

City of Broken Arrow WTP Monthly Operational Report Summary
Water Treatment Plant PWSID# OK 1021508

Reporting Period: [July] [2024]



Operating Data Summary

Water Production (MG)

	Month	Average Day
Raw Water Treated	545.65	17.6
Finished Water	519.09	16.7

Monthly Chemical Usage (Non-Membrane Usage)

Chemical	Total lbs	lbs/Finished MG
Sodium Hypochlorite	38,735	1,066.0
Salt (for hypo generation)	116,205	3,198.0
Liquid Ammonium Sulfate	5,412	9.9
Sodium Permanganate	2,345	2.3
Aluminum Chlorohydrate	136,392	47.0
Sodium Hydroxide	14,340	10.6
Hydrofluosilicic Acid	2,772	2.9

Total Chlorine Residual:

	No. Samples
Total Chlorine Residual <2.0 mg/L Leaving Plant	0

Finished Water Turbidity:

	No. Samples	% of Total Samples
Greater than 0.5 NTU	0	0.00
Greater than 0.3 NTU	0	0.00
Greater than 0.1 NTU	0	0.00
Total No. of Turbidity Samples	186	
Highest Turbidity Reading	0.054	
No. Samples > 1 NTU	0	
No. Samples > 5 NTU	0	

Monthly Costs

	Total	\$/Finished MG	\$/1000 gal
Plant Electricity	\$24,264.30	\$46.74	\$0.0467
Total Chemical	\$163,854.09	\$315.65	\$0.3157
Total Labor	\$58,461.33	\$112.62	\$0.1126
Services	\$34,794.12	\$67.03	\$0.0670
Materials and Supplies	\$1,676.09	\$3.23	\$0.0032
Equipment Expenses	\$9,100.02	\$17.53	\$0.0175
Total	\$292,149.95	\$562.81	\$0.5628

Individual Membrane Unit Turbidity Checklist

	YES/NO
1. IS TURBIDITY FROM EACH INDIVIDUAL MEMBRANE UNIT RECORDED EVERY 15 MINUTES?	YES
2. DID ANY SINGLE MEMBRANE UNIT EXCEED 2.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS? No, Go to Question 3. Yes, What date was the membrane profile completed? _____	NO
DID THIS SAME MEMBRANE UNIT EXCEED 2.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST MONTH? No, Go to Question 3. Yes, Schedule Comprehensive Performance Evaluation (CPE) with DEQ.	
3. DID ANY SINGLE MEMBRANE UNIT EXCEED 1.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS? No, Go to Question 4. Yes, What date was the filter profile completed? _____	NO
DID THIS SAME MEMBRANE UNIT FILTER EXCEED 1.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST 2 MONTHS? No, Go to Question 4. Yes, What date was the membrane self-assessment completed? _____	
4. DID ANY SINGLE MEMBRANE UNIT EXCEED 0.5 NTU IN 2 CONSECUTIVE 15-MIN PERIODS AT THE END OF 4 HRS OF OPERATION? No, You are finished with the checklist. Yes, What date was the membrane profile completed? _____	NO

* IF ANY OF QUESTIONS 2 THROUGH 4 ARE CHECKED "YES", YOU MUST COMPLETE THE TURBIDITY TRIGGER EVALUATION FORM AND ATTACH TO THIS MOR.

I hereby certify the above to be correct to the best of my knowledge:

Notes:

