

HWSA PFOS/PFOA Sampling Results

This table shows the results of laboratory tests for PFOS and PFOA in the HWSA water supply wells currently in service and includes test results on water purchased from North Wales Water Authority (NWWA) and Aqua.

Well No.	Sample Collection Date	PFOS Result (ppb ¹)	PFOA Result (ppb ¹)	Combined PFOS PFOA total concentration (ppb ¹)	Combined PFOS PFOA Health Advisory issued 5/19/16 (ppb ¹) ²
1	6/24/2014	ND ³	ND ³	ND ³	0.07
1	12/5/2014	ND ³	ND ³	ND ³	0.07
1	12/15/2015	0.0061	0.0120	0.0181	0.07
1	5/10/2016	0.0068	0.0075	0.0143	0.07
2	6/25/2014	ND ³	ND ³	ND ³	0.07
2	12/12/2014	ND ³	ND ³	ND ³	0.07
2	12/15/2015	0.0160	0.0170	0.0330	0.07
2	5/10/2016	0.0180	0.0100	0.0280	0.07
3	6/25/2014	ND ³	ND ³	ND ³	0.07
3	12/10/2014	ND ³	ND ³	ND ³	0.07
3	12/15/2015	0.0033	0.0074	0.0107	0.07
3	5/10/2016	0.0070	0.0061	0.0131	0.07
4	6/25/2014	ND ³	ND ³	ND ³	0.07
4	12/8/2014	ND ³	ND ³	ND ³	0.07
4	12/15/2015	0.0084	0.0091	0.0175	0.07
4	5/10/2016	0.0100	0.0063	0.0163	0.07
7	7/3/2014	ND ³	ND ³	ND ³	0.07
7	12/12/2014	ND ³	ND ³	ND ³	0.07
7	12/15/2015	ND ⁵	0.0050	0.0050	0.07
7	5/10/2016	ND ⁵	0.0031	0.0031	0.07
9	6/25/2014	ND ³	ND ³	ND ³	0.07
9	12/12/2014	ND ³	ND ³	ND ³	0.07
9	12/15/2015	0.0057	0.0076	0.0133	0.07
9	5/10/2016	0.0051	0.0045	0.0096	0.07
19	6/24/2014	ND ³	ND ³	ND ³	0.07
19	12/8/2014	ND ³	ND ³	ND ³	0.07
19	12/15/2015	0.0064	0.0092	0.0156	0.07
19	5/10/2016	0.0078	0.0063	0.0141	0.07
20	6/24/2014	ND ³	ND ³	ND ³	0.07
20	12/12/2014	ND ³	ND ³	ND ³	0.07
20	12/15/2015	0.0120	0.0140	0.0260	0.07
20	5/10/2016	0.0110	0.0090	0.0200	0.07
22	7/24/2014	ND ³	ND ³	ND ³	0.07
22	12/8/2014	ND ³	ND ³	ND ³	0.07
22	12/15/2015	0.0084	0.0150	0.0234	0.07
22	5/10/2016	0.0100	0.0094	0.0194	0.07
Aqua Interconnect ⁸	7/11/2014	ND ³	ND ³	ND ³	0.07
Aqua Interconnect ⁸	9/24/2014	ND ³	ND ³	ND ³	0.07
Aqua Interconnect ⁸	12/12/2014	ND ³	ND ³	ND ³	0.07
Aqua Interconnect ⁸	3/19/2015	ND ³	ND ³	ND ³	0.07
Aqua Interconnect	4/13/2016	0.0075	0.0044	0.0119	0.07
NWWA Interconnect ⁸	7/11/2014	ND ³	ND ³	ND ³	0.07
NWWA Interconnect ⁸	9/24/2014	ND ³	ND ³	ND ³	0.07
NWWA Interconnect ⁸	12/10/2014	ND ³	ND ³	ND ³	0.07
NWWA Interconnect ⁸	3/19/2015	ND ³	ND ³	ND ³	0.07
NWWA Interconnect	4/13/2016	ND ⁶	ND ⁷	ND	0.07

¹ Parts Per Billion - equivalent to ug/L (micrograms per liter). Lab results are reported in parts per billion

² The Health Advisory was issued on May 19, 2016 as 70 parts per trillion. This is equivalent to .07 parts per billion

³ ND - Not Detected - Results below laboratory minimum reporting limit of 0.04 ppb for PFOS & 0.02 ppb for PFOA

⁴ ND - Not Detected - Results below laboratory minimum reporting limit of 0.03 ppb for PFOA

⁵ ND - Not Detected - Results below laboratory minimum reporting limit of 0.0025 ppb for PFOS

⁶ ND - Not Detected - Results below laboratory minimum reporting limit of 0.004 ppb for PFOS

⁷ ND - Not Detected - Results below laboratory minimum reporting limit of 0.002 ppb for PFOA

⁸ samples were collected at a distribution site representative of the interconnect

blue text indicates EPA UCMR3 compliance sample (Unregulated Contaminant Monitoring Rule)

HWSA PFOS/PFOA Sampling Results

This table shows the results of laboratory tests for PFOS and PFOA in the HWSA water supply wells taken out of service due to PFC contamination. Wells #26 and #40 were taken out of service in July 2014 after the initial test results were received. Wells #10, #17 and #21 were taken out of service on May 19, 2016 after the EPA issued new health advisory guidelines for PFOS and PFOA.

