

1995 No. 3**HEALTH AND SAFETY****Gas Safety (Installation and Use) Regulations
(Northern Ireland) 1995***Made 10th January 1995**Coming into operation in accordance with regulation 1(2)
to (4)***ARRANGEMENT OF REGULATIONS****PART I****GENERAL**

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The Department of Economic Development, being the Department concerned(a), in exercise of the powers conferred on it by Articles 17(1), (2), (4), (5) and (6) and 55(2) of, and paragraphs 1(1), (2) and (3), 3(1), 11, 15 and 19 of Schedule 3 to, the Health and Safety at Work (Northern Ireland) Order 1978(b) and of every other power enabling it in that behalf, after consultation in accordance with Article 46(1) of that Order with the Health and Safety Agency for Northern Ireland and such other bodies as appeared to the Department to be appropriate, hereby makes the following Regulations:—

PART I

GENERAL

Citation and commencement

1.—(1) These Regulations may be cited as the Gas Safety (Installation and Use) Regulations (Northern Ireland) 1995.

(2) Subject to paragraphs (3) to (4), these Regulations shall come into operation on 20th February 1995.

(3) Regulations 3(3), 30(2) and (3) and 35(3) and (4) shall come into operation on 1st January 1996.

(4) Regulation 14 shall come into operation on 1st September 1996.

General interpretation and application

2.—(1) In these Regulations—

“Department” means the Department of Economic Development;

“distribution main” means any main through which a supplier or a transporter is for the time being distributing gas and which is not being used only for the purpose of conveying gas in bulk;

“emergency control” means a valve (not being a service valve) for shutting off the supply of gas in an emergency;

“flue” means a passage for conveying the products of combustion from a gas appliance to the external air and includes any part of the passage in a gas appliance duct which serves the purpose of a flue;

“gas” has the meaning assigned to it by Article 4(4) of the Offshore, and Pipelines, Safety (Northern Ireland) Order 1992(c);

“gas appliance” means an appliance designed for use by a consumer of gas for heating, lighting, cooking or other purposes for which gas can be used, but, save for the purposes of regulations 3 and 35, it does not include a portable or mobile appliance supplied with gas from a cylinder, or the cylinder, pipes and other fittings used for supplying gas to that appliance;

(a) See Article 2(2) of S.I. 1978/1039 (N.I. 9)

(b) S.I. 1978/1039 (N.I. 9); the general purposes of Part II referred to in Article 17(1) were extended by S.I. 1992/1728 (N.I. 17) Article 4(1)

(c) S.I. 1992/1728 (N.I. 17)

“gas fittings” means gas pipework, valves, regulators and meters, and fittings, apparatus and appliances designed for use by consumers of gas for heating, lighting, cooking or other purposes for which gas can be used (other than the purpose of an industrial process carried out on industrial premises), but it does not include—

- (a) any part of a service pipe;
- (b) any part of a distribution main or other pipe upstream of the service pipe;
- (c) a gas storage vessel; or
- (d) a gas cylinder or cartridge designed to be disposed of when empty;

“gas storage vessel” means a storage container designed to be filled or re-filled with gas at the place where it is connected for use or a refillable cylinder designed to store gas, and includes the vapour valve; but it does not include a cylinder or cartridge designed to be disposed of when empty;

“installation pipework” means any pipework for conveying gas for a particular consumer and any associated valve or other gas fitting, but it does not include—

- (a) a service pipe;
- (b) a pipe comprised in a gas appliance;
- (c) any valve attached to a storage container or cylinder;
- (d) service pipework; or
- (e) any part of a primary meter installation;

“meter by pass” means any pipe and other gas fittings used in connection with it through which gas can be conveyed from a service pipe or service pipework to installation pipework without passing through the meter;

“premises” shall not include any place which is within United Kingdom territorial waters adjacent to Northern Ireland;

“primary meter” means a meter connected to a service pipe or service pipework for ascertaining the quantity of gas supplied through that pipe or pipework;

“primary meter installation” means a primary meter and the pipes and other gas fittings used in connection with it, including any meter by pass, installed between the outlet of the emergency control and the outlet connection of the meter or the outlet of the common connection of the meter and any meter by pass or any other primary meter as the case may be;

“the responsible person”, in relation to any premises, means the occupier of the premises or, where there is no occupier or the occupier is unavailable, the owner of the premises or any person with authority for the time being to take appropriate action in relation to any gas fitting therein;

