

Job Title: Instrument Technician, Ferndale Refinery

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The **Instrument Technician** is responsible for the installation, calibration, troubleshooting, and maintenance of field instruments at Ferndale Refinery. Field instruments include various process transmitters, switches, analyzers, controllers, positioners, automated valves, etc. The majority of the work is outdoors in an industrial environment. The incumbent must possess the fitness and ability to perform the tasks responsibly under normal supervision.

Responsibilities May Include:

- Following all refinery safe practices and procedures
- Performing Job Safety Analysis as required
- Troubleshooting, repairing, calibrating, and performing other maintenance tasks on field instrumentation, including but not limited to, pneumatic and electronic transmitters, switches, controllers, positioners, and automated valves
- Troubleshooting, repairing, calibrating, and performing other maintenance tasks on process analyzers and sample systems, including but not limited to, gas chromatographs, continuous emission monitoring systems, oxygen, conductivity, pH, and tail gas analyzers
- Troubleshooting, repairing, and performing other maintenance tasks on vibration and temperature monitoring systems for rotating equipment
- Configuring, installing, performing loop checks, and commissioning new instrumentation associated with maintenance activities
- Installing instrument tubing and tubing fitting systems per manufacturer's specifications
- Working with operations and process controls team to troubleshoot instruments and signal wiring controlled by distributed controls systems and programmable logic controllers
- Utilizing test equipment, such as multi-meters, temperature and pressure calibrators, communicators, and signal generators
- Researching and retrieving equipment information, refinery equipment files, and communication with vendors
- Reading and interpreting loop drawings, P&IDs, wiring schematics, cause/effects, data sheets, etc
- Using computers and software applications to enter and retrieve data
- Performing diagnostic testing, isolation, terminations, and/or energized work on instrument wiring up to 125V in compliance with the refinery's electrical safety program
- Performing work activities that include pulling, lifting, twisting, working in confined spaces and on elevated platforms requiring fall protection
- Operating mobile equipment

Starting Rate: \$46.58 per hour with 7.5% annual Variable Cash Incentive Program target (see Total Rewards information below)

RELOCATION IS NOT AVAILABLE FOR THIS POSITION

Required Qualifications:

- Legally authorized to work in the job posting country without restrictions
- Must have a high school diploma or GED
- Must have a valid driver's license
- Must be at least 18 years of age
- Willing and able to obtain a Transportation Worker Identification Card (TWIC). Information can be found at <https://www.tsa.gov/for-industry/twic>
- Associates degree in Instrument Technology or graduate from a two-year certificate program in Instrument Technology from an accredited technical school
- Two or more years of experience working as an Instrument Technician in an industrial environment
- Experience with hand tools including multi-meters, communicators, and other test equipment
- Experience with basic shop mathematics and material dimensions including pipe sizes and schedules, alloy material awareness and use
- Able to work independently, using manuals and other information to troubleshoot and improve understanding of equipment
- Able to identify and evaluate problems including approach, possible alternative solutions, and conclusions
- Experience with creating sketches and interpreting P&IDs and other electrical drawings

- Willingness to perform/comply with the following, with or without reasonable accomodation:
 - Work at least an 8-hour shift which may include weekends, nights and holidays
 - Work overtime
 - Work near large, hot, high speed machines
 - Work around chemicals, including acids and bases
 - Work in enclosed spaces, such as tanks and silos
 - Wear fire retardant clothing and personal protective equipment, such as steel-toe shoes, ear and eye protection
 - Maintain your face daily so that a respirator/face mask can seal properly (some examples include being free of facial hair and/or clean shaven)
 - Climb up to 200 feet in height
 - Lift up to 50 pounds
 - Work outside in harsh weather conditions
 - Read at a level to understand written safety procedures, work procedures, work permits, and instruction manual
 - Learn computer software associated with the position, including Microsoft Office

Preferred Qualifications:

- One or more years of experience working in a refinery or petrochemical industry
- Experience working on tank gauging systems, vibration monitoring systems, or analyzers
- Experience with SAP's Maintenance Module or other ERP Maintenance modules
- Knowledge of applicable codes and standards including NEC
- Able to effectively interact with all organizational levels and value inclusion and diversity
- Effective verbal communication with others including providing clear explanations, active listening, and asking questions as appropriate
- Effective written communication skills pertaining to documenting inspection and repair information

The **Ferndale Refinery** is located on Puget Sound in Ferndale, Washington, approximately 20 miles south of the U.S.-Canada border. Facilities include crude distillation, naphtha reforming, fluid catalytic cracking, alkylation and hydrodesulfurization units. It processes a variety crude oils, including Alaskan North Slope, Canadian and other foreign and U.S. shale crudes, primarily delivered via marine vessel and pipeline. Within the refinery is a rail car crude oil receiving facility with a capacity of 30,000 BPD. This offloading facility, owned by Phillips 66 Partners, makes the receipt of additional crude by rail car possible. The refinery produces a high percentage of transportation fuels. Other products include residual fuel oil, which is supplied to the northwest marine bunker fuel market. Most refined products are distributed to customers by pipeline and barge to major markets in the northwestern United States.

Details about this job:

- **Supervisor:** Curtis Curtis Zehnder
- **Location:** US WA Ferndale Refinery
- **Division:** Ferndale Refinery
- **Job Field:** Maintenance
- **Relocation:** US - Not Eligible
- **Job Grade(s):** Non-Graded

To be considered:

In order to be considered for this position you must complete the entire application process, which includes answering all prescreening questions and providing your eSignature on or before the requisition closing date of **March 31, 2022**.

Candidates for regular U.S. positions must be a U.S. citizen or national, or an alien admitted as permanent resident, refugee, asylee or temporary resident under 8 U.S.C. 1160(a) or 1255(a)(1). Individuals with temporary visas such as E, F-1, H-1, H-2, L, B, J, or TN or who need sponsorship for work authorization now or in the future, are not eligible for hire.

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