

## **Plumbers, Gasfitters, and Drainlayers Board (Gasfitting Registration and Licensing) Notice 2016**

Pursuant to sections 28 and 30 of the Plumbers, Gasfitters, and Drainlayers Act 2006 (“Act”), the Plumbers, Gasfitters, and Drainlayers Board (“Board”) designates the following classes of registration for gasfitting and prescribes the following matters relating to gasfitting registration and licensing.

### **Notice**

**1. Title**—This notice is the Plumbers, Gasfitters, and Drainlayers Board (Gasfitting Registration and Licensing) Notice 2016.

**2. Commencement**—This notice comes into force on **6 December 2016**.

**3. Revocation**—This notice revokes the Plumbers, Gasfitters, and Drainlayers Board (Gasfitting Registration and Licensing) Notice 2010 (published in the [New Zealand Gazette, 21 October 2010, No. 143, page 3608](#)).

### **Part A - Certifying gasfitter**

#### **4. Certifying gasfitting**

The Board designates the certifying gasfitter class of gasfitting registration.

#### **5. Authorised work**

A certifying gasfitter who holds a current annual practising licence issued by the Board:

- (a) may carry out gasfitting;
- (b) may supervise gasfitting undertaken by the following people:
  - (i) tradesmen gasfitters;
  - (ii) journeymen gasfitters;
  - (iii) holders of provisional licences to do or assist in doing gasfitting pursuant to section 38 of the Act;
  - (iv) trainee gasfitters who hold limited certificates to do or assist in doing gasfitting pursuant to section 14 of the Act (“Trainee Gasfitters”); and
  - (v) persons doing or assisting in doing gasfitting pursuant to section 19 of the Act (“Exempt Persons”);
- (c) may test gasfitting; and
- (d) must verify gasfitting where verification is required.

#### **6. Minimum standards for registration**

##### *Registration requirements*

(1) To be registered as a certifying gasfitter a person must have:

- (a) held a licence as a licensed or tradesman gasfitter (or registered gasfitter under the Plumbers, Gasfitters, and Drainlayers Act 1976) for an aggregate period of not less than 24 months under the supervision of a certifying gasfitter (or a craftsman gasfitter under the Plumbers, Gasfitters, and Drainlayers Act 1976), and passed the examination specified in paragraph 6(2) below; or
- (b) where applying on the basis of an overseas gasfitting qualification:
  - (i) submitted a completed pre-registration application form to the Board that includes the following documentation:
    - A. an international qualifications assessment report from the New Zealand Qualifications Authority concluding that the applicant’s gasfitting qualification is equivalent to, or greater than level 4 on the National Qualifications Framework;
    - B. unless the applicant has already been granted New Zealand residence, police certificates that are no older than six months from the applicant’s country of citizenship (unless they can provide satisfactory evidence they have never lived there), and from any country the applicant has lived in for 12 months or more (whether in one visit or intermittently) in the last 10 years, that the Board assesses as meeting its fit and proper person requirements; and
    - C. evidence that the applicant has worked full-time in the gasfitting trade for six years or more; and
  - (ii) passed the Board’s gasfitting advanced proficiency assessment (this practical assessment must be undertaken in New Zealand).

##### *Certifying gasfitter competencies*

(2) The examination a person must pass in order to register as a certifying gasfitter is Examination 9196 set by

the Board.

(3) Examination 9196 will be set by the Board so that, in order to pass the examination, the applicant must demonstrate the ability to design, manage the installation of, and verify/certify gasfitting systems through possessing competencies in the areas of:

(a) Trade calculations and trade science used in the design and installation of gasfitting systems. Descriptors include, but are not limited to:

- (i) estimation, measurement, and calculation using management systems;
- (ii) application of formulae;
- (iii) physics laws and their application as they relate to gasfitting;
- (iv) hydraulic principles;
- (v) combustion and ventilation;
- (vi) flame characteristics;
- (vii) flammability limits;
- (viii) gas rating;
- (ix) heat input/output and efficiency calculations;
- (x) expansion and contraction;
- (xi) corrosion;
- (xii) fluing;
- (xiii) pipe size;
- (xiv) fluid flow;
- (xv) pressure; and
- (xvi) volume.