- “room-sealed appliance” means an appliance whose combustion system is sealed from the room in which the appliance is located and which obtains air for combustion from a ventilated uninhabited space within the premises or from the open air outside the premises and which vents the products of combustion to open air outside the premises;
- “service pipe” means a pipe for supplying gas to premises from a distribution main, being any pipe between the distribution main and the emergency control nearest upstream to the primary meter;
- “service pipework” means a pipe for supplying gas to premises from a gas storage vessel, being any pipe between the gas storage vessel and the outlet of the emergency control;
- “service valve” means a valve for controlling a supply of gas incorporated in a service pipe and not situated inside a building;
- “supplier” in relation to gas means—
- (a) a person who supplies gas to any premises through a primary meter;
 - (b) a person who provides a supply of gas to a consumer by means of the filling or re-filling of a storage container designed to be filled or re-filled with gas at the place where it is connected for use whether or not such container is or remains the property of the supplier; or
 - (c) a person who provides gas in refillable cylinders for use by a consumer whether or not such cylinders are filled or re-filled directly by that person and whether or not such cylinders are or remain the property of that person, but a retailer shall not be deemed to be a supplier when he sells a brand of gas other than his own;
- “transporter” in relation to gas means a person, other than a supplier, who conveys gas through a distribution main;
- “undertaker” has the meaning assigned to it by Article 2(2) of the Gas (Northern Ireland) Order 1977(a);
- “work” in relation to a gas fitting includes any of the following activities carried out by any person, whether an employee or not, that is to say—
- (a) installing the fitting;
 - (b) maintaining, servicing, permanently adjusting, repairing, altering or renewing the fitting or purging it of air or gas;
 - (c) where the fitting is not readily movable, changing its position; and
 - (d) removing the fitting.
- (2) For the purposes of these Regulations—
- (a) any reference to installing a gas fitting includes a reference to converting any pipe, fitting, meter, apparatus or appliance to gas use; and

(b) a person to whom gas is supplied and who provides that gas for use in a flat or part of premises let by him shall not in so doing be deemed to be supplying gas.

(3) Subject to paragraphs (4) and (5), these Regulations shall apply to or in relation to gas fittings used in connection with gas which has been conveyed to premises through a distribution main or from a gas storage vessel.

(4) Save for regulation 36, these Regulations shall not apply in relation to the supply of gas to, or anything done in respect of, a gas fitting at the following premises, that is to say—

(a) a mine within the meaning of section 156(1) of the Mines Act (Northern Ireland) 1969(a) or a quarry within the meaning of Article 2(2) of the Quarries (Northern Ireland) Order 1983(b) or any place deemed to form part of a mine or quarry for the purposes of that Act or that Order respectively;

(b) a factory within the meaning of the Factories Act (Northern Ireland) 1965(c);

(c) agricultural premises, being agricultural land, including land being or forming part of a market garden, and any building thereon which is used in connection with agricultural operations; or

(d) temporary installations used in connection with any building operation or work of engineering construction (both within the meaning of the Factories Act (Northern Ireland) 1965),

but they shall apply in relation to such premises or part thereof used for domestic or residential purposes or as sleeping accommodation.

(5) Nothing in these Regulations shall apply in relation to the supply of gas to, or anything done in respect of, a gas fitting on:

(a) a self-propelled vehicle;

(b) a sea-going ship;

(c) a vessel not requiring a national or international load line certificate except when such vessel is hired out in the course of a business;

(d) a hovercraft; or

(e) a caravan used for touring otherwise than when hired out in the course of a business.

(a) 1969 c. 6 (N.I.)

(b) S.I. 1983/150 (N.I. 4)

(c) 1965 c. 20 (N.I.)

PART II

GAS FITTINGS — GENERAL PROVISIONS

Qualification and supervision

3.—(1) A person shall not carry out any work in relation to a gas fitting or gas storage vessel unless he is competent to do so.

(2) The employer of any person carrying out such work for that employer shall ensure that paragraph (1) is complied with.

(3) Without prejudice to the generality of paragraphs (1) and (2), an employer shall not allow any of his employees to carry out any work in relation to a gas fitting or gas storage vessel and a self-employed person shall not carry out any such work, unless the employer or self-employed person, as the case may be, is a member of a class of persons approved for the time being by the Department for the purposes of this paragraph.

(4) An approval given pursuant to paragraph (3) (and any withdrawal of such approval) shall be in writing and notice of it shall be given to such persons and in such manner as the Department considers appropriate.

(5) The employer of any person carrying out any work in relation to a gas fitting or gas storage vessel in the course of his employment shall ensure that such of the following provisions of these Regulations as impose duties upon that person and are for the time being in operation are complied with by that person.

(6) A person shall not falsely pretend to be a member of a class of persons required to be approved under paragraph (3).

Duty on employer

4. Where an employer or a self-employed person requires any work in relation to a gas fitting to be carried out at any place of work under his control, he shall take reasonable steps to ensure that the person undertaking that work is, or is employed by, a member of a class of persons approved by the Department under regulation 3(3).

Materials and workmanship

5.—(1) A person shall not install a gas fitting unless every part of it is of good construction and sound material, of adequate strength and size to secure safety and of a type appropriate for the gas with which it is to be used.

(2) Without prejudice to the generality of paragraph (1), a person shall not install in a building any pipe or pipe fitting for use in the supply of gas which is—

(a) made of lead or lead alloy; or

(b) made of a non-metallic substance unless it is—

(i) a pipe connected to a readily movable gas appliance designed for use without a flue; or

(ii) a pipe entering the building and that part of it within the building is placed inside a metallic sheath which is so constructed and

installed as to prevent, so far as is reasonably practicable, the escape of gas into the building if the pipe should fail.

