

**CEDAR RAPIDS WATER DIVISION - FINISHED WATER QUALITY
J AVENUE WATER PLANT
CY 2019**

MONTH	pH (S.U.'s)	Temperature (°F)	Finished Water Hardness Levels (mg/L CaCO3)				Alkalinity (mg/L CaCO3)		Total Chlorine (mg/L)	Fluoride (mg/L)	Coliform Bacteria
			Total	Calcium	Magnesium	Non-Carb.	Total	Phenolph.			
January	8.19	49.0	131	55	75	49	81		3.3	0.68	ABSENT
February	8.21	45.8	135	58	78	51	85		3.3	0.67	ABSENT
March	8.29	46.0	132	62	70	43	89		3.3	0.63	ABSENT
April	8.28	49.3	123	60	63	33	89		3.3	0.51	ABSENT
May	8.32	53.3	122	59	63	38	84		3.4	0.66	ABSENT
June	8.32	58.8	122	58	64	39	82		3.3	0.70	ABSENT
July	8.30	65.9	115	59	56	39	76		3.4	0.68	ABSENT
August	8.29	69.2	116	63	53	37	79		3.4	0.70	ABSENT
September	8.30	68.9	110	61	48	33	77		3.3	0.70	ABSENT
October	8.30	66.5	112	59	53	31	80		3.3	0.69	ABSENT
November	8.30	60.1	118	57	61	37	81		3.4	0.67	ABSENT
December	8.28	55.1	126	58	68	43	83		3.4	0.68	ABSENT
CY AVG	8.28	57.3	122	59	63	39	82	#DIV/0!	3.3	0.66	
MAXIMUM	8.32	69.2	135	63	78	51	89	0	3.4	0.70	
MINIMUM	8.19	45.8	110	55	48	31	76	0	3.3	0.51	
EPA MCL									4.0	4.0	
Reg. Min.	8.0-8.4								1.5		
2nd NEG										2.0	
OPS		OPS	OPS	OPS	OPS	OPS	OPS	OPS			

Note: MCL = Maximum Contaminant Level; OPS = Operational Parameter; Reg. Min. = Regulatory Minimum; 2nd NEG=Secondary Nonenforceable Guideline;
NR = Not Regulated

MONTH	Nitrate (mg/L N)	Nitrite (mg/L N)	Ammonia (mg/L N)	O-Phosphate (mg/L PO4)	Chloride (mg/L)	Sulfate (mg/L SO4)	Iron (mg/L)	Conductivity (µmhos/Cm)	Turbidity (NTUs)	TDS (mg/L)	Sodium (mg/L)
January	4.53	0.04	0.84	0.68	24.0	25.6	0.00	322	0.06	167	9.7
February	4.75	0.03	0.89	0.69	27.3	26.7	0.00	340	0.06	184	11.3
March	4.11	0.03	0.94	0.68	26.4	25.9	0.00	344	0.06	172	11.4
April	3.12	0.03	0.96	0.68	23.1	21.6	0.00	311	0.06	161	8.5
May	4.06	0.02	0.92	0.69	22.9	23.0	0.00	314	0.05	186	9.2
June	4.81	0.03	0.97	0.66	23.3	22.3	0.00	312	0.06	168	8.1
July	4.84	0.03	0.94	0.64	23.6	22.6	0.00	304	0.06	200	8.7
August	2.59	0.04	0.94	0.64	24.3	26.0	0.00	303	0.05	176	10.1
September	0.98	0.03	0.96	0.65	26.9	27.1	0.00	296	0.06	180	11.1
October	1.83	0.04	0.91	0.66	23.4	22.6	0.00	291	0.06	170	10.4
November	3.43	0.04	0.86	0.64	24.0	23.3	0.00	306	0.05	190	9.7
December	3.78	0.03	0.89	0.64	27.7	26.0	0.00	325	0.06	190	11.9
CY AVG	3.57	0.03	0.89	0.64	57.7	26.0	0.00	325	0.06	190	10.0
MAXIMUM	4.84	0.04	0.97	0.69	27.7	27.1	0.00	344	0.06	200	11.9
MINIMUM	0.98	0.02	0.84	0.64	22.9	21.6	0.00	291	0.05	161	8.1
EPA MCL	10	1.00							0.30		
Reg. Min.											
2nd NEG					250	250	0.30			500	
OPS			OPS	OPS				OPS			
NR											NR

