

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) Gasfitters;
 - (ii) restricted 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");
 - (v) persons carrying out gasfitting pursuant to section 21 of the Act ("Exempt Persons");
- (c) may test gasfitting; and
- (d) must certify gasfitting where certification 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 Gasfitter (or as a 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 assessment from the Skills Organisation concluding that the applicant's gasfitting qualification is equivalent to, or greater than the New Zealand Certificate in Gasfitting at level 4; and
 - B. unless the applicant has already been granted New Zealand residence, police certificates that are no older than 6 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 6 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 to register as a certifying gasfitter is examination 9196 ("Examination 9196") set by the Board.
- (3) Examination 9196 will test an applicant's knowledge, experience, and practical understanding in the competencies as they relate to the design, management of the installation of, identification, and verification/certification of gasfitting systems:
 - (a) Trade calculations and trade science including, but not limited to,–
 - (i) application of formulae
 - (ii) combustion and ventilation
 - (iii) estimation, measurement, and calculation
 - (iv) condensate
 - (v) corrosion
 - (vi) flame characteristics
 - (vii) flueing
 - (viii) flue-sizing principles
 - (ix) gas properties
 - (x) gas rating
 - (xi) hydraulic principles as they relate to gas-fired water heaters
 - (xii) input/output efficiency calculations
 - (xiii) laws of physics
 - (xiv) pipe sizing
 - (xv) thermal expansion.
 - (b) Selection of products and materials including, but not limited to,–
 - (i) their applications, properties, and uses
 - (ii) their compatibility, testing, limitations, and commissioning procedures
 - (iii) alternative products or materials, approval regimes, and protection of products or materials.
 - (c) Tools and equipment.

- (d) Jointing methods.
- (e) Designs, drawings, and specifications including, but not limited to,—
 - (i) as-built plans
 - (ii) compliance documentation
 - (iii) materials lists
 - (iv) plans, schematics, design calculations, and specifications.
- (f) Gas installations including, but not limited to,—
 - (i) domestic appliances
 - (ii) commercial appliances
 - (iii) gas supply pipework, service lines, meters, and regulator systems
 - (iv) industrial appliances
 - (v) non-propulsive gasfitting in ships, boards, caravans, and vehicles
 - (vi) pressure and flow controls
 - (vii) safety devices.
- (g) Integrity of structures including, but not limited to,—
 - (i) coordination with other building services
 - (ii) fire protection
 - (iii) preservation of structural integrity
 - (iv) prevention of damage to property including weather tightness.
- (h) Efficient use of natural resources (sustainability practices) including, but not limited to,—
 - (i) best environmental practice
 - (ii) energy efficiency
 - (iii) waste minimisation.
- (i) Compliance documentation including, but not limited to,—
 - (i) Acts
 - (ii) regulations
 - (iii) acceptable solutions and verification methods
 - (iv) alternative solutions
 - (v) standards
 - (vi) codes of practice
 - (vii) guidance
 - (viii) manufacturers' instructions
 - (ix) the hierarchy and relationship between the forms of documentation
 - (x) certification of gasfitting work.
- (j) Health and safety including, but not limited to,—
 - (i) personal and public safety
 - (ii) site safety
 - (iii) environmental consideration relating to personal safety
 - (iv) environmental impacts
 - (v) preparation of safety plans.
- (k) Gasfitting as a regulated occupation including, but not limited to,—
 - (i) limitations on who can do and assist in doing gasfitting
 - (ii) requirements around carrying out gasfitting
 - (iii) responsibilities that apply to registered practitioners

- (iv) understanding the regulatory environment
- (v) supervising people doing gasfitting
- (vi) certification of gasfitting work.

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 focussed 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 6 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 the 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 they undertake;
 - (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 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 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 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 carrying out 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—Gasfitter

9. Gasfitter

- (1) The Board designates the 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 Gasfitters.

10. Authorised work

A 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 become a Gasfitter a person must have:
 - (a) obtained the National Certificate in Gasfitting and passed the examination specified in paragraph 11(2) below; or
 - (aa) the New Zealand Certificate in Gasfitting; 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 assessment from the Skills Organisation concluding that the applicant's gasfitting qualification is equivalent to, or greater than the New Zealand Certificate in Gasfitting at level 4; and
 - B. unless the applicant has already been granted New Zealand residence, police certificates that are no older than 6 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 4 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.

