

WELSH STATUTORY INSTRUMENTS

2010 No. 66 (W.16)

WATER, WALES

The Private Water Supplies (Wales) Regulations 2010

<i>Made</i>	- - - -	<i>13 January 2010</i>
<i>Laid before the National Assembly for Wales</i>	- -	<i>14 January 2010</i>
<i>Coming into force</i>	- -	<i>4 February 2010</i>

The Welsh Ministers are designated ^{M1} for the purposes of section 2(2) of the European Communities Act 1972 ^{M2} in relation to the quality of water intended for domestic purposes or for use in food production undertaking.

The Welsh Ministers have carried out the consultation required by Article 9 of Regulation (EC) No.178/2002 of the European Parliament and of the Council laying down the general principles of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety ^{M3}.

The Welsh Ministers make these Regulations in exercise of the powers conferred by section 2(2) of the European Communities Act 1972 and section 67, 77(3) and (4) and 213(2) of the Water Industry Act 1991 ^{M4}.

Marginal Citations

- M1** [S.I. 2004/3328](#), as amended by [S.I. 2005/850](#), [S.I. 2007/1349](#) and [S.I. 2008/301](#). The functions conferred on the National Assembly for Wales by means of that Order are now exercisable by the Welsh Ministers by virtue of section 162 of, and paragraph 30 of Schedule 11 to, the [Government of Wales Act 2006 \(c. 32\)](#).
- M2** [1972 c. 68](#).
- M3** OJ No. L31, 1.2.2002, p. 1.
- M4** [1991 c. 56](#). The functions of the Secretary of State under section 67 were transferred to the National Assembly for Wales (“the Assembly”) — (a) for the making of regulations concerning water supplied using the supply system of a water undertaker, in relation to the supply system of any water undertaker whose area is wholly or mainly in Wales and (b) for the making of regulations concerning water supplied other than using the supply system of a water undertaker, in relation to Wales, by article 2 of, and Schedule 1, to the [National Assembly for Wales \(Transfer of Functions\) Order 1999 \(S.I. 1999/672\)](#)(“the Order”); the functions of the Secretary of State under section 77 of that Act were transferred to the Assembly in relation to Wales by the same provisions of the Order; the functions of the Secretary of State under section 213 of that Act were exercisable by the Assembly to the same extent as the powers to which that section applies were made exercisable by the Assembly by virtue

Status: Point in time view as at 14/04/2016.

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of the same provision of the Order: see the entry in Schedule 1 to the Order for the Water Industry Act 1991 as substituted by paragraph (e) of Schedule 3 to the [National Assembly for Wales \(Transfer of Functions\) Order 2000 \(S.I. 2000/253\)](#) and amended by section 100(2) of the [Water Act 2003 \(c. 37\)](#); there are other amending instruments but none are relevant. Section 213 of that Act was amended by sections 58 and 101(1) of, paragraph 39 of Schedule 7 to, and paragraphs 2, 19 and 49 of Schedule 8 to, the Water Act 2003. References in Schedule 1 to the Order to specific sections of the Water Industry Act 1991 are treated by section 100(6) of the Water Act 2003 as referring to those sections as amended by the Water Act 2003. See section 219(4A) of the Water Industry Act 1991 as inserted by section 101(1) of, and paragraphs 2 and 50 of Schedule 8 to, the Water Act 2003 for the definition of “supply system”. See section 219(1) of Water Industry Act 1991 as amended by section 101(1) of the Water Act 2003 for the definition of “licensed water supplier”. By virtue of section 162 of, and paragraph 30 of Schedule 11 to, the [Government of Wales Act 2006 \(c. 32\)](#), the functions conferred on the Assembly are now exercisable by the Welsh Ministers.

PART 1

Water standards

Title, application and commencement

1. The title of these Regulations is the Private Water Supplies (Wales) Regulations 2010; they apply in relation to Wales and come into force on 4 February 2010.

Scope

2. These Regulations apply in relation to private supplies of water intended for human consumption; and for these purposes “water intended for human consumption” means—

- (a) all water either in its original state or after treatment, intended for drinking, cooking, food preparation or other domestic purposes, regardless of its origin and whether it is supplied from a distribution network, from a tanker, or in bottles or containers;
- (b) all water used in any food-production undertaking for the manufacture, processing, preservation or marketing of products or substances intended for human consumption.

Exemptions

3. These Regulations do not apply in relation to—
 - (a) water to which [^{F1}the Natural Mineral Water, Spring Water and Bottled Drinking Water (Wales) Regulations 2015] apply;
 - (b) water that is a medicinal product within the meaning of the Medicines Act 1968 ^{M5}; or
 - (c) water used solely for washing a crop after it has been harvested and that does not affect the fitness for human consumption of the crop or of any food or drink derived from the crop.

Textual Amendments

- F1** Words in [reg. 3\(a\)](#) substituted (28.11.2015) by [The Natural Mineral Water, Spring Water and Bottled Drinking Water \(Wales\) Regulations 2015 \(S.I. 2015/1867\)](#), [reg. 1\(2\)](#), [Sch. 13 para. 2](#) (with [reg. 3](#))

Marginal Citations

- M5** 1968 c. 67.

Wholesomeness

4. Water supplied to any premises is to be regarded as wholesome if all the following conditions are met—

- (a) it does not contain any micro-organism, parasite or substance, alone or in conjunction with any other substance, at a concentration or value that would constitute a potential danger to human health;
- (b) it complies with the concentrations or values specified in Part 1 of Schedule 1; and
- (c) in the water:

$$\frac{\text{nitrate(mg / l)}}{50} + \frac{\text{nitrite(mg / l)}}{3} \leq 1$$

Disinfection

5.—(1) Where disinfection forms part of the preparation or distribution of water; the relevant person (as defined in section 80 of the Water Industry Act 1991 ^{M6}) must—

- (a) design, operate and maintain the disinfection process so as to keep any contamination from disinfection by-products as low as possible,
 - (b) carry out this process without compromising the performance of the disinfection process,
 - (c) ensure that the performance of the disinfection process is maintained,
 - (d) in order to verify the performance of the disinfection process, keep records of the maintenance undertaken to comply with the requirements of the disinfection process, and
 - (e) keep copies of those records available for inspection by the local authority, for a period of up to five years.
- (2) In this regulation “disinfection” means a process of water treatment to—
- (a) remove; or
 - (b) render harmless to human health,

every pathogenic micro-organism and pathogenic parasite that would otherwise be present in the water.

Marginal Citations

M6 1991 c. 56.

Requirement to carry out a risk assessment

6.—(1) A local authority must carry out a risk assessment within five years of the coming into force of these Regulations, and subsequently every five years (or earlier if deemed necessary or it considers that the existing risk assessment is inadequate) of each private supply that supplies water to any premises in its area (other than a supply to a single dwelling not used for any commercial activity).