(3) A person shall not carry out any work in relation to a gas fitting or gas storage vessel otherwise than in accordance with appropriate standards and in such a way as to prevent danger to any person.

General safety precautions

6.—(1) A person shall not carry out any work in relation to a gas fitting in such a manner that gas could be released unless steps are taken to prevent the gas so released constituting a danger to any person.

(2) A person carrying out work in relation to a gas fitting shall not leave the fitting unattended unless every incomplete gasway has been sealed with the appropriate fitting so as to be gastight or the gas fitting is otherwise safe.

(3) Any person who disconnects a gas fitting shall, with the appropriate fitting, seal off every outlet of every pipe to which it was connected.

(4) A person carrying out work in relation to a gas fitting which involves exposing gasways which contain or have contained flammable gas shall not smoke or use any source of ignition in such a manner as may lead to the risk of fire or explosion.

(5) A person searching for an escape of gas shall not use any source of ignition.

(6) Where a person carries out any work in relation to a gas fitting which might affect the gas tightness of the gas installation, he shall immediately thereafter test the installation for gas tightness at least as far as the nearest valves upstream and downstream in the installation.

(7) A person shall not install a gas storage vessel unless the site where it is to be installed is such as to ensure that the gas storage vessel can be used, filled or re-filled without causing a danger to any person.

(8) A person shall not install in a cellar or basement—

(a) a gas storage vessel; or

(b) an appliance fuelled by liquefied petroleum gas which has an automatic ignition device or a pilot light.

(9) A person shall not intentionally or recklessly interfere with a gas storage vessel or otherwise do anything which might affect a gas storage vessel so that the subsequent use of that vessel might cause a danger to any person.

Protection against damage

7.—(1) Any person installing a gas fitting shall ensure that it is properly supported and so placed or protected as to avoid any undue risk of damage to the fitting.

(2) A person shall not install a gas fitting if he has reason to suspect that foreign matter may block or otherwise interfere with the safe operation of the fitting, unless he has fitted to the gas inlet of, and any airway in, the fitting a suitable filter or other suitable protection.

(3) A person shall not install a gas fitting in a position where it is likely to be exposed to any substance which may corrode gas fittings unless the fitting is constructed of materials which are inherently resistant to being so corroded or it is suitably protected against being so corroded.

Existing gas fittings

8.—(1) A person shall not make any alteration to any premises which would adversely affect the safety of a gas fitting or a gas storage vessel in such a manner that, if the fitting or the vessel had been installed after the alteration, there would have been a contravention of, or failure to comply with, these Regulations.

(2) A person shall not do anything which would affect a gas fitting or any flue or means of ventilation used in connection with the fitting in such a manner that the subsequent use of the fitting might constitute a danger to any person.

Emergency controls

9.—(1) A person shall not for the first time enable gas to be supplied for use in any premises unless there is provided an appropriately sited emergency control to which there is adequate access.

(2) Any person installing an emergency control shall ensure that—

(a) any key, lever or hand-wheel of the control is securely attached to the operating spindle of the control;

(b) any such key or lever is attached so that—

(i) the key or lever is parallel to the axis of the pipe in which the control is installed when the control is in the open position; and

(ii) where the key or lever is not attached so as to move only horizontally, gas cannot pass beyond the control when the key or lever has been moved as far as possible downwards;

(c) either the means of operating the key or lever is clearly and permanently marked or a notice in permanent form is prominently displayed near such means so as to indicate when the control is open and when the control is shut;

(d) any hand-wheel indicates the direction of opening or closing of the control.

(3) Where a person installs an emergency control which is not adjacent to a primary meter installation, he shall immediately thereafter prominently display on or near the means of operating the control a suitably worded notice in permanent form indicating the procedure to be followed in the event of an escape of gas.

(4) Where any person first supplies gas to premises where an emergency control is installed, he shall ensure that the notice required by paragraph (3) remains suitably worded or shall, where necessary, forthwith amend or replace that notice so as to give effect to the provisions of that paragraph.

(5) This regulation shall not apply where gas is supplied in a refillable cylinder except where two or more cylinders are connected by means of an automatic change-over device.

Equipotential bonding

10. In any case where it is necessary to prevent danger, a person shall not carry out work in relation to a gas fitting without using a suitable bond to maintain electrical continuity until the work is completed and permanent electrical continuity has been restored.

PART III

METER INSTALLATIONS AND REGULATORS

Interpretation of Part III

11. In this Part—

- “meter box” means a receptacle or compartment designed and constructed to contain a meter with its associated gas fittings;
- “meter compound” means an area or room designed and constructed to contain one or more meters with their associated gas fittings;
- “secondary meter” means a meter, other than a primary meter, for ascertaining the quantity of gas provided by a person for use by another person, whether or not there is also a primary meter in respect of the gas supplied.

Meters — general provisions

12.—(1) A person shall not install a meter in any premises unless the site where it is to be installed is such as to ensure so far as is reasonably practicable that the means of escape from those premises in the event of fire is not adversely affected.

(2) A person shall not install a meter in any premises unless it is of sound construction adequate to ensure so far as is reasonably practicable that in the event of fire gas is not able to escape in hazardous quantities, save that this paragraph shall not apply to any meter installed in non-domestic premises to which gas is supplied through a readily accessible service valve.

