

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

Reporting Period: [October] [2024]



Operating Data Summary

Water Production (MG)

	Month	Average Day
Raw Water Treated	482.01	15.5
Finished Water	461.07	14.9

Monthly Chemical Usage (Non-Membrane Usage)

Chemical	Total lbs	lbs/Finished MG
Sodium Hypochlorite	31,461	974.8
Salt (for hypo generation)	94,384	2,924.4
Liquid Ammonium Sulfate	4,614	9.5
Sodium Permanganate	2,203	2.5
Aluminum Chlorohydrate	126,451	49.1
Sodium Hydroxide	7,300	6.1
Hydrofluosilicic Acid	1,587	1.9

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	0.031	
No. Samples > 1 NTU	0	
No. Samples > 5 NTU	0	

Monthly Costs

	Total	\$/Finished MG	\$/1000 gal
Plant Electricity	\$81,619.69	\$177.02	\$0.1770
Total Chemical	\$140,975.64	\$305.75	\$0.3058
Total Labor	\$114,952.60	\$249.31	\$0.2493
Services	\$76,117.73	\$165.09	\$0.1651
Materials and Supplies	\$42,578.99	\$92.35	\$0.0923
Equipment Expenses	\$11,720.27	\$25.42	\$0.0254
Total	\$467,964.92	\$1,014.94	\$1.0149

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: LouAnn Fisher 11/8/2024
Date

Title: Water Plant Manager

Operator Certificate No. 25369

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

Month:
Year

November
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	10.83	16.16	15.15		0.65
2	10.84	16.51	15.73		0.65
3	10.95	15.93	15.10		0.65
4	20.70	15.37	15.72		0.65
5	20.53	15.47	14.93		0.65
6	20.50	15.98	15.32		0.64
7	20.43	16.57	16.54		0.65
8	20.31	15.85	14.99		0.66
9	20.22	15.98	16.40		0.64
10	20.15	16.68	15.81		0.65
11	20.12	17.22	16.64		0.65
12	20.06	15.38	15.30		0.65
13	19.95	17.08	15.41		0.65
14	10.19	13.99	15.49		0.64
15	10.29	16.54	14.94		0.65
16	10.36	14.22	14.24		0.64
17	10.39	14.76	13.71		0.64
18	10.39	15.90	15.96		0.63
19	10.41	16.60	13.88		0.64
20	10.45	13.05	14.51		0.63
21	10.54	15.86	15.52		0.69
22	20.45	14.89	15.76		0.79
23	20.34	17.55	15.58		0.92
24	20.35	15.56	13.79		0.85
25	20.48	16.62	14.99		0.84
26	20.37	14.75	13.66		0.83
27	20.16	15.30	14.26		0.77
28	20.07	13.61	14.46		0.72
29	19.89	16.13	13.87		0.80
30	10.50	14.37	13.10		0.24
31	10.58	12.10	10.32		0.79
TOTAL	501.83	482.01	461.07	0.00	21.18
AVG	16.19	15.55	14.87	#DIV/0!	0.68
MAX	20.70	17.55	16.64	0.00	0.92
MIN	10.19	12.10	10.32	0.00	0.24

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

Month: November
 Year: 2024

TOTAL CHEMICAL COST:	\$140,976		
Cost Per MG Treated	\$292.48	Cost Per MG Delivered	\$305.75
Million Gallons Treated	482.01	Million Gallons Delivered	461.07

