

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

Reporting Period: [June] [2023]



**CITY OF
BROKEN ARROW**
Where opportunity lives

Operating Data Summary

Water Production (MG)

	Month	Average Day
Raw Water Treated	465.05	15.5
Finished Water	458.59	15.3

Monthly Chemical Usage (Non-Membrane Usage)

Chemical	Total lbs	lbs/Finished MG
Sodium Hypochlorite	36,402	1,134.0
Salt (for hypo generation)	109,207	3,402.0
Liquid Ammonium Sulfate	4,737	9.9
Sodium Permanganate	0	0.0
Aluminum Chlorohydrate	95,592	37.3
Sodium Hydroxide	694	0.6
Hydrofluosilicic Acid	1,146	1.4

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	180	
Highest Turbidity Reading	0.090	
No. Samples > 1 NTU	0	
No. Samples > 5 NTU	0	

Monthly Costs

	Total	\$/Finished MG	\$/1000 gal
Plant Electricity	\$85,730.24	\$186.94	\$0.1869
Total Chemical	\$83,549.97	\$182.19	\$0.1822
Total Labor	\$94,857.20	\$206.85	\$0.2068
Services	\$188,492.67	\$411.03	\$0.4110
Materials and Supplies	\$7,238.58	\$15.78	\$0.0158
Equipment Expenses	\$9,794.42	\$21.36	\$0.0214
Total	\$469,663.08	\$1,024.16	\$1.0242

Individual Membrane Unit Turbidity Checklist

1. IS TURBIDITY FROM EACH INDIVIDUAL MEMBRANE UNIT RECORDED EVERY 15 MINUTES?	YES/NO
	YES
2. DID ANY SINGLE MEMBRANE UNIT EXCEED 2.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS?	NO
No, Go to Question 3.	
Yes, What date was the membrane profile completed?	
DID THIS SAME MEMBRANE UNIT EXCEED 2.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST MONTH?	NO
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
No, Go to Question 4.	
Yes, What date was the filter profile completed?	
DID THIS SAME MEMBRANE UNIT FILTER EXCEED 1.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST 2 MONTHS?	NO
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
No, You are finished with the checklist.	
Yes, What date was the membrane profile completed?	

* 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: 1. Sodium Hydroxide offline, starting the 4th, for repairs.

Signed:

7/10/2023

Date

Title:

Assistant Water Plant Manager

Operator Certificate No.

97672

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

Month:
Year

June
2023

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	19.27	15.52	16.34		0.69
2	19.21	17.20	16.34		0.69
3	19.13	16.11	14.89		0.68
4	19.01	13.25	12.37		0.68
5	10.26	14.56	15.03		0.68
6	10.30	15.97	15.85		0.69
7	10.31	15.14	15.15		0.67
8	10.26	15.29	14.26		0.68
9	10.25	16.39	15.82		0.67
10	10.23	13.73	12.95		0.69
11	10.37	13.33	13.77		0.66
12	19.47	15.82	15.49		0.66
13	19.14	14.70	14.19		0.66
14	18.88	14.90	14.52		0.67
15	18.64	15.63	15.46		0.66
16	18.47	15.56	15.14		0.69
17	18.30	14.14	15.15		0.66
18	0.40	13.22	10.95		0.69
19	6.51	11.85	13.95		0.64
20	19.20	14.54	14.50		0.66
21	18.80	15.11	15.54		0.67
22	18.61	14.71	13.49		0.64
23	18.48	16.59	16.60		0.66
24	18.27	16.32	15.29		0.66
25	18.27	16.50	16.78		0.67
26	18.25	17.74	17.97		0.63
27	18.13	16.43	15.78		0.68
28	17.89	16.20	16.43		0.65
29	17.91	19.76	18.96		0.71
30	17.96	18.84	19.61		0.69
31					
TOTAL	470.17	465.05	458.59	0.00	20.15
AVG	15.67	15.50	15.29	#DIV/0!	0.67
MAX	19.47	19.76	19.61	0.00	0.71
MIN	0.40	11.85	10.95	0.00	0.63