(3) A person shall not install a meter unless the installation is so placed as to ensure that there is no risk of damage to it from electrical apparatus.

(4) A person shall not install a meter except in a readily accessible position for inspection and maintenance.

(5) Where a meter has bosses or side pipes attached to the meter by a soldered joint only, a person shall not make rigid pipe connections to the meter.

(6) Where a person installs a meter and the pipes and other gas fittings associated with it, he shall ensure that—

- (a) immediately thereafter they are adequately tested to verify that they are gastight and examined to verify that they have been installed in accordance with these Regulations; and

- (b) immediately after such testing and examination, purging is carried out throughout the meter and every other gas fitting through which gas can then flow so as to remove safely all air and gas other than the gas to be supplied.

Meter housings

13.—(1) Where a meter is housed in a meter box or meter compound attached to or built into the external face of the outside wall of any premises, the meter box or meter compound shall be so constructed and installed that any gas escaping within the box or compound cannot enter the premises or any cavity in the wall but must disperse to the external air.

(2) A person shall not knowingly store readily combustible materials in any meter box or meter compound.

(3) A person shall not install a meter in a meter box provided with a lock, unless the consumer has been provided with a suitably labelled key to that lock.

(4) A person shall not install a meter within a meter compound which is capable of being secured unless the consumer has been provided with a suitably labelled key for that compound.

Regulators

14.—(1) A person shall not install a primary meter or meter by pass used in connection with a primary meter unless—

(a) there is a regulator controlling the pressure of gas supplied through the meter or the meter by pass, as the case may be, which provides adequate automatic means for preventing the gas fittings connected to the downstream side of the regulator from being subjected to a pressure greater than that for which they were designed;

(b) where the normal pressure of the gas supply is 75 millibars or more at the inlet to the regulator, there are also adequate automatic means for preventing those gas fittings from being subjected to such a greater pressure if the regulator should fail; and

(c) where the regulator contains a relief valve or liquid seal, such valve or seal is connected to a vent pipe of adequate size and so installed that it is capable of venting safely.

(2) Without prejudice to the requirements of paragraph (1), a person shall not cause gas to be supplied from a gas storage vessel to any service pipework or gas fitting unless—

(a) there is a regulator installed which provides adequate automatic means for preventing the installation pipework and gas fittings downstream of the regulator from being subjected to a pressure different from that for which they were designed; and

(b) there is an adequate alternative automatic means for preventing the service pipework from being subjected to a greater pressure than that for which it was designed.

(3) The requirements of paragraph (2)(a) and (b) shall not apply where the supply of gas—

(a) is from a refillable cylinder which is filled other than at the place where it is connected; and

(b) passes through a regulator which controls the nominal operating pressure of that gas.

(4) Where a person installs a regulator for controlling the pressure of gas through a primary meter, a meter by pass used in connection with a primary meter or from a gas storage vessel, or installs a gas appliance itself fitted with a regulator for controlling the pressure of gas to that appliance, he shall immediately thereafter ensure, in either case, that the regulator is adequately sealed so as to prevent its setting from being interfered with without breaking of the seal.

(5) In relation to—

(a) gas from a distribution main, a person except the transporter or a person authorised to act on his behalf,

(b) gas from a gas storage vessel, a person except the supplier or a person authorised to act on his behalf,

shall not break a seal applied under paragraph (4).

Meters — emergency notices

15.—(1) A person shall not supply gas through a primary meter installed after the coming into operation of these Regulations or for the first time supply gas through an existing primary meter after the coming into operation of these Regulations unless he ensures that a suitably worded notice in permanent form is prominently displayed on or near the meter indicating the procedure to be followed in the event of an escape of gas.

(2) Where a meter is installed in any premises at a distance of more than 2 metres from, or out of sight of, the nearest upstream emergency control in the premises, a person shall not supply or provide gas for the first time through the meter unless he ensures that a suitably worded notice in permanent form is prominently displayed on or near the meter indicating the position of that control.

Primary meters

16.—(1) A person shall not install a prepayment meter as a primary meter through which gas passes to a secondary meter.

(2) Any person who first allows gas through any service pipe or service pipework after the coming into operation of these Regulations to more than one primary meter shall ensure that a notice in permanent form is prominently displayed on or near each primary meter indicating that this is the case.

(3) Where a primary meter is removed, the person who last supplied gas through the meter before removal shall—

(a) where the meter is not forthwith re-installed or replaced by another meter—

- (i) close any service valve which controlled the supply of gas to that meter and did not control the supply of gas to any other primary meter; and
 - (ii) clearly mark any live gas pipe in the premises in which the meter was installed to the effect that the pipe contains gas; and
- (b) where the meter has not been re-installed or replaced by another meter before the expiry of the period of 12 months beginning with the date of removal of the meter and there is no such service valve as is mentioned in sub-paragraph (a)(i), ensure that the service pipe or service pipework for those premises is disconnected as near as is reasonably practicable to the main or storage vessel and that any part of the pipe or pipework which is not removed is sealed at both ends with the appropriate fitting.

