

MINES INSPECTOR 1

GENERAL

1. Under the direct supervision of an Engineer or senior inspector, an incumbent is responsible for organizing and implementing surveys of chemical substances and physical agents in the working environment for the purpose of assessing hazards to the occupational health and welfare covered under The Mines Act.

OR

2. Under the direct supervision of an Engineer or senior inspector, an incumbent is responsible for appraising plans for the rehabilitation of mining properties during and following suspension of mining. An incumbent makes recommendations for approval or revision of plans and carries out field studies to assess the requirements for rehabilitation projects which may be undertaken by the department.

OR

3. Under the supervision of the Mining Recorder, an incumbent is responsible for making field inspections of Mineral dispositions with respect to location, staking and other matters relating to tenure.

TYPICAL DUTIES

1. Carries out surveys of atmospheric conditions and noise in specified areas or operations.

Assesses results of surveys regarding safety and health of employees by comparing to applicable standards.

Prepares reports of findings and makes recommendations.

Maintains and calibrates equipment.

Maintains records of environment approvals regarding diesels, mine air heaters, etc.

Performs other duties as assigned.

OR

2. Inspects specified areas and makes assessments of rehabilitation programs both before licensing and after.

Reviews plans of mining areas for compliance with standards.

Performs sampling, takes measurements and prepares quantity estimates and locations.

Prepares reports of findings and makes recommendations.

Assists in the maintenance of records.

Performs other duties as assign

OR

3. Inspects claim blocks for staking in accordance with Mineral Disposition Regulations and to determine that maps submitted show location of posts are topographically correct.

Conducts inspections and investigations with respect to disputes filed, prepares reports and serves as witness when required by Mining Board.

Checks conditions of abandoned mine workings and prepares reports with sketches,

measurements and recommends corrections.

Makes inspections of quarries and sand pits with respect to volumes of material excavated and possible encroachments on adjacent properties.

Prepares reports and maintains records of activities.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

1. Good knowledge of mathematics and mensuration.

Good knowledge of map reading and relating map data to field observations.

Good knowledge of laboratory practices, techniques and testing.

Ability to prepare reports and make recommendations.

OR

2. Good knowledge of mathematics and mensuration.

Good knowledge of all areas of environmental health and ventilation.

Sound working knowledge of sampling techniques and procedures related to the work environment.

Ability to prepare reports and make recommendations.

Skill in the maintenance, calibration and use of testing equipment.

OR

3. Thorough knowledge of Regulations pertaining to the disposition of mineral locations.

Good knowledge of map reading and bush travel.

Ability to prepare reports and make recommendations.

Education, Training and Experience

1. Grade XII education preferably with graduation from a community college in an engineering-related discipline and one to two years' experience related to instrumentation and sampling techniques.
2. Grade XII education with one to two years' related field work in survey, geology, agriculture or earth moving.
3. Grade XII education and familiarity with field and bush travel, maps, claim staking, compass use and the regulations pertaining to the disposition of mining claims.

Physical Standards

Physically capable of performing the duties assigned.

MINES INSPECTOR 2

GENERAL

Under general supervision of an Engineer or senior inspector, an incumbent is responsible for organizing and conducting mine rescue training programs throughout the province. Inspects facilities and instructs personnel so as to coordinate training and ensure a high standard of proficiency in mine rescue is maintained.

TYPICAL DUTIES

Ensures mine rescue facilities meet prescribed standards, are properly maintained and employees are adequately trained.

Co-ordinates training so as to maintain standards throughout the province.

Prepares examinations and presides at standard examinations.

Recommends new courses and/or course changes to keep program current.

Recommends suitable equipment for mine rescue use.

Conducts training courses when instructors not available.

Maintains records on equipment and employees trained.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Extensive knowledge of mine rescue equipment and procedures.

Good knowledge of training procedures.

Ability to train and supervise training of mine rescue crews.

Ability to develop or revise training programs.

Ability to prepare reports and maintain records.

Skill in repair and maintenance of equipment.

Education, Training and Experience

Grade XII education with Mine Rescue Training Certificate and some training in instruction techniques.

Certificate in First Aid instruction required.

Three years' experience in underground work with a thorough knowledge of mine rescue equipment and procedures and preferably some experience in public speaking.

Physical Standards

Physically capable of performing the duties assigned.

MINES INSPECTOR 3

GENERAL

1. Under the general supervision of an Engineer or senior inspector, an incumbent is responsible for the inspection of pit and quarry operations and procedures to ensure the health and safety of employees and to ensure compliance with The Mines Act and Regulations.

OR

2. Under direct supervision of an Engineer or senior inspector, responsible for the inspection of assigned operations and procedures at underground mines, to ensure the health and safety of miners and others employed in or about those operations at mines, smelters and metallurgical works. This level is a recruitment, training and first working level for underground mines inspection.

TYPICAL DUTIES

1. Inspects pits and quarries for compliance with The Mines Act and Regulations for the safety of employees.

Inspects excavations with respect to safety of the public and rehabilitation of mined areas.

Performs investigations and inspections regarding complaints.

Prepares and issues reports ordering the correction of unsafe conditions or situations not in compliance with The Mines Act or Regulations.

Carries out investigations and prepares reports on contravention of The Mines Act and Regulations.

Maintains mineral inventory records and makes recommendations with respect to optimum utilization of mining lands.

Reports on conditions which may lead to ground control problems.

Performs other duties as assigned.