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

Month: June
Year: 2023

TOTAL CHEMICAL COST: \$83,550

Cost Per MG Treated \$179.66
Million Gallons Treated 465.05

Cost Per MG Delivered \$182.19
Million Gallons Delivered 458.59

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	16,521	1156.48	153.3	160.62	0.0	0.00	580	3243.10	71.1	185.23	21.7	39.61
2	18,490	1294.29	175.5	183.94	0.0	0.00	657	3669.32	81.0	211.13	24.9	45.35
3	16,002	1120.16	148.6	155.78	0.0	0.00	557	3112.73	69.0	179.88	21.1	38.40
4	13,927	974.88	124.7	130.73	0.0	0.00	464	2595.32	45.1	117.66	17.7	32.23
5	16,822	1177.57	149.8	157.02	0.0	0.00	559	3124.61	0.0	0.00	21.3	38.71
6	17,369	1215.84	159.2	166.86	0.0	0.00	595	3324.49	0.0	0.00	22.6	41.14
7	16,905	1183.38	150.5	157.75	0.0	0.00	560	3131.84	0.0	0.00	21.4	38.89
8	16,049	1123.42	141.0	147.74	0.0	0.00	528	2950.43	0.0	0.00	20.0	36.42
9	17,943	1256.02	158.5	166.07	0.0	0.00	602	3364.48	0.0	0.00	22.5	40.94
10	15,034	1052.40	128.8	135.03	0.0	0.00	487	2721.43	0.0	0.00	18.3	33.29
11	15,911	1113.78	136.8	143.39	0.0	0.00	521	2912.49	0.0	0.00	19.7	35.80
12	17,114	1197.99	151.5	158.79	0.0	0.00	579	3237.15	0.0	0.00	21.9	39.95
13	15,876	1111.34	140.8	147.59	0.0	0.00	525	2932.02	0.0	0.00	20.0	36.45
14	15,773	1104.12	143.7	150.55	0.0	0.00	535	2990.49	0.0	0.00	20.4	37.12
15	16,797	1175.77	156.0	163.49	0.0	0.00	585	3270.24	0.0	0.00	22.1	40.31
16	16,378	1146.48	151.6	158.89	0.0	0.00	563	3145.83	0.0	0.00	21.5	39.17
17	15,992	1119.43	145.7	152.65	0.0	0.00	541	3021.72	0.0	0.00	20.7	37.64
18	11,790	825.30	107.7	112.84	0.0	0.00	393	2198.67	0.0	0.00	6.1	11.06
19	15,321	1072.47	140.2	146.88	0.0	0.00	526	2937.03	0.0	0.00	10.8	19.76
20	15,786	1105.00	145.5	152.51	0.0	0.00	550	3073.57	0.0	0.00	20.1	36.58
21	16,566	1159.61	154.7	162.08	0.0	0.00	552	3085.74	0.0	0.00	21.1	38.48
22	15,268	1068.73	124.2	130.18	0.0	0.00	515	2880.27	0.0	0.00	19.5	35.60
23	20,109	1407.65	152.2	159.53	0.0	0.00	597	3336.58	0.0	0.00	22.3	40.67
24	19,177	1342.41	144.8	151.72	0.0	0.00	603	3367.02	0.0	0.00	22.8	41.58
25	19,112	1337.82	158.9	166.48	0.0	0.00	606	3388.81	0.0	0.00	23.1	41.99
26	21,015	1471.03	176.8	185.25	0.0	0.00	685	3829.29	0.0	0.00	26.1	47.48
27	18,644	1305.09	159.3	166.98	0.0	0.00	571	3191.55	0.0	0.00	21.6	39.37
28	20,933	1465.31	162.5	170.33	0.0	0.00	621	3471.85	0.0	0.00	23.4	42.61
29	23,678	1657.45	185.7	194.58	0.0	0.00	719	4016.24	0.0	0.00	26.8	48.88
30	23,730	1661.08	192.0	201.17	0.0	0.00	728	4067.82	0.0	0.00	27.6	50.21
31												
TOTAL	520,033	36,402	4,520	4,737	0	0	17,107	95,592	266	694	629	1,146
AVG	17,334	1213.41	151	157.91	0	0.00	570	3186.40	9	23.13	21	38.19
MAX	23,730	1661.08	192	201.17	0	0.00	728	4067.82	81	211.13	28	50.21
MIN	11,790	825.30	108	112.84	0	0.00	393	2198.67	0	0.00	6	11.06
COST	\$12,440.85		\$9,888.79		\$0.13		\$57,737.65		\$272.01		\$3,210.54	
\$/MG	\$26.75		\$21.26		\$0.00		\$124.15		\$0.58		\$6.90	

