

# CEDAR RAPIDS WATER DIVISION - FINISHED WATER QUALITY

## J AVENUE WATER PLANT

YEAR	p H	Temperature	FINISHED WATER HARDNESS LEVELS				ALKALINITY		Total	Fluoride	Coliform	Sodium
				mg/L (as CaCO <sub>3</sub> )			mg/L (as CaCO <sub>3</sub> )		Chlorine		Bacteria	
2017	S.U.'s	Degrees F	Total	Calcium	Magnesium	Non-Carb.	Total	Phenolphth.	mg/L	mg/L	CFU/100 mL	mg/L
Jan-17	8.19	52.0	135	65	71	54	81		3.2	0.65	Absent	10.2
Feb-17	8.21	51.3	133	64	62	43	86		3.2	0.64	Absent	9.3
Mar-17	8.19	50.0	138	70	69	50	89		3.2	0.68	Absent	8.7
Apr-17	8.24	50.9	136	68	67	50	85		3.3	0.69	Absent	9.4
May-17	8.26	54.4	131	69	62	50	81		3.3	0.67	Absent	9.0
Jun-17	8.23	61.0	126	63	61	48	77		3.2	0.66	Absent	9.3
Jul-17	8.22	67.1	118	63	55	46	72		3.2	0.68	Absent	9.8
Aug-17	8.25	68.5	111	59	53	39	72		3.3	0.71	Absent	9.8
Sep-17	8.26	68.1	111	56	55	38	73		3.3	0.72	Absent	11.0
Oct-17	8.25	65.9	111	54	57	37	74		3.3	0.71	Absent	11.5
Nov-17	8.29	63.6	124	59	65	44	80		3.2	0.67	Absent	12.9
Dec-17												
CY AVG	8.24	59.3	125	63	62	45	79	#DIV/0!	3.2	0.68	#DIV/0!	10.1
MAXIMUM	8.29	68.5	138	70	71	54	89	0	3.3	0.72	0	12.9
MINIMUM	8.19	50.0	111	54	53	37	72	0	3.2	0.64	0	8.7
EPA MCL									4.0	4.0	0	
Reg. Min.	8.0-8.4								1.5			
2nd NEG										2.0		
OPS		OPS	OPS	OPS	OPS	OPS	OPS	OPS				
NR												NR

**Note:** MCL = Maximum Contaminant Level; OPS = Operational Parameter; Reg. Min. = Regulatory Minimum; 2nd NEG=Secondary Nonenforceable Guideline; NR = Not Regulated All less than detection limit or Nondetected results recorded as zero for calculation purposes.

YEAR	Nitrate	Nitrite	Ammonia	O-Phosphate	Chloride	Sulfate	Iron	Conductivity	Turbidity	Dissolved
2017	mg/L (asN)	mg/L (asN)	mg/L (asN)	mg/L (as PO <sub>4</sub> )	mg/L	mg/L as(SO <sub>4</sub> )	mg/L	µmhos/Cm	NTU's	Solids
Jan-17	5.06	0.03	0.86	0.66	27.3	29.8	0.00	334	0.06	180
Feb-17	3.93	0.07	0.91	0.66	26.8	27.3	0.01	329	0.06	182
Mar-17	4.91	0.04	0.90	0.65	26.4	26.2	0.00	342	0.05	196
Apr-17	5.63	0.02	0.86	0.65	25.8	26.3	0.00	357	0.05	180
May-17	6.04	0.04	0.94	0.65	24.8	25.4	0.00	337	0.05	190
Jun-17	5.53	0.05	0.99	0.64	25.8	25.8	0.00	335	0.05	227
Jul-17	4.86	0.05	0.94	0.65	25.0	25.3	0.00	307	0.05	227
Aug-17	2.32	0.06	0.90	0.65	25.8	26.2	0.00	292	0.05	162
Sep-17	0.85	0.05	0.89	0.64	28.3	29.0	0.00	296	0.05	168
Oct-17	0.63	0.06	0.88	0.63	30.0	29.5	0.00	301	0.05	162
Nov-17	1.48	0.04	0.92	0.63	29.2	30.8	0.00	323	0.05	177
Dec-17										
CY AVG	3.75	0.05	0.91	0.65	26.8	27.4	0.00	323	0.05	186
MAXIMUM	6.04	0.07	0.99	0.66	30.0	30.8	0.01	357	0.06	227
MINIMUM	0.63	0.02	0.86	0.63	24.8	25.3	0.00	292	0.05	162
EPA MCL	10	1.00							0.30	
Reg. Min.										
2nd NEG					250	250	0.30			500
OPS			OPS	OPS				OPS		

