

Ivaco Rolling Mills, a major steel manufacturer in the Eastern Ontario region (L'Orignal, ON), is seeking a **Metallurgical Technologist** to fill a vacancy in the Quality Assurance department.

Primary Function:

Review and approve wire rod for releases o customers based on evaluation of own test results, tests from other QA department and other production data. Maintain coil inventory, coordinate priorities with ISR, production (WO), rod inspection and shipping.

Assist QA Engineers in various studies, which involves conducting metallurgical studies for customer complaints, reviewing quality reports, recommending, and documenting corrective actions, etc.

Qualifications for the Job:

- Bachelor's Degree in Metallurgical Engineering / Material Science or Metallurgical Technologist with 10 years of relevant experience in Metallurgical field
- Computer skills, primary Excel, Word, access database, spreadsheet
- In-depth knowledge or Rod Mill process

Material, Equipment and/or Product:

Office equipment such as main and personal computer, database software, office software and equipment. Laboratory equipment such as mounting press, automatic grinder, automatic polisher, cut-off grinder, microscopes, camera and image analyzer, electric box furnace, acid bath, hardness tester, micrometer, reference manuals, etc. Yard equipment such as abrasive cutter, manual/hydraulic cutter, electrical generator and truck.

Specific Duties and Responsibilities:

- 1.** Coordinates and establishes priorities for timely releases among Metallurgical Laboratory, Rod Inspection and Chemistry Laboratory activities, retrims (production) and ISR.
- 2.** Enters production data and rejects; verifies data against customer and/or internal specifications; approves material for shipment according to past practice and guidelines, places nonconforming material on hold.

- 3.** Verifies and maintains evidence that produce has passes appropriate inspection and test at all stages of manufacture (retrims and coil counts) before release.
- 4.** Detects mixed steel, ensure that suspected mixed steel is properly investigated to eliminate incidents received by customers and to classify source of mixed steel to facilitate continual improvement.
- 5.** Ensures tensile, chemical, metallographic, and other special tests are completed and conforming to release requirements.
- 6.** Cuts, mounts, grinds, and polishes metallurgical samples.
- 7.** Performs metallurgical analysis of samples and enters results in database; performs defect analysis to assist production with online trouble shooting.
- 8.** Collects forklift inventory reports, enter reconciles and corrects yard output vs. production output.
- 9.** Maintains and updates computerized inventory of rods including returns in L'Original, processors and consigned.
- 10.** Deals with inventory and quality issues such as damaged coils, coil identification, re-tagging, missing coils, downgrade, packaging.
- 11.** Prepares diversion and prime surplus inventory reports for allocation and analysis.
- 12.** Processes yard inventory and quality issues such as damages coils, coil identification, re-tagging, missing coils, downgrades, poor packaging.
- 13.** Within guidelines, reclassifies heats/orders which do not conform to chemical, mechanical or structural properties.
- 14.** Performs other metallographic tasks such as etching billet samples.
- 15.** Maintains metallographic laboratory equipment and fixtures.
- 16.** Updates Quality Assurance files on yard rejects and returned goods.
- 17.** Performs and coordinates raw rod inventory audit.
- 18.** Receives and disposes of returned coils from customers.

19. Upon request, under the guidance of the Metallurgical Engineer/Supervisor Met. Services, investigate root cause of defects in the product failed in the field; prepares detailed metallurgical analyses of non-routine customer complaints and certain investigative and/or analytical reports requested by the customer.

20. Upon request, under the guidance of the Metallurgical Engineer/Supervisor Met. Services, communicate customer complaint details with involving departments and recommend/document corrective actions.

21. Upon request, under the guidance of the Metallurgical Engineer/Supervisor Met. Services, conduct other metallurgical/statistical studies for products and processes as required.

22. Upon request, under the guidance of the QC Metallurgist (Melt Shop), reviews Level 2 Quality reports and ensures that non-conforming billets are downgraded/rejected.

23. Updates Quality Assurance files on returned goods; receives and dispose of returned coils.

Plant Conditions:

- Industrial environment (heat, dust, noise, height, etc.)
- Unionized position

Salary:

- Starting at: \$69,191.00/year