Secondary meters

17. Any person providing gas through a secondary meter shall ensure that a notice in permanent form is prominently displayed on or near the primary meter or gas storage vessel, as the case may be, indicating the number and location of secondary meters installed.

PART IV

INSTALLATION PIPEWORK

Safe use of pipes

18.—(1) A person shall not install any installation pipework in any position in which it cannot be used with safety having regard to the position of other pipes, pipe supports, drains, sewers, cables, conduits and electrical apparatus and to any parts of the structure of any premises in which it is installed which might affect its safe use.

(2) Any person who connects any installation pipework to a primary meter installation shall, in any case where electrical cross-bonding may be necessary, inform the responsible person that such cross-bonding should be carried out by a competent person.

Enclosed pipes

19.—(1) A person shall not install any part of any installation pipework in a wall or a floor or standing of solid construction unless it is so constructed and installed as to be protected against failure caused by the movement of the wall, the floor or the standing as the case may be.

(2) A person shall not install any installation pipework so as to pass through a wall or a floor or standing of solid construction from one side to the other unless any part of the pipe within such wall, floor or standing as the case may be—

- (a) takes the shortest practicable route; and

(b) is enclosed in a gastight sleeve and the pipe and the sleeve are so constructed and installed as to prevent, as far as is reasonably practicable having regard to paragraph (1), gas passing along any space between the pipe and the sleeve or between the sleeve and such a wall, floor or standing as the case may be.

(3) A person shall not install any part of any installation pipework in the cavity of a cavity wall unless the pipe is to pass through the wall from one side to the other.

(4) A person shall not install any installation pipework or any service pipework under the foundations of a building or in the ground under the base of a wall or footings unless adequate steps are taken to prevent damage to the installation pipework or service pipework in the event of the movement of those structures or the ground.

(5) Where any installation pipework is not itself contained in a ventilated duct, a person shall not install such installation pipework in any shaft, duct or void which is not adequately ventilated.

Protection of buildings

20. A person shall not install any installation pipework in a way which would impair the structure of a building or impair the fire resistance of any part of its structure.

Clogging precautions

21. A person shall not install any installation pipework in which deposition of liquid or solid matter is likely to occur unless a suitable vessel for the reception of any deposit which may form is fixed to the pipe in a conspicuous and readily accessible position and safe means are provided for the removal of the deposit.

Testing and purging of pipework

22.—(1) Where a person carries out work in relation to any installation pipework which might affect the gastightness of any part of it, he shall immediately thereafter ensure that—

- (a) that part is adequately tested to verify that it is gastight and examined to verify that it has been installed in accordance with these Regulations; and
- (b) after such testing and examination, any necessary protective coating is applied to the joints of that part.

(2) Where gas is being supplied to any premises in which any installation pipework is installed and a person carries out work in relation to the pipework, he shall also ensure that—

- (a) immediately after complying with the provisions of paragraph (1)(a) and (b), purging is carried out throughout all installation pipework through which gas can then flow so as to remove safely all air and gas other than the gas to be supplied;

- (b) immediately after such purging, if the pipework is not to be put into immediate use, it is sealed off at every outlet with the appropriate fitting;
 - (c) if such purging has been carried out through a loosened connection, the connection is retested for gastightness after it has been retightened; and
 - (d) every seal fitted after such purging is tested for gastightness.
- (3) Where gas is not being supplied to any premises in which any installation pipework is installed—
- (a) a person shall not permit gas to pass into the installation pipework unless he has caused such purging, testing and other work as is specified in paragraph (2)(a) to (d) to be carried out;
 - (b) a person who provides a gas supply to those premises shall, unless he complies with sub-paragraph (a), ensure that the supply is sealed off with an appropriate fitting.

Marking of pipework

23.—(1) Any person installing, elsewhere than in any premises or part of premises used only as a dwelling or for living accommodation, a part of any installation pipework which is accessible to inspection shall permanently mark that part in such a manner that it is readily recognisable as part of a pipe for conveying gas.

(2) The responsible person for the premises in which any such part is situated shall ensure that the part continues to be so recognisable so long as it is used for conveying gas.

Large consumers

24.—(1) Where the service pipe to any building having two or more floors to which gas is supplied or (whether or not it has more than one floor) a floor having areas with a separate supply of gas, has an internal diameter of 50 mm or more, a person shall not install any incoming installation pipework supplying gas to any of those floors or areas, as the case may be, unless—

- (a) a valve is installed in the pipe in a conspicuous and readily accessible position; and
- (b) a line diagram in permanent form is attached to the building in a readily accessible position as near as practicable to the primary meter or gas storage vessel, as the case may be, indicating the position of all installation pipework of internal diameter of 25 mm or more, meters, emergency controls, valves and pressure test points of the gas supply systems in the building.

(2) Paragraph (1) shall apply to service pipework as it applies to a service pipe as if for the reference therein to “50 mm or more” there were substituted a reference to “30 mm or more”.

(3) In paragraph (1)(b), “pressure test point” means a gas fitting to which a pressure gauge can be connected.