Signed: Laubon Fisher Date: 8/9/2024
Title: Water Plant Manager

Operator Certificate No. 25369

Public Water System Name: COBA Water Treatment Plant
PWS ID No.: OK 1021508

Month:
Year

July
2024

Date	Water Production and Recycle Flows				
	Raw Water Pumped to Pre-Sed Basins (MG)	Raw Water Treated (MG)	Finished Water Delivered (MG)	Reverse Filtration Water Used (MG)	Lagoon Decant Water Pumped (MG)
1	10.63	22.83	15.86		0.76
2	10.76	19.12	18.64		0.95
3	19.75	20.13	20.80		0.80
4	19.61	19.47	17.38		0.94
5	19.57	15.13	14.10		0.91
6	19.56	15.25	14.72		0.76
7	19.51	16.13	14.28		0.66
8	12.52	14.70	13.91		0.67
9	9.80	13.29	12.87		0.87
10	9.86	14.90	15.17		1.09
11	9.87	16.03	15.74		1.13
12	10.03	18.24	18.22		1.01
13	20.03	19.01	17.94		0.90
14	19.90	19.24	18.33		0.83
15	19.97	19.40	19.41		0.83
16	26.43	19.54	17.26		0.82
17	19.73	15.59	14.90		0.79
18	18.70	17.19	16.35		0.80
19	18.93	18.72	19.08		0.82
20	19.03	18.40	17.24		0.81
21	19.09	16.40	14.13		0.80
22	19.07	15.16	14.84		0.79
23	17.63	15.11	14.54		0.79
24	10.53	16.49	16.37		0.79
25	10.60	16.83	16.54		0.79
26	10.54	18.50	17.81		0.80
27	13.37	18.54	17.32		0.79
28	20.75	16.68	17.45		0.79
29	20.67	19.78	18.90		0.80
30	20.67	19.08	18.48		0.79
31	20.71	20.78	20.53		0.80
TOTAL	517.82	545.65	519.09	0.00	25.89
AVG	16.70	17.60	16.74	#DIV/0!	0.84
MAX	26.43	22.83	20.80	0.00	1.13
MIN	9.80	13.29	12.87	0.00	0.66

Public Water System Name: COBA Water Treatment Plant
 PWS ID No.: OK 1021508

Month: July
 Year: 2024

TOTAL CHEMICAL COST:	\$163,854		
Cost Per MG Treated	\$300.29	Cost Per MG Delivered	\$315.65
Million Gallons Treated	545.65	Million Gallons Delivered	519.09