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

Month: June
Year: 2023

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	7.3	7.1	7.8	7.7	196.00	196.00	0.00	0.00	114.00	114.00	1.00
2	7.2	7.1	7.8	7.7	192.00	202.00	0.00	0.00	113.00	116.00	1.00
3	7.3	7.2	7.8	7.8	192.00	192.00	0.00	0.00	114.00	115.00	0.00
4	7.3	7.2	7.9	7.8	189.00	194.00	0.00	0.00	116.00	119.00	2.00
5	7.3	7.2	7.8	7.7	193.00	194.00	0.00	0.00	117.00	117.00	4.00
6	7.3	7.2	7.7	7.7	184.00	189.00	0.00	0.00	113.00	118.00	-5.00
7	7.3	7.2	7.7	7.7	189.00	188.00	0.00	0.00	115.00	116.00	2.00
8	7.3	7.2	7.7	7.7	188.00	184.00	0.00	0.00	115.00	113.00	2.00
9	7.3	7.3	7.7	7.7	182.00	182.00	0.00	0.00	114.00	113.00	0.00
10	7.4	7.3	7.7	7.7	183.00	186.00	0.00	0.00	113.00	114.00	1.00
11	7.4	7.3	7.8	7.7	184.00	182.00	0.00	0.00	116.00	112.00	-1.00
12	7.4	7.4	7.8	7.8	186.00	186.00	0.00	0.00	114.00	115.00	3.00
13	7.4	7.4	7.8	7.8	176.00	179.00	0.00	0.00	114.00	115.00	4.00
14	7.4	7.3	7.8	7.8	182.00	177.00	0.00	0.00	115.00	112.00	0.00
15	7.4	7.3	7.8	7.8	181.00	178.00	0.00	0.00	113.00	114.00	0.00
16	7.5	7.4	7.8	7.8	177.00	179.00	0.00	0.00	112.00	114.00	1.00
17	7.4	7.3	7.8	7.8	177.00	175.00	0.00	0.00	114.00	114.00	2.00
18	7.5	7.3	7.9	7.8	180.00	177.00	0.00	0.00	117.00	117.00	3.00
19	7.5	7.4	7.9	7.8	179.00	179.00	0.00	0.00	114.00	115.00	-5.00
20	7.4	7.4	7.9	7.8	172.00	182.00	0.00	0.00	111.00	113.00	2.00
21	7.4	7.3	7.8	7.8	180.00	180.00	0.00	0.00	116.00	115.00	0.00
22	7.5	7.4	7.8	7.8	172.00	174.00	0.00	0.00	111.00	113.00	1.00
23	7.4	7.3	7.8	7.8	175.00	173.00	0.00	0.00	175.00	173.00	1.00
24	7.5	7.3	7.9	7.8	174.00	177.00	0.00	0.00	115.00	114.00	1.00
25	7.4	7.4	7.9	7.9	176.00	175.00	0.00	0.00	113.00	115.00	5.00
26	7.5	7.4	7.9	7.8	176.00	175.00	0.00	0.00	113.00	112.00	-2.00
27	7.5	7.4	7.9	7.8	170.00	173.00	0.00	0.00	109.00	112.00	-3.00
28	7.5	7.4	7.9	7.9	176.00	171.00	0.00	0.00	113.00	109.00	-1.00
29	7.5	7.3	7.9	7.9	173.00	169.00	0.00	0.00	110.00	109.00	1.00
30	7.5	7.4	7.9	7.8	170.00	171.00	0.00	0.00	110.00	111.00	0.00
31											
AVG					181	181	0	0	116	116	1
MAX	7.5	7.4	7.9	7.9	196	202	0	0	175	173	5
MIN	7.2	7.1	7.7	7.7	170	169	0	0	109	109	-5