(b) The drawings and specifications for gasfitting. Descriptors include, but are not limited to, the preparation of plans and specifications.

(c) The selection of materials, their properties, applications, and how they are used in the design and specification of gasfitting systems. Descriptors include, but are not limited to:

- (i) compatibility, testing, and commissioning procedures; and
- (ii) alternative materials, approval regimes, and protection of material.

(d) The design, specification and verification/certification of gasfitting installations and system components. Descriptors include, but are not limited to:

- (i) gas supply pipework, service lines, meters, and regulator systems;
- (ii) sizing the appliance to meet the duty required;
- (iii) domestic gas-fired appliances and equipment installations;
- (iv) commercial gas-fired appliances and equipment installations;
- (v) industrial gas-fired appliances and equipment installations;
- (vi) pressure and flow controls; and
- (vii) safety devices.

(e) The ability to access and apply relevant documentation relating to gasfitting to meet compliance requirements, and an understanding of the regulatory environment. Descriptors include, but are not limited to:

- (i) Acts and regulations;
- (ii) standards;
- (iii) codes; and
- (iv) manufacturers' instructions.

(f) Management of the effect on the integrity of structures relating to the design and installation of gasfitting systems, including weather tightness considerations as they relate to penetrations to the building envelope and coordination with other services. Descriptors include, but are not limited to:

- (i) preservation of structural integrity;
- (ii) prevention of damage to property including weather tightness; and

(iii) positioning and protection of services along with the coordination with other building services.

(g) Responsibilities relating to managing health and safety. Descriptors include, but are not limited to, health and safety systems, and the preparation of safety plans.

(h) Responsibilities relating to the supervision of persons who do, or assist in doing, gasfitting.

*Transitional provisions*

(4) Any person who, at 4 July 2013, had passed Examination 9196 but has not passed the certifying common Examination 9194 that a person was required to pass from 1 April 2010 to 3 July 2013 is required to successfully complete one or more competence programmes focused on assessing the competencies previously covered in Examination 9194, as directed by the Registrar, before that person will be considered to meet the minimum standards for registration as a certifying gasfitter.

(5) Any person who, at 4 July 2013, has passed Examination 9194, that a person was required to pass from 1 April 2010 to 3 July 2013, but not Examination 9196, is required to pass Examination 9196 before that person will be considered to meet the minimum standards for registration as a certifying gasfitter.

**7. Terms and conditions of registration**

(1) A certifying gasfitter must pay any monies owing to the Board as they become due, subject to any exceptions agreed to by the Board.

(2) A certifying gasfitter must provide the Board with all information required for the public register.

**8. Terms and conditions of licence**

*Continuing professional development*

(1) For the purposes of paragraph (2) below:

**Approved continuing professional development course** means a course of training of up to six hours duration on continuing professional development topics as set out on the Board's website and delivered by an approved provider either in person or online.

**Approved provider** means a provider approved by the Board to deliver an approved continuing professional development course and notified on the Board's website.

(2) To be eligible to renew their annual practising licence, all certifying gasfitters applying to renew their licence for the licensing years beginning on 1 April 2017 and beyond must satisfy the Registrar that they have completed any approved continuing professional development course that has been notified as applying in the 12 month period prior to renewal.

*Authorisation card*

(3) All certifying gasfitters that hold a current annual practising licence are issued with an authorisation card by the Board.

(4) At all times when undertaking gasfitting, a certifying gasfitter must be able to produce their authorisation card on demand.

*Supervision*

(5) A certifying gasfitter must pay the prescribed fee for, and notify the Board of the name, address and telephone number of, every Exempt Person working under their supervision.

