SCOTTISH STATUTORY INSTRUMENTS

2010 No. 95

The Water Quality (Scotland) Regulations 2010

Amendment of the Water Supply (Water Quality) (Scotland) Regulations 2001

14.—(1) Schedule 3 to the 2001 Regulations is amended in accordance with paragraphs (2) to (4).

(2) For Table 2 substitute—

TABLE 2

ANNUAL SAMPLING FREQUENCIES: WATER SUPPLY ZONES

(1) *Substances and parameters*	*(2)* *Estimated population* *of water supply zone*	*(3)* *Reduced*	*(4)* *Standard*
Subject to check monitoring			
E. coli	< 100 ≥ 100	– –	4
Coliform bacteria			12 per 5,000
Residual disinfectant			population[(i)]
Aluminium[(+)]	< 100 100-4,999 5,000-9,999	1 2 6	2 4 12
Ammonium			
Clostridium Perfringens (including spores)[(*)(+)]			
Colony counts			
Colour			
Conductivity[(*)]			

(+) See regulation 6(2) and Table 1 in Schedule 3

(*) Sampling for these parameters may be within water supply zones or at supply points as specified in Table 3, subject to note (ii) and (iii) below.

(i) Where the population is not an exact multiple of 5,000, the population figure should be rounded up to the nearest multiple of 5,000.

(ii) Audit monitoring in water supply zones is required only where sodium hypochlorite is added after water has left the treatment works. In other circumstances, audit monitoring is required at supply points.

(iii) To monitor for total indicative dose (for radioactivity).

(1) *Substances and parameters*	*(2)* *Estimated population* *of water supply zone*	*(3)* *Reduced*	*(4)* *Standard*
Hydrogen ion	10,000-29,999	12	24
Iron(+)	30,000-49,999	18	36
Manganese(+)	50,000-79,999	26	52
Nitrate(+)	80,000-100,000	38	76
Nitrite(+)			
Odour			
Taste			
Turbidity			
Subject to audit monitoring			
Antimony	< 100	–	1
Arsenic	100-4,999	–	4
Benzene(*)	5,000-100,000	–	8
Benzo(a)pyrene			
Boron(*)			
Bromate(ii)(*)			
Cadmium			
Chromium			
Copper			
Cyanide(*)			
1,2 dichloroethane(*)			
Enterococci			
Fluoride(*)			
Lead			

(+) See regulation 6(2) and Table 1 in Schedule 3

(*) Sampling for these parameters may be within water supply zones or at supply points as specified in Table 3, subject to note (ii) and (iii) below.

(i) Where the population is not an exact multiple of 5,000, the population figure should be rounded up to the nearest multiple of 5,000.

(ii) Audit monitoring in water supply zones is required only where sodium hypochlorite is added after water has left the treatment works. In other circumstances, audit monitoring is required at supply points.

(iii) To monitor for total indicative dose (for radioactivity).

(1) *Substances and parameters*	*(2)* *Estimated population* *of water supply zone*	*(3)* *Reduced*	*(4)* *Standard*
Mercury(*)			
Nickel			
Pesticides(*)			
PAH			
Selenium			
Sodium			
Trichloroethene/ Tetrachloroethene(*)			
Tetrachloromethane(*)			
THM			
Chloride(*)			
Sulphate(*)			
Total Organic Carbon(*)			
Tritium(*)			
Gross alpha(iii)(*)			
Gross beta(iii)(*)			

Notes:

(+) See regulation 6(2) and Table 1 in Schedule 3

(*) Sampling for these parameters may be within water supply zones or at supply points as specified in Table 3, subject to note (ii) and (iii) below.

(i) Where the population is not an exact multiple of 5,000, the population figure should be rounded up to the nearest multiple of 5,000.

(ii) Audit monitoring in water supply zones is required only where sodium hypochlorite is added after water has left the treatment works. In other circumstances, audit monitoring is required at supply points.

(iii) To monitor for total indicative dose (for radioactivity).

