



Charlotte Water
 South Summit Avenue Notice of Deficiency – Action Plan
 Water Quality Monitoring Results

Location	Date	pH	Temperature	Free Chlorine	Turbidity	Iron	Location	Test Results Meet Target?	Further Action Needed?
		Units: SU Target result: 7.8 – 9.2	Units: Degrees Celsius	Units: mg/L Target result: 0.2 – 2.0	Units: NTU Target result: Less than 1.0	Units: mg/L Target result: Less than 0.30			
521 S. Summit Avenue	5/16/16	8.14	21.8	1.19	0.35	0.06	meter	Yes	
620 S. Summit Avenue	5/16/16	8.40	21.8	1.16	0.32	0.06	meter	Yes	
513 S. Summit Avenue	6/7/16	8.49	26.4	1.04	0.64	0.12	meter	Yes	No
	6/10/16*			1.30	0.20		meter	Yes	No
	6/14/16	8.50	28.4	1.13	0.69	0.07	meter	Yes	No
	6/17/16*			1.34	0.24		meter	Yes	No
	6/22/16	8.26	27.1	1.09	0.40	0.48	meter	No	Yes***
	6/22/16	8.40	27.5	1.10	0.39	0.05	meter	Yes	No
	6/24/16			1.45	0.20		meter	Yes	No
	6/24/16	8.35	27.1	1.14	0.44	<0.05(1)	meter	Yes	No
	6/28/16	8.50	27.7	0.83	0.43	0.06	meter	Yes	No
500 S. Summit Avenue	7/1/16*			1.29	0.16		sampling station	Yes	No
	7/5/16	8.08	29.9	1.31	0.61	0.03	sampling station	Yes	No
	7/8/16			1.30	0.24		sampling station	Yes	No
	7/12/16	8.49	29.5	0.47	0.39	0.06	sampling station	Yes	No
	7/15/16			1.35	0.16		sampling station	Yes	No
	7/19/16	8.11	30.0	0.88	0.33	0.07	sampling station	Yes	No
	7/22/16			1.30	0.15		sampling station	Yes	No
	7/26/16	8.23	30.4	0.81	0.38	0.03	sampling station	Yes	No
	7/29/16			1.33	0.14		sampling station	Yes	No
	8/2/16	8.19	30.3	1.12	0.34	0.04	sampling station	Yes	No
	8/5/16			1.27	0.22		sampling station	Yes	No
	8/9/16	8.20	29.3	1.17	0.51	0.03	sampling station	Yes	No
	8/12/16			1.31	0.19		sampling station	Yes	No
8/16/16	8.30	29.6	1.14	0.35	0.03	sampling station	Yes	No	

500 S. Summit Avenue	8/19/16			1.31	0.20		sampling station	Yes	No
	8/23/16	8.36	29.5	1.02	0.25	0.05	sampling station	Yes	No
	8/26/16			1.34	0.16		sampling station	Yes	No
	8/30/16	8.35	29.1	1.14	0.38	0.05	sampling station	Yes	No
	9/1/16			1.18	0.15		sampling station	Yes	No
	9/6/16	8.39	29.0	1.10	0.29	0.04	sampling station	Yes	No
	9/9/16			1.31	0.18		sampling station	Yes	No
	9/13/16	8.36	27.4	1.17	0.18	0.03	sampling station	Yes	No
	9/16/16			1.30	0.16		sampling station	Yes	No
	9/20/16	8.27	27.5	1.21	0.44	0.01	sampling station	Yes	No
	9/23/16			1.29	0.16		sampling station	Yes	No
	9/27/16	8.15	25.9	1.10	0.18	0.08	sampling station	Yes	No
	9/30/16			1.33	0.15		sampling station	Yes	No
	10/4/16	8.22	25.8	1.14	0.18	0.02	sampling station	Yes	No
	10/7/16			1.24	0.17		sampling station	Yes	No
	10/11/16	8.19	22.0	1.15	0.17	0.01	sampling station	Yes	No
	10/14/16			1.43	0.33		sampling station	Yes	No
	10/18/16	8.26	22.6	1.17	0.37	0.04	sampling station	Yes	No
	10/21/16			1.34	0.18		sampling station	Yes	No
	10/25/16	8.19	21.2	1.38	0.27	0.01	sampling station	Yes	No
10/28/16			1.43	0.16		sampling station	Yes	No	
11/1/16	8.24	20.8	1.23	0.27	0.06	sampling station	Yes	No	
11/4/16			1.37	0.25		sampling station	Yes	No	
11/08/16	8.25	19.5	1.13	0.32	0.08	sampling station	Yes	No	
11/10/16			1.43	0.23		sampling station	Yes	No	