Non-Membrane System Chemical Usage

Date	Sodium Hypochlorite (CL) NaClO		Liquid Ammonium Sulfate (LAS)		Sodium Permanganate (SP)		Aluminum Chlorohydrate (ACH)		Sodium Hydroxide (SH)		Hydrofluosilicic Acid (HFS)	
	gal/day	lb/day	gal/day	lb/day	gal/day	lb/day	gal/day	lb/day	gal/day	lb/day	gal/day	lb/day
1	33,251	2327.60	299.4	313.81	61.4	118.80	1,414	7899.04	350.8	914.40	89.2	162.54
2	20,471	1432.96	182.9	191.71	24.2	46.84	860	4804.35	213.5	556.32	53.6	97.68
3	21,927	1534.86	202.3	212.03	44.8	86.70	950	5305.62	235.6	614.08	59.3	108.04
4	17,826	1247.85	168.7	176.76	44.5	86.07	793	4429.31	196.8	513.03	49.4	90.06
5	14,748	1032.33	138.0	144.61	44.4	85.89	647	3617.65	160.1	417.29	40.1	73.10
6	15,453	1081.72	143.6	150.47	44.4	85.86	671	3749.08	166.3	433.45	41.7	76.04
7	16,708	1169.53	134.8	141.31	44.3	85.66	633	3539.23	156.3	407.38	39.2	71.41
8	17,305	1211.37	141.0	147.72	28.6	55.36	664	3710.05	163.4	425.90	41.0	74.64
9	14,481	1013.65	121.0	126.78	22.2	43.03	574	3208.32	140.5	366.22	35.2	64.06
10	17,982	1258.72	149.4	156.54	22.4	43.28	706	3947.62	173.3	451.78	43.5	79.29
11	18,300	1281.03	151.4	158.66	22.4	43.33	720	4025.85	176.7	460.57	44.4	80.84
12	20,447	1431.27	180.0	188.61	22.6	43.64	847	4735.37	209.6	546.24	52.8	96.11
13	19,113	1337.92	173.2	181.49	45.4	87.86	816	4558.20	201.8	525.96	50.8	92.47
14	19,199	1343.95	178.6	187.12	45.1	87.33	843	4710.68	208.0	542.01	52.3	95.35
15	19,591	1371.38	187.4	196.43	45.1	87.28	880	4919.33	218.3	568.99	54.9	100.09
16	17,873	1251.10	171.3	179.49	60.0	116.15	806	4504.12	199.6	520.32	50.2	91.45
17	14,902	1043.17	138.6	145.21	44.9	86.89	656	3667.56	162.0	422.11	40.6	73.99
18	17,610	1232.68	164.4	172.24	42.4	82.08	776	4336.70	191.6	499.46	48.2	87.76
19	18,753	1312.69	181.9	190.62	42.9	83.08	865	4835.67	182.4	475.44	53.9	98.14
20	16,710	1169.67	165.2	173.16	43.2	83.55	788	4402.85	140.4	365.98	49.3	89.72
21	13,462	942.31	130.4	136.61	43.3	83.80	628	3509.50	111.2	289.78	38.9	70.79
22	15,205	1064.34	146.6	153.65	43.3	83.68	708	3953.58	124.8	325.19	43.7	79.62
23	13,966	977.64	133.2	139.57	40.2	77.72	645	3605.56	113.5	295.89	39.7	72.32
24	16,567	1159.69	160.7	168.43	23.9	46.21	774	4323.96	136.6	356.03	47.9	87.27
25	16,187	1133.09	155.9	163.42	24.0	46.50	744	4159.59	132.7	345.81	46.5	84.68
26	17,441	1220.85	171.8	180.01	23.9	46.26	819	4577.38	146.1	380.76	51.2	93.27
27	17,458	1222.06	166.2	174.16	30.1	58.29	791	4420.18	155.9	406.42	49.3	89.75
28	17,098	1196.88	165.4	173.36	47.1	91.08	776	4338.92	167.2	435.66	48.9	89.07
29	18,101	1267.04	185.1	194.04	46.9	90.73	861	4811.67	187.0	487.33	54.7	99.70
30	17,264	1208.47	178.4	186.96	46.9	90.73	830	4638.73	180.3	469.87	52.7	96.06
31	17,959	1257.10	197.8	207.33	47.0	90.92	921	5146.52	199.7	520.51	58.5	106.53
TOTAL	553,356	38,735	5,164	5,412	1,212	2,345	24,409	136,392	5,502	14,340	1,522	2,772
AVG	17,850	1249.51	167	174.59	39	75.63	787	4399.75	177	462.59	49	89.41
MAX	33,251	2327.60	299	313.81	61	118.80	1,414	7899.04	351	914.40	89	162.54
MIN	13,462	942.31	121	126.78	22	43.03	574	3208.32	111	289.78	35	64.06
COST	\$21,300.92		\$9,353.32		\$17,303.16		\$95,474.55		\$12,045.76		\$8,376.39	
\$/MG	\$39.04		\$17.14		\$31.71		\$174.97		\$22.08		\$15.35	

