Alps Welding Limited

400 NEW HUNTINGTON RD., VAUGHAN, ONT. L4H 0R4 TEL: (905) 850-2780 FAX: (416) 969-8290

Quality Control Inspector – Job Description

Reports to: Quality Assurance Manager

Company Overview: We are a project-based capital equipment and pressure vessel manufacturing company specializing in custom fabrication to precise customer specifications. Our expertise includes welding, drilling, milling various steels and alloys, and assembling components in compliance with ASME code standards. We seek a detail-oriented and proactive QC Inspector to join our team and support our materials, operations, and production teams in reducing quality-related waste while enhancing on-time delivery.

Key Responsibilities:

- Develop, implement, and oversee Alps Manufacturing Quality Assurance program to ensure products meet established standards and specifications.
- Conduct regular inspections and tests on materials, processes, and finished products to identify and address quality issues.
- Ensure the material control at the material receiving stage for each purchase order with respect to the material specification, quantities, Material Test Certificate, Material Traceability Report, Certificate of Compliance, and Client Specifications.
- Accountable for releasing materials for Fabrication, Sub-Contracting fabrication or machine work, or Inventory, and for rejecting wrong, defective and out of tolerance limit materials.
- Ensure compliance with industry regulations, quality standards, and safety protocols.
- Maintain accurate records of quality tests, inspections, and corrective actions taken.
- Assist in the development and implementation of measures to enhance operational efficiency and quality.
- Collect and analyze data to support quality assurance programs.
- Use statistical methods to identify trends, patterns, and areas for improvement in product quality.
- Communicate effectively with cross-functional teams to address quality-related issues and implement improvements.
- Actively participate in the identification of opportunities for process improvement.
- Propose and implement changes to enhance product quality, reduce defects, and optimize manufacturing processes.
- Investigate and address customer complaints or internal quality issues promptly and effectively.
- Ensure adherence to health and safety guidelines and contribute to the development and implementation of safety plans.
- Participate in safety training programs and promote a culture of safety within the manufacturing environment.

Alps Welding Limited

400 NEW HUNTINGTON RD., VAUGHAN, ONT. L4H 0R4 TEL: (905) 850-2780 FAX: (416) 969-8290

Core Competencies:

- **Knowledge of Codes & Standards:** Strong understanding of **ASME Section VIII, Division 1**, Section IX (welding qualifications), and applicable NBIC/API standards.
- **Quality Assurance/Control:** Ability to interpret, apply, and enforce QC programs in compliance with ASME U-Stamp, R-Stamp, and other regulatory requirements.
- **Technical Inspection Skills:** Proficiency in visual inspection, dimensional checks, fit-up, weld inspection, and verifying NDE reports.
- **Documentation & Recordkeeping:** Skilled in preparing and reviewing quality records (traveler sheets, material test reports, calibration records, weld maps, etc.) for compliance.
- **Attention to Detail & Accuracy:** High level of precision in identifying defects, ensuring traceability, and verifying conformance to drawings/specifications.
- **Communication & Collaboration:** Effective interaction with shop floor personnel, welders, supervisors, engineers, and external inspectors (AIAs, clients).
- **Problem-Solving:** Ability to resolve quality issues in a constructive manner and support continuous improvement.

Required Skills and Qualifications:

- Prior experience as a QC Inspector in a fabrication or pressure vessel shop.
- Strong knowledge of ASME Boiler & Pressure Vessel Code requirements.
- Ability to read and interpret engineering drawings, weld symbols, and material specifications.
- Familiarity with NDE methods (RT, MT, PT, UT) and acceptance criteria.
- Proficiency with measurement tools (calipers, micrometers, height gauges, etc.).
- Competency in welding procedure and welder performance qualification review.
- Strong organizational and documentation skills.

Work Environment:

- Primarily shop floor-based, with some office tasks.
- Occasional overtime to meet project deadlines.
- Exposure to a manufacturing environment.
- Regular interaction with shop-floor production staff, as well as third-party inspectors and NDE subcontractors.

If interested in this position, please email hiring@alpswelding.com, with “QC Inspector” in the subject line.