(2) It must also carry out a risk assessment of a private supply to a single dwelling in its area not used for any commercial activity if requested to do so by the owner or occupier of that dwelling.

(3) The risk assessment must establish whether there is a significant risk of supplying water that would constitute a potential danger to human health.

Status: Point in time view as at 14/04/2016.

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PART 2

Monitoring

Monitoring

7. A local authority must monitor all private supplies in its area in accordance with this Part when carrying out its duties under section 77(1) of the Water Industry Act 1991 ^{M7}.

Marginal Citations

M7 1991 c. 56.

Further distribution of supplies from water undertakers or licensed water suppliers

8. Where water is supplied by a water undertaker or licensed water supplier and is then further distributed by a person other than a water undertaker or licensed water supplier, any monitoring which the risk assessment shows to be necessary must be carried out.

Large supplies and supplies to commercial or public premises

9. In the case of a private supply (other than that specified in regulation 8) that—
- (a) supplies an average daily volume of water of 10m³ or more, or
 - (b) supplies water to premises where the water is used for a commercial activity or to public premises,

the local authority must monitor in accordance with Schedule 2 and carry out any additional monitoring that the risk assessment shows to be necessary.

Other private supplies

10.—(1) In all cases, other than a private supply to a single dwelling not used for a commercial activity and those to which regulation 8 and 9 apply, the local authority must monitor for—

- (a) conductivity;
- (b) enterococci;
- (c) *Escherichia coli* (*E. coli*);
- (d) hydrogen ion concentration;
- (e) turbidity;
- (f) any parameter in [F²Part 1 or 2 of] Schedule 1 identified in the risk assessment as being at risk of not complying with the concentrations or values in [F³those Parts of] that Schedule; and
- (g) anything else identified in the risk assessment as a potential danger to human health.

(2) It must monitor at least every five years and carry out any additional monitoring that the risk assessment shows to be necessary.

(3) In the case of a private supply to a single dwelling not used for a commercial activity a local authority may monitor the supply in accordance with this regulation, and must do so if requested to do so by the owner or occupier.

Textual Amendments

- F2** Words in [reg. 10\(1\)\(f\)](#) inserted (14.4.2016) by [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016 \(S.I. 2016/411\)](#), [regs. 1\(1\), 2\(a\)](#)
- F3** Words in [reg. 10\(1\)\(f\)](#) inserted (14.4.2016) by [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016 \(S.I. 2016/411\)](#), [regs. 1\(1\), 2\(b\)](#)

[^{F4}Monitoring of radioactive substances: general

10A.—(1) A local authority must monitor each private supply in its area (other than a supply to a single dwelling not used for any commercial or public activity) for the parameters contained in the radioactive substances parameters table in accordance with this regulation and Schedule 2A.

(2) In this regulation and Schedule 2A, “the radioactive substances parameters table” means Table D in Part 3 of Schedule 1.

(3) Where a local authority is satisfied that a parameter in the radioactive substances parameters table is not likely to be present in a supply of water in its area in concentrations which could exceed the prescribed concentration or value for the relevant parameter in that table, the local authority may, for such a time as it sees appropriate, decide to exclude the parameter in question from the monitoring duty in paragraph (1).

(4) A decision under paragraph (3) must be made—

- (a) on the basis of representative surveys, monitoring data or other reliable information (including any risk assessment carried out in accordance with regulation 6); and
- (b) taking into account any guidance issued by the Welsh Ministers.

(5) The local authority must provide the Welsh Ministers with the grounds for its decision under paragraph (3) and the necessary documentation supporting the decision (including the findings of any surveys, monitoring or assessments carried out in accordance with paragraph (4)(a)).

(6) The Welsh Ministers must communicate the grounds for a decision under paragraph (3) to the European Commission with the necessary documentation provided under paragraph (5) supporting the decision.

(7) Where—

- (a) a decision has previously been made under paragraph (3); and
- (b) the local authority is no longer satisfied that the basis for the decision exists,

the exclusion from monitoring under paragraph (3) will no longer apply and the local authority must inform the Welsh Ministers in writing accordingly.

(8) In case of naturally occurring radionuclides, where previous results (including representative surveys, monitoring data or other reliable information) show that the concentration of radionuclides in a supply within a local authority’s area is stable, the minimum sampling and analysis frequencies are to be decided by the local authority, and confirmed by notice in writing to the Welsh Ministers, taking into consideration the risk to human health.

(9) The additional requirements in Part 3 of Schedule 3 apply to monitoring for compliance with the indicative dose parameter.

Textual Amendments

- F4** [Regs. 10A, 10B](#) inserted (14.4.2016) by [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016 \(S.I. 2016/411\)](#), [regs. 1\(1\), 3](#)

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Monitoring of radioactive substances: supplies to a single dwelling not used for a commercial or public activity

10B. In the case of a private supply to a single dwelling not used for a commercial or public activity, a local authority may monitor the supply for the parameters contained in Table D in Part 3 of Schedule 1 in accordance with Schedule 2A and Part 3 of Schedule 3, and must do so if requested to do so by the owner or occupier.]

Textual Amendments

F4 Regs. 10A, 10B inserted (14.4.2016) by [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016 \(S.I. 2016/411\)](#), regs. 1(1), 3

Sampling and analysis

- 11.**—(1) When a local authority monitors a private supply it must take a sample—
- (a) if the water is supplied for domestic purposes, from a tap normally used to supply water for human consumption, and which, if there is more than one tap, is representative of the water supplied to the premises;
 - (b) if the water is used in a food-production undertaking, at the point at which it is used in the undertaking;
 - (c) if the water is supplied from a tanker, at the point at which it emerges from the tanker;
 - (d) in any other case at a suitable point.
- (2) It must then ensure that the sample is analysed.
- (3) Schedule 3 makes further provision for sampling and analysis.

Maintenance of records

12. A local authority must make and keep records in respect of every private supply in its area in accordance with Schedule 4.

Notification of information

- 13.** By 31 July 2010, and by 31 January each following year, every local authority must—
- (a) send the Chief Inspector of Drinking Water for Wales a copy of the records in Schedule 4; and
 - (b) upon request, send the Welsh Ministers a copy of those records.

PART 3

Action in the event of failure

Provision of information

- 14.** If the local authority considers that a private supply in its area is a potential danger to human health it must take appropriate steps to ensure that people likely to consume water from it—
- (a) are informed that the supply constitutes a potential danger to human health;
 - (b) where possible, are informed of the degree of the potential danger; and

- (c) are given advice to allow them to minimise any such potential danger.

Investigation

15. A local authority must carry out an investigation to establish the cause if it suspects that the supply is unwholesome or that an indicator parameter does not comply with the concentrations or values in Part 2 of Schedule 1.

Procedure following investigation

16.—(1) Once a local authority has carried out an investigation and established the cause of the water being unwholesome, it must act in accordance with this regulation.