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	13,847	969.32	156.5	163.99	24.6	47.55	799	4466.07	125.5	327.20	29.6	53.90
2	16,099	1126.94	158.0	165.57	24.6	47.60	824	4603.93	79.5	207.19	30.6	55.73
3	14,350	1004.51	142.5	149.34	24.6	47.63	745	4162.03	72.1	187.95	27.6	50.31
4	14,053	983.69	151.5	158.81	47.0	90.87	781	4364.01	75.3	196.36	28.9	52.62
5	12,805	896.38	152.6	159.95	46.6	90.11	769	4295.60	74.5	194.27	28.6	52.04
6	13,128	918.94	156.9	164.38	46.5	89.98	802	4483.15	77.6	202.26	29.8	54.25
7	14,141	989.84	158.7	166.33	46.3	89.66	815	4553.00	81.0	211.13	31.1	56.72
8	13,286	930.00	134.6	141.08	46.1	89.16	696	3891.50	71.6	186.69	27.4	49.98
9	14,140	989.78	147.0	154.02	45.9	88.76	758	4238.31	78.0	203.36	30.0	54.59
10	15,473	1083.08	155.9	163.34	45.7	88.47	805	4498.71	82.6	215.30	31.8	57.90
11	15,631	1094.15	144.1	151.04	45.7	88.35	747	4174.13	76.6	199.54	29.4	53.54
12	16,975	1188.28	149.7	156.90	45.5	88.06	773	4318.21	79.4	207.04	30.5	55.61
13	15,974	1118.19	141.6	148.37	45.4	87.91	722	4032.60	76.4	199.08	28.4	51.65
14	15,798	1105.84	144.3	151.25	23.2	44.82	719	4015.14	92.4	240.85	28.4	51.69
15	15,181	1062.64	149.2	156.40	23.3	45.16	743	4152.54	105.3	274.38	29.2	53.12
16	14,419	1009.32	141.8	148.60	23.5	45.48	714	3989.42	100.3	261.41	27.8	50.62
17	13,031	912.20	123.0	128.88	23.6	45.62	625	3493.03	88.1	229.54	24.3	44.34
18	16,224	1135.67	152.4	159.69	23.6	45.61	782	4367.08	109.7	285.79	30.5	55.49
19	14,478	1013.49	136.9	143.46	23.6	45.71	709	3959.19	99.0	257.99	27.4	49.98
20	13,750	962.50	126.3	132.38	23.7	45.86	652	3644.68	91.4	238.29	25.3	46.12
21	15,783	1104.82	153.6	160.97	23.7	45.94	772	4313.65	109.1	284.28	30.3	55.17
22	15,216	1065.12	150.3	157.49	46.3	89.67	761	4251.46	107.2	279.43	29.8	54.23
23	15,267	1068.71	150.6	157.88	46.2	89.29	773	4318.41	107.9	281.23	29.9	54.54
24	14,105	987.32	131.9	138.21	46.2	89.32	688	3841.96	94.7	246.74	26.2	47.74
25	15,142	1059.91	140.1	146.78	46.5	89.92	728	4069.16	100.4	261.72	27.8	50.70
26	14,095	986.62	129.2	135.45	46.2	89.46	678	3789.47	93.4	243.44	25.9	47.12
27	14,376	1006.31	133.3	139.70	45.7	88.49	694	3877.70	96.4	251.37	26.7	48.67
28	13,587	951.09	127.1	133.17	45.5	88.10	666	3721.50	92.1	240.04	25.5	46.39
29	14,607	1022.48	137.4	143.95	45.3	87.64	708	3957.57	99.4	259.05	27.5	50.15
30	13,565	949.54	126.6	132.64	23.9	46.15	668	3732.73	91.7	239.12	25.4	46.21
31	10,925	764.73	99.2	103.92	24.0	46.45	515	2875.44	72.0	187.75	19.8	36.05
TOTAL	449,449	31,461	4,403	4,614	1,138	2,203	22,630	126,451	2,801	7,300	871	1,587
AVG	14,498	1014.88	142	148.84	37	71.06	730	4079.08	90	235.48	28	51.20
MAX	16,975	1188.28	159	166.33	47	90.87	824	4603.93	126	327.20	32	57.90
MIN	10,925	764.73	99	103.92	23	44.82	515	2875.44	72	186.69	20	36.05
COST	\$17,301.10		\$7,973.58		\$16,256.80		\$88,515.97		\$6,131.80		\$4,796.39	
\$/MG	\$35.89		\$16.54		\$33.73		\$183.64		\$12.72		\$9.95	

