

ENVIRONMENTAL ENGINEER 1 and 2

GENERAL

An Environmental Engineer 2 is responsible for the initiation and direction of environmental and/or public health investigations. Under general policy direction and with the responsibility for independent action and decisions, the incumbent performs professional engineering functions in his specific field of expertise. Individuals not meeting the requirements relative to training and experience will underfill the position until the necessary requirements are obtained.

The Environmental Engineer 1 classification is a recruitment and training level. Incumbents are not normally promoted to the working level until they have met the qualifications noted below.

TYPICAL DUTIES

Relates directly with local government authorities, other provincial agencies and private organizations on operational matters.

Studies journals and publications and attends technical meetings to become acquainted with new engineering methods, testing and laboratory equipment and evaluation techniques.

Prepares technical environmental reports for presentation at public hearings of the Clean Environment Commission and the Municipal Board.

Participates in program planning.

Implements and maintains surveillance systems.

Evaluates proposals relative to codes, standards and practices for the approval of the Minister.

Supervises subordinates.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Considerable knowledge of the principles and practices of environmental protection.

Working knowledge of the Clean Environment Act, Public Health Act and other related federal and provincial statutes.

Ability to establish and maintain effective relationships with government officials, private industry and public groups.

Ability to communicate effectively through written reports and verbal presentation.

Education, Training and Experience

Bachelor of Science in Engineering with a minimum of two years' related experience and eligibility for registration in the Association of Professional Engineers of the Province of Manitoba.

ENVIRONMENTAL ENGINEER 3

GENERAL

An Environmental Engineer 3 is responsible for delivery of highly technical programs of environmental control. An incumbent supervises a group of Public Health Engineers, scientists, and technologists; or acts as a specialist in a particular field of environmental control. As a specialist the incumbent performs complex professional engineering functions with responsibility for policy recommendations and program co-ordination in his field of expertise. Normally only one specialist will be found in a particular field or phase of engineering. Assignment of "specialist" classification will be recommended by the Department and approved by Management Committee of Cabinet.

TYPICAL DUTIES

Relates directly with local government authorities, other provincial agencies and private organizations on operational matters and interpretation of policy.

Participates in short, medium, and long range planning.

Keeps well informed of the latest technological developments in his field.

Interprets and evaluates data obtained from various engineering and/or research investigations.

Evaluates proposals for the approval of the Minister.

Represents the Department on various national and provincial task forces.

Prepares environmental reports relative to policy and technical matters for presentations at public hearings of the Clean Environment Commission and the Municipal Board.

Provides expert testimony at public hearings and in courts of law.

Recommends policy and program changes.

Supervises subordinates.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Thorough knowledge of the principles and practices of environmental protection and public health.

May be required to have expert knowledge in a specialized field of environmental control.

Ability to co-ordinate several programs simultaneously.

Ability to direct subordinates.

Thorough knowledge of Clean Environment Act, Public Health Act and other related federal and provincial statutes.

Education, Training and Experience

Bachelor of Science in Engineering and several years' related experience.
Registration in the Association of Professional Engineers of the Province of Manitoba.

ENVIRONMENTAL ENGINEER 4

GENERAL

This is a senior professional engineering position whereby the incumbent is responsible for the administration of an environmental control section. The incumbent supervises several groups of environmental engineers, scientists and technologists in the delivery of environmental control groups. He participates in discussions to determine basic operating policies, devises ways of reaching program objectives in an efficient manner and meets unusual conditions affecting work programs.

TYPICAL DUTIES

Relates directly and through subordinates with local government authorities, other provincial agencies and private organizations on operational matters and interpretation of policy.

Participates in short, medium and long range planning.

Keeps well informed of the latest technological developments in his field.

Interprets and evaluates data obtained from various engineering and/or research investigations prepared by subordinates.

Evaluates proposals for the approval of the Minister.

Represents the Department on various national and provincial task forces.

Prepares or reviews environmental reports and assessments relative to policy and technical matters for presentation at public hearings of the Clean Environment Commission and the Municipal Board.

Provides expert testimony at public hearings and in courts of law.

Recommends policy and program changes.

Supervises subordinates.

Prepares budgets, ensures financial control and makes recommendations on modifications to policy.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Thorough knowledge of the principles and practices of environmental protection and public health.

May be required to have expert knowledge in a specialized field of environmental control.

Ability to co-ordinate several programs simultaneously.

Ability to direct subordinates.

Thorough knowledge of Clean Environment Act, Public Health Act and other related federal and provincial statutes.

Education, Training and Experience

Bachelor of Science in Engineering and a minimum of three years' related experience. Post-graduate education in Sanitary Engineering or a related field is desirable. Registration in the Association of Professional Engineers of the Province of Manitoba.