(2) If the cause of the unwholesome water is in the pipework within a single dwelling, it must promptly inform the people supplied and offer them advice on measures necessary for the protection of human health.

(3) Otherwise, if it cannot solve the problem informally the local authority—

- (a) may on application grant an authorisation in accordance with regulation 17(2) if the conditions in that regulation are fulfilled; and
- (b) if it does not grant such an authorisation, must (or, in the case of a supply to a single dwelling, may) serve a notice, either in accordance with section 80 of the Water Industry Act 1991 ^{M8} or under regulation 18 if the conditions in that regulation are fulfilled.

Marginal Citations

M8 1991 c. 56.

Authorisations of different standards

17.—(1) Any person may apply to a local authority for the grant of an authorisation under this regulation.

(2) A local authority may grant an authorisation of different standards under this regulation if—

- (a) the only cause of the unwholesome water is that a parameter in Table B of Part 1 of Schedule 1 (chemical parameters) is not complied with;
- (b) the local authority has consulted all water users who will be affected by the authorisation and [^{F5}the Public Health Wales National Health Service Trust] and has taken their views into account;
- (c) granting the authorisation does not cause a potential danger to human health;
- (d) the supply of water cannot be maintained by any other reasonable means.

(3) An authorisation must require the applicant to take action over a period of time to ensure that the necessary parameters are complied with, and must specify—

- (a) the person to whom the authorisation is granted;
- (b) the supply concerned;
- (c) the grounds for granting the authorisation;
- (d) the parameters concerned, previous relevant monitoring results, and the maximum permissible values under the authorisation;
- (e) the geographical area, the estimated quantity of water supplied each day, the number of persons supplied and whether or not any food-production undertaking is affected;

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- (f) an appropriate monitoring scheme, with an increased monitoring frequency where necessary;
 - (g) a summary of the plan for the necessary remedial action, including a timetable for the work and an estimate of the cost and provisions for reviewing progress;
 - (h) the duration of the authorisation.
- (4) If a local authority grants an authorisation, and the person to whom it is granted takes action in accordance with the timetable specified in the authorisation, the local authority may not serve a notice under section 80 of the Water Industry Act 1991 concerning the matters specified in the authorisation without first amending or revoking the authorisation.
- (5) The duration of the authorisation must be as short as possible and in any event may not exceed three years.
- (6) The local authority must ensure that people supplied are promptly informed of the authorisation and its conditions and, where necessary, ensure that advice is given to particular groups for which the authorisation could present a special risk.
- (7) If the supply exceeds 1,000 m Δ a day as an average or serves more than 5,000 persons the local authority must send a copy of the authorisation to the Chief Inspector of Drinking Water for Wales and the Welsh Ministers within one month.
- (8) The local authority must keep the progress of the remedial action under review.
- (9) If necessary, it may grant a second authorisation for up to a further three years with the prior consent of the Welsh Ministers, but if it does so it must, as soon as is reasonably practicable, send a copy of the authorisation together with the grounds for its decision to the Chief Inspector of Drinking Water for Wales and the Welsh Ministers.
- (10) It may revoke or amend the authorisation at any time, and in particular may revoke or amend it if the timetable for remedial action has not been adhered to.

Textual Amendments

- F5** Words in [reg. 17\(2\)\(b\)](#) substituted (1.4.2013) by [The National Treatment Agency \(Abolition\) and the Health and Social Care Act 2012 \(Consequential, Transitional and Saving Provisions\) Order 2013 \(S.I. 2013/235\)](#), art. 1(2), [Sch. 2 para. 142\(2\)](#)

PART 4

Notice procedure

Notices

18.—(1) If any private supply of water intended for human consumption constitutes a potential danger to human health, a local authority acting under these Regulations must serve a notice under this regulation on the relevant person (as defined in section 80 of the Water Industry Act 1991 ^{M9}) instead of a notice under that section.

- (2) The notice must —
 - (a) identify the private supply to which it relates;
 - (b) state the grounds for serving the notice;
 - (c) prohibit or restrict the use of that supply;
 - (d) specify what other action is necessary to protect human health.

(3) The local authority must promptly inform consumers of the notice and provide any necessary advice.

(4) The notice may be subject to conditions and may be amended by further notice at any time.

(5) The local authority must revoke the notice as soon as there is no longer a potential danger to human health.

(6) It is an offence to breach a notice served under this regulation or fail to comply with it.

Marginal Citations

M9 1991 c. 56.

Appeals

19.—(1) Any person who is aggrieved by a notice served under regulation 18 may appeal to a magistrates' court within 28 days of service of the notice.

(2) The procedure on an appeal to a magistrates' court under paragraph (1) is by way of complaint, and the Magistrates' Courts Act 1980^{M10} applies to the proceedings.

(3) A notice remains in force unless suspended by the court.

(4) On an appeal, the court may either cancel the notice or confirm it, with or without modification.

Marginal Citations

M10 1980 c. 43; sections 51 and 52 have been substituted by the Courts Act 2003 (c. 39), section 47.

Penalties

20.—(1) A person failing to comply with a notice served under regulation 18 is liable—

(a) on summary conviction, to a fine not exceeding the statutory maximum or to a term of imprisonment not exceeding three months or both, or

(b) on conviction on indictment, to a fine or to imprisonment for a term not exceeding two years or both.

(2) Where a body corporate is guilty of an offence under these Regulations, and that offence is proved to have been committed with the consent or connivance of, or to have been attributable to any neglect on the part of—

(a) any director, manager, secretary or other similar person of the body corporate; or

(b) any person who was purporting to act in any such capacity,

that person is guilty of the offence as well as the body corporate.

(3) For the purposes of paragraph (2) above, “director”, in relation to a body corporate whose affairs are managed by its members, means a member of the body corporate.

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PART 5

Miscellaneous

Fees

21. Schedule 5 makes provision for fees.

Revocation

22. The Private Water Supplies Regulations 1991 ^{M11} are revoked in relation to Wales.

Marginal Citations

M11 [S.I. 1991/2790](#).