500 S. Summit Avenue	11/15/16	8.76	17.5	1.15	0.68	0.03	sampling station	Yes	No
	11/17/16			1.40	0.22		sampling station	Yes	No
	11/23/16			1.46	0.30		sampling station	Yes	No
	11/23/16	8.12	16.1	1.16	0.88	0.07	sampling station	Yes	No
	11/29/16	8.00	15.9	1.04	0.53	0.05	sampling station	Yes	No
	12/2/16			1.39	0.40		sampling station	Yes	No
	12/6/16	8.07	14.9	1.10	0.28	0.01	sampling station	Yes	No
	12/9/16			1.39	0.25		sampling station	Yes	No
401 Grandin Road	6/7/16	8.50	26.2	1.13	0.78	0.06	meter	Yes	No
	6/10/16*			1.37	0.16		meter	Yes	No
	6/14/16	8.27	28.8	1.11	0.69	0.06	meter	Yes	No
	6/17/16*			1.40	0.18		meter	Yes	No
	6/22/16	8.21	26.7	1.00	0.70	0.02	meter	Yes	No
	6/24/16*			1.46	0.22		spigot	Yes	No
	6/28/16	8.38	27.6	1.06	0.31	0.01	meter	Yes	No
504 Grandin Road	7/1/16*			1.28	0.13		sampling station	Yes	No
	7/5/16	8.05	30.1	1.20	3.42	0.33 (2)	sampling station	No	Yes
	7/5/16	8.15	30.3	1.22	0.48	0.03	sampling station	Yes	No
	7/5/16					<0.05 (1)	sampling station	Yes	No
	7/8/16			1.30	0.15		sampling station	Yes	No
	7/12/16	8.40	28.8	1.29	0.25	0.06	sampling station	Yes	No
	7/15/16			1.35	0.12		sampling station	Yes	No
	7/19/16	8.10	29.9	1.09	0.34	0.06	sampling station	Yes	No
	7/22/16			1.32	0.13		sampling station	Yes	No
	7/26/16	8.04	30.4	1.23	0.30	0.03	sampling station	Yes	No
	7/29/16			1.34	0.17		sampling station	Yes	No
	8/2/16	8.08	29.5	1.10	0.27	0.06	sampling station	Yes	No
8/5/16			1.28	0.17		sampling station	Yes	No	

504 Grandin Road	8/9/16	8.07	30.2	1.21	0.36	0.04	sampling station	Yes	No
	8/12/16			1.31	0.14		sampling station	Yes	No
	8/16/16	8.04	29.6	1.15	0.40	0.06	sampling station	Yes	No
	8/19/16			1.33	0.31		sampling station	Yes	No
	8/23/16	7.96	29.5	1.08	0.26	0.02	sampling station	Yes	No
	8/26/16			1.35	0.16		sampling station	Yes	No
	8/30/16	8.20	29.0	1.25	0.24	0.03	sampling station	Yes	No
	9/1/16			1.16	0.18		sampling station	Yes	No
	9/6/16	8.30	29.1	1.14	0.19	0.04	sampling station	Yes	No
	9/9/16			1.34	0.19		sampling station	Yes	No
	9/13/16	8.11	28.3	1.23	0.19	0.03	sampling station	Yes	No
	9/16/16			1.33	0.13		sampling station	Yes	No
	9/20/16	8.22	27.5	1.12	0.30	0.02	sampling station	Yes	No
	9/23/16			1.32	0.15		sampling station	Yes	No
	9/27/16	8.38	26.6	1.16	0.24	0.05	sampling station	Yes	No
	9/30/16			1.34	0.15		sampling station	Yes	No
	10/4/16	8.26	26.1	1.13	0.38	0.00	sampling station	Yes	No
	10/7/16			1.25	0.17		sampling station	Yes	No
	10/11/16	8.14	21.9	1.12	0.23	0.02	sampling station	Yes	No
	10/14/16			1.43	0.16		sampling station	Yes	No
10/18/16	8.16	22.9	1.13	0.34	0.04	sampling station	Yes	No	

504 Grandin Road	10/21/16			1.36	0.15		sampling station	Yes	No
	10/25/16	8.16	21.3	1.37	0.23	0.02	sampling station	Yes	No
	10/28/16			1.44	0.13		sampling station	Yes	No
	11/1/16	8.12	20.7	1.27	0.20	0.0	sampling station	Yes	No
	11/4/16			1.40	0.19		sampling station	Yes	No
	11/8/16	8.21	19.8	1.11	0.36	0.01	sampling station	Yes	No
	11/10/16			1.49	0.23		sampling station	Yes	No
	11/15/16	8.29	17.4	1.13	0.51	0.04	sampling station	Yes	No
	11/17/16			1.38	0.25		sampling station	Yes	No
	11/22/16	8.17	16.5	1.15	0.29	0.03	sampling station	Yes	No
	11/23/16			1.46	0.35		sampling station	Yes	No
	11/29/16	8.05	15.5	1.06	0.48	0.01	sampling station	Yes	No
	12/2/16			1.40	0.23		sampling station	Yes	No
	12/6/16	7.95	14.6	1.33	0.26	0.01	sampling station	Yes	No
12/9/16			1.39	0.22		sampling station	Yes	No	
613 Calvert Street	6/7/16	8.63	26.4	0.55	0.63	0.10	meter	Yes	No
	6/10/16*			0.73	0.31		meter	Yes	No
	6/14/16	8.46	28.1	0.67	1.27**	0.25**	meter	Yes	No
	6/14/16	8.66	28.3	0.54	0.67**	0.08**	meter	Yes	No
	6/17/16*			0.75	0.23		meter	Yes	No
	6/22/16	8.50	29.1	0.44	0.44	0.12	meter	Yes	No
	6/24/16*			0.81	0.31		meter	Yes	No
6/28/16	8.57	28.7	0.79	0.30	0.03	meter	Yes	No	
610 Calvert Street	7/1/16*			1.13	0.13		sampling station	Yes	No
	7/5/16	8.16	30.5	1.06	0.35	0.06	sampling station	Yes	No