(6) A certifying gasfitter must notify the Board in writing if their supervision of any person ceases.

(7) A certifying gasfitter remains responsible for all gasfitting undertaken by a person under their supervision until the Board has received written notification from them that they are no longer supervising that person.

(8) A certifying gasfitter must ensure that gasfitting undertaken by persons under their supervision:

(a) is performed competently;

(b) is subject to appropriate safety measures; and

(c) complies with the requirements of all relevant regulations, including regulations made under the Gas Act 1992.

(9) A certifying gasfitter must ensure that all persons under their supervision:

(a) are competent to perform the tasks undertaken;

(b) are adequately supervised while carrying out gasfitting;

(c) comply with all relevant regulations, including regulations made under the Gas Act 1992;

(d) can produce their current authorisation card issued by the Board on demand; and

(e) do not undertake gasfitting while connected to a gas supply if the persons are Exempt Persons.

(10) A certifying gasfitter may nominate another currently licensed certifying gasfitter or tradesman gasfitter (“Nominated Person”) to provide physical supervision of any person working under their supervision.

(11) A certifying gasfitter remains responsible at all times for all aspects of the work done by a person under their supervision even where they have nominated another certifying gasfitter or tradesman gasfitter to provide physical supervision of that work.

(12) A certifying gasfitter who is nominated to provide physical supervision of a person must promptly notify the person’s supervising certifying gasfitter of any concerns they have about the work done by that person or the safety measures in place in respect of the work done by that person.

(13) A certifying gasfitter must ensure that, during the first 12 months of holding a limited certificate to do or assist in doing gasfitting, a Trainee Gasfitter under their supervision works at all times in their presence or in the presence of a Nominated Person.

(14) A certifying gasfitter must ensure that, during the first 24 months of doing or assisting in doing gasfitting under an exemption under section 21 of the Act, an Exempt Person under their supervision works at all times in their presence or in the presence of a Nominated Person.

## **Part B - Tradesman gasfitter**

### **9. Tradesman gasfitter**

(1) The Board designates the tradesman gasfitter class of gasfitting registration.

(2) All gasfitters registered as licensed gasfitters under the Plumbers, Gasfitters, and Drainlayers Board (Gasfitting Registration and Licensing) Notice 2010 are now deemed to be registered as tradesmen gasfitters.

### **10. Authorised work**

A tradesman gasfitter who holds a current annual practising licence issued by the Board:

- (a) may carry out gasfitting under the supervision of a certifying gasfitter;
- (b) may physically supervise, as a Nominated Person, gasfitting undertaken by a person under supervision; and
- (c) may test gasfitting.

### **11. Minimum standards for registration**

#### *Registration requirements*

(1) To be registered as a tradesman gasfitter a person must have:

(a) obtained the National Certificate in Gasfitting and passed the examination specified in paragraph 11(2) below; or

(b) where the person is applying on the basis of an overseas gasfitting qualification:

(i) submitted a completed pre-registration application form to the Board that includes the following documentation:

A. an international qualifications assessment report from the New Zealand Qualifications Authority concluding that the applicant’s gasfitting qualification is equivalent to, or greater than level 4 on the National Qualifications Framework;

B. unless the applicant has already been granted New Zealand residence, police certificates that are no older than six months from the applicant’s country of citizenship (unless they can provide satisfactory evidence they have never lived there), and from any country the applicant has lived in for 12 months or more (whether in one visit or intermittently) in the last 10 years, that the Board assesses as meeting its fit and proper person registration requirements; and

C. evidence that the applicant has worked full-time in the gasfitting trade for four years or more; and

(ii) passed the examination specified in paragraph 11(2) below, which they may sit in their home country by arrangement with the Board.

#### *Tradesman gasfitter competencies*

(2) The examination a person must pass in order to register as a tradesman gasfitter is Examination 9193 set by the Board.