Public Water System Name: COBA Water Treatment Plant
 PWS ID No.: OK 1021508

Month: July
 Year: 2024

Date	pH (by Continuous Reading Analyzers)				Hardness and Alkalinity - Finished Water Grab Samples						
	Membrane Filtrate		Finished Water		Hardness (ppm)		Alkalinity (ppm as CaCO ₃)				CaCO ₃ Stability
	Daily Max	Daily Min	Daily Max	Daily Min	AM	PM	Phenol AM	Phenol PM	Total AM	Total PM	
1	7.6	7.4	7.9	7.9	144.00	142.00	0.00	0.00	109.00	109.00	0.00
2	7.6	7.5	7.9	7.9	142.00	143.00	0.00	0.00	107.00	109.00	3.00
3	7.7	7.6	8.1	7.9	145.00	142.00	0.00	0.00	110.00	109.00	8.00
4	7.6	7.5	8.0	8.0	137.00	137.00	0.00	0.00	107.00	107.00	2.00
5	7.7	7.5	8.0	7.9	146.00	143.00	0.00	0.00	112.00	110.00	3.00
6	7.9	7.3	8.0	8.0	143.00	147.00	0.00	0.00	109.00	110.00	3.00
7	7.7	7.5	8.0	7.9	148.00	142.00	0.00	0.00	113.00	110.00	5.00
8	7.6	7.6	8.0	8.0	145.00	144.00	0.00	0.00	111.00	111.00	7.00
9	7.6	7.6	8.0	8.0	141.00	148.00	0.00	0.00	108.00	111.00	-1.00
10	7.7	7.5	8.0	7.9	149.00	145.00	0.00	0.00	112.00	113.00	6.00
11	7.6	7.5	8.0	7.9	145.00	147.00	0.00	0.00	111.00	112.00	4.00
12	7.7	7.5	8.0	7.9	149.00	149.00	0.00	0.00	113.00	112.00	4.00
13	7.7	7.6	8.1	8.0	148.00	150.00	0.00	0.00	111.00	112.00	5.00
14	7.7	7.6	8.1	8.1	150.00	152.00	0.00	0.00	114.00	111.00	6.00
15	7.7	7.6	8.1	8.1	152.00	149.00	0.00	0.00	114.00	112.00	7.00
16	7.7	7.6	8.1	8.1	150.00	150.00	0.00	0.00	111.00	111.00	5.00
17	7.7	7.6	8.1	8.1	153.00	155.00	0.00	0.00	113.00	114.00	1.00
18	7.7	7.6	8.1	8.1	150.00	156.00	0.00	0.00	110.00	113.00	7.00
19	7.7	7.7	8.2	8.1	159.00	156.00	0.00	0.00	115.00	114.00	3.00
20	7.7	7.7	8.1	8.0	155.00	152.00	0.00	0.00	112.00	112.00	7.00
21	7.7	7.7	8.0	8.0	157.00	154.00	0.00	0.00	115.00	111.00	3.00
22	7.7	7.7	8.0	8.0	155.00	154.00	0.00	0.00	112.00	111.00	-1.00
23	7.7	7.2	8.0	8.0	150.00	152.00	0.00	0.00	106.00	108.00	10.00
24	7.7	7.3	8.0	7.9	153.00	154.00	0.00	0.00	112.00	110.00	4.00
25	7.6	7.6	8.0	7.9	153.00	152.00	0.00	0.00	113.00	111.00	4.00
26	7.6	7.6	7.9	7.8	154.00	150.00	0.00	0.00	113.00	110.00	2.00
27	7.6	7.6	7.9	7.8	150.00	151.00	0.00	0.00	110.00	110.00	2.00
28	7.7	7.6	8.0	7.9	150.00	145.00	0.00	0.00	110.00	110.00	4.00
29	7.7	7.2	8.1	8.0	149.00	148.00	0.00	0.00	110.00	107.00	0.00
30	7.8	7.3	8.1	8.0	144.00	146.00	0.00	0.00	107.00	108.00	7.00
31	7.8	7.7	8.1	8.1	148.00	147.00	0.00	0.00	111.00	108.00	1.00
AVG					149	148	0	0	111	111	4
MAX	7.9	7.7	8.2	8.1	159	156	0	0	115	114	10
MIN	7.6	7.2	7.9	7.8	137	137	0	0	106	107	-1

