



Richard Barnes

Metal Technician/ASNT Level II

Education

High School Diploma, 2004
Westlake High School
Waldorf, Maryland

Year Joined AMPHION

2019

Years of Experience

Since 2014

Certifications

NDT Level II:
Magnetic Particle
Liquid Penetrant
Ultrasonic Thickness

Mr. Richard Barnes is an ASNT Level II Metal Technician with experience in Magnetic Particle Testing (MT), Liquid Penetrant Testing (PT), and Ultrasonic Testing (UT). Mr. Barnes has been a nondestructive testing (NDT) technician with AMPHION ANALYTICAL ENGINEERING, P.A. since 2019. He has gained NDT experience in the nuclear and pipe fabrication industries since 2014.

Mr. Barnes is certified in accordance with AMPHION's Personnel Qualification Procedure, which meets or exceeds American Society for Nondestructive Testing (ASNT) SNT-TC-1A, "Personnel Qualification and Certification in Nondestructive Testing" requirements. The written procedure utilized was AMPHION's Standard Operating Procedure (SOP), which is in accordance with American Society of Mechanical Engineers (ASME), "Boiler and Pressure Vessel Code, Section V, Nondestructive Examination" requirements.

Mechanical Integrity

Pressure Vessels, Storage Tanks, Process Vessels, and Piping

Performed mechanical integrity inspections on storage tanks, process vessels, pressure vessels, other mechanical equipment, and piping at numerous facilities covering a wide range of industries. The industries covered include, but are not limited to, the tire and rubber industry, various chemical production industries, and paper industry. These inspections utilized various nondestructive testing (NDT) methods.

Inspections were performed under various codes and references, such as the American Petroleum Institute (API), American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, and The National Board Inspection Code (NBIC). Work also included quality assurance inspections on behalf of clients during weld repair of pressure and process vessels.

Quality Assurance

Mr. Barnes has performed technical document review and oversight of work performed in accordance with ASME Boiler and Pressure Vessel Code Section I and Section III, ASME B31.1 and B31.3, as well as AWS D1.1, D1.3, D1.4, and D1.6.