610 Calvert Street	7/8/16			1.15	0.19		sampling station	Yes	No
	7/12/16	7.99	29.7	1.09	0.43	0.11	sampling station	Yes	No
	7/15/16			1.24	0.16		sampling station	Yes	No
	7/19/16	8.30	29.5	1.00	0.22	0.06	sampling station	Yes	No
	7/22/16			1.17	0.11		sampling station	Yes	No
	7/26/16	8.05	30.9	1.06	0.21	0.04	sampling station	Yes	No
	7/29/16			1.12	0.13		sampling station	Yes	No
	8/2/16	8.20	30.6	0.98	0.28	0.05	sampling station	Yes	No
	8/5/16			1.12	0.15		sampling station	Yes	No
	8/9/16	8.29	29.6	1.05	0.41	0.05	sampling station	Yes	No
	8/12/16			1.23	0.14		sampling station	Yes	No
	8/16/16	8.38	29.7	1.03	0.33	0.04	sampling station	Yes	No
	8/19/16			1.22	0.25		sampling station	Yes	No
	8/23/16	8.02	29.0	0.89	0.30	0.04	sampling station	Yes	No
	8/26/16			1.19	0.15		sampling station	Yes	No
	8/30/16	8.25	29.2	0.90	0.46	0.02	sampling station	Yes	No
	9/1/16			1.08	0.18		sampling station	Yes	No
	9/6/16	8.21	29.5	0.80	0.38	0.04	sampling station	Yes	No
	9/9/16			1.17	0.26		sampling station	Yes	No
	9/13/16	8.19	28.0	1.20	0.34	0.04	sampling station	Yes	No
9/16/16			1.22	0.19		sampling station	Yes	No	
9/20/16	8.54	28.1	1.01	0.25	0.02	sampling station	Yes	No	
9/23/16			1.21	0.14		sampling station	Yes	No	

610 Calvert Street	9/27/16	8.24	26.5	1.06	0.22	0.02	sampling station	Yes	No
	9/30/16			1.27	0.15		sampling station	Yes	No
	10/4/16	8.20	26.2	1.18	0.16	0.01	sampling station	Yes	No
	10/7/16			1.11	0.16		sampling station	Yes	No
	10/11/16	8.32	21.1	1.05	0.31	0.00	sampling station	Yes	No
	10/14/16			1.47	0.23		sampling station	Yes	No
	10/18/16	8.19	23.5	1.07	0.30	0.02	sampling station	Yes	No
	10/21/16			1.30	0.17		sampling station	Yes	No
	10/25/16	8.16	21.9	1.23	0.19	0.03	sampling station	Yes	No
	10/28/16			1.38	0.15		sampling station	Yes	No
	11/1/16	8.65	21.1	1.12	0.17	0.02	sampling station	Yes	No
	11/4/16			1.15	0.16		sampling station	Yes	No
	11/8/16	8.31	22.0	0.89	0.43	0.05	sampling station	Yes	No
	11/10/16			0.82	0.25		sampling station	Yes	No
	11/15/16	8.16	18.1	1.12	0.54	0.04	sampling station	Yes	No
	11/17/16			1.35	0.20		sampling station	Yes	No
	11/22/16	8.16	16.6	1.13	0.26	0.04	sampling station	Yes	No
	11/23/16			1.45	0.29		sampling station	Yes	No
	11/29/16	8.03	16.0	1.17	0.50	0.01	sampling station	Yes	No
	12/2/16			1.40	0.22		sampling station	Yes	No
12/6/16	7.93	14.8	1.32	0.31	0.00	sampling station	Yes	No	
12/9/16			1.39	0.23		sampling station	Yes	No	

* Quality control field screening for free chlorine and turbidity only will be conducted on Fridays

** After the initial tests were performed (which indicated iron was compliant) flushing took place and the turbidity & Iron concentrations dropped to even lower levels on the second sample

*** Flushing for additional 10 minutes reduced iron to 0.05 mg/L

(1) Certified laboratory analysis for Fe

(2) New installation