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40-Hour Radiation Safety for Industrial Radiography Training Course



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This 4 day, 40-hour vocational, certificate course is intended to provide the Student with an understanding of basic radiation safety, radiation theory, the applicable parts of Federal and State regulations, health and safety protection problems associated with radiation exposures, as the safe and correct use of industrial radiographic exposure devices (X-ray and gamma). Students are also instructed on the use of Inverse Square Law and Time (Dose) formulas and applicable HAZMAT Awareness. Actual case studies of radiological emergencies will be discussed as required for this course. This radiation safety and protection course prepares Students to employ as radiography trainees, assistants, health and safety personnel, quality control inspectors, or any personnel involved in projects where radiographic inspection is performed. The course also prepares individuals for the IRRSP and/or other State Radiation Safety examinations, a process of becoming a Certified Radiographer for the Industrial Radiography industry. After successful completion of course, student is presented a certification of completion. No previous experience is needed to take this course; and no prerequisite NDT course is required to take this course.



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Introduction

Course Introduction: Introduction



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Charles Lowe

- Owner.
- President.

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Charles Lowe

- Father of 4 children.
- Graduate of Henryetta High School (OK).
- A.A., BS Finance, MBA.
- ASNT Member.

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Charles Lowe

- Former IUOE Local 112 Member and Manager.
- RT, PT, MT, UT Level III.
- ARSO.
- RSO and T&R Official.

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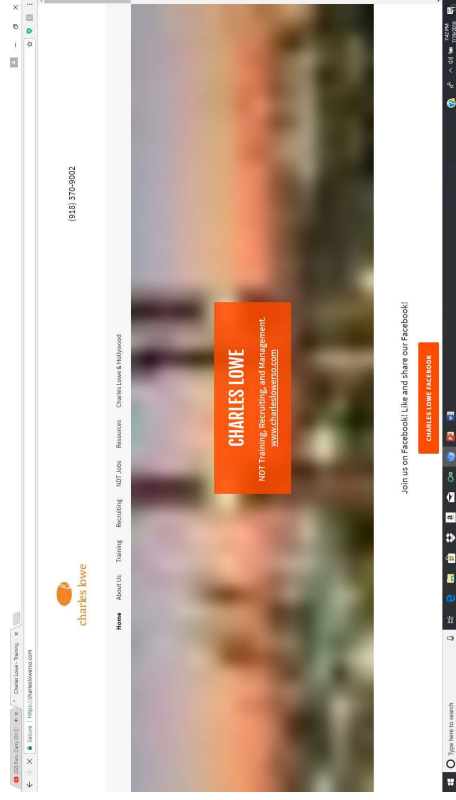


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Charles Lowe

- Building connections:
 - NDT Training Schools
 - NDT Companies
 - Qualified NDT Candidates
- People desiring to enter the NDT industry

Course Introduction: Introduction



- **Our website!**
- **www.charleslowerso.com**
- **Training!**
- **Workforce Connection!**
- **Management / Consulting!**

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Training!

- Radiation safety training!
- Advanced courses!
- Affiliation with training schools!

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Workforce Connection!

- Game changing platform!
- Charles Lowe Workforce Connection!
- Each company and qualified candidate will participate.

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Management / Consulting!

- Shaw, AUT Specialists, Prime NDT, UT Quality!
- UT Quality RSO and Radiographic Testing!
- Consulting NDT companies.