OR

2. Inspects assigned operations and procedures of underground mining operations to ensure safety and health of persons employed and compliance with The Mines Act and Regulations.

Carries out assigned investigations and prepares reports on contravention or serious accidents.

Inspects installed equipment, maintenance and safety procedures.

Reports on mine support for drifts, shafts, chutes and raises which require attention.

Performs other duties as assigned.

Knowledge, Abilities and Skills

1. Thorough knowledge of The Mines Act and Regulations as applied to pits and quarries.

General knowledge of safe operating procedures at pits and quarries.

Ability to establish and maintain effective relations with operators, employees and other government departments.

Ability to organize and schedule inspections and cover all operations within the area of responsibility.

Skill in the observation of relevant conditions.

2. Knowledge of The Mines Act and Regulations.

General knowledge of mining methods and safe operating procedures.

Ability to prepare clear and concise reports.

Skill in the observation of relevant conditions.

Education, Training and Experience

1. Grade XII education and five years in mining or quarrying operations

2. Grade XII education and five years of diversified mining experience.

Physical Standards

Physically capable of performing the duties assigned.

MINES INSPECTOR 4

GENERAL

Under the limited supervision of an Engineer or senior inspector, an incumbent is responsible for the inspection of any and/or all surface and underground mining operations and procedures within an assigned area to ensure the health and safety of miners and other persons employed at mines, smelters and metallurgical works and to ensure compliance with The Mines Act and Regulations.

This level differs from the Mines Inspector 3 level in that the Mines Inspector 3 works under direct supervision, performing inspections of assigned areas of a mine. The Mines Inspector 4 is expected to perform inspections of entire mining operations, under limited supervision.

TYPICAL DUTIES

Conducts routine inspections of all mining operations to ensure the safety and health of all persons and compliance with The Mines Act and Regulations.

Investigates accidents, complaints and contraventions, taking appropriate action by issuance of Notices or court proceedings.

Makes recommendations on the adequacy of safety requirements, ground conditions and installations.

Makes recommendations for new and additional safety measures as deemed necessary.

Maintains mineral inventory records and makes recommendations with respect to optimum utilization of mining lands.

Prepares reports and information for departmental use as required.

Promotes safe working habits and conditions at mines through personal contact with workers and employers.

May supervise junior inspectors.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Thorough knowledge of The Mines Act and Regulations.

Good knowledge of mining methods and safe operating procedures.

Ability to organize and carry out inspections and investigations in the area of responsibility.

Ability to deal effectively with management and employees in matters of safety and conformity to regulations.

Ability to prepare and present evidence for prosecutions.

Ability to prepare clear and concise reports.

Skill in the observation of relevant conditions.

Education, Training and Experience

Grade XII education preferably with graduation from a community college in an engineering-related discipline.

Ten years' broad experience in mining operations with some experience in the area of safety.

Physical Standards

Physically capable of performing the duties assigned.

MINES INSPECTOR 5

GENERAL

1. Under the very limited supervision of a District Engineer, an incumbent is responsible for organizing, directing and conducting all mines inspections within an assigned district. He directs, trains and supervises the work of the junior inspectors in the district.

This is the senior level in the Mines Inspector series and differs from the Mines Inspector level in that the Mines Inspector 5 performs the most complex inspections and directs and supervises the work of Inspectors 3 and 4.

OR

2. Under the limited supervision of an Engineer, an incumbent is responsible for conducting regular inspections of electrical equipment and installations at mining operations to ensure the safety and health of all persons employed.

TYPICAL DUTIES

1. Directs and/or conducts regular inspections of all mining operations in an assigned district.

Ensures all mining operations comply with The Mines Act and Regulations and effects corrective action if necessary.

Directs, trains and supervises junior inspectors in the district.

Assesses safety of equipment and procedures not otherwise covered by The Mines

Act and Regulations and makes recommendations to Engineering staff.

Investigates accidents, complaints and contraventions of the Act and Regulations and follows up with reports and recommendations.

Performs other duties as assigned.

2. Conducts inspections of electrical equipment and installations at mining operations.

Makes recommendations and effects corrective actions.

Examines electrical plans and installations for compliance with The Mines Act and Regulations.

Ensures proper installation and maintenance of electrical equipment and lines.

Conducts specialized tests to ensure the safe operation of equipment.

Represents the branch on committees and boards dealing with the setting of standards.

Performs other duties as assigned.

Knowledge, Abilities and Skills

1. Thorough knowledge of The Mines Act and Regulations.

Sound knowledge of mining methods and safe operating procedures.

Ability to supervise the work of junior inspectors.

Ability to deal effectively with management and employees in matters of safety and conformity to Regulations.

Ability to prepare and present evidence for prosecutions.

Ability to prepare clear and concise reports.

Skill in the observance of relevant conditions.

2. Thorough knowledge of electrical codes, practices and installations.

Thorough knowledge of The Mines Act and Regulations relating to the use of electricity.

Ability to organize and conduct inspections of electrical installations at mines throughout the province.

Ability to deal effectively with management, employees and other agencies in matters pertaining to electricity.

Skill in the use of instruments and testing techniques.

Education, Training and Experience

1. Grade XII education with graduation from a community college in an engineering-related discipline or an Engineering Degree. Five years' experience with an Engineering Degree or ten years of broad experience in mining with some supervisory experience.
2. Grade XII education with a Journeyman Electrician's licence and ten years' broad experience in the electrical field.

Physical Standards

Physically capable of performing the duties assigned.