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

Month: November
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	7.7	7.6	8.2	8.0	118.00	119.00	0.00	0.00	97.00	99.00	4.00
2	7.7	7.6	8.1	8.0	120.00	120.00	0.00	0.00	96.00	94.00	6.00
3	7.8	7.7	8.0	8.0	119.00	121.00	0.00	0.00	97.00	97.00	4.00
4	7.8	7.6	8.0	7.9	122.00	123.00	0.00	0.00	100.00	96.00	4.00
5	7.8	7.6	7.9	7.9	119.00	125.00	0.00	0.00	95.00	96.00	4.00
6	7.8	7.6	7.9	7.9	123.00	121.00	0.00	0.00	99.00	96.00	1.00
7	7.8	7.6	8.0	7.9	121.00	121.00	0.00	0.00	97.00	96.00	6.00
8	7.7	7.7	8.0	7.9	121.00	120.00	0.00	0.00	98.00	96.00	1.00
9	7.7	7.6	7.9	7.9	122.00	124.00	0.00	0.00	98.00	102.00	1.00
10	7.7	7.6	7.9	7.8	123.00	123.00	0.00	0.00	100.00	99.00	4.00
11	7.6	7.6	7.8	7.8	125.00	126.00	0.00	0.00	104.00	101.00	2.00
12	7.7	7.6	7.8	7.8	129.00	125.00	0.00	0.00	103.00	103.00	2.00
13	7.7	7.6	7.9	7.8	127.00	127.00	0.00	0.00	105.00	103.00	6.00
14	7.7	7.6	8.0	7.9	122.00	126.00	0.00	0.00	100.00	104.00	1.00
15	7.7	7.6	8.0	8.0	123.00	125.00	0.00	0.00	101.00	103.00	3.00
16	7.7	7.6	8.0	8.0	127.00	133.00	0.00	0.00	104.00	105.00	1.00
17	7.7	7.7	8.1	8.0	127.00	129.00	0.00	0.00	102.00	104.00	4.00
18	7.7	7.7	8.1	8.1	131.00	130.00	0.00	0.00	110.00	104.00	2.00
19	7.8	7.7	8.1	8.1	132.00	130.00	0.00	0.00	108.00	107.00	3.00
20	7.8	7.7	8.1	8.1	132.00	130.00	0.00	0.00	113.00	106.00	3.00
21	7.8	7.7	8.1	8.1	129.00	130.00	0.00	0.00	106.00	106.00	7.00
22	7.8	7.7	8.1	8.1	131.00	131.00	0.00	0.00	107.00	107.00	2.00
23	7.8	7.7	8.1	8.1	128.00	132.00	0.00	0.00	106.00	108.00	6.00
24	7.7	7.7	8.1	8.0	133.00	133.00	0.00	0.00	107.00	108.00	6.00
25	7.8	7.7	8.1	8.0	129.00	135.00	0.00	0.00	105.00	108.00	3.00
26	7.9	7.7	8.2	8.1	128.00	133.00	0.00	0.00	105.00	109.00	4.00
27	7.9	7.8	8.2	8.1	132.00	133.00	0.00	0.00	107.00	108.00	3.00
28	7.9	7.4	8.1	8.1	130.00	134.00	0.00	0.00	109.00	107.00	4.00
29	7.8	7.4	8.2	8.1	135.00	131.00	0.00	0.00	107.00	110.00	4.00
30	7.9	7.3	8.1	8.1	129.00	136.00	0.00	0.00	105.00	113.00	6.00
31	7.9	7.3	8.1	8.1	134.00	135.00	0.00	0.00	112.00	109.00	6.00
AVG					126	128	0	0	103	103	4
MAX	7.9	7.8	8.2	8.1	135	136	0	0	113	113	7
MIN	7.6	7.3	7.8	7.8	118	119	0	0	95	94	1