Jane Davidson
Minister for Environment, Sustainability and
Housing, one of the Welsh Ministers

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SCHEDULE 1

Regulations 4, 10, 15 and 17

Concentrations or Values

PART 1

Wholesomeness

TABLE A: MICROBIOLOGICAL PARAMETERS**Prescribed concentrations or values**

<i>Parameters</i>	<i>Maximum concentration or value</i>	<i>Units of Measurement</i>
<i>Escherichia coli (E. coli)</i>	0	Number/100ml
Enterococci	0	Number/100ml
In the case of water in bottles or containers:		
<i>Escherichia coli (E.coli)</i>	0	Number/250ml
Enterococci	0	Number/250ml
<i>Pseudomonas aeruginosa</i>	0	Number/250ml
Colony count 22°C	100	Number/ml
Colony count 37°C	20	Number/ml

TABLE B: CHEMICAL PARAMETERS**Prescribed concentrations or values**

<i>Parameters</i>	<i>Maximum concentration or value</i>	<i>Units of Measurement</i>
Acrylamide ¹	0.10	µg/l
Antimony	5.0	µg/l
Arsenic	10	µg/l
Benzene	1.0	µg/l
Benzo(a)pyrene	0.010	µg/l
Boron	1.0	mg/l
Bromate	10	µg/l
Cadmium	5.0	µg/l
Chromium	50	µg/l
Copper	2.0	mg/l
Cyanide	50	µg/l

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1, 2 dichloroethane	3.0	µg/l
Epichlorohydrin ¹	0.10	µg/l
Fluoride	1.5	mg/l
Lead	25 (until 25th December 2013)	µg/l
	10 (from 25th December 2013)	µg/l
Mercury	1.0	µg/l
Nickel	20	µg/l
Nitrate ²	50	mg/l
Nitrite ²	0.5 (or 0.1 in the case of treatment works)	mg/l
Pesticides ³ —		
Aldrin	0.030	µg/l
Dieldrin	0.030	µg/l
Heptachlor	0.030	µg/l
Heptachlor epoxide	0.030	µg/l
Other pesticides	0.10	µg/l
Pesticides total ⁴	0.50	µg/l
Polycyclic aromatic hydrocarbons ⁵	0.10	µg/l
Selenium	10	µg/l
Tetrachloroethene and Trichloroethene ⁶	10	µg/l
Trihalomethanes: Total ⁷	100	µg/l
Vinyl chloride ¹	0.50	µg/l

¹ The parametric value refers to the residual monomer concentration in the water as calculated according to specifications of the maximum release from the corresponding polymer in contact with the water. This is controlled by product specification.

² See also the nitrate-nitrite formula in regulation 4(c).

³

For these purposes “Pesticides” means:

- organic insecticides
- organic herbicides
- organic fungicides
- organic nematocides
- organic acaricides
- organic algicides
- organic rodenticides
- organic slimicides

related products (inter alia, growth regulators) and their relevant metabolites, degradation and reaction products.

Only those pesticides likely to be present in a given supply need be monitored.

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⁴ “Pesticides total” means the sum of the concentrations of the individual pesticides detected and quantified in the monitoring process.

⁵

The specified compounds are:

benzo(b)fluoranthene
benzo(k)fluoranthene
benzo(ghi)perylene
indeno(1,2,3-cd)pyrene.

The parametric value applies to the sum of the concentrations of the individual compounds detected and quantified in the monitoring process.

⁶ The parametric value applies to the sum of the concentrations of the individual compounds detected and quantified in the monitoring process.

⁷

The specified compounds are:

chloroform
bromoform
dibromochloromethane
bromodichloromethane.

The parametric value applies to the sum of the concentrations of the individual compounds detected and quantified in the monitoring process.

National requirements — Prescribed concentrations or values

<i>Parameters</i>	<i>Maximum concentration or value</i>	<i>Units of Measurement</i>
Aluminium	200	µg/l
Colour	20	mg/l Pt/Co
Iron	200	µg/l
Manganese	50	µg/l
Odour	Acceptable to consumers and no abnormal change	
Sodium	200	mg/l
Taste	Acceptable to consumers and no abnormal change	
Tetrachloromethane	3	µg/l
Turbidity	4	NTU

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PART 2

Indicator Parameters

TABLE C

Prescribed concentrations, values or states

<i>Parameters</i>	<i>Maximum concentration or value or state (unless otherwise stated)</i>	<i>Units of measurement</i>
Ammonium	0.50	mg/l
Chloride ¹	250	mg/l
<i>Clostridium perfringens</i> (including spores)	0	Number/100ml
Coliform bacteria	0	Number/100ml (Number/250ml in the case of water put into bottles or containers)
Colony counts	No abnormal change	Number/ml at 22°C
	No abnormal change	Number/ml at 37°C
Conductivity ¹	2500	µS/cm at 20°C
Hydrogen ion	9.5 (maximum)	pH value
	6.5 (minimum) (in the case of still water put into bottles or containers the minimum is 4.5)	pH value
Sulphate ¹	250	mg/l
F7	F7	F7
...
Total organic carbon (TOC)	No abnormal change	mgC/l
F8	F8	F8
...
Turbidity ³	1	NTU

¹ The water should not be aggressive.

F6

...

³ Only in the case of surface water or groundwater that has been influenced by surface water.

Textual Amendments

F6 Words in Sch. 1 Pt. 2 omitted (14.4.2016) by virtue of [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016 \(S.I. 2016/411\)](#), regs. 1(1), 4(c)

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- F7** Words in Sch. 1 Pt. 2 omitted (14.4.2016) by virtue of [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016 \(S.I. 2016/411\)](#), regs. 1(1), **4(a)**
- F8** Words in Sch. 1 Pt. 2 omitted (14.4.2016) by virtue of [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016 \(S.I. 2016/411\)](#), regs. 1(1), **4(b)**

[^{F9}PART 3

Radioactive substances parameters

Textual Amendments

- F9** Sch. 1 Pt. 3 inserted (14.4.2016) by [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016 \(S.I. 2016/411\)](#), reg. 1(1), **Sch. 1**

TABLE D

Parametric values for radon, tritium and ID of water intended for human consumption

<i>Parameters</i>	<i>Maximum concentration or value</i>	<i>Units of measurement</i>
Indicative dose (for radioactivity)	0,10	mSv
Radon	100	Bq/l
Tritium (for radioactivity)	100	Bq/l

(i) Enforcement action by the local authority is deemed justified on radiological protection grounds without further consideration where radon concentrations exceed 1,000 Bq/l.

(ii) If tritium concentration exceeds its parametric value, an investigation (which may include analysis) of the presence of artificial radionuclides must be carried out.]

SCHEDULE 2

Regulation 9

Monitoring

PART 1

Check monitoring

Sampling

- 1.—(1) A local authority must undertake check monitoring in accordance with this Part.
- (2) Check monitoring means sampling for each parameter listed in Table 1 in the circumstances listed in that table in order—
- to determine whether or not water complies with the concentrations or values in Schedule 1;
 - to provide information on the organoleptic and microbiological quality of the water; and

Status: Point in time view as at 14/04/2016.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Private Water Supplies (Wales) Regulations 2010 (revoked). Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details)

(c) to establish the effectiveness of the treatment of the water, including disinfection.