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# CEDAR RAPIDS WATER DIVISION - FINISHED WATER QUALITY

## NW WATER PLANT

			FINISHED WATER HARDNESS LEVELS				ALKALINITY		Total		Coliform	Sodium
YEAR	pH	Temperature		mg/L (as CaCO <sub>3</sub> )			mg/L (as CaCO <sub>3</sub> )		Chlorine	Fluoride	Bacteria	
2017	S.U.'s	Degrees F	Total	Calcium	Magnesium	Non-Carb.	Total	Phenolphth.	mg/L	mg/l	CFU/100 mL	mg/L
Jan-17	8.17	48.1	130	56	74	58	71		3.3	0.62	Absent	10.0
Feb-17	8.16	45.3	127	55	65	50	72		3.3	0.58	Absent	8.7
Mar-17	8.15	45.5	124	55	69	54	70		3.4	0.57	Absent	7.4
Apr-17	8.21	47.8	129	59	68	54	73		3.4	0.59	Absent	8.5
May-17	8.24	53.1	122	56	66	54	68		3.4	0.62	Absent	7.6
Jun-17	8.21	60.0	116	56	58	49	65		3.3	0.63	Absent	8.8
Jul-17	8.23	66.6	113	57	56	50	63		3.4	0.66	Absent	9.1
Aug-17	8.25	69.8	103	56	48	43	60		3.3	0.66	Absent	9.1
Sep-17	8.23	68.8	105	55	49	44	60		3.3	0.66	Absent	10.8
Oct-17	8.26	66.4	106	54	52	42	65		3.4	0.64	Absent	11.2
Nov-17	8.29	59.1	119	51	68	48	71		3.5	0.45	Absent	11.2
Dec-17												
CY AVG	8.22	57.3	118	55	61	50	67	#DIV/0!	3.4	0.61	#DIV/0!	9.3
MAXIMUM	8.29	69.8	130	59	74	58	73	0	3.5	0.66	0	11.2
MINIMUM	8.15	45.3	103	51	48	42	60	0	3.3	0.45	0	7.4
EPA MCL									4.0	4.0	0	
Reg. Min.	8.0-8.4								1.5			
2nd NEG										2.0		
OPS		OPS	OPS	OPS	OPS	OPS	OPS	OPS				
NR												NR

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YEAR	Nitrate	Nitrite	Ammonia	O-Phosphate	Chloride	Sulfate	Iron	Conductivity	Turbidity	Dissolved
2017	mg/L (asN)	mg/L (asN)	mg/L (asN)	mg/L (as PO <sub>4</sub> )	mg/L	mg/L as(SO <sub>4</sub> )	mg/L	µmhos/Cm	NTU's	Solids
Jan-17	5.28	0.01	0.81	0.68	26.8	29.3	0.04	310	0.04	163
Feb-17	4.75	0.03	0.80	0.69	25.8	26.5	0.00	308	0.04	169
Mar-17	5.64	0.02	0.83	0.67	24.0	24.2	0.00	303	0.03	171
Apr-17	6.33	0.01	0.81	0.69	24.3	25.0	0.00	328	0.04	171
May-17	6.32	0.03	0.82	0.68	23.0	24.0	0.00	299	0.03	184
Jun-17	6.20	0.03	0.87	0.67	23.8	24.8	0.00	298	0.03	207
Jul-17	5.59	0.04	0.84	0.69	23.5	24.8	0.00	290	0.05	207
Aug-17	3.14	0.04	0.89	0.69	24.0	27.0	0.00	274	0.05	158
Sep-17	1.29	0.03	0.91	0.68	28.0	31.5	0.00	279	0.05	152
Oct-17	1.15	0.03	0.89	0.68	28.5	31.3	0.00	290	0.04	163
Nov-17	3.29	0.02	0.87	0.66	26.4	31.0	0.00	159	0.03	159
Dec-17										
CY AVG	4.45	0.03	0.85	0.68	25.3	27.2	0.00	285	0.04	173
MAXIMUM	6.33	0.04	0.91	0.69	28.5	31.5	0.04	328	0.05	207
MINIMUM	1.15	0.01	0.80	0.66	23.0	24.0	0.00	159	0.03	152
EPA MCL	10	1.00							0.30	
Reg. Min.										
2nd NEG					250	250	0.30			500
OPS			OPS	OPS				OPS		

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