(3) Examination 9193 will be set by the Board so that, to pass the examination an applicant demonstrates knowledge, and the experience and practical ability to install, test, commission, fault-find, and maintain gasfitting systems through possessing competencies in the areas of:

(a) Trade calculations and trade sciences. Descriptors include, but are not limited to:

- (i) estimation, measurement, and calculation using measurement systems;
- (ii) application of formulae;

- (iii) gas rating;
- (iv) heat input/output calculations;
- (v) pipesizing;
- (vi) fluing;
- (vii) corrosion;
- (viii) flame characteristics;
- (ix) flammability limits;
- (x) physics laws and their application as they relate to gasfitting;
- (xi) combustion and ventilation; and
- (xii) expansion and contraction.

(b) Limitations in and the application of material used in gasfitting, including material protection and jointing methods. Descriptors include, but are not limited to:

- (i) copper;
- (ii) polyvinylchloride (PVC);
- (iii) polyethylene (PE);
- (iv) mild steel;
- (v) stainless steel;
- (vi) polypropylene;
- (vii) cross-linked polyethylene;
- (viii) brass/bronze;
- (ix) cast iron;
- (x) aluminium;
- (xi) fire-rated materials; and
- (xii) the use of tools and equipment.

(c) The installation, testing, commissioning, fault-finding, and maintaining of gas installations. Descriptors include, but are not limited to:

- (i) appliances;
- (ii) equipment;
- (iii) ventilation;
- (iv) pipework; and
- (v) fluing.

(d) Types, uses, characteristics, composition, and safe storage and handling of fuel gases. Descriptors include, but are not limited to:

- (i) manufactured gas;
- (ii) natural gas; and
- (iii) liquefied petroleum gas (LPG): butane, propane, general product.

(e) The principles of space and water heating. Descriptors include, but are not limited to:

- (i) principles and components of direct and indirect heating and ventilation;
- (ii) solar boosted systems;
- (iii) hydronic systems;
- (iv) fans; and
- (v) ducting.

(f) Drawings and specifications for gasfitting. Descriptors include, but are not limited to:

- (i) interpreting plans and specifications;
- (ii) drawing as-built plans; and
- (iii) development of patterns.

(g) Electrical and electronics work as it applies to gasfitting within the limitations under the Electricity Act

1992.

(h) The ability to access and apply relevant documentation relating to gasfitting to meet compliance requirements, and an understanding of the regulatory environment. Descriptors include, but are not limited to:

- (i) Acts and regulations;
- (ii) standards;
- (iii) codes; and
- (iv) manufacturers' instructions.

(i) The effect of the installation of gasfitting systems, or their components, on the integrity of structures, including weather tightness considerations as they relate to penetrations to the building envelope. Descriptors include, but are not limited to:

- (i) preservation of structural integrity; and
- (ii) prevention of damage to property, including weather tightness.

(j) Responsibilities relating to health and safety. Descriptors include, but are not limited to:

- (i) personal and public safety;
- (ii) site safety; and
- (iii) electrical safety.

(k) Limitations on persons who can do, or assist in doing, gasfitting.

*Transitional provision*

(4) Any person who was approved under the Board's Immigrant Qualification Assessment System prior to 4 July 2013 must pass Examination 9193 before that person will be considered to meet the minimum standards for registration as a tradesman gasfitter.

**12. Terms and conditions of registration**

- (1) A tradesman gasfitter must pay any monies owing to the Board as they become due, subject to any exceptions agreed to by the Board.
- (2) A tradesman gasfitter must provide the Board with all information required for the public register.

**13. Terms and conditions of licence**

*Continuing professional development*

(1) For the purposes of paragraph (2) below:

**Approved continuing professional development course** means a course of training of up to six hours duration on continuing professional development topics as set out on the Board's website and delivered by an approved provider either in person or online.

**Approved provider** means a provider approved by the Board to deliver an approved continuing professional development course and notified on the Board's website.