Table 1

Check monitoring

<i>Parameter</i>	<i>Circumstances</i>
Aluminium	When used as flocculant or where the water originates from, or is influenced by, surface waters
Ammonium	In all supplies
<i>Clostridium perfringens</i> (including spores) waters	Where the water originates from, or is influenced by, surface
Coliform bacteria	In all supplies
Colony counts	In all supplies
Colour	In all supplies
Conductivity	In all supplies
<i>Escherichia coli</i> (<i>E. coli</i>)	In all supplies
Hydrogen ion concentration	In all supplies
Iron	When used as flocculant or where the water originates from, or is influenced by, surface waters
Manganese	Where the water originates from, or is influenced by, surface waters
Nitrate	When chloramination is practised
Nitrite	When chloramination is practised
Odour	In all supplies
<i>Pseudomonas aeruginosa</i>	Only in the case of water in bottles or containers
Taste	In all supplies
Turbidity	In all supplies

Frequency of sampling

2.—(1) Sampling must be carried out at frequencies specified in Table 2.

Table 2

Sampling frequency for check monitoring

<i>Volume m³/day</i>	<i>Sampling frequency per year</i>
≤ 10	1
> 10 ≤ 100	2

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> 100 ≤ 1,000	4
> 1,000 ≤ 2,000	10
> 2,000 ≤ 3,000	13
> 3,000 ≤ 4,000	16
> 4,000 ≤ 5,000	19
> 5,000 ≤ 6,000	22
> 6,000 ≤ 7,000	25
> 7,000 ≤ 8,000	28
> 8,000 ≤ 9,000	31
> 9,000 ≤ 10,000	34
> 10,000	4 + 3 for each 1,000 m ³ /day of the total volume (rounding up to the nearest multiple of 1,000 m ³ /day)

(2) The local authority may reduce the frequency of sampling for a parameter to a frequency not less than half if—

- (a) the local authority is of the opinion that the quality of water in the supply is unlikely to deteriorate;
- (b) in the case of hydrogen ion the parameter has had a pH value that is not less than 6.5 and not more than 9.5; and
- (c) in all other cases, in each of two successive years the results of samples taken for the purposes of monitoring the parameter in question are constant and significantly lower than the concentrations or values laid down in Schedule 1.

(3) The local authority may set a higher frequency for any parameter if it considers it appropriate taking into account the findings of any risk assessment, and in addition may monitor anything else identified in the risk assessment.

(4) Notwithstanding the provisions in sub-paragraph (2) above, there must be a minimum of 1 sample per year.

PART 2

Audit monitoring

Sampling

3.—(1) A local authority must undertake audit monitoring in accordance with this Part.

(2) Audit monitoring means sampling for each parameter listed in [F10Part 1 or 2 of] Schedule 1 (other than parameters already being sampled under check monitoring) in order to provide information necessary to determine whether or not the private supply satisfies each concentration, value or state specified in [F11either of those Parts of] that Schedule and, if disinfection is used, to check that disinfection by-products are kept as low as possible without compromising the disinfection.

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- (3) The local authority may, for such time as it may decide, exclude a parameter from the audit monitoring of a private supply—
- (a) if it considers that the parameter in question is unlikely to be present in the supply or system at a concentration or value that poses a risk of the private supply failing to meet the concentration, value or state specified in [^{F12}Part 1 or 2 of] Schedule 1 in respect of that parameter;
 - (b) taking into account the findings of any risk assessment; and
 - (c) taking into account any guidance issued by the Welsh Ministers.
- (4) It may monitor anything else identified in the risk assessment.

Textual Amendments

- F10** Words in Sch. 2 para. 3(2) inserted (14.4.2016) by The Private Water Supplies (Wales) (Amendment) Regulations 2016 (S.I. 2016/411), regs. 1(1), **6(a)(i)**
- F11** Words in Sch. 2 para. 3(2) inserted (14.4.2016) by The Private Water Supplies (Wales) (Amendment) Regulations 2016 (S.I. 2016/411), regs. 1(1), **6(a)(ii)**
- F12** Words in Sch. 2 para. 3(3)(a) inserted (14.4.2016) by The Private Water Supplies (Wales) (Amendment) Regulations 2016 (S.I. 2016/411), regs. 1(1), **6(b)**

Frequency of sampling

- 4.—(1) Sampling must be carried out at the frequencies specified in Table 3.

Table 3

Sampling frequency for audit monitoring

<i>Volume m³/day</i>	<i>Sampling frequency per year</i>
≤ 10	1
> 10 ≤ 3,300	2
> 3,300 ≤ 6,600	3
> 6,600 ≤ 10,000	4
> 10,000 ≤ 100,000	3 + 1 for each 10,000 m ³ /day of the total volume (rounding up to the nearest multiple of 10,000 m ³ /day)
> 100,000	10 + 1 for each 25,000 m ³ /day of the total volume (rounding up to the nearest multiple of 25,000 m ³ /day)

- (2) The local authority may set a higher frequency for any parameter if it considers it appropriate taking into account the findings of any risk assessment.

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PART 3

Minimum frequency for both check monitoring and audit monitoring for water put into bottles or containers

<i>Volume¹ of water produced in bottles or containers each day (m³)</i>	<i>Check monitoring number of samples per year</i>	<i>Audit monitoring number of samples per year</i>
≤ 10	1	1
>10≤60	12	1
> 60	1 for each 5 m ³ /day of the total volume (rounding up to the nearest multiple of 5 m ³ /day)	1 for each 100 m ³ /day of the total volume (rounding up to the nearest multiple of 100 m ³ /day)

¹ The volumes are calculated as averages taken over a calendar year.

[^{F13}SCHEDULE 2A

Regulation 10A

Monitoring of radioactive substances

Textual Amendments

F13 Sch. 2A inserted (14.4.2016) by [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016](#) (S.I. 2016/411), reg. 1(1), **Sch. 2**

Radon

1.—(1) In relation to the radon parameter in the radioactive substances parameters table, a local authority—

- (a) must ensure that a representative survey is carried out in accordance with subparagraph (2) to determine the likelihood of a supply failing to comply with the relevant parametric concentration or value specified in the radioactive substances parameters table; and
 - (b) must carry out monitoring where there is reason to believe, on the basis of the results of the representative surveys or other reliable information, including any risk assessment carried out in accordance with regulation 6, that the parametric value for the radon parameter laid down in the radioactive substances parameters table might be exceeded.
- (2) A representative survey must be designed in such a way—
- (a) as to be capable of determining the scale and nature of likely exposure to radon in water intended for human consumption originating from different types of groundwater sources and wells in different geological areas; and
 - (b) that underlying parameters, especially the geology and hydrology of the area, radioactivity of rock or soil, and well type, can be identified and used to direct further action to areas of likely high exposure.

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Tritium

2.—(1) In relation to the tritium parameter in the radioactive substances parameters table, a local authority—

- (a) must carry out monitoring where an anthropogenic source of tritium or other artificial radionuclides is present within the catchment area and it cannot be shown on the basis of other surveillance programmes or investigations, including any risk assessment carried out in accordance with regulation 6, that the level of tritium is below the parametric value listed in the radioactive substances parameters table; and
 - (b) must carry out an investigation of the presence of other artificial radionuclides if the concentration of tritium exceeds the parametric value listed in the radioactive substances parameters table.
- (2) Where monitoring is required by sub-paragraph (1)—
- (a) it must be carried out at the frequencies as set out for audit monitoring in Table 3 in Part 2 of Schedule 2; or
 - (b) it must (in the case of a private water supply falling within the scope of regulation 10(1)) be carried out at least every five years or more frequently if the risk assessment referred to under sub-paragraph (1)(a) shows this to be necessary.