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

Month: June
Year: 2023

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	0.08	0.02	0.02	0.02	0.03	0.02	3.83	3.95	3.96	3.96	3.93	3.92
2	0.08	0.02	0.02	0.02	0.02	0.03	4.01	3.83	3.94	4.00	4.00	4.04
3	0.05	0.02	0.02	0.02	0.02	0.02	3.83	4.00	3.99	3.95	3.93	3.85
4	0.04	0.02	0.02	0.05	0.02	0.02	3.86	3.78	3.76	3.77	3.75	3.70
5	0.03	0.02	0.02	0.02	0.02	0.02	3.90	3.91	3.92	3.89	3.89	3.86
6	0.05	0.02	0.02	0.02	0.02	0.02	3.84	3.94	3.98	3.96	3.94	3.91
7	0.03	0.02	0.02	0.02	0.02	0.02	3.87	3.80	3.79	3.78	3.78	3.84
8	0.03	0.02	0.02	0.02	0.02	0.02	3.73	3.83	3.79	3.76	3.70	3.64
9	0.04	0.02	0.02	0.02	0.02	0.02	3.90	3.82	3.89	3.91	3.91	3.85
10	0.04	0.02	0.02	0.02	0.02	0.02	3.79	3.89	3.86	3.87	3.85	3.80
11	0.05	0.02	0.02	0.02	0.02	0.02	3.78	3.76	3.73	3.78	3.86	3.76
12	0.03	0.02	0.02	0.02	0.02	0.03	3.88	3.93	3.92	3.92	3.89	3.87
13	0.02	0.02	0.02	0.02	0.02	0.02	3.93	3.89	3.90	3.87	3.86	3.89
14	0.02	0.02	0.02	0.02	0.02	0.02	4.01	4.00	3.99	4.00	3.91	3.92
15	0.02	0.02	0.02	0.02	0.02	0.02	3.91	4.02	4.07	4.03	3.95	3.86
16	0.02	0.02	0.02	0.02	0.02	0.02	3.93	3.91	3.94	4.01	3.99	3.95
17	0.02	0.02	0.02	0.02	0.02	0.02	3.96	3.90	3.87	3.86	3.87	3.94
18	0.02	0.02	0.02	0.02	0.03	0.02	3.71	3.89	3.99	3.88	3.78	3.72
19	0.03	0.02	0.03	0.02	0.02	0.02	4.00	3.73	3.77	3.79	3.87	3.97
20	0.03	0.02	0.03	0.03	0.03	0.03	3.76	3.96	3.96	3.88	3.81	3.72
21	0.04	0.03	0.04	0.04	0.03	0.03	3.92	3.86	3.86	3.87	3.88	4.00
22	0.04	0.05	0.05	0.05	0.04	0.03	3.57	3.74	3.65	3.62	3.58	3.59
23	0.04	0.03	0.04	0.03	0.03	0.06	3.46	3.48	3.50	3.62	3.66	3.84
24	0.04	0.03	0.05	0.06	0.09	0.07	3.39	3.47	3.78	3.80	3.57	3.45
25	0.05	0.04	0.08	0.03	0.03	0.03	3.92	3.45	3.54	3.60	3.64	3.86
26	0.03	0.05	0.03	0.04	0.03	0.04	3.79	3.85	3.81	3.81	3.79	3.78
27	0.04	0.04	0.05	0.06	0.04	0.06	3.91	3.88	3.83	3.86	3.97	3.93
28	0.05	0.05	0.04	0.03	0.04	0.03	3.94	3.91	3.94	3.99	4.02	3.96
29	0.02	0.05	0.09	0.04	0.06	0.02	3.88	4.02	4.06	4.01	3.85	3.84
30	0.02	0.02	0.02	0.02	0.02	0.02	4.01	3.95	4.00	4.03	4.06	4.08
31												
AVG	0.04	0.03	0.03	0.03	0.03	0.03	3.8	3.8	3.9	3.9	3.9	3.8
MAX	0.08	0.05	0.09	0.06	0.09	0.07	4.0	4.0	4.1	4.0	4.1	4.1
MIN	0.02	0.02	0.02	0.02	0.02	0.02	3.4	3.5	3.5	3.6	3.6	3.5