Course Introduction: Introduction

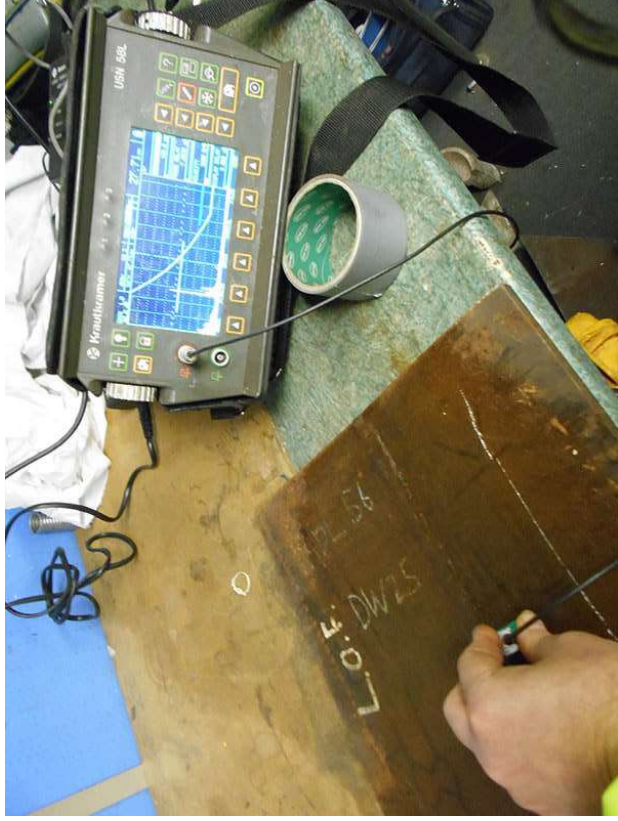


Hello
my name is

Hello

- Name
- Where are you from and previous employment?
- Why do you expect to gain from this course?

Course Introduction: Introduction



Industry Terms to Know

- NDT – Non Destructive Testing.
- RT – Radiographic Testing.
- PT – Penetrant Testing
- MT – Magnetic Particle Testing.
- UT – Ultrasonic Testing.

Course Introduction: Introduction



Industry Terms to Know

- ASNT – American Society for Non Destructive Testing.
- US NRC
- “SNT-TC-1A”
- “State card”
- “Source or pill”
- “Shooting welds”

Course Introduction: Introduction



Industry Terms to Know

- R.A.M. – Radioactive materials.

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Before we get started

- This course qualifies you to be a Radiographer Trainee.
- Also known as a Radiographer Assistant.
- Also known as a Helper.



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How to find NDT work

- Charles Lowe NDT Workforce Connection Program.
- Charles Lowe FB group.
- Direct referral by Charles Lowe.



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How to locate NDT work

- Charles Lowe Master NDT Company List (visit website and seek “NDT jobs” link.
- Charles Lowe Master Email Address List (found in our FB group).



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Your Resume

- **Objective: Seeking an Assistant Radiographer Position and advance in accordance to SNT-TC-1A.**

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Your Resume

- **Certificates: Attended Charles Lowe 40 Hour Radiation Safety Training (enter date of certificate).**

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How to talk to Hiring Manager

- Introduce yourself (brief).
- Why you called or visited.
- Your training.
- How to obtain a Certified Radiographer Card.
- How you will advance.
- Close the discussion.



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Union and Non-Union Work

- Union jobs.
- Non-Union jobs.
- Permanent work.
- Call-out work.
- Contract work.
- Duration.
- Pay.

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Politics 101

- You are the Assistant.
- Your boss is the Level 2 Technician.
- Do as instructed.

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Introduction: Introduction: Quiz 1 of 6

Quiz 1 of 6:

Why is the purpose of taking this course?

The US NRC and Agreement States require you to attend and meet qualifications in a formal training session in order for you to qualify as an Radiographer Trainee.

Introduction: Introduction: Quiz 2 of 6

Quiz 2 of 6:

Of the 4 methods of inspection discussed, which method requires you to qualify as an Radiographer Trainee?

Radiographic Testing (RT)

Introduction: Introduction: Quiz 3 of 6

Quiz 3 of 6:

Upon hire, what is your title?

**Assistant Radiographer... Radiographer
Assistant... Radiographer Trainee... Trainee**

Introduction: Introduction: Quiz 4 of 6

Quiz 4 of 6:

What's the purpose of the US Nuclear Regulatory Commission?

To create and enforce regulations pertaining to entities using, storing, and transporting radioactive materials.

Introduction: Introduction: Quiz 5 of 6

Quiz 5 of 6:

What's Charles Lowe's phone number and website address?

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www.charleslowerso.com

Introduction: Introduction: Quiz 6 of 6

Quiz 6 of 6:

Why is it important to continue your radiation safety studies after this course?

Upon hire, you will take a company radiation safety exam. You will also eventually take a Certified Radiographer exam. Importantly, you may be working with RAM and X-ray machines.



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End of Introduction