William Hughes

Certified Welding Inspector

AWS Certified Welding Inspector with 9 years in structural steel and pressure piping, including 5 as a CWI on refinery and commercial building projects. Inspects to AWS D1.1, ASME Section IX and B31.3, reviews WPS and welder qualifications, and runs special inspections with clear documentation and strong communication skills with contractors and engineers.

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EXPERIENCE

Certified Welding Inspector

04/2021 - Present

Bayou City Inspection Group — Houston, TX

Third-party inspector on refinery turnarounds and steel building projects in the Houston area.

- Perform visual weld inspection on about **400** welds a week to AWS D1.1 and ASME B31.3.
- Review 60+ WPS, PQR and welder qualification records a year against ASME Section IX before work starts.
- Run special inspections on 14 commercial steel buildings, issuing daily reports to the engineer of record.
- Qualified 85 welders in 2025 by witnessing FCAW and SMAW bend tests.

Welder and QC Inspector

06/2017 - 03/2021

Channelview Steel Fabricators — Channelview, TX

Structural and pipe welder at a fabrication shop, moved into QC inspection in 2019.

- Welded structural steel and process pipe with FCAW, SMAW and GTAW on 30+ shop projects.
- Performed fit-up and visual weld checks on about 150 welds a week after joining QC.
- Verified ASTM material test reports against purchase orders for 200 heat numbers a year.
- Maintained weld maps and inspection documentation for client turnover packages on 12 jobs.

CERTIFICATES

AWS Certified Welding Inspector (CWI)

03/2021

American Welding Society

OSHA 30-Hour Construction

08/2022

OSHA Outreach Training Program

SKILLS

AWS D1.1

ASME Section IX

ASTM

Visual Weld Inspection

WPS

FCAW

Special Inspections

Documentation

Microsoft Office

Communication Skills

EDUCATION

Associate of Applied Science

05/2017

San Jacinto College

Pasadena, TX

Welding Technology