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

Month: November
 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	0.01	0.02	0.02	0.01	0.01	0.02	3.76	4.01	3.98	3.93	3.86	3.77
2	0.02	0.02	0.02	0.02	0.02	0.02	4.07	3.76	3.78	3.82	3.90	4.10
3	0.02	0.02	0.01	0.01	0.01	0.02	4.08	3.92	3.86	3.83	3.84	3.92
4	0.02	0.02	0.02	0.02	0.02	0.01	4.01	4.09	4.05	4.03	4.03	4.02
5	0.02	0.02	0.02	0.02	0.02	0.02	3.89	4.02	3.98	3.96	3.93	3.89
6	0.02	0.02	0.02	0.02	0.02	0.02	3.81	3.89	3.88	3.88	3.86	3.82
7	0.02	0.02	0.02	0.02	0.02	0.02	3.71	3.81	3.79	3.77	3.58	3.68
8	0.02	0.02	0.02	0.02	0.02	0.02	3.65	3.68	3.69	3.70	3.69	3.67
9	0.02	0.02	0.02	0.02	0.02	0.02	3.69	3.64	3.64	3.68	3.69	3.71
10	0.02	0.02	0.02	0.02	0.02	0.02	3.67	3.66	3.67	3.68	3.69	3.67
11	0.02	0.02	0.02	0.02	0.02	0.02	3.67	3.64	3.61	3.61	3.67	3.70
12	0.02	0.02	0.02	0.02	0.02	0.02	3.78	3.66	2.89	3.69	3.72	3.78
13	0.02	0.02	0.02	0.02	0.02	0.02	3.72	3.78	3.74	3.74	3.74	3.75
14	0.02	0.02	0.02	0.02	0.02	0.02	3.95	3.80	3.80	3.81	3.84	3.94
15	0.02	0.02	0.02	0.02	0.02	0.02	3.81	3.95	3.97	3.92	3.88	3.84
16	0.01	0.02	0.02	0.02	0.02	0.02	3.82	3.76	3.72	3.69	3.79	3.76
17	0.02	0.01	0.02	0.02	0.02	0.02	3.69	3.77	3.74	3.71	3.67	3.66
18	0.02	0.01	0.02	0.02	0.01	0.01	3.95	3.74	3.77	3.80	3.89	3.88
19	0.01	0.02	0.02	0.01	0.01	0.01	3.74	3.94	3.91	3.88	3.83	3.78
20	0.02	0.01	0.01	0.02	0.02	0.03	3.91	3.69	3.64	3.63	3.64	3.83
21	0.02	0.02	0.02	0.02	0.01	0.01	3.82	3.96	3.95	3.95	3.96	3.87
22	0.02	0.02	0.02	0.02	0.02	0.01	3.84	3.70	3.78	3.73	3.78	3.82
23	0.02	0.01	0.02	0.02	0.02	0.02	3.76	3.85	3.85	3.85	3.84	3.82
24	0.02	0.01	0.02	0.02	0.02	0.02	3.71	3.71	3.63	3.65	3.64	3.64
25	0.02	0.02	0.02	0.02	0.02	0.02	3.79	3.79	3.85	3.87	3.92	3.87
26	0.02	0.02	0.02	0.02	0.02	0.02	3.81	3.73	3.71	3.73	3.79	3.84
27	0.02	0.02	0.02	0.02	0.02	0.02	3.81	3.88	3.90	3.88	3.87	3.85
28	0.02	0.02	0.02	0.02	0.02	0.02	3.75	3.77	3.71	3.73	3.74	3.75
29	0.02	0.02	0.02	0.02	0.02	0.02	3.82	3.79	3.82	3.87	3.84	3.81
30	0.03	0.02	0.02	0.02	0.02	0.02	3.77	3.80	3.80	3.80	3.79	3.70
31	0.02	0.03	0.02	0.02	0.02	0.02	3.60	3.75	3.75	3.73	3.65	3.62
AVG	0.02	0.02	0.02	0.02	0.02	0.02	3.8	3.8	3.8	3.8	3.8	3.8
MAX	0.03	0.03	0.02	0.02	0.02	0.03	4.1	4.1	4.1	4.0	4.0	4.1
MIN	0.01	0.01	0.01	0.01	0.01	0.01	3.6	3.6	2.9	3.6	3.6	3.6

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 November

*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	15,150	54	0.43	0.62	0.26	1.59	0.71
2	15,728	56	0.42	0.76	0.35	1.66	0.74
3	15,097	50	0.40	0.63	0.28	1.56	0.54
4	15,715	53	0.40	0.50	0.28	1.25	0.81
5	14,934	52	0.42	0.42	0.27	1.38	0.61
6	15,321	54	0.42	0.40	0.30	1.64	0.81
7	16,539	57	0.41	0.60	0.14	1.36	0.55
8	14,987	50	0.40	0.43	0.24	1.42	0.75
9	16,402	55	0.40	0.61	0.27	1.43	0.67
10	15,813	58	0.44	0.62	0.48	1.45	0.84
11	16,637	54	0.39	0.68	0.36	1.43	0.66
12	15,301	56	0.44	0.57	0.26	1.47	0.71
13	15,407	52	0.40	0.64	0.45	1.47	0.96
14	15,489	52	0.40	0.74	0.24	1.70	0.76
15	14,939	53	0.43	0.60	0.38	1.51	0.80
16	14,244	51	0.43	0.84	0.42	1.42	0.73
17	13,712	44	0.39	0.65	0.38	1.63	0.78
18	15,958	55	0.42	0.84	0.45	1.54	0.79
19	13,878	50	0.43	0.55	0.49	1.37	0.86
20	14,513	46	0.38	0.82	0.37	1.67	0.88
21	15,523	55	0.43	0.86	0.62	1.71	1.03
22	15,761	54	0.41	0.74	0.32	1.41	0.71
23	15,584	55	0.42	0.82	0.40	1.50	0.81
24	13,786	48	0.42	0.69	0.54	1.70	1.04
25	14,985	51	0.41	0.84	0.39	1.50	0.74
26	13,657	47	0.41	0.88	0.42	1.70	0.82
27	14,264	49	0.41	0.63	0.38	1.42	0.89
28	14,456	46	0.38	0.46	0.30	1.28	0.66
29	13,873	50	0.43	0.79	0.12	1.42	0.56
30	13,103	46	0.42	0.67	0.34	1.59	0.75
31	10,322	36	0.42	0.62	0.29	1.30	0.61
Total	461,075	1,587					
Avg.	14,873	51	0.41	0.66	0.35	1.50	0.76

