



The NDT Training Course Outline

Method: **Magnetic Particle Testing (MT) & Liquid Penetrant Testing (PT)**

NDT Level: **II**

Reference Document: **ASNT-SNT-TC-1A:2020 Edition**

Total Hours: **MT 20 Hours; PT 12 Hours. Time: 8.00 am. to 5 pm.**

Place: **Futuresign Factory**

Day	Description
1 st Day	ASNT-RP SNT-TC-1A:2020 Edition, MT General, PT General
2 nd Day	MT Code/Standards, ASME V:2021 Edition, Article 1, GENERAL REQUIREMENTS Article 7, MAGNETIC PARTICLE EXAMINATION ASTM E 709-15, Standard Guide for Magnetic Particle Testing. MT Acceptance Criteria, ASME VIII Div.1:2021 Edition, Rules for Construction of Pressure Vessels. AWS D1.1/D1.1M:2020 Edition, Structural Welding Code – Steel AWS D14.1/D14.1M, Specification for Welding industrial and Mill Cranes and Others Materials Handling Equipment.
3 rd Day	PT Codes/Standards, ASME V:2021 Edition, Article 6, LIQUID PENETRANT EXAMINATION. ASTM E165-18, Standard Practice for Liquid Penetrant Testing for General Industry. PT Acceptance Criteria, ASME VIII Div.1:2021 Edition, Rules for Construction of Pressure Vessels.

	ASME B31.3:2020 Edition, Process Piping. AWS D1.1/D1.1M:2020 Edition, Structural Welding Code - Steel
4 th Day	MT PT Practical in accordance with MT PT procedures and Code/Standards, In both Visible and Fluorescent MT AC Yoke, Permanent Magnet Yoke using Visible Wet, Fluorescent and Dry Particle on welded specimens. PT both visible and fluorescent dye
5 th Day	MT PT Examination -General -Specification -Practical

Instructor/Examiner: Mr. Udom Meephaungpol

ASNT NDT Level III #126603 (VT, **MT, PT**, RT, UT)

AWS CWI with code endorsement-AWS D1.1, ASME IX,
ASME VIII, B31.1, B31.3

REC

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