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	180
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PWSID 1021508

SYSTEM

COBA WTP

MONTH June

*Type of Material Applied

Hydrofluosilicic Acid

YEAR 2023

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	16,339	40	0.29	0.32	0.13	0.70	0.52
2	16,345	45	0.33	0.48	0.45	0.77	0.77
3	14,894	38	0.31	0.22	0.30	0.49	0.63
4	12,369	32	0.31	0.22	0.42	0.59	0.76
5	15,026	39	0.31	0.33	0.37	0.65	0.67
6	15,852	41	0.31	0.21	0.30	0.65	0.65
7	15,151	39	0.31	0.36	0.32	0.67	0.63
8	14,259	36	0.31	0.35	0.29	0.72	0.57
9	15,823	41	0.31	0.37	0.34	0.75	0.79
10	12,955	33	0.31	0.23	0.30	0.68	0.62
11	13,772	36	0.31	0.37	0.35	0.78	0.76
12	15,491	40	0.31	0.38	0.37	0.71	0.69
13	14,188	36	0.31	0.47	0.28	0.63	0.60
14	14,517	37	0.31	0.32	0.42	0.64	0.80
15	15,463	40	0.31	0.32	0.33	0.57	0.42
16	15,143	39	0.31	0.20	0.52	0.61	0.85
17	15,147	38	0.30	0.33	0.44	0.68	0.70
18	10,955	11	0.12	0.27	0.33	0.57	0.52
19	13,948	20	0.17	0.36	0.32	0.50	0.61
20	14,502	37	0.30	0.35	0.33	0.36	0.61
21	15,541	38	0.30	0.35	0.36	0.64	0.73
22	13,489	36	0.32	0.42	0.27	0.71	0.67
23	16,597	41	0.29	0.32	0.27	0.73	0.60
24	15,291	42	0.33	0.36	0.36	0.69	0.73
25	16,779	42	0.30	0.21	0.41	0.68	0.69
26	17,968	47	0.32	0.37	0.38	0.67	0.65
27	15,781	39	0.30	0.30	0.38	0.58	0.71
28	16,433	43	0.31	0.35	0.41	0.63	0.73
29	18,963	49	0.31	0.47	0.41	0.76	0.71
30	19,606	50	0.31	0.21	0.50	0.44	0.82
31							
Total	458,586	1,146					
Avg.	15,286	38	0.30	0.33	0.36	0.64	0.67

*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

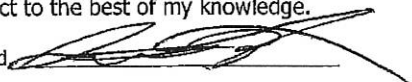
Oklahoma City, OK 73117-1299

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 

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: June

PWS ID No.:

OK 1021508

Year: 2023

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	8:46	229 W Edgewater St	3.40	JM	16:58	1009 E Fargo St	3.50	JM
2	11:30	1208 W Durham St.	3.00	JM	13:58	3405 N Battle Creek Dr	3.50	JM
3	11:50	601 N Palm Ave.	3.10	SB	12:20	12314 E 126th Pl	3.30	SB
4	11:25	7213 S. Dennis Blvd.	3.40	R.M.	12:18	5005 S. Lions Ave.	3.30	R.M.
5	11:45	2925 N. 22nd St.	3.50	J.M.	16:16	2641 W. Dallas St.	3.00	J.M.
6	11:14	1601 S. Yellowwood Ave.	3.00	J.M.	15:23	1515 E. New Orleans Pl.	3.60	J.M.
7	11:38	2409 S. 7th St.	3.10	J.M.	15:36	705 N. Indianwood Ave.	2.80	J.M.
8	10:50	3805 W. Hartford St.	2.60	J.M.	14:24	1629 East Boston	2.20	A.P.
9	11:37	4205 W Orlando St.	3.10	JM	14:33	418 E Freeport St.	3.10	JM
10	11:50	322 W Detroit St.	2.80	ME	12:50	4121 E Omaha St.	2.90	ME
11	11:28	1805 S. Cedar Ave.	2.90	T.R.	12:49	2700 N. 7th St.	3.40	T.R.
12	10:48	2501 E. Princeton St.	3.00	J.M.	15:04	2013 W. Delmar St.	3.20	J.M.
13	11:08	1401 W. Glendale St.	2.70	J.M.	13:50	1105 N. Yellowwood Ave.	2.90	J.M.
14	11:00	8509 E. Lansing St.	3.70	J.M.	15:16	1925 W. Oak Ridge St.	3.20	J.M.
15	10:06	1509 S Gum Pl	3.30	J.M.	15:17	1414 N. 19th St.	3.40	J.M.
16	8:33	103 S Butternut Ave.	2.90	J.M.	15:41	505 S 27th St	3.50	J.M.
17	11:41	2513 E. Dallas St.	3.30	S.B	12:20	5005 S. Lions Ave	3.20	S.B
18	11:32	2700 N. 7th St.	3.40	T.R.	12:21	204 E. Kansas St.	3.40	T.R.
19	11:41	8728 E. Iola St.	3.20	J.M.	15:40	2612 W. Fredericksburg St.	2.80	J.M.
20	11:41	4116 W. Jackson St.	2.60	J.M.	15:16	1400 W. Grainger St.	2.90	J.M.
21	10:30	801 W. New Orleans St.	2.80	J.M.	16:30	822 W. Norman St.	2.80	J.M.
22	11:30	2109 W. Gary St.	3.40	J.M.	15:16	356 N. Butternut Ave.	3.00	J.M.
23	10:22	1213 E. Toledo St.	3.00	J.M	15:05	3713 W. Urbana St.	2.90	J.M
24	11:39	1301 N 53rd St	3.40	ME	12:34	605 S Elder Ave	2.60	ME
25	11:55	6575 369th E. Ave.	2.90	R.M.	12:37	702 E. Mason Dr.	2.80	R.M.
26	11:51	608 N. Village Ave.	3.30	J.M.	15:19	2301 W. Washington Pl.	3.20	J.M.
27	11:16	1400 N. Willow Ave.	2.80	J.M.	16:22	1034 W. Boston St.	3.00	J.M.
28	10:50	4601 S. Cypress Ave.	2.80	J.M.	13:59	2605 E. Dallas St.	3.50	J.M.
29	10:45	12710 E. 134th St. S.	2.80	J.M.	15:50	1314 N. Beech Ct.	2.70	J.M.
30	10:32	9555 S 187th E Ave.	3.30	JM	14:45	3112 S Hemlock Ct.	3.20	JM

Average 3.08

Min. 2.60

Max. 3.70

Average 3.09

Min. 2.20

Max. 3.60