

Position: **Benchmark Job #333**

Ministry: Municipal Affairs

Working Title: **Pipeline Inspector**

Branch: Engineering and Inspection

Level: Range 24

Location: Kelowna

NOC Code: 2261

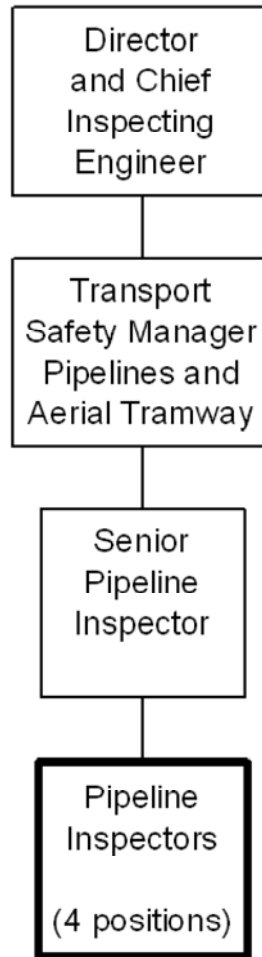
## PRIMARY FUNCTION

To conduct inspections of the construction and operation of pipelines, compressor stations, regulator stations, pumping stations and other facilities and to conduct accident/incident/failure investigations and provide advice to industry and the public.

## JOB DUTIES AND TASKS

1. Performs inspections and regulatory services in accordance with branch policy for new and existing pipelines and pipeline facilities to ensure compliance with the Pipeline Act, regulations and adopted standards
  - a. decides when annual inspections shall occur, determines the start and testing dates for new construction and plans and schedules activities
  - b. reviews applications and technical submissions for new construction or equipment modification to pipelines, compressor stations, regulator stations and pumping stations
  - c. oversees construction to ensure the material standards, physical configuration, assembly and joining, installation and testing of pipe, pipe fittings, facility equipment and instrumentation are in compliance with specifications and standards
  - d. witnesses hydrostatic and pneumatic acceptance tests on new, modified, or reactivated pipelines and pipeline facilities
  - e. audits construction procedures, welding procedures, welder qualifications, non-destructive test results, hydrostatic and pneumatic testing procedures, safety equipment, fire and gas detection equipment, fire fighting equipment and pipeline operation
  - f. prepares formal reports and recommends issuance of permit to operate the pipeline
  - g. reviews the integrity of the pipeline system and operation
  - h. enforces Occupational Health and Safety Standards and corrective measures
  - i. establishes conditions for operating and issues orders to correct violations
  - j. orders out of service any pipeline or pipeline facility when an unsafe condition exists
  - k. reviews equipment innovations and new technology to determine how existing pipeline safety standards apply
2. Conducts accident/incident failure investigations
  - a. collects evidence to ascertain the circumstance, outcome and causes of the incident
  - b. issues directives that establish conditions for continued operation and ensures corrective action is being taken
  - c. provides expert witness testimony at inquests, hearings and other court proceedings
3. Performs other related duties

- a. investigates complaints from the public and submits reports
- b. responds to inquiries from industry and the public
- c. trains inspectors "in training" per Branch requirements



FACTOR	REASON FOR CLASSIFICATION	DEGREE	POINTS
1	<p><b>JOB KNOWLEDGE</b></p> <p>Understand the theory of pipeline engineering to inspect the construction and operation of pipelines, compressor stations, regulator stations, pumping stations and related facilities.</p>	H	280
2	<p><b>MENTAL DEMANDS</b></p> <p>Judgement to modify inspection techniques and approaches to inspect and approve the plans, construction and operation of pipelines and related facilities.</p>	G	200
3	<p><b>INTERPERSONAL COMMUNICATIONS SKILL</b></p> <p>Persuasion required to use basic counselling skills to resolve non-compliance problems with operators, contractors and industry.</p>	D	45
4	<p><b>PHYSICAL COORDINATION AND DEXTERITY</b></p> <p>Significant coordination and dexterity required to perform safety inspections using precision testing instruments.</p>	D	22.5
5	<p><b>RESPONSIBILITY FOR WORK ASSIGNMENTS</b></p> <p>Guided by engineering and trades standards, inspects the construction and operation of pipelines and related facilities and establishes conditions for pipeline operation.</p>	F	160
6	<p><b>RESPONSIBILITY FOR FINANCIAL RESOURCES</b></p> <p>Limited financial responsibility to make purchases from petty cash and use government credit card for vehicle operating and repair costs.</p>	B	10

FACTOR	REASON FOR CLASSIFICATION	DEGREE	POINTS
7	<b>RESPONSIBILITY FOR PHYSICAL ASSETS/INFORMATION</b> Considerable responsibility to inspect the construction and operation of pipelines and related facilities.	E	33
8	<b>RESPONSIBILITY FOR HUMAN RESOURCES</b> Responsibility to provide formal training and instruction to inspectors.	B	9
9	<b>RESPONSIBILITY FOR WELL BEING/SAFETY OF OTHERS</b> Considerable care and attention to inspect pipelines and facilities to ensure compliance with safety codes and standards.	E	40
10	<b>SENSORY EFFORT/MULTIPLE DEMANDS</b> Focused attention to detail to frequently visually and by smell and hearing inspect pipeline and related facilities.	C	12
11	<b>PHYSICAL EFFORT</b> Relatively heavy physical effort to lift and carry moderate weight equipment regularly.	D	18
12	<b>SURROUNDINGS</b> Exposure to overnight travel frequently.	C	6
13	<b>HAZARDS</b> Limited exposure to hazards from regular lifting and carrying of moderate weight equipment.	B	4

Total Points: 839.5

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