PART V

GAS APPLIANCES

*Interpretation of Part V***25.** In this Part—

“flue pipe” means a pipe forming a flue but does not include a pipe built as a lining into either a chimney or a gas appliance ventilation duct;

“operating pressure”, in relation to a gas appliance, means the pressure of gas at which it is designed to operate.

Gas appliances — safety precautions

26.—(1) A person shall not install a gas appliance unless it can be used without constituting a danger to any person.

(2) A person shall not connect a flued domestic gas appliance to the gas supply system except by a permanently fixed rigid pipe.

(3) A person shall not install a used gas appliance without verifying that it is in a safe condition for further use.

(4) A person shall not install a gas appliance which does not comply with any statutory provision imposing a prohibition or restriction on the supply of such an appliance on grounds of safety.

(5) A person carrying out the installation of a gas appliance shall not leave it connected to the gas supply unless the appliance can be used safely.

(6) A person shall not install a gas appliance without there being at the inlet to it means of shutting off the supply of gas to the appliance unless the provision of such means is not reasonably practicable.

(7) A person shall not carry out any work in relation to a gas appliance which bears an indication that it conforms to a type approved by any person as complying with safety standards in such a manner that the appliance ceases to comply with those standards.

(8) A person carrying out work in relation to a gas appliance which bears an indication that it so conforms shall not remove or deface the indication.

(9) Where a person performs work on a gas appliance, he shall immediately thereafter examine—

- (a) the effectiveness of any flue;
- (b) the supply of combustion air;
- (c) its operating pressure and heat input; and
- (d) its operation so as to ensure its safe functioning,

and forthwith take all reasonably practicable steps to notify any defect to the responsible person and, where different, the owner of the premises in which the appliance is situated or, where neither is reasonably practicable, the supplier of gas to the appliance.

Flues

27.—(1) A person shall not install a gas appliance to any flue unless the flue is suitable and in a proper condition for the safe operation of the appliance.

(2) A person shall not install a flue pipe so that it enters a brick or masonry chimney in such a way that the seal between the flue pipe and the chimney cannot be inspected.

(3) A person shall not connect a gas appliance to a flue which is surrounded by an enclosure unless that enclosure is so sealed that any spillage of products of combustion cannot pass from the enclosure to any room or internal space other than the room or internal space in which the appliance is installed.

(4) A person shall not install a power operated flue system for a gas appliance unless it safely prevents the operation of the appliance if the draught fails.

Access

28. A person shall not install a gas appliance except in such a manner that it is readily accessible for operation, inspection and maintenance.

Manufacturer's instructions

29. Any person who installs a gas appliance shall leave for the use of the owner or occupier of the premises in which the appliance is installed all instructions provided by the manufacturer and which accompanied the appliance.

Room-sealed appliances

30.—(1) A person shall not install a gas appliance in a room used or intended to be used as a bathroom or a shower room unless it is a room-sealed appliance.

(2) A person shall not install a gas fire, other gas space heater or a gas water heater of more than 14 kilowatt heat input in a room used or intended to be used as sleeping accommodation unless the appliance is a room-sealed appliance.

(3) A person shall not install a gas fire, other gas space heater or a gas water heater of 14 kilowatt heat input or less in a room used or intended to be used as sleeping accommodation unless—

(a) it is a room-sealed appliance; or

(b) it incorporates a safety control designed to shut down the appliance before there is a build up of a dangerous quantity of the products of combustion in the room concerned.

Suspended appliances

31. A person shall not install a suspended gas appliance unless the installation pipework to which it is connected is so constructed and installed as to be capable of safely supporting the weight imposed on it and the appliance is designed to be so supported.

Flue dampers

32.—(1) Any person who installs an automatic damper to serve a gas appliance shall—

- (a) ensure that the damper is so interlocked with the gas supply to the burner that burner operation is prevented in the event of failure of the damper when not in the open position; and
- (b) immediately after installation examine the appliance and the damper to verify that they can be used together safely without constituting a danger to any person.

(2) A person shall not install a manually operated damper to serve a domestic gas appliance.

(3) A person shall not install a domestic gas appliance to a flue which incorporates a manually operated damper unless the damper is permanently fixed in the open position.

Testing of appliances

33.—(1) Where a person installs a gas appliance at a time when gas is being supplied to the premises in which the appliance is installed, he shall immediately thereafter test its connection to the installation pipework to verify that it is gastight and examine the appliance and the gas fittings and other works for the supply of gas and any flue or means of ventilation to be used in connection with the appliance for the purpose of ascertaining whether—

- (a) the appliance has been installed in accordance with these Regulations;
- (b) the operating pressure is as recommended by the manufacturer;
- (c) the appliance has been installed with due regard to any manufacturer's instructions provided to accompany the appliance; and
- (d) all gas safety controls are in proper working order.

(2) Where a person carries out such testing and examination in relation to a gas appliance and adjustments are necessary to ensure compliance with the requirements specified in paragraph (1)(a) to (d), he shall either carry out those adjustments or disconnect the appliance from the gas supply.