Public Water System Name: COBA Water Treatment Plant
 PWS ID No.: OK 1021508

Month: July
 Year: 2024

Date	Turbidity (NTU) Continuous Reading Analyzers						Chlorine Residual (Total or Free as Noted, mg/L) Continuous Reading Analyzers					
	Finished Water (Highest Reading in 4-hour Period)						Finished Water Total Chlorine (Min. in 4 Hour Period)					
	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM	12:00 AM	4:00 AM	8:00 AM	12:00 PM	4:00 PM	8:00 PM
1	0.02	0.02	0.02	0.01	0.02	0.02	3.99	3.62	3.90	3.88	3.87	3.93
2	0.02	0.02	0.02	0.01	0.04	0.02	3.92	4.00	4.02	4.00	3.96	3.95
3	0.04	0.02	0.01	0.03	0.02	0.02	4.02	3.93	3.93	3.95	4.06	4.03
4	0.04	0.02	0.02	0.03	0.03	0.03	3.95	3.99	3.95	3.92	3.93	3.99
5	0.02	0.02	0.02	0.05	0.02	0.04	3.88	3.90	3.89	3.93	3.95	3.93
6	0.01	0.02	0.04	0.01	0.01	0.01	3.94	3.92	3.97	3.95	3.98	3.94
7	0.02	0.02	0.02	0.01	0.02	0.02	3.89	3.89	3.90	3.95	3.93	3.90
8	0.01	0.01	0.02	0.01	0.02	0.02	3.92	3.93	4.03	4.00	3.99	3.94
9	0.01	0.02	0.02	0.02	0.02	0.02	3.82	3.95	3.93	3.89	3.87	3.83
10	0.01	0.02	0.01	0.02	0.02	0.02	3.98	3.84	3.87	3.89	3.92	3.99
11	0.02	0.01	0.02	0.01	0.02	0.01	3.82	3.97	3.92	3.87	3.85	3.81
12	0.02	0.01	0.01	0.02	0.01	0.01	4.02	3.81	3.87	3.96	4.03	4.01
13	0.01	0.01	0.01	0.01	0.01	0.01	4.04	4.04	4.08	4.07	4.08	4.06
14	0.01	0.01	0.01	0.01	0.01	0.01	4.07	4.02	3.99	3.98	4.04	4.05
15	0.01	0.02	0.01	0.01	0.01	0.02	3.99	4.05	4.00	4.00	4.05	4.02
16	0.02	0.01	0.02	0.01	0.01	0.01	3.98	4.00	3.96	3.95	3.96	3.98
17	0.02	0.01	0.01	0.01	0.01	0.01	3.90	3.96	3.90	3.88	3.90	3.90
18	0.01	0.01	0.02	0.01	0.02	0.02	4.02	3.92	3.97	4.03	4.04	4.02
19	0.01	0.02	0.01	0.02	0.02	0.01	3.98	4.02	4.04	4.13	4.15	4.03
20	0.01	0.03	0.02	0.02	0.02	0.03	3.89	3.97	3.93	3.92	3.92	3.91
21	0.02	0.02	0.02	0.02	0.02	0.02	3.77	3.89	3.89	3.84	3.80	3.79
22	0.02	0.03	0.02	0.02	0.02	0.02	3.93	3.77	3.85	3.91	3.91	3.91
23	0.02	0.01	0.01	0.02	0.01	0.02	3.86	3.90	3.86	3.84	3.82	3.85
24	0.01	0.02	0.02	0.02	0.02	0.01	3.87	3.91	3.90	3.85	3.84	3.86
25	0.01	0.02	0.01	0.01	0.01	0.01	3.78	3.93	3.88	3.83	3.80	3.79
26	0.01	0.01	0.01	0.01	0.01	0.01	3.78	3.82	3.89	3.91	3.92	3.87
27	0.01	0.01	0.01	0.01	0.01	0.01	3.91	3.75	3.79	3.83	3.86	3.88
28	0.01	0.01	0.01	0.01	0.01	0.03	4.00	3.86	3.83	3.83	3.86	3.93
29	0.01	0.01	0.01	0.01	0.01	0.02	3.94	4.00	3.99	3.99	3.98	3.97
30	0.02	0.01	0.02	0.02	0.02	0.01	3.98	3.92	3.90	3.90	3.94	3.99
31	0.01	0.01	0.01	0.01	0.01	0.02	3.96	3.99	3.99	3.99	4.02	3.97
AVG	0.02	0.02	0.02	0.02	0.02	0.02	3.9	3.9	3.9	3.9	3.9	3.9
MAX	0.04	0.03	0.04	0.05	0.04	0.04	4.1	4.1	4.1	4.1	4.1	4.1
MIN	0.01	0.01	0.01	0.01	0.01	0.01	3.8	3.6	3.8	3.8	3.8	3.8

