETENCY LISTING	MINIMUM % FOR COMP.	ACTUAL % FOR COMP.	Hours	COMPETENCY LISTING	MINIMUM % FOR COMP.	ACTUAL % FOR COMP.	COMPETENCY LISTING	MINIMUM % FOR COMP.	ACTUAL % FOR COMP.
60	Basic NDT Theory Concepts.....	80	92	30	Advanced Magnetic Particle— NDT Theory.....	80	93	Each student has passed Level II Exams as stipulated in SNT—TC—1A in the following areas:		
90	Basic NDT Lab Concepts.....	80	85	15	Advanced Magnetic Particle— NDT Lab.....	80	87	Radiography.....	80	86
30	Basic Magnetic Particle—NDT Theory.....	80	93	30	Advanced Liquid Penetrant— NDT Theory.....	80	85	Ultrasonics.....	80	80
30	Basic Magnetic Particle—NDT Lab.....	80	89	15	Advanced Liquid Penetrant— NDT Lab.....	80	93	Magnetic Particle.....	80	90
30	Basic Liquid Penetrant—NDT Theory.....	80	84	60	Eddy Current—NDT Theory.....	80	84	Liquid Penetrant.....	80	92
30	Basic Liquid Penetrant—NDT Lab.....	80	94	120	Eddy Current—NDT Lab.....	80	92	Eddy Current.....	80	90
60	Basic Radiography (X-Ray) NDT Theory.....	80	92	60	Advanced Ultrasonics—NDT Theory.....	80	85			
90	Basic Radiography (X-Ray) NDT Lab.....	80	86	120	Advanced Ultrasonics—NDT Lab.....	80	93			
60	Basic Ultrasonics—NDT Theory..	80	88	60	Advanced Radiography (Iso- tope) NDT Theory.....	80	91			
90	Basic Ultrasonics—NDT Lab.....	80	94	120	Advanced Radiography (Iso- tope) NDT Lab.....	80	89			
60	Basic Welding Theory.....	80	85	60	Physical Metallurgy.....	80	86			
80	Basic Welding Skills.....	80	87	60	Codes, Specifications and Procedure Writing.....	80	91			
60	Process Metallurgy.....	80	84	60	On—Site NDT Applications.....	80	93			
60	Introduction to Manufacturing Processes.....	80	84	30	National ASNT Conference.....	80	100			
20	Technical Mathematics.....	80	91	60	Physics.....	80	80			
60	Blueprint Interpretation.....	80	80	60	Metallographic Inspection.....	80	91			
	Each student has passed a Level I General Exam as stipulated in SNT—TC—1A in the following areas:			60	Mechanical Metallurgy.....	80	94			
	Radiography.....	80	89	60	Quality Control and Automated NDT Systems.....	80	88			
	Ultrasonics.....	80	92	30	Management and Industrial Relations.....	80	94			
	Magnetic Particle.....	80	97		First Aid.....	80	100			
	Liquid Penetrant.....	80	89							
	Eddy Current.....	80	85							

Revision 1 H - 8 of 10

7084



# Hutchinson Area Vocational Technical Institute

Certifies That

BRUCE ANTHONY SERVIN

has satisfactorily completed the prescribed course of study in

NONDESTRUCTIVE TESTING

as approved by the State Board of Vocational Education  
and in recognition thereof is awarded this

## Degree

of Occupational Proficiency

with all its rights and privileges in witness whereof our signatures are hereunto affixed

Given at Hutchinson, Minnesota this 12th day of November 19 79

E. Dale Liskland  
Superintendent

W. J. M. M. M. M.  
Director, Vocational Technical



Don H. Whit  
Chairman, Board of Education

David W. B. B.  
Clerk, Board of Education

## STUDENT PROGRESS REPORT

1977 to 1978

Dependability

Attitude

Work Organization



Hutchinson Area Vocational Technical Institute

200 Century Avenue

Hutchinson, Minn. 55350

Student Advisor: Jerry Notch

Student Servin, Bruce Anthony

Program Nondestructive Testing

Date  
Comp. Recd.

5-27-77

Date  
Degree Recd.

11-12-79

Student Permanent Address 345 Adams, Hutchinson, MN 55350

Specialties

Parents Name Floyd Servin

Specialties

Parents Permanent Address Highland St., Hutchinson, MN 55350

Specialties

Home Telephone No. 612-896-4961

Specialties

## PROGRAM PERFORMANCE REPORT

In the advisor's opinion, this student's general rating is stated below:

	Excellent	Satisfactory	Needs Improvement
Quality of Work	X		
Speed in Performance	X		
Dependability	X		
Attitude	X		
Work Organization & Habits	X		
Personal Appearance	X		
Can Work with Others	X		
Follows Instructions	X		
Demonstrates Leadership Ability	X		
Accepts Criticism	X		
Safety Habits (When Applicable)	X		

## ATTENDANCE RECORD

QUARTER	1	2	3	4	5	6	2nd Year Total
Days Present	60.67	60.33	53				166.67
Days Absent	.33	2.67	0				5.33
Times Tardy	0	0	0				5

## ACTIVITIES AND HONORS

## COMMENTS

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Personal Resume  
Keenan E. Remele  
Palmer, Alaska  
996456

#### EDUCATION

Clifton-Fine Central School Star Lake, New York	College preparatory courses Graduated 1970
Community College of the Finger Lakes Canandigua, New York	A.A.S.- Humanities Graduated 1973
Community College of Anchorage Anchorage, Alaska	A.A.S.- Welding Technology Graduated 1983
American Welding Society	Quality Control Inspector Certificate 83050422 Aug.1983

#### EMPLOYMENT EXPERIENCE

Sept. 1983 to present

Ultra Technology Inc.  
3836 Brighton Drive N. W.  
Calgary, Alberta

##### Position:

Radiographer/Interpreter  
Ultrasonic Technician

##### Duties:

Radiography. Administrative duties as  
shift supervisor. X-ray film  
development/qualification/interpretation  
Field repair of equipment

June 1983 to Sept. 1983

Hardy Associates Inc.  
Anchorage, Alaska

##### Position:

Ultrasonic Technician

##### Duties:

ASNT Level 1 Ultrasonic inspections

June 1981 to June 1982

Demming and Associates  
Anchorage, Alaska

Position:

Surveyor's Assistant & Draftsman

Duties:

Assisted id aspects of surveying, drafting of plot plans, maps, field note taking and filing, repair of equipment and vehicles

June 1979 to Oct. 1980

Alaska Mill and Feed  
Anchorage, Alaska

Position:

Mill Operator/Shift Foreman

Duties:

Making of assorted animal feeds. Assisted inu the building and start upof the fertilizer plant. Made assorted fertilizers. Shift foreman for swing-shift. Handled all paper workfor shipping and receiving of bulk orders.

June 1978 to Sept. 1979

Northern Automotive Parts  
& Machine

Position:

Assistant Automotive Machinist

May 1973 to April 1978

United States Air Force

Position:

Jet Engine Technician

Duties:

NCOIC-Small gas engines and turbine duties. Administrative and supervisory duties as the Non-Commissioned Officer in charge of this section. Honorable discharge at the rank of Sargent.

June 1968 to May 1973

Various jobs in various parts of the contin-  
ental United States.

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