(3) Where gas is not being supplied to any premises in which any gas appliance is installed—

- (a) a person shall not subsequently permit gas to pass into the appliance unless he has caused such testing, examination and adjustment as is specified in paragraphs (1) and (2) to be carried out;
- (b) a person who subsequently provides a gas supply to those premises shall, unless he complies with sub-paragraph (a), ensure that the appliance is sealed off from the gas supply with an appropriate fitting.

Unsafe appliances

34.—(1) The responsible person for any premises shall not use or cause or permit the use of a gas appliance if at any time he knows or has reason to suspect—

- (a) that there is insufficient supply of air available for the appliance for proper combustion at the point of combustion;
- (b) that the removal of the products of combustion from the appliance is not being or cannot safely be carried out;
- (c) that the room or internal space in which the appliance is situated is not adequately ventilated for the purpose of providing air containing a sufficiency of oxygen for the persons present in the room, or in, or in the vicinity of, the internal space while the appliance is in use;
- (d) that any gas is escaping from the appliance or from any gas fitting used in connection with the appliance; or
- (e) that the appliance or any part of it or any gas fitting or other works for the supply of gas used in connection with the appliance is so faulty or maladjusted that it cannot be used without constituting a danger to any person.

(2) Any person engaged in carrying out any work in relation to a gas main, service pipe, service pipework, gas storage vessel or gas fitting who knows or has reason to suspect that any defect or other circumstance referred to in paragraph (1) exists shall forthwith take all reasonably practicable steps to inform the responsible person for the premises in which the appliance is situated and, where different, the owner of the appliance or, where neither is reasonably practicable, the supplier of gas to the appliance.

(3) In paragraph (2), the expression "work" shall be construed as if, in the definition of "work" in regulation 2(1), every reference to a gas fitting were a reference to a gas main, service pipe, service pipework, gas storage vessel or gas fitting.

PART VI

MISCELLANEOUS

Maintenance

35.—(1) It shall be the duty of every employer or self-employed person to ensure that any gas appliance or installation pipework installed at any place of work under his control is maintained in a safe condition so as to prevent risk of injury to any person.

(2) It shall be the duty of any person who owns a gas appliance or any installation pipework installed in premises or any part of premises let by him to ensure that such appliance or installation pipework is maintained in a safe condition so as to prevent risk of injury to any person.

(3) Without prejudice to the generality of paragraph (2), a person subject to a duty imposed by that paragraph shall—

- (a) ensure that each appliance to which that duty extends is checked for safety at intervals of not more than 12 months by, or by an employee of, a member of a class of persons approved for the time being by the Department for the purposes of regulation 3(3); and

(b) keep a record in respect of the appliances to which that duty extends of the dates of inspection, the defects identified and any remedial action taken.

(4) The record referred to in paragraph (3)(b) shall be made available upon request and upon reasonable notice for the inspection of any tenant who may be affected by the use or operation of any appliance to which the record relates.

Escape of gas

36.—(1) Where any gas escapes from any pipe of a gas supplier, or from any pipe, other gas fitting or gas storage vessel used by a person supplied with gas by a gas supplier, the supplier of the gas shall, within 12 hours of being so informed of the escape, prevent the gas escaping (whether by cutting off the supply of gas to any premises or otherwise).

(2) If the responsible person for any premises knows or has reason to suspect that gas is escaping into those premises, he shall immediately take all reasonable steps to cause the supply of gas to be shut off at such place as may be necessary to prevent further escape of gas.

(3) If gas continues to escape into those premises after the supply of gas has been shut off or when a smell of gas persists, the responsible person for the premises discovering such escape or smell shall immediately give notice of the escape or smell to the supplier of the gas.

(4) Where an escape of gas has been stopped by shutting off the supply, a person shall not cause or permit the supply to be re-opened (other than in the course of repair) until all necessary steps have been taken to prevent a recurrence of such escape.

(5) In any proceedings for an offence under paragraph (1), it shall be a defence for the supplier of the gas to prove that it was not reasonably practicable for him effectually to prevent the gas from escaping within the period of 12 hours referred to in that paragraph, and that he did effectually prevent the escape of gas as soon as it was reasonably practicable for him to do so.

(6) Nothing in paragraphs (1) and (5) shall prevent the supplier of the gas appointing another person to act on his behalf to prevent an escape of gas supplied by that supplier.

(7) Nothing in paragraphs (1) and (5) shall apply to gas supplied by an undertaker.

Exception as to liability

37. A person shall not be guilty of an offence by reason of contravention of regulation 3(2) or (5), 5(1), 7(3), 15, 16(2) or (3), 17, 30, 33(1) or 35 in any case in which he can show that he took all reasonable steps to prevent that contravention.

Exemption certificates

38.—(1) Subject to paragraph (2), the Department may, by a certificate in writing, exempt any person or class of persons from any requirement or

prohibition imposed by these Regulations, and any such exemption may be granted subject to conditions and to a limit of time and may be revoked at any time by a certificate in writing.

