

*Amended Regulations under the Coal-mines Act, 1908.*

JELlicoe, Governor-General.  
ORDER IN COUNCIL.

At the Government Buildings at Wellington, this 16th day of June, 1924.

Present :

THE RIGHT HONOURABLE W. F. MASSEY, P.C., PRESIDING  
IN COUNCIL.

IN pursuance and exercise of the powers conferred on him by the Coal-mines Act, 1908 (hereinafter referred to as "the said Act"), and the amendments thereof, His Excellency the Governor-General of the Dominion of New Zealand, acting by and with the advice and consent of the Executive Council of the said Dominion, doth hereby make the following additional regulations and amendments to the regulations made under the said Act on the twenty-sixth day of June, one thousand nine hundred and fifteen, the eighth day of July, one thousand nine hundred and nineteen, the twelfth day of April, one thousand nine hundred and twenty-one, and the fourteenth day of November, one thousand nine hundred and twenty-three, and gazetted on the first day of July, one thousand nine hundred and fifteen, the seventeenth day of July, one thousand nine hundred and nineteen, the twenty-first day of April, one thousand nine hundred and twenty-one, and the twenty-ninth day of November, one thousand nine hundred and twenty-three, respectively; and doth hereby declare that the additional regulations and amendments to the said regulations hereby made shall be read as part of the principal regulations made on the twenty-sixth day of June, one thousand nine hundred and fifteen, and shall come into force on the date of the gazetting hereof.

#### REGULATIONS.

##### THE BOARD OF EXAMINERS.

REGULATIONS 1 to 16 of the principal regulations and the amendments thereof are hereby revoked, and the following substituted therefor:—

1. At all meetings of the Board of Examiners constituted pursuant to section 25 of the said Act three members shall form a quorum.

2. (1.) Each member of the Board who is not otherwise employed in any Department of the Public Service shall receive by way of travelling-expenses the sum of £1 11s. for each day of twenty-four hours he is absent from his place of abode for the purpose of attending at a meeting of the Board, or for the purpose of conducting underviewers' and firemen-deputies' examinations.

(2.) For any portion of a day he shall receive one-twenty-fourth of the full daily rate for each hour's absence.

(3.) In computing the time of absence a fraction of an hour if less than half an hour shall not be taken into account, but half an hour or more shall be reckoned as one hour.

(4.) He shall also be repaid all reasonable sums properly expended by him for fares by railway, coach, or steamer in travelling for the said purposes.

(5.) Each member of the Board who is not otherwise employed in any Department of the Public Service shall also be paid such fee as the Minister may from time to time authorize for each examination held or for each paper set by him.

##### MINE-MANAGER'S CERTIFICATE.

3. (1.) The Board shall examine, or cause to be examined, on the subjects hereinafter specified, applicants for first-class and second-class certificates as mine-managers.

(2.) The Board may appoint supervisors from time to time to superintend such examinations.

4. (1.) Every application for a certificate as a mine-manager shall be made in writing, under the hand of the applicant, to the Secretary of the Board of Examiners, Mines Department, Wellington.

(2.) Every application for examination for a mine-manager's certificate shall be in Form 6 in the Schedule hereto, and each applicant shall forward with his application a fee of £2 2s. in the case of a first-class certificate, and a fee of £1 1s. in the case of a second-class certificate.

(3.) Every applicant for examination for a mine-manager's certificate shall also forward with his application—

(a.) A certificate that the applicant is not less than twenty-one years of age;

(b.) A certificate or certificates from his previous employers that he has been actually engaged in underground workings in a coal-mine for a period of not less than three years in the case of the holder of a mine-manager's certificate granted after examination under the Mining Act, 1908, and not less than five years in any other case;

(c.) A certificate at date from his employer as to his general conduct and sobriety;

(d.) A medical certificate that his senses of sight and hearing are not defective;

(e.) A first-aid certificate of the St. John Ambulance Association or other body approved by the Board of Examiners, showing that he is fitted to give first aid to persons requiring it.

In exceptional cases an applicant, at the discretion of the Board, may be allowed to sit for the examination, but in no case will a mine-manager's certificate be issued until an approved first-aid certificate is produced:

(f.) He must also be in possession of a gas-testing certificate showing that he is capable of making accurate tests for inflammable gas with a safety-lamp.

5. (1.) The subjects of examination for certificates as coal-mine managers shall be as follows:—

Subject I, Mining: Opening out a colliery, working coal, and timbering; boring (some one form each of hand, calyx, and diamond drills to be described).

Subject II, Mechanics: Pumping-appliances and mine-drainage; tapping water and dam-construction in mines; winding in shafts; hauling on underground planes; compressed-air and steam-power plants; strength of materials; elementary electricity (to include knowledge of fundamental principles; definition and application of electrical units and terms; advantages and disadvantages of direct and alternating current generators and motors; principle of a rotary transformer; principles of insulation; advantages and disadvantages of electrical winding-engines. (A knowledge of wiring and other details of electrical machinery is not required.)

Subject III, Ventilation: Ventilation of mines and knowledge of mine-gases; spontaneous combustion of coal, and methods of dealing with underground fires; rescue apparatus; practical knowledge of gas-testing with a safety-lamp. (The candidate may be required to give a practical demonstration before a person appointed for that purpose.

Subject IV, Arithmetic and Law: Mine accounts; fractions, decimals, percentages, square root, area of rectangle, trapezoid, circle, &c.; measurement of timber; calculation of workable coal in a mine, &c.; a knowledge of the Coal-mines Act, 1908, and amendments thereof and of the general rules, special rules, and regulations made thereunder.

Subject V, Surveying: A knowledge of surveying, and levelling both underground and at the surface; also of mine plans and sections.

Subject VI, General and Applied Geology: Prospecting; origin and mode of formation of coal-seams; faulting, and the recovery of faulted seams; general knowledge of the geology of stratified rocks and more particularly of the New Zealand coal-measures.

(2.) The examination in the above subjects shall be both written and oral, and candidates will require to present themselves for examination at such place (or places) as is (or are) appointed in that regard by the Board of Examiners.

(3.) Every applicant must be able to give drawings to illustrate details connected with any work to be done in or about a coal-mine, and must give all details of calculations, and in matters of opinion must clearly and fully state his reasons for arriving at any given conclusion.

6. (1.) A candidate for a first-class mine-manager's certificate shall be required to pass satisfactorily both a written and an oral examination in Subjects I to VI.

A candidate for a second-class mine-manager's certificate shall be required to pass satisfactorily both a written and an oral examination in Subjects I, II, III, and IV, but he shall not be required to pass in Subjects V and VI.

(2.) First-class mine-manager's certificates by examination shall be in Form 1, and second-class mine-manager's certificates by examination shall be in Form 2 in the Schedule hereto.

(3.) The Board of Examiners may grant or refuse a certificate of competency upon any grounds it deems advisable.

##### UNDERVIEWERS' AND FIREMEN AND DEPUTIES' CERTIFICATES.

7. With respect to the examination for certificates as underviewers and firemen and deputies, the following provisions shall apply:—

(a.) Examinations shall be held at such times and places as are appointed by the Board of Examiners.

(b.) In each district where coal-mining is carried on the Board of Examiners shall consist of one or more members of the Board of Examiners appointed under the said Act or such other person or persons as the Governor-General appoints for the purpose, and an Inspector of Mines.

8. (1.) Every application for a certificate as an underviewer or fireman and deputy shall be made in writing under the hand of the applicant to the Secretary of the Board of Examiners, Mines Department, Wellington.