Finished Water Turbidity Summary and Statistics

	No. of Samples	Percent of Total Samples
Turbidity Greater Than 0.5 NTU	0	0
Turbidity Greater Than 0.3 NTU	0	0
Turbidity Greater Than 0.1 NTU	0	0

Total Number of Turbidity Samples	186
-----------------------------------	-----

PWSID 1021508

SYSTEM COBA WTP

MONTH July

*Type of Material Applied

Hydrofluosilicic Acid

YEAR 2024

Date	Water Treated 1,000s of Gallons	APPLIED		RESIDUAL F, ppm (RAW)		RESIDUAL F, ppm (FINISHED WATER)	
		LBS/DAY	PPM of F	AM	PM	AM	PM
1	15,864	163	1.23	0.23	0.28	0.80	0.83
2	18,635	98	0.63	0.20	0.38	0.69	0.95
3	20,800	108	0.62	0.30	0.26	0.77	0.75
4	17,378	90	0.62	0.30	0.47	0.87	1.06
5	14,097	73	0.62	0.18	0.24	0.78	0.76
6	14,724	76	0.62	0.17	0.42	0.84	0.91
7	14,281	71	0.60	0.12	0.26	0.65	0.83
8	13,908	75	0.64	0.23	0.17	0.73	0.69
9	12,874	64	0.60	0.40	0.32	0.94	0.91
10	15,166	79	0.63	0.23	0.38	0.76	0.91
11	15,739	81	0.62	0.03	0.21	0.71	0.72
12	18,221	96	0.63	0.15	0.15	0.55	0.73
13	17,945	92	0.62	0.13	0.23	0.82	0.67
14	18,327	95	0.62	0.18	0.26	0.71	0.60
15	19,414	100	0.62	0.25	0.28	0.82	0.80
16	17,256	91	0.64	0.30	0.18	0.92	0.67
17	14,898	74	0.60	0.21	0.20	0.71	0.76
18	16,346	88	0.64	0.23	0.45	0.79	1.05
19	19,079	98	0.62	0.42	0.25	0.91	0.77
20	17,243	90	0.62	0.07	0.36	0.64	0.99
21	14,132	71	0.60	0.15	0.29	0.76	0.89
22	14,837	80	0.64	0.26	0.07	0.77	0.67
23	14,536	72	0.60	0.21	0.30	1.06	0.73
24	16,371	87	0.64	0.23	0.35	0.79	0.96
25	16,538	85	0.61	0.10	0.50	0.61	1.09
26	17,813	93	0.63	0.13	0.48	0.70	1.03
27	17,316	90	0.62	0.01	0.31	0.62	0.72
28	17,447	89	0.61	0.06	0.30	0.61	0.96
29	18,896	100	0.63	0.26	0.13	0.77	0.81
30	18,483	96	0.62	0.40	0.21	1.04	0.69
31	20,530	107	0.62	0.28	0.27	0.82	0.91
Total	519,093	2,772					
Avg.	16,745	89	0.64	0.21	0.29	0.77	0.83

*Example: Sodium Fluoride, Sodium Fluorosilicate (Sodium Silicofluoride), and Fluorosilicic Acid (Hydrofluosilicic Acid)

It is required that this report be received by the 10th of the following month.

SEND TO: OSDH-Dental Health Services AND
1000 N.E. Tenth Street
Oklahoma City, OK 73117-1299

Dept of Environmental Quality
PO Box 1677
Oklahoma City, OK 73101-1677

I hereby certify the above to be

correct to the best of my knowledge.