Indicative Dose

3.—(1) In relation to the indicative dose (“ID”) parameter in the radioactive substances parameters table, a local authority must carry out monitoring where a source of artificial radioactivity or elevated natural radioactivity is present and it cannot be shown on the basis of other surveillance programmes or investigations, including any risk assessment carried out in accordance with regulation 6, that the level of ID is below the parametric value listed the radioactive substances parameters table.

- (2) Where monitoring is required by sub-paragraph (1) in relation to artificial radionuclides—
- (a) it must be carried out at the frequencies as set out for audit monitoring in Table 3 in Part 2 of Schedule 2;
 - (b) it must (in the case of a private water supply falling within the scope of regulation 10(1)) be carried out at least every five years and more frequently if the risk assessment shows this to be necessary.
- (3) Where monitoring is required by sub-paragraph (1) in relation to a source of elevated natural radioactivity—
- (a) the local authority—
 - (i) may decide the frequency of monitoring in its area depending on the screening strategy adopted by the authority; and
 - (ii) must notify the Welsh Ministers in writing of its decision under sub-paragraph (i); and
 - (b) the frequency of monitoring decided under sub-paragraph (a)(i) may vary from a single check measurement to the frequencies as set out for audit monitoring in Table 3 in Part 2 of Schedule 2.
- (4) Where a local authority decides under sub-paragraph (3) that a single check measurement for natural radioactivity is appropriate, the local authority must carry out a further check if any change occurs in relation to the supply which is likely to influence the concentrations of radionuclides in the supply.

Water treatment

4. Where treatment to reduce the level of radionuclides in a private water supply has been undertaken, the local authority must monitor the supply for total indicative dose, radon and tritium in accordance the provisions of this Part and the frequencies as set out for audit monitoring in Table 3 in Part 2 of Schedule 2 to verify the continued efficacy of that treatment.

Averaging

5. Where a parametric value in the radioactive substances parameters table is exceeded in relation to a particular sample taken by a local authority, the Welsh Ministers must specify, by notice in writing to the local authority, the extent of resampling necessary to ensure that the measured values are representative of an average activity concentration for a full year.]

SCHEDULE 3

Regulation 11

Sampling and analysis

PART 1

General

Samples: general

- 1.—(1) The local authority must ensure that each sample is—
 - (d) taken by a competent person using suitable equipment;
 - (e) representative of the water at the sampling point at the time of sampling;
 - (f) not contaminated in the course of being taken;
 - (g) kept at such temperature and in such conditions as will secure that there is no material change in what is to be measured; and
 - (h) analysed without delay by a competent person using suitable equipment.
- (2) It must ensure that the sample is analysed using a system of analytical quality control.
- (3) The system must be subjected to checking by a person who is—
 - (a) not under the control of either the analyst or the local authority; and
 - (b) approved by the Welsh Ministers for that purpose.

Analysing samples

2.—(1) The local authority must ensure that each sample is analysed in accordance with this paragraph.

(2) For each parameter specified in the first column of Table 1 in Part 2 of this Schedule the method of analysis is specified in the second column of that table.

(3) For each parameter specified in the first column of Table 2 in Part 2 of this Schedule the method is one that is capable of—

- (a) measuring concentrations and values with the trueness and precision specified in the second and third columns of that table, and

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- (b) detecting the parameter at the limit of detection specified in the fourth column of that table.
- (4) For hydrogen ion, the method of analysis must be capable of measuring a value with a trueness of 0.2 pH unit and a precision of 0.2 pH unit.
- (5) The method of analysis used for odour and taste parameters must be capable of measuring values equal to the parametric value with a precision of 1 dilution number at 25°C.
- (5) For these purposes—
 - “limit of detection” is —
 - (a) three times the relative within-batch standard deviation of a natural sample containing a low concentration of the parameter; or
 - (b) five times the relative within-batch standard deviation of a blank sample;
 - “precision” (the random error) is twice the standard deviation (within a batch and between batches) of the spread of results about the mean;
 - “trueness” (the systematic error) is the difference between the mean value of the large number of repeated measurements and the true value.

Authorisation of alternative methods of analysis

- 3.—(1) The Welsh Ministers may authorise a method different from that set out in paragraph 2(2) if satisfied that it is at least as reliable.
- (2) An authorisation may be time-limited and may be revoked at any time.

Sampling and analysis by persons other than local authorities

- 4.—(1) A local authority may enter into an arrangement for any person to take and analyse samples on its behalf.
- (2) A local authority must not enter into an arrangement under paragraph (1) unless—
 - (a) it is satisfied that the task will be carried out promptly by a person competent to perform it, and
 - (b) it has made arrangements that ensure that any breach of these Regulations is communicated to it immediately, and any other result is communicated to it within 28 days.

PART 2

Analytical methods

Table 1

Prescribed methods of analysis

<i>Parameter</i>	<i>Method</i>
<i>Clostridium perfringens</i> (including spores)	Membrane filtration followed by anaerobic incubation of the membrane on m-CP agar* at 44 ± 1°C for 21 ± 3 hours. Count opaque yellow colonies that turn pink or red after exposure to ammonium hydroxide vapours for 20 to 30 seconds.
Coliform bacteria	BS-EN ISO 9308-1

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Colony count 22°C — enumeration of culturable microorganisms	BS-EN ISO 6222
Colony count 37°C — enumeration of culturable microorganisms	BS-EN ISO 6222
Enterococci BS-EN ISO 7899-2	
<i>Escherichia coli</i> (E. coli)	BS-EN ISO 9308-1
<i>Pseudomonas aeruginosa</i>	BS-EN-ISO 12780

Use the following method to make m-CP agar :

Make a basal medium consisting of—

Tryptose	30.0g
Yeast extract	20.0g
Sucrose	5.0g
L-cysteine hydrochloride	1.0g
MgSO ₄ .7H ₂ O	0.1g
Bromocresol purple	40.0mg
Agar	15.0g
Water	1,000.0ml

Dissolve the ingredients of the basal medium, adjust pH to 7.6 and autoclave at 121°C for 15 minutes. Allow the medium to cool.

Dissolve—

D-cycloserine	400.0mg
Polymyxine-B sulphate	25.0mg
Indoxyl-β-D-glucoside	60.0mg

into 8ml sterile water and add it to the medium.