Well No.	Sample Collection Date	PFOS Result (ppb ¹)	PFOA Result (ppb ¹)	Combined PFOS PFOA total concentration (ppb ¹)	Combined PFOS PFOA Health Advisory issued 5/19/16 (ppb ¹) ²	
10	6/24/2014	0.0410	0.0200	0.0610	0.07	
10	8/28/2014	0.0430	0.0220	0.0650	0.07	
10	11/5/2014	0.0300	0.0250	0.0550	0.07	
10	12/9/2014	0.0450	0.0260	0.0710	0.07	Well #10 Taken out of Service 5/19/2016
10	1/28/2015	0.0240	0.0200	0.0440	0.07	
10	2/25/2015	0.0250	0.0210	0.0460	0.07	
10	4/15/2015	0.0220	0.0200	0.0420	0.07	
10	5/28/2015	0.0410	0.0190	0.0600	0.07	
10	6/18/2015	0.0400	0.0190	0.0590	0.07	
10	7/23/2015	0.0140	0.0140	0.0280	0.07	
10	8/13/2015	0.0230	0.0220	0.0450	0.07	
10	9/24/2015	0.0240	0.0250	0.0490	0.07	
10	10/14/2015	0.0210	0.0170	0.0380	0.07	
10	11/23/2015	0.0230	0.0230	0.0460	0.07	
10	12/15/2015	0.0220	0.0180	0.0400	0.07	
10	1/19/2016	0.0410	0.0180	0.0590	0.07	
10	2/12/2016	0.0190	0.0140	0.0330	0.07	
10	3/16/2016	0.0200	0.0480	0.0680	0.07	
10	4/13/2016	0.0160	0.0120	0.0280	0.07	
10	5/10/2016	0.0300	0.0150	0.0450	0.07	
17	6/24/2014	0.0740	0.0230	0.0970	0.07	Well #17 Taken out of Service 5/19/2016
17	8/28/2014	0.0860	0.0240	0.1100	0.07	
17	11/5/2014	0.0610	0.0270	0.0880	0.07	
17	12/9/2014	0.0970	0.0260	0.1230	0.07	
17	1/28/2015	0.0620	0.0270	0.0890	0.07	
17	2/25/2015	0.0600	0.0240	0.0840	0.07	
17	3/25/2015	0.0530	0.0230	0.0760	0.07	
17	4/15/2015	0.0590	0.0240	0.0830	0.07	
17	5/28/2015	0.0940	0.0240	0.1180	0.07	
17	6/18/2015	0.0800	ND ⁴	0.0800	0.07	
17	7/23/2015	0.0960	0.0260	0.1220	0.07	
17	8/13/2015	0.0680	0.0290	0.0970	0.07	
17	9/24/2015	0.0690	0.0300	0.0990	0.07	
17	10/14/2015	0.0810	0.0260	0.1070	0.07	
17	11/23/2015	0.0490	0.0220	0.0710	0.07	
17	12/15/2015	0.0600	0.0270	0.0870	0.07	
17	1/19/2016	0.0770	0.0200	0.0970	0.07	
17	2/12/2016	0.0500	0.0200	0.0700	0.07	
17	3/16/2016	0.0780	0.0240	0.1020	0.07	
17	4/13/2016	0.1000	0.0230	0.1230	0.07	
17	5/10/2016	0.0710	0.0200	0.0910	0.07	
21	6/24/2014	0.1400	ND ³	0.1400	0.07	Well #21 Taken out of Service 5/19/2016
21	8/28/2014	ND ³	ND ³	ND ³	0.07	
21	12/9/2014	ND ³	ND ³	ND ³	0.07	
21	1/28/2015	0.0050	0.0096	0.0146	0.07	
21	2/25/2015	0.0049	0.0100	0.0149	0.07	
21	3/25/2015	0.0052	0.0096	0.0148	0.07	
21	4/15/2015	0.0051	0.0100	0.0151	0.07	
21	5/28/2015	0.0100	0.0097	0.0197	0.07	
21	6/18/2015	0.0098	0.0096	0.0194	0.07	
21	7/23/2015	0.0130	0.0140	0.0270	0.07	
21	8/13/2015	0.0064	0.0120	0.0184	0.07	
21	9/24/2015	0.0057	0.0110	0.0167	0.07	
21	10/14/2015	0.0066	0.0120	0.0186	0.07	
21	11/23/2015	0.0058	0.0100	0.0158	0.07	
21	12/15/2015	0.0058	0.0120	0.0178	0.07	
21	1/19/2016	0.0140	0.0120	0.0260	0.07	
21	2/12/2016	0.0051	0.0084	0.0135	0.07	
21	3/16/2016	0.0110	0.0130	0.0240	0.07	
21	4/13/2016	0.0140	0.0110	0.0250	0.07	
21	5/10/2016	0.0089	0.0084	0.0173	0.07	
						Well #26 Taken out of Service 7/30/14
26	6/24/2014	0.7000	0.2900	0.9900	0.07	
						Well #40 Taken out of Service 7/30/14
40	6/24/2014	1.0000	0.0630	1.0630	0.07	