Signed *Julianne DeShaw*

Title: Water Plant Manager

City Broken Arrow

ODH Form No. 561 / DEQ Form 631-001

Notes:

Public Water System Name: COBA Water Treatment Plant

Month: July

PWS ID No.:

OK 1021508

Year: 2024

Date	Distribution Total Chlorine mg/L A.M. Sample				Distribution Total Chlorine mg/L P.M. Sample			
	Time	Location	mg/L	Sampler	Time	Location	mg/L	Sampler
1	10:09	515 W. Quanah Pl.	3.30	M.L.	12:08	702 E. Mason Dr.	3.80	M.L.
2	09:02	7900 E. Norman St.	3.70	M.L.	13:03	2312 W. El Paso Pl.	2.70	M.L.
3	09:00	8017 S. Peach Ave.	3.20	M.L.	12:26	1116 W. Granger St.	3.30	M.L.
4	11:50	7213 S. Dennis Blvd	3.40	S.B	12:10	7900 E. Norman St.	3.90	S.B
5	10:40	5401 W Key West St.	3.30	JS	14:30	501 S Fire Ave.	2.60	JS
6	11:40	708 W Waco St	3.50	ME	12:26	1301 N 53rd St.	3.50	ME
7	11:48	1817 S. Willow Ave.	2.40	T.R.	12:39	2700 N. 7th St.	3.60	T.R.
8	10:37	2909 E. Montpelier St.	3.10	M.L.	12:40	12314 E. 126th Pl.	2.90	M.L.
9	0738	3706 S. Orange Cir.	2.30	M.L.	13:26	3104 N. Elm Pl.	3.00	M.L.
10	07:50	1820 W. Gulfport St.	2.80	M.L.	13:09	804 N. 1st St.	3.20	M.L.
11	08:12	422 N. Forest Ridge Blvd.	3.80	M.L.	12:38	702 E. Mason Dr.	3.70	M.L.
12	8:37	1100 E Reno Ct.	3.60	ML	12:10	6408 S Cedar Ave.	3.30	ML
13	11:45	1200 E. Dover St.	3.80	S.B	12:12	1116 W. Granger St.	3.50	S.B
14	11:49	6057 S. 353 E. Ave.	3.10	T.R.	13:35	36500 E. 66th St. S.	3.90	T.R.
15	07:49	1729 S. Pine Ave.	3.10	M.L.	12:47	1612 E. Sandusky St.	3.40	M.L.
16	09:41	1005 N. Willow Ave.	3.30	M.L.	12:07	2513 E. Dallas St.	3.10	M.L.
17	08:32	3921 S. Sequoia St.	3.40	M.L.	12:02	2909 E. Montpelier St.	3.30	M.L.
18	09:49	1005 N. Willow Ave.	3.20	M.L.	12:53	2616 E. Oakland St.	3.70	M.L.
19	10:24	1701 W. Van Buren Ct.	3.10	M.L	13:21	1621 S. 4th St.	3.70	M.L
20	11:49	322 W Detroit St.	3.40	ME	12:14	605 S Elder Ave.	3.50	ME
21	11:50	1301 N. 53rd St.	3.80	R.M.	12:17	804 N 1st St.	3.80	R.M.
22	10:35	322 W. Detroit St.	3.00	M.L.	12:40	1817 S. Willow Ave.	2.90	M.L.
23	08:57	13725 S. 124th E. Ave.	2.80	M.L.	12:57	2909 E. Montpelier St.	3.10	M.L.
24	08:45	2003 W. Ithica St.	3.30	M.L.	13:26	1700 N. 26th St.	3.90	M.L.
25	8:50	3329 W. Freeport St.	2.80	M.L.	12:05	1519 E. New Orleans Pl.	4.00	M.L.
26	08:08	5918 S. 13th Pl	3.50	M.L	12:54	2912 N Lions Dr	3.70	M.L.
27	11:40	7900 E. Norman St.	3.70	S.B	12:14	2513 E. Dallas St.	3.20	S.B
28	11:39	2909 E. Montpelier St.	3.20	T.R.	12:41	2700 N. 7th St.	3.70	T.R.
29	11:18	9410 S. Highland Dr.	2.10	M.L.	13:37	901 W. Albuquerque St.	3.90	M.L.
30	09:46	2904 W. Norman St.	3.40	M.L.	14:02	2301 E. Wnston St.	3.50	M.L.
31	09:28	100 N. Olive Ave.	3.10	J.S.	12:05	5300 E. Kenosha St.	4.00	A.R.

Average 3.21

Min. 2.10

Max. 3.80

Average 3.46

Min. 2.60

Max. 4.00