



## Instrument Technician I

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### **DEFINITION**

Work of this class involves the testing, calibration and repair of all types of electrical consumption meters, instrument transformers and alarm indicating equipment, etc. Work of this class also includes the installation, modification, repair, calibration and maintenance of all types of instruments and related equipment associated with the operation of a Wastewater Treatment Plant. Performs other related duties as required.

### **TYPE OF WORK**

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> Unskilled    | <input checked="" type="checkbox"/> Journeyman |
| <input type="checkbox"/> Semi-skilled | <input type="checkbox"/> Above Journeyman      |
| <input type="checkbox"/> Skilled      |  |

### **TYPICAL DUTIES** \*

In accordance with manufacturers departmental and government standards:

Uses various pieces of test equipment to repair, test, maintain, and calibrate all types of electrical consumption meters. Cleans internal meter parts as required.

Ensures electrical meters operate within accepted variances. Assists government officials in the testing of meter accuracy.

Performs acceptance-testing duties on new meters. Informs supervisor of inaccuracies.

Uses various test equipment and specialized apparatus such as oscilloscope, frequency counter, and multi meter to test, repair, calibrate, and maintain instrument transformers, flow metering equipment, electronic control systems, telemetering systems, pneumatic systems and purge water systems.

Maintains test and measurement equipment by repairing it. Regularly check accuracy of standard equipment used.

Installs, modifies, repairs, calibrates and maintains all types of instrument and alarms associated with the operation of a water treatment plant, and a waste treatment plant including supervisory control and recording devices.

Installs, maintains, repairs and tests instruments and related equipment such as leak detectors, pressure and flow recorders, measuring instruments, etc, in the distribution of water and in lime recovery.

Performs trouble-shooting activities on instruments and related equipment. Diagnoses trouble and replaces faulty parts.

Completes records as required.



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Performs other related duties as required.

### **SUPERVISORY/LEADHAND RESPONSIBILITIES**

May be assigned an apprentice and trades helpers as required.

### **ENVIRONMENTAL AND WORKING CONDITIONS**

Normal shop conditions. Works in close proximity to noisy equipment, chemicals, and in areas where pathogenic organisms may be present.

### **TRAINING AND EXPERIENCE REQUIREMENTS**

#### Job Level

Completion of Grade 12, or an equivalent combination of training and experience

Possession of a Journeyman Instrument Mechanic Certificate.

Possession of a valid Class 5 Alberta Motor Vehicle Operator's License.

#### On-the-Job Training

Continual on-the-job training to keep abreast of advances in the instrumentation industry.

\* *This is a class specification and not an individualized job description. A class specification represents and defines the general character, scope of duties and responsibilities of all positions within a specific job classification. It is not intended to describe nor does it necessarily list the essential job functions for a specific position in a classification. Positions may perform some of the duties listed above but this does not necessarily qualify for placement into this classification.*

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Salary Plan	62M	62D
Job Code	1260	
Grade	023	
Last Updated:	2003-12	
Previous Updates:		
Originated:	1980-08	