*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 *Lou Ann Fisher*

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: October

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	10:23	4121 E. Omaha St.	2.50	A.R.	12:11	1729 S. Pine Ave.	2.90	A.R.	
2	10:50	3706 S. Orange Cir.	3.50	J.S.	14:40	701 E. Delmar St.	3.70	J.S.	
3	08:55	2005 W. Broadway St.	3.40	A.R.	13:30	2513 E. Dallas St.	3.70	A.R.	
4	8:26	800 E Seattle St	3.60	ML	13:40	901 W Albuquerque St	3.40	ML	
5	7:26	6057 S. 353rd E Ave.	3.00	ME	12:15	36500 E 66th St S	4.10	ME	
6	11:37	2700 N. 7th St.	3.40	T.R.	12:50	411 E. Commercial St.	3.80	T.R.	
7	08:48	4421 W. Oakland St.	3.20	M.L.	12:18	1817 S. Date Ave.	3.50	M.L.	
8	08:24	608 E. Pensacola St.	3.40	M.L.	13:31	2909 E. Montpelier St.	3.20	M.L.	
9	09:23	1210 N. 28th St.	3.40	M.L.	12:11	3801 W. Toledo St.	3.30	M.L.	
10	08:20	500 N. Joshua Ave.	3.10	M.L.	13:48	2513 E. Dallas St.	2.90	M.L.	
11	8:43	3803 S Walnut Pl	3.20	ML	12:16	1817 N 8th St	3.50	ML	
12	11:40	4121 E Omaha St.	3.00	ME	12:45	708 W Waco St.	3.40	ME	
13	11:38	702 E. Mason Dr.	3.20	R.M.	12:04	7213 S. Dennis Blvd.	3.60	R.M.	
14	08:35	608 E. Pensacola St.	3.50	A.R.	12:08	3601 N. Battle Creek Dr.	3.40	A.R.	
15	09:14	7213 S. Dennis Blvd.	3.90	A.R.	12:24	3309 W. Pittsburg St.	3.00	A.R.	
16	8:56	2321 W. Nashville Ct.	2.50	M.L.	12:28	3706 S. Orange Cir.	3.10	M.L.	
17	08:57	5005 S. Lions Ave.	3.30	M.L.	12:26	702 E. Mason Dr.	3.30	M.L.	
18	09:23	812 N. Aster Ave	3.50	M.L	12:36	408 E. Helena St.	3.30	M.L	
19	11:47	7900 E. Norman St.	3.90	S.B	12:17	804 N. 1st St.	3.30	S.B	
20	11:50	25695 E. 71st St. S.	3.30	T.R.	12:48	2400 W. Omaha St.	3.70	T.R.	
21	10:38	1915 S. Lions Ave.	3.40	M.L.	12:34	1903 W. Rockport Pl.	3.20	M.L.	
22	10:12	12314 E. 126th Pl.	3.20	M.L.	12:52	1817 S. Date Ave.	3.40	M.L.	
23	08:54	322 W. Detroit St.	3.10	M.L.	12:41	4121 E. Omaha St.	2.50	M.L.	
24	10:48	501 S. 25th St.	3.40	M.L.	12:51	309 N. Magnolia Ave.	3.50	M.L.	
25	09:53	1629 E. Atlanta St.	3.60	M.L	12:43	2605 W. Iola St.	3.50	M.L	
26	11:50	322 W Detroit St.	3.20	ME	12:20	608 E Pensacola St.	3.30	ME	
27	11:48	7900 E. Norman	3.90	R.M.	12:13	702 E. Mason Dr.	3.70	R.M.	
28	10:31	1005 N. Willow Ave.	3.60	A.R.	12:27	4608 W. Eagle Pass St.	2.90	A.R.	
29	10:27	1700 S. Walnut Ave.	3.20	A.R.	13:46	5300 E. Kenosha St.	3.70	A.R.	
30	08:23	2017 S. 12th St.	3.50	M.L.	13:38	1303 E. Boise Pl.	3.50	M.L.	
31	09:31	6705 S. Oak Ave	3.50	M.L	12:00	600 E. Seattle St.	3.60	M.L	
			Average	3.34				Average	3.38
			Min.	2.50				Min.	2.50
			Max.	3.90				Max.	4.10