(2) The Department shall not grant any such exemption unless, having regard to the circumstances of the case and in particular to—

- (a) the conditions, if any, which it proposes to attach to the exemption; and
- (b) any other requirement imposed by or under any statutory provision which applies to the case,

it is satisfied that the health and safety of persons likely to be affected by the exemption will not be prejudiced in consequence of it.

Sealed with the Official Seal of the Department of Economic Development on 10th January 1995.

(L.S.)

Philip B. Strong

Assistant Secretary

EXPLANATORY NOTE

(This note is not part of the Regulations.)

These Regulations impose requirements as to the installation and use of gas fittings for the purpose of protecting the public from risks arising from the transmission, distribution, supply or use of gas conveyed from pipes or from a gas storage vessel. Gas fittings are gas pipework, valves, regulators and meters, and fittings, apparatus and appliances designed for use by consumers for heating, lighting, cooking or other purposes but not a service pipe or any part of a distribution main or other pipe upstream of a service pipe. A gas storage vessel is a storage container designed to be filled or re-filled with gas at the place where it is connected for use or a refillable cylinder designed to store gas but not a cylinder or cartridge designed to be disposed of when empty.

The Regulations apply to natural gas, liquefied petroleum gas, coke oven gas, and methane from coal mines etc when these products are "used" (see definition of "gas appliance" in regulation 2(1)). The Regulations do not, however, apply in respect of a mine, quarry, agricultural premises or temporary installations used in connection with any building operation or work of engineering construction except in relation to any part of such premises used for domestic or residential purposes or as sleeping accommodation and except in relation to regulation 36 (escape of gas) (regulation 2(4)). Also, with the exception of regulations 3 and 36, the Regulations do not apply to portable or mobile appliances supplied with gas from a cylinder (see definition of "gas appliance") nor do they apply to the supply of gas to, or anything done in respect of a gas fitting on, specified vessels and vehicles (regulation 2(5)).

Regulations 3 to 10 contain provisions of general application. A person shall not carry out work in relation to a gas fitting or gas storage vessel unless he is competent to do so (regulation 3(1)) and the employer of such a person is required to ensure that this provision is complied with (regulation 3(2)) and also that such person complies with those other provisions of the Regulations which impose duties on that person (regulation 3(5)). An employer is prohibited from allowing his employees to carry out work in relation to a gas fitting or gas storage vessel unless the employer is a member of a class of persons approved by the Department of Economic Development and a self-employed person is also prohibited from carrying out such work unless he is a member of such a class (regulation 3(3)). The approval (and any withdrawal of it) is required to be in writing, and notice of it must be given to such persons and in such manner as the Department considers appropriate (regulation 3(4)). The Regulations prohibit any person from falsely pretending to be a member of a class of persons required to be approved by the Department (regulation 3(6)). Regulation 4 requires employers and self-employed persons to take steps to ensure that any work in relation to a gas fitting carried out at any place of work under their control is undertaken by specified persons. Regulations 5 to 8 and 10 impose requirements on persons installing or working on gas fittings or gas storage vessels. In particular,

regulation 6(7) to (9) requires safety precautions to be taken in respect of gas storage vessels and specified appliances fuelled by liquefied petroleum gas. Regulation 9 prohibits a new supply of gas being given to a building unless there are adequate emergency controls.

Regulations 11 to 17 contain provisions relating to meter installations and regulators. Regulations 12, 13(1), (3) and (4), 14(1) and (4) and 16(1) impose requirements on installers. Regulations 14(2) and (5), 15 and 16(2) and (3) also impose duties on suppliers or transporters of gas or other persons.

Regulations 18 to 24 contain provisions relating to installation pipework. For the most part they impose requirements on persons installing or working on installation pipework. Regulations 22(3) and 23(2) impose requirements on suppliers of gas and those responsible for premises supplied with gas respectively.

Regulations 25 to 34 contain provisions relating to gas appliances. They impose requirements on persons installing, working on or using gas appliances. Regulation 30 imposes restrictions on the type of gas appliance that may be installed in a room used or intended to be used as a bathroom or shower room or in sleeping accommodation. Regulations 33(3) and 34(1) and (2) impose requirements on suppliers of gas, those responsible for premises supplied with gas and persons working on gas mains, service pipes or pipework, gas storage vessels or gas fittings respectively.

Regulations 35 to 38 contain miscellaneous provisions. Regulation 35(1) imposes requirements upon employers and self-employed persons with regard to the maintenance of gas appliances and installation pipework installed at any place of work under their control. Requirements are also imposed on persons who let premises (i) with regard to the maintenance of gas appliances and installation pipework owned by them on those premises (*regulation 35(2) and (3)(a)*); and (ii) with regard to the keeping of records in respect of any gas appliance required to be so maintained (*regulation 35(3)(b) and (4)*). Regulation 36 deals with escapes of gas. Regulation 37 provides, in respect of certain provisions of the Regulations, a defence if the accused can show that he took all reasonable steps to prevent a contravention of the provisions concerned. Regulation 38 provides that the Department of Economic Development, by a certificate in writing may, subject to conditions, grant exemptions from the Regulations.

A person who contravenes the Regulations is guilty of an offence under Article 31 of the Health and Safety at Work (Northern Ireland) Order 1978.