

QC Welding Inspector

Position Description

Department: Quality Assurance	FLSA Status: Non-Exempt
Reports to: Quality Control Supervisor	Date: 11-15-17

Primary Function:

Perform visual inspections to verify conformance to specified requirements and document inspections, including ASME and AWS. Perform testing and inspection of products at various stages of production process in compliance with applicable codes and standards. Compiles and evaluates statistical data to determine and maintain quality and reliability of products.

Essential Duties and Responsibilities:

- Interpret drawings and other documents.
- Verify that the base materials and consumable welding materials conform to the specifications and that the welding filler metals used are as specified for each base material or combination of base materials.
- Verify that the welding equipment to be used for the work is appropriate for the use with the welding procedure and has the capability to meet the applicable requirements of the welding procedure.
- Verify that the welding procedures are as specified and are qualified, and that the welding performed is performed in conformance to the applicable procedure.
- Witness performance and testing of procedure qualification tests, or supervise these activities when performed by outside agencies.
- Verify documentation of procedure qualification test results.
- Verify that welders, welding operators, and tack welders have been qualified in conformance to the applicable standards, and that they're qualified to use the welding procedures specified for the work.
- Witness testing of the welder test assemblies and/or welding operator qualification test assemblies, or supervise these activities when performed by outside agencies.
- Verify documentation of performance qualification test results.
- Provide notification when evidence the welder's or welding operator's work does not conform to the requirements of the applicable standard.
- Provide notification when the welder's or welding operator's qualification is not current.
- Perform other job related duties as assigned to meet business plan objectives.
- Inspects materials and products for conformance to specifications using fixed or preset measuring instruments.
- Ensures materials and products are in accordance with established tolerance levels for quality and performance.
- Perform visual inspection of welded item for conformance to American Welding Society and American Society of Mechanical Engineers standards.

Promote and actively embrace the concept of a collaborative environment, with an emphasis on customer service, respect and candor. Safety is a cultural value and it must be promoted and enforced at all times.

Minimum Qualifications/Experience:

- High school diploma or general education degree (GED); Minimum of 5 (five) years' experience in an occupational function that has a direct relationship to welded assemblies fabricated to national or international standards and be directly involved in one or more of the following: Design, production, construction, examination, or repair. Knowledge of dimensional inspectional.
- Previous certification to the American Society of Nondestructive Testing, Visual Testing, Level II and additional nondestructive certification a plus.

Additional skills

Shall be familiar with SMAW, SAW, GTAW, FCAW, GMAW welding processes

Shall be familiar with VT, UT, RT, MT, and PT testing processes and dimensional inspection utilizing calipers and micrometers.

Other Qualifications

The physical demands and work environment described here are representative of the conditions that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical Demands

While performing the duties of this Job, the employee is occasionally required to stand; use hands to finger, handle, or feel; reach with hands and arms and talk and hear. The employee is occasionally required to walk; sit; climb or balance and stoop, kneel, crouch, or crawl. The employee must regularly lift and/or move up to 10 pounds, frequently lift and/or move up to 25 pounds, and occasionally lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision, color vision, depth perception and ability to adjust focus.

Work Environment

While performing the duties of this Job, the employee is frequently exposed to moving mechanical parts. The employee is occasionally exposed to high, precarious places; fumes or airborne particles; risk of electrical shock and vibration. The noise level in the work environment is usually loud.