Add to the medium—

Filter-sterilised 0.5% phenolphthalein diphosphate solution	20.0ml
Filter-sterilised 4.5% FeCl ₃ .6H ₂ O	2.0ml

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Table 2

Prescribed performance characteristics for methods of analysis

<i>Parameters</i>	<i>Trueness % of prescribed concentration or value or specification</i>	<i>Precision % of prescribed concentration or value or specification</i>	<i>Limit of detection % of prescribed concentration or value or specification</i>
Aluminium	10	10	10
Ammonium	10	10	10
Antimony	25	25	25
Arsenic	10	10	10
Benzene	25	25	25
Benzo(a)pyrene	25	25	25
Boron	10	10	10
Bromate	25	25	25
Cadmium	10	10	10
Chloride	10	10	10
Chromium	10	10	10
Colour	10	10	10
Conductivity	10	10	10
Copper	10	10	10
Cyanide ¹	10	10	10
1,2-dichloroethane	25	25	10
Fluoride	10	10	10
Iron	10	10	10
Lead	10	10	10
Manganese	10	10	10
Mercury	20	10	20

Notes:

¹ The method of analysis should determine total cyanide in all forms.

² The performance characteristics apply to each individual pesticide and will depend on the pesticide concerned.

³ The performance characteristics apply to the individual substances specified at 25% of the parametric value in Part I of Table B in Schedule 1.

⁴ The performance characteristics apply to the individual substances specified at 50% of the parametric value in Part I of Table B in Schedule 1.

⁵ The performance characteristics apply to the prescribed value of 4 NTU.

⁶ The performance characteristics apply to the specification of 1 NTU for surface waters or ground waters influenced by surface water.

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Nickel	10	10	10
Nitrate	10	10	10
Nitrite	10	10	10
Pesticides and related products ²	25	25	25
Polycyclic aromatic hydrocarbons ³	25	25	25
Selenium	10	10	10
Sodium	10	10	10
Sulphate	10	10	10
Tetrachloroethene ⁴	25	25	10
Tetrachloromethane	20	20	20
Trichloroethene ⁴	25	25	10
Trihalomethanes:			
Total ³	25	25	10
Turbidity ⁵	10	10	10
Turbidity ⁶	25	25	25

Notes:

¹ The method of analysis should determine total cyanide in all forms.

² The performance characteristics apply to each individual pesticide and will depend on the pesticide concerned.

³ The performance characteristics apply to the individual substances specified at 25% of the parametric value in Part I of Table B in Schedule 1.

⁴ The performance characteristics apply to the individual substances specified at 50% of the parametric value in Part I of Table B in Schedule 1.

⁵ The performance characteristics apply to the prescribed value of 4 NTU.

⁶ The performance characteristics apply to the specification of 1 NTU for surface waters or ground waters influenced by surface water.

[^{F14}PART 3

Monitoring for indicative dose and analytical performance characteristics

Textual Amendments

F14 Sch. 3 Pt. 3 inserted (14.4.2016) by [The Private Water Supplies \(Wales\) \(Amendment\) Regulations 2016](#) (S.I. 2016/411), reg. 1(1), **Sch. 3**

Status: Point in time view as at 14/04/2016.

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Monitoring for compliance with the indicative dose

5. A local authority may use reliable screening strategies to indicate the presence of radioactivity in water intended for human consumption.
6. The strategies referred to in paragraph 5 may include screening for–
 - (a) certain radionuclides or individual radionuclide; or
 - (b) gross alpha activity or gross beta activity (where appropriate gross beta activity may be replaced by residual beta activity after subtraction of the K-40 activity concentration).

Screening for certain radionuclides, or screening for an individual radionuclide

7. If one of the activity concentrations exceeds 20% of the corresponding derived value or the tritium concentration exceeds its parametric value listed in Part 3 of Schedule 1 an analysis of additional radionuclides is required.
8. A local authority must, in deciding which radionuclides require to be measured for each supply, take into account all relevant information about likely sources of radioactivity.

Screening strategies for gross alpha activity and gross beta activity

9. Subject to paragraph 10 the recommended screening values are–
 - (a) 0,1Bq/l for gross alpha activity; and
 - (b) 1,0Bq/l for gross beta activity.
10. If the gross alpha activity exceeds 0,1Bq/l or the gross beta activity exceeds 1,0Bq/l, analysis for specific radionuclides is required.
11. The Welsh Ministers may set alternative screening levels for gross alpha activity and gross beta activity where it can be demonstrated by the local authority that the alternative levels are in compliance with an indicative dose of 0,1 mSv.
12. The radionuclides to be measured must be based on all relevant information about likely sources of radioactivity.

Calculation of the indicative dose

12. The indicative dose must be calculated from–
 - (a) the measured radionuclide concentrations and the dose coefficients laid down in Annex III, Table A of Directive 96/29/Euratom; or
 - (b) more recent information recognised by the Welsh Ministers, on the basis of the annual intake of water (730 l for adults).
13. Where the following formula is satisfied, it can be assumed that the indicative dose is less than the parametric value of 0,1 mSv and no further investigation is required–

$$\sum_{i=1}^n C_i(\text{obs})/C_i(\text{der}) \leq 1$$

where:

- $C_i(\text{obs})$ = observed concentration of radionuclide i
- $C_i(\text{der})$ = derived concentration of radionuclide i
- n = number of radionuclides detected.

Status: Point in time view as at 14/04/2016.

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Derived concentrations for radioactivity in water intended for human consumption

<i>Origin</i>	<i>Nuclide</i>	<i>Derived concentration</i>
Natural	U-238	3,0 Bq/l
	U-234	2,8 Bq/l
	Ra-226	0,5 Bq/l
	Ra-228	0,2 Bq/l
	Pb-210	0,2 Bq/l
	Po-210	0,1 Bq/l
	Artificial	C-14
	Sr-90	4,9 Bq/l
	Pu-239/Pu-240	0,6 Bq/l
	Am-241	0,7 Bq/l
	Co-60	40 Bq/l
	Cs-134	7,2 Bq/l
	Cs-137	11 Bq/l
	I-131	6,2 Bq/l

(1) This table includes values for the most common natural and artificial radionuclides; these are precise values, calculated for a dose of 0,1 mSv, an annual intake of 730 litre and using the dose coefficients laid down in Annex III, Table A of Directive 96/29/ Euratom; derived concentrations for other radionuclides can be calculated on the same basis, and values can be updated on the basis of more recent information recognised by the Welsh Ministers.

(2) This table allows only for the radiological properties of uranium, not for its chemical toxicity.