Gasfitter competencies

- (2) The examination a person must pass to register as a Gasfitter is examination 9193 ("Examination 9193") set by the Board.
- (3) Examination 9193 will test an applicant's knowledge, experience, and practical understanding in the following competencies as they relate to the installation, identification, testing, commissioning, gault-finding, and maintenance of gasfitting systems:
 - (a) Trade calculations and trade sciences including, but not limited to,—
 - (i) application of formulae
 - (ii) condensate
 - (iii) combustion and ventilation
 - (iv) corrosion
 - (v) estimation, measurement, and calculation
 - (vi) flammability limits
 - (vii) flame characteristics
 - (viii) flueing
 - (ix) gas properties
 - (x) gas rating

- (xi) hydraulic principles as they relate to gas-fired water heaters
- (xii) input/output efficiency calculations
- (xiii) laws of physics
- (xiv) pipe sizing.
- (b) Uses and limitations of products and materials including, but not limited to,–
 - (i) aluminium
 - (ii) asbestos
 - (iii) black steel
 - (iv) brass/bronze
 - (v) cast iron
 - (vi) copper and copper alloys
 - (vii) cross linked polyethylene (X-PE)
 - (viii) fire resistant materials
 - (ix) galvanised steel
 - (x) mild steel
 - (xi) polyamide
 - (xii) polyethylene (PE)
 - (xiii) polypropylene (PP)
 - (xiv) polyvinylchloride (PVC)
 - (xv) stainless steel.
- (c) Tools and equipment
- (d) Jointing methods
- (e) Drawings and specifications including, but not limited to,–
 - (i) as-built plans
 - (ii) materials lists
 - (iii) plans, schematics, and specifications
 - (iv) patterns.
- (f) Gas installations including, but not limited to,–
 - (i) appliances
 - (ii) equipment
 - (iii) flueing
 - (iv) gas reticulation
 - (v) pipe sizing and pipework
 - (vi) seismic considerations
 - (vii) ventilation.
- (g) Handling of fuel gases including, but not limited to,–
 - (i) characteristics
 - (ii) composition
 - (iii) liquid petroleum gas (LPG_, butane, propane, general product
 - (iv) manufactured gas
 - (v) natural gas
 - (vi) safe storage
 - (vii) safe handling
 - (viii) types of gases
 - (ix) uses.

- (h) Space and water heating including, but not limited to,–
 - (i) direct and indirect heating and ventilation
 - (ii) gas boosted systems
 - (iii) hydronic systems
 - (iv) warm air systems.
- (i) Electrical and electronics work relating to gas installations.
- (j) Integrity of structures including, but not limited to,–
 - (i) coordination with other building services
 - (ii) fire protection
 - (iii) preservation of structural integrity
 - (iv) prevent of damage to property including weather tightness.
- (k) Efficient use of natural resources (sustainability practices) including, but not limited to,–
 - (i) best environmental practice
 - (ii) energy efficiency
 - (iii) waste minimisation.
- (l) Compliance documentation Compliance documentation including, but not limited to,–
 - (i) Acts
 - (ii) Regulations
 - (iii) acceptable solutions and verification methods
 - (iv) alternative solutions
 - (v) standards
 - (vi) codes of practice
 - (vii) guidance
 - (viii) manufacturers' instructions
 - (ix) the hierarchy and relationship between the forms of documentation
 - (xi) certification of gasfitting work.
- (j) Health and safety including, but not limited to,–
 - (i) personal and public safety
 - (ii) site safety
 - (iii) environmental consideration relating to personal safety
 - (iv) environmental impacts.
- (k) Gasfitting as a regulated occupation including, but not limited to,–
 - (i) limitations on who can do and assist in doing gasfitting
 - (ii) requirements around carrying out gasfitting
 - (iii) responsibilities that apply to registered practitioners
 - (iv) understanding the regulatory environment.

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 Gasfitter.

12. Terms and conditions of registration

- (1) A Gasfitter must pay any monies owing to the Board as they become due, subject to any exceptions agreed to by the Board.
- (2) A 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 6 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 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 Gasfitters that hold a current annual practising licence are issued with an authorisation card by the Board.
- (4) At all times when carrying out gasfitting, a Gasfitter must be able to produce their authorisation card on demand.

Supervision

- (5) A Gasfitter must work at all times under the supervision of a certifying gasfitter.
- (6) A Gasfitter must notify the Board of the name and registration number of their supervising certifying gasfitter.
- (7) A 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 – Restricted gasfitter

14. Restricted gasfitter

The Board designates the restricted gasfitter class of gasfitting registration.

15. Authorised work

A restricted 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 restricted 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 restricted gasfitter must pay any monies owing to the Board as they become due, subject to any exceptions agreed to by the Board.
- (2) A restricted 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 6 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 restricted 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 restricted 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 restricted 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;
- (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) Gasfitter; and

- (iii) restricted gasfitter.
- (b) Application for licence as a:
 - (i) certifying gasfitter;
 - (ii) Gasfitter; and
 - (iii) restricted 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 certification for the purposes of any Act or regulations that apply to the work.

Issued at Wellington this 18th day of October 2016

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