



## NDT FPI Technician II (Advanced) – 2<sup>nd</sup> Shift Job Description

**MPP#:****Manager:** Quality Leader**Pay Family:** Hourly, Non-exempt**Department:** Quality - NDT**Shift:** 2

### Job Summary:

Conducts Liquid Penetrant Testing and other Non-Destructive Testing (NDT) using specific techniques on aerospace products. Uses knowledge of products, manufacturing processes, equipment set-up, and NDT methods to process parts for inspection following specific operating procedures. Interprets and evaluates test results.

Employee will train on 1<sup>st</sup> shift and then transfer to 2<sup>nd</sup> shift.

Shifts: 1<sup>st</sup> shift, Mon-Thurs, 6:00 am – 4:30 pm; 2<sup>nd</sup> Shift, Mon-Thurs, 4:30 pm – 3:00 am.

### Duties and Responsibilities:

- Review routers, procedures, specifications, drawings and other instructions for completeness and instructions to perform operation
- Process part(s) in accordance with procedures and technical instructions to evaluate for welding, machining, cold forming, and/or casting discontinuities exceeding requirements specified
- Set-up, operate, calibrate, and perform Process Control Checks on NDT (Liquid Penetrant Test) equipment by following established instructions and record results
- Interpret, evaluate, and report evaluation results as required and outlined
- Fill out required logs and statistical data sheets as required
- Clean equipment and ensures it is working properly, and clean and maintain work area as needed
- May perform other NDT as qualified for and as required (visual, hydro, x-ray, etc.)
- Maintain required job skills and knowledge of requirements (including procedures, specifications, etc.)
- Maintain work area, equipment, and all documents/records to be audit ready at all times
- Provide On-the-Job Training (OJT) to Level I NDT Inspectors, trainees and fellow Level II NDT Inspectors
- Assist the Level III in developing specific test techniques

This job description is not meant to be an all-inclusive statement for every duty and responsibility that will ever be required of an employee in the job.



- Performs the above and other assigned duties in a safe, quality focused manner

### **Qualifications / Requirements:**

- Currently or previously certified to NDT Level II in Liquid Penetrant Testing in accordance with NAS-410
- Must have documented hours for Training & Experience per NAS-410 Level II Liquid penetrant:
  - Minimum 32 Hrs classroom training
  - Minimum 400 Hrs experience
- Minimum 18 months of continuous manufacturing experience as a certified Level II in Liquid Penetrant Testing. (For external hires, experience with Fluorescent Penetrant Inspection or FPI in the aerospace industry is strongly preferred.)
- Ability to work on all lines and products independently and provide guidance to team members on all parts and processes within the Penetrant Test Department. (Internal personnel only, external hires would be expected to meet this requirement within 2 months of hire.)
- Utilizes other qualifications or certifications within the department as required by business needs:
  - Hydro / Pneumatic pressure testing certification
  - Swab Etch Certification
  - Experience in the interpretation of flaws in castings, machined parts, formed tubing, welds and braze joints
  - X-ray Level I / Trainee
  - MRB Disposition Authority
- Able to read and interpret blueprint and engineering drawings and be able to document non-conformances as required
- Able to utilize measuring devices including comparators, micrometers, scales, light meters and calipers
- Demonstrates performance appropriate to an advanced position
- Successfully pass vision screen
- Ability to speak, read and write English

### **Desired Characteristics:**

- No active disciplinary actions (internal personnel only)
- Excellent safety, attendance and punctuality history
- Makes decisions based on experience and available data
- History of meeting or exceeding job requirements

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- History of accepting and giving constructive criticism
- Flexible in changing priorities
- Produces error free products and accurately completes paperwork
- History of working effectively with co-workers, managers, and other employees in a team environment
- Willingness to cross train in other NDT methods
- Available to work extended or flexible schedule on short notice
- Able to work under general direction with minimal supervision

**Work Environment:**

- May be exposed to noise, dust, fumes, airborne particles, smoke (Not over OSHA Permissible Exposure Levels).
- Safety training and equipment are provided by MPP in accordance with applicable law, industry standards and company policy.
- Will be required to wear PPE applicable to the test method being used.
- Able and willing to stand 90% of the time, stooping, bending, stretching, and engaging in awkward positioning

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