Performance characteristics and methods of analysis

14. For the following parameters and radionuclides, the method of analysis used must, as a minimum, be capable of measuring activity concentrations with a limit of detection specified below:

<i>Parameters and radionuclides</i>	<i>Limit of detection</i>	<i>Notes</i>
Tritium	10 Bq/l	
Radon	10 Bq/l	
gross alpha	0,04 Bq/l	
gross beta	0,4 Bq/l	
U-238	0,02 Bq/l	
U-234	0,02 Bq/l	
Ra-226	0,04 Bq/l	
Ra-228	0,02 Bq/l	
Pb-210	0,02 Bq/l	
Po-210	0,01 Bq/l	

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C-14	20 Bq/l	
Sr-90	0,4 Bq/l	
Pu-239/Pu-240	0,04 Bq/l	
Am-241	0,06 Bq/l	
Co-60	0,5 Bq/l	
Cs-134	0,5 Bq/l	
Cs-137	0,5 Bq/l	
I-131	0,5 Bq/l	

(Note 1) The limit of detection must be calculated according to the ISO standard 11929: Determination of the characteristic limits (decision threshold, detection limit, and limits of confidence interval) for measurements of ionising radiation – Fundamentals and application, with probabilities of errors of 1st and 2nd kind of 0,05 each.

(Note 2) Measurement uncertainties must be calculated and reported as complete standard uncertainties, or as expanded uncertainties with an expansion factor of 1,96 according the ISO Guide for the Expression of Uncertainty in Measurement.

(Note 3) The limit of detection for tritium and for radon is 10% of its parametric value of 100 Bq/l.

(Note 4) The limit of detection for gross alpha activity and gross beta activities are 40% of the screening values of 0,1 and 1,0 Bq/l respectively.

(Note 5) This limit of detection applies only to initial screening for indicative dose for a new water source; if initial checking indicates that it is not plausible that Ra-228 exceeds 20% of the derived concentration, the limit of detection may be increased to 0,08 Bq/l for routine Ra-228 nuclide specific measurements, until a subsequent re-check is required.]

SCHEDULE 4

Regulations 12 and 13

Records

Initial records

1.—(1) A local authority must, before [], record the number of private supplies in its area, and for each supply must record—

- (a) the name of the supply, together with a unique identifier;
- (b) the type of source;
- (c) the geographical location using a grid reference;
- (d) an estimate of the number of people supplied;
- (e) an estimate of the average daily volume of water supplied in cubic metres;
- (f) the type of premises supplied;
- (g) detail of any treatment process, together with its location;

^{F15}(h)

- (2) It must review and update the record at least once a year.
- (3) It must keep the record for at least 30 years.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to *The Private Water Supplies (Wales) Regulations 2010* (revoked). Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details)

Textual Amendments

F15 Sch. 4 para. 1(1)(h) omitted (1.4.2013) by virtue of [The National Treatment Agency \(Abolition\) and the Health and Social Care Act 2012 \(Consequential, Transitional and Saving Provisions\) Order 2013](#) (S.I. 2013/235), art. 1(2), [Sch. 2 para. 142\(3\)](#)

Additional records

2.—(1) For each supply it must record, within 28 days of each of the following taking place—

- (a) a plan and description of the supply;
- (b) the monitoring programme for the supply;
- (c) the risk assessment;
- (d) the date, results and location of any sampling and analysis relating to that supply, and the reason for taking the sample;
- (e) the results of any investigation undertaken in accordance with these Regulations;
- (f) any authorisation;
- (g) any notices served under section 80 of the Water Industry Act 1991, or regulation 18;
- (h) any action agreed to be taken by any person under these Regulations;
- (i) any request for the local authority to carry out sampling and analysis, undertake a risk assessment or give advice;
- (j) a summary of any advice given in relation to the supply.

(2) It must keep the risk assessment and records of sampling and analysis for at least thirty years, and all other records under this paragraph for at least five years.

SCHEDULE 5

Regulation 21

Fees

Fee

1. The local authority may charge a fee, payable on invoice, for the activities in the following table, and the fee is the reasonable cost of providing the service subject to the following maximum amounts.

<i>Service</i>	<i>Maximum fee (£)</i>
Risk assessment (each assessment):	500
Sampling (each visit) ¹ :	100
Investigation (each investigation):	100
Granting an authorisation (each authorisation):	100
Analysing a sample— taken under regulation 10:	25

¹ No fee is payable where a sample is taken and analysed solely to confirm or clarify the results of the analysis of a previous sample.

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taken during check monitoring:	100
taken during audit monitoring:	500

¹ No fee is payable where a sample is taken and analysed solely to confirm or clarify the results of the analysis of a previous sample.

Persons liable to pay

2.—(1) Any person requesting anything under these Regulations is liable for the cost.

(2) Otherwise fees are payable, as specified in the invoice, by the relevant person as defined in section 80(7) of the Water Industry Act 1991.

(3) Where more than one person is liable, in determining who is required to make payment the local authority—

- (a) may apportion the charge between them; and
- (b) must have regard to any agreement or other document produced to the local authority relating to the terms on which water is supplied.

EXPLANATORY NOTE

(This note is not part of the Regulations)

These Regulations implement Council Directive 98/83/EC on the quality of water intended for human consumption (OJ No. 330, 5.12.1998, p. 32) in relation to private water supplies. A “private supply” is defined in section 93(1) of the Water Industry Act 1991 as a supply that is provided otherwise than by a water undertaker or a licensed water supplier.

Part 1 of the Regulations makes miscellaneous provision in relation to water standards for private supplies. It defines the circumstances in which water is to be regarded as “wholesome” (regulation 4 and Schedule 1). It also sets out the requirements which apply where water is disinfected (regulation 5) and imposes a duty on each local authority to carry out a risk assessment of every private supply in its area (regulation 6).

Part 2 of the Regulations places a duty on local authorities to monitor private supplies (regulations 7 to 10 and Schedule 2) and to ensure that each sample taken is analysed in the ways set out in Schedule 3 (regulation 11). It also requires the local authority to make and maintain records for every water supply in its area (regulation 12 and Schedule 4) and to send a copy of the records to the Drinking Water Inspectorate and the Welsh Ministers (regulation 13).

Part 3 of the Regulations sets out the procedures to be followed if the water is not wholesome. It requires local authorities to provide information to those people likely to consume the water (regulation 14) and to carry out an investigation (regulation 15). If the cause of the unwholesome water is in the pipework within a single dwelling local authorities must offer advice on measures necessary for the protection of human health. Otherwise, if it is not possible to solve the problem informally, local authorities may, in defined circumstances, grant an authorisation of different standards. If such an authorisation is not granted local authorities must (or, in the case of a supply to a single dwelling, may) serve improvement notices requiring the supply to be made wholesome (regulations 16 and 17).

Part 4 of the Regulations requires a notice to be served on the “relevant person” (as defined in section 80 of the Water Industry Act 1991) if any supply constitutes a potential danger to human

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health (regulation 18) and makes provision for appeals and penalties in connection with such notices (regulations 19 and 20).

Part 5 of the Regulations makes provision for the payment of fess (regulation 21 and Schedule 5) and revokes the Private Water Supplies Regulations 1991 (S.I. 1991/2790) in relation to Wales (regulation 22).

A full impact assessment has been prepared for these Regulations. A copy can be obtained from the Climate Change and Water Division of the Welsh Assembly Government, Cathays Park, Cardiff, CF10 3NQ.

Status:

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