(2) To be eligible to renew their annual practising licence, all tradesmen gasfitters applying to renew their licence for the licensing years beginning on 1 April 2017 and beyond must satisfy the Registrar that they have completed any approved continuing professional development course that has been notified as applying in the 12 month period prior to renewal.

*Authorisation card*

- (3) All tradesmen gasfitters that hold a current annual practising licence are issued with an authorisation card by the Board.
- (4) At all times when undertaking gasfitting, a tradesmen gasfitter must be able to produce their authorisation card on demand.

*Supervision*

- (5) A tradesman gasfitter must work at all times under the supervision of a certifying gasfitter.
- (6) A tradesman gasfitter must notify the Board of the name and registration number of their supervising certifying gasfitter.
- (7) A tradesman gasfitter who is nominated to provide physical supervision of a person must promptly notify the person's supervising certifying gasfitter of any concerns they have about the competency of the work done by that person or the safety measures in place in respect of the work done by that person.

**Part C - Journeyman gasfitter**

#### **14. Journeyman gasfitter**

The Board designates the journeyman gasfitter class of gasfitting registration.

#### **15. Authorised work**

A journeyman gasfitter who holds a current annual practising licence issued by the Board:

- (a) may carry out gasfitting under the supervision of a certifying gasfitter; and
- (b) may test gasfitting.

#### **16. Minimum standards for registration**

To be registered as a journeyman gasfitter a person must have successfully completed one of the following:

- (a) the National Certificate in gasfitting;
- (b) the third stage block course in gasfitting; or
- (c) the practice trade certificate in gasfitting.

#### **17. Terms and conditions of registration**

- (1) A journeyman gasfitter must pay any monies owing to the Board as they become due, subject to any exceptions agreed to by the Board.
- (2) A journeyman gasfitter must provide the Board with all information required for the public register.

#### **18. Terms and conditions of licence**

##### *Continuing professional development*

- (1) For the purposes of paragraph (2) below:

**Approved continuing professional development course** means a course of training of up to six hours duration on continuing professional development topics as set out on the Board's website and delivered by an approved provider either in person or online.

**Approved provider** means a provider approved by the Board to deliver an approved continuing professional development course and notified on the Board's website.

- (2) To be eligible to renew their annual practising licence, all journeymen gasfitters applying to renew their licence for the licensing years beginning on 1 April 2018 and beyond must satisfy the Registrar that they have completed any approved continuing professional development course that has been notified as applying in the 12 month period prior to renewal.

##### *Authorisation card*

- (3) All journeymen gasfitters that hold a current annual practising licence are issued with an authorisation card by the Board.
- (4) At all times when undertaking gasfitting, a journeyman gasfitter must be able to produce their authorisation card on demand.

#### **Part D - General**

#### **19. Licence period**

The licence period is from 1 April to 31 March of the following year, provided that:

- (a) a licence is issued for a maximum period of one licensing year only;
- (b) all licences expire on 31 March irrespective of when in the licensing period they were issued subject to section 50 of the Act; and
- (c) a licence issued after 1 April is valid only from the date on which it is issued until its expiry on 31 March.

#### **20. Application forms**

The Board must provide the following forms:

- (a) Application for registration as a:
  - (i) certifying gasfitter;
  - (ii) tradesman gasfitter; and
  - (iii) journeyman gasfitter.
- (b) Application for licence as a:
  - (i) certifying gasfitter;
  - (ii) tradesman gasfitter; and
  - (iii) journeyman gasfitter.

**21. Glossary**

- (1) Where the term “gasfitting” is used it refers to “gasfitting” as defined in section 5 of the Act.
- (2) Where the term “supervision” is used it refers to “supervision” as defined in section 4 of the Act.
- (3) Where the term “certify” is used it refers to formal verification for the purposes of any Act or regulations that apply to the work.

Dated at Wellington this 18th day of October 2016.

WILLIAM HENRY MARTIN SAWYERS, Registrar, Plumbers, Gasfitters, and Drainlayers Board.

2016-gs6012

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