(3) For Table 3 substitute—

TABLE 3

ANNUAL SAMPLING FREQUENCIES: SUPPLY POINTS

(1) *Item*	*(2)* *Substances and parameters*	*(3)* *Volume of water supplied m3/d*	*(4)* *Reduced*	*(5)* *Standard*
Subject to check monitoring				
1.	*Clostridium Perfringens* (including spores)[(i)]	< 20	–	2
		20–999	2	4
2.	Conductivity	1,000-1,999	6	12
		2,000-5,999	12	24
		6,000-9,999	18	36
		10,000-15,999	26	52
		16,000-32,999	52	104
		33,000-49,999	78	156
		50,000-67,999	104	208
		68,000-84,999	130	260
		85,000-101,999	156	312
		102,000-119,999	183	365
		120,000-241,999	365	730
		242,000-484,999	730	1,460
		485,000-728,999	1,095	2,190
Subject to audit monitoring				
3.	Benzene			
4.	Boron			
5.	Bromate[(ii)]			
6.	Cyanide			
7.	1,2 dichloroethane	< 20		1
8.	Fluoride	20-999		4
9.	Mercury	1,000-49,999		8
10.	Pesticides	50,00-89,999		12
11.	Trichloroethene/Tetrachloroethene	90,000-299,999		24

(i) Check monitoring is required only in respect of surface waters (see regulation 6(2) and Table 1 in Schedule 3), otherwise audit monitoring.

(ii) Audit monitoring at supply points is permitted only where sodium hypochlorite is not added after water has left the treatment works. In other circumstances, audit monitoring is required in water supply zones.

(iii) To monitor for total indicative dose (for radioactivity).

(1) *Item*	*(2)* *Substances and parameters*	*(3)* *Volume of water supplied m3/d*	*(4)* *Reduced*	*(5)* *Standard*
12.	Tetrachloromethane	300,000-649,999		36
13.	Chloride	≥ 650,000		48
14.	Sulphate			
15.	Total organic carbon			
16.	Tritium			
17.	Gross alpha[iii]			
18.	Gross beta[iii]			

Notes:

(i) Check monitoring is required only in respect of surface waters (see regulation 6(2) and Table 1 in Schedule 3), otherwise audit monitoring.

(ii) Audit monitoring at supply points is permitted only where sodium hypochlorite is not added after water has left the treatment works. In other circumstances, audit monitoring is required in water supply zones.

(iii) To monitor for total indicative dose (for radioactivity).

(4) For Table 4 substitute—

TABLE 4

ANNUAL SAMPLING FREQUENCIES: WATER TREATMENT WORKS

(1) *Item*	*(2)* *Substances and parameters*	*(3)* *Volume of water supplied m3/d*	*(4)* *Reduced*	*(5)* *Standard*
Subject to check monitoring				
1.	*E. coli*	< 20	–	4
2.	Coliform bacteria	20–1,999	12	52
3.	Colony counts	2,000–5,999	52	104
4.	Residual disinfectant	6,000–11,999	104	208
		≥12,000	104	365
5.	Nitrite[i]	< 20	–	2
6.	Turbidity	20-999	2	4
		1,000-1,999	6	12
		2,000-5,999	12	24
		6,000-9,999	18	36

(i) Check monitoring at treatment works is required only when chloramination is practised. In other circumstances, audit monitoring is required.

(1) *Item*	*(2)* *Substances and parameters*	*(3)* *Volume of water supplied m3/d*	*(4)* *Reduced*	*(5)* *Standard*
		10,000-15,999	26	52
		16,000-32,999	52	104
		33,000-49,999	78	156
		50,000-67,999	104	208
		68,000-84,999	130	260
		85,000-101,999	156	312
		102,000-119,999	183	365
		120,000-241,999	365	730
		242,000-484,999	730	1,460
		485,000-728,999	1,095	2,190
Subject to audit monitoring				
7.	Nitrite[(i)]	< 20		1
		20–999		4
		1,000–49,999		8
		50,000–89,999		12
		90,000–299,999		24
		300,000–649,999		36
		≥650,000		48

Notes:

(i) Check monitoring at treatment works is required only when chloramination is practised. In other circumstances, audit monitoring is required.