

Quality NDT Training Institute

NDT TRAINING & CERTIFICATION COURSE - RADIOGRAPHY TESTING

OVERVIEW

The course is intended to provide through grounding in the principle of Radiographic Testing-RT and fundamentals of material and process such that the trainee would be able to

- a. Identify suitability of RT for the material and inspection technique
- b. Develop techniques and procedures that can be followed by a Level I operator
- c. Analyze the test result and document the same
- d. Be familiar with codes, standards and specifications for RT to evaluate results of the tests
- e. Be conversant with all statutory and safety norms of the authorities under jurisdiction

COURSE CONTENTS

Level I course outline

1. Nuclear Physics-Interaction of Radiation with Matter,
2. Shielding, Radiation Detectors, Biological Effects,
3. Radiation Protection, Basic Rules & Techniques,
4. Sources of Radiation and their characteristics,
5. Film Radiography,
6. Film Processing,
7. Inspection Techniques and Procedures,
8. Sensitivity & Definition, I.Q.I's, Other Accessories,
9. Types of Discontinuities.

RT Level 1 Practical Training

Radiography of Castings and welds using X-ray and Gamma ray

Level II course outline

Review of Level I Course

1. Non-conventional Radiography,
2. Techniques in radiography,
3. Codes, standards and Procedures,
4. Acceptance Standards,
5. Manufacturing processes and discontinuities,
6. Interpretation of Radiographs.

RT Level 2 Practical Training

Same as for level 1 course + interpretation, Radiographs, recording of test results and preparation of test reports

FOR MORE INFORMATION

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