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CEDAR RAPIDS WATER DIVISION - FINISHED WATER QUALITY
NW Water Plant
CY 2019

MONTH	pH (S.U.'s)	Temperature (°F)	Finished Water Hardness Levels (mg/L CaCO3)				Alkalinity (mg/L CaCO3)		Total Chlorine (mg/L)	Fluoride (mg/L)	Coliform Bacteria
			Total	Calcium	Magnesium	Non-Carb.	Total	Phenolph.			
January	8.17	47.7	126	58	68	51	75		3.5	0.48	ABSENT
February	8.16	45.0	130	60	69	54	75		3.5	0.59	ABSENT
March	8.25	43.4	121	58	63	47	74		3.5	0.56	ABSENT
April	8.22	45.2	111	59	52	37	74		3.5	0.68	ABSENT
May	8.27	51.4	112	56	56	39	72		3.3	0.72	ABSENT
June	8.25	57.3	112	54	58	39	72		3.3	0.76	ABSENT
July	8.25	63.5	110	55	54	38	72		3.2	0.75	ABSENT
August	8.26	69.3	105	58	47	37	68		3.3	0.68	ABSENT
September	8.19	69.3	103	55	48	36	68		3.2	0.67	ABSENT
October	8.25	65.1	109	58	51	36	72		3.2	0.72	ABSENT
November	8.27	57.3	116	58	58	43	73		3.2	0.70	ABSENT
December	8.27	52.4	121	59	62	46	75		3.3	0.66	ABSENT
CY AVG	8.23	55.6	115	57	57	42	73	#DIV/0!	3.3	0.66	
MAXIMUM	8.27	69.3	130	60	69	54	75	0	3.5	0.76	
MINIMUM	8.16	43.4	103	54	47	36	68	0	3.2	0.48	
EPA MCL									4.0	4.0	
Reg. Min.	8.0-8.4								1.5		
2nd NEG										2.0	
OPS		OPS	OPS	OPS	OPS	OPS	OPS	OPS			

Note: MCL = Maximum Contaminant Level; OPS = Operational Parameter; Reg. Min. = Regulatory Minimum; 2nd NEG=Secondary Nonenforceable Guideline;
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MONTH	Nitrate (mg/L N)	Nitrite (mg/L N)	Ammonia (mg/L N)	O-Phosphate (mg/L PO4)	Chloride (mg/L)	Sulfate (mg/L SO4)	Iron (mg/L)	Conductivity (µmhos/Cm)	Turbidity (NTUs)	TDS (mg/L)	Sodium (mg/L)
January	4.40	0.01	0.88	0.68	24.0	26.2	0.00	303	0.03	155	9.5
February	4.91	0.02	0.91	0.69	26.6	27.0	0.00	315	0.03	171	10.5
March	4.10	0.03	0.93	0.70	26.0	25.9	0.00	308	0.04	158	10.3
April	3.40	0.02	0.93	0.70	22.8	21.3	0.00	281	0.05	124	8.5
May	4.22	0.01	0.93	0.72	21.3	22.2	0.00	287	0.04	165	9.1
June	5.20	0.02	0.98	0.70	21.1	20.5	0.00	281	0.04	176	7.4
July	4.59	0.03	1.04	0.70	21.8	21.2	0.00	284	0.05	180	8.5
August	2.91	0.04	1.04	0.75	23.0	26.2	0.00	278	0.05	181	9.5
September	1.37	0.03	0.99	0.72	25.3	28.5	0.00	279	0.06	160	10.4
October	2.65	0.03	0.99	0.72	21.8	23.6	0.00	278	0.05	180	9.4
November	3.87	0.02	0.94	0.70	22.0	24.5	0.02	289	0.05	170	9.0
December	4.16	0.01	0.92	0.73	24.7	26.0	0.00	301	0.05	180	9.4
CY AVG	3.81	0.02	0.96	0.71	23.4	24.4	0.00	290	0.05	167	9.3
MAXIMUM	5.20	0.04	1.04	0.75	26.6	28.5	0.02	315	0.06	181	10.5
MINIMUM	1.37	0.01	0.88	0.68	21.1	20.5	0.00	278	0.03	124	7.4
EPA MCL	10	1.00							0.30		
Reg. Min.											
2nd NEG					250	250	0.30			500	
OPS			OPS	OPS				OPS			
NR											NR

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