

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

**Reporting Period: [September] [2024]**



**Operating Data Summary**

**Water Production (MG)**

	Month	Average Day
Raw Water Treated	486.53	16.2
Finished Water	472.71	15.8

**Monthly Chemical Usage (Non-Membrane Usage)**

Chemical	Total lbs	lbs/Finished MG
Sodium Hypochlorite	31,132	940.9
Salt (for hypo generation)	93,397	2,822.6
Liquid Ammonium Sulfate	4,707	9.5
Sodium Permanganate	2,075	2.3
Aluminum Chlorohydrate	131,569	49.8
Sodium Hydroxide	10,708	8.7
Hydrofluosilicic Acid	1,588	1.8

**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	0.036	
No. Samples > 1 NTU	0	
No. Samples > 5 NTU	0	

**Monthly Costs**

	Total	\$/Finished MG	\$/1000 gal
Plant Electricity	\$94,875.22	\$200.71	\$0.2007
Total Chemical	\$146,463.16	\$309.84	\$0.3098
Total Labor	\$115,536.33	\$244.41	\$0.2444
Services	\$8,113.62	\$17.16	\$0.0172
Materials and Supplies	\$4,929.10	\$10.43	\$0.0104
Equipment Expenses	\$7,873.52	\$16.66	\$0.0167
<b>Total</b>	<b>\$377,790.95</b>	<b>\$799.21</b>	<b>\$0.7992</b>

**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? <b>No, Go to Question 3.</b> <b>Yes, What date was the membrane profile completed?</b> _____ DID THIS SAME MEMBRANE UNIT EXCEED 2.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST MONTH? <b>No, Go to Question 3.</b> <b>Yes, Schedule Comprehensive Performance Evaluation (CPE) with DEQ.</b>	NO
3. DID ANY SINGLE MEMBRANE UNIT EXCEED 1.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS? <b>No, Go to Question 4.</b> <b>Yes, What date was the filter profile completed?</b> _____ DID THIS SAME MEMBRANE UNIT FILTER EXCEED 1.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST 2 MONTHS? <b>No, Go to Question 4.</b> <b>Yes, What date was the membrane self-assessment completed?</b> _____	NO
4. DID ANY SINGLE MEMBRANE UNIT EXCEED 0.5 NTU IN 2 CONSECUTIVE 15-MIN PERIODS AT THE END OF 4 HRS OF OPERATION? <b>No, You are finished with the checklist.</b> <b>Yes, What date was the membrane profile completed?</b> _____	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: Paul Ann Fisher 10/10/2024  
Date

Title: Water Plant Manager

Operator Certificate No. 25369

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

Month: \_\_\_\_\_  
Year \_\_\_\_\_

September  
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	20.12	14.80	13.81		0.70
2	20.09	16.87	17.35		0.69
3	14.10	16.31	15.87		0.68
4	10.64	17.06	16.68		0.67
5	10.69	17.03	16.49		0.67
6	10.73	17.90	16.91		0.69
7	19.01	15.92	16.95		0.64
8	20.41	18.28	16.63		0.64
9	20.39	18.68	17.35		0.65
10	20.30	17.27	16.25		0.65
11	20.27	17.44	17.15		0.65
12	20.28	16.73	16.53		0.67
13	20.30	18.38	17.83		0.68
14	20.27	16.50	16.54		0.67
15	18.45	17.37	17.16		0.67
16	10.29	18.95	18.56		0.68
17	10.35	17.55	16.08		0.66
18	10.52	17.89	17.46		0.67
19	20.67	18.24	17.67		0.67
20	20.56	16.07	14.70		0.67
21	20.43	15.27	14.87		0.66
22	20.34	15.33	14.78		0.65
23	20.12	14.97	13.74		0.67
24	10.68	12.44	11.84		0.65
25	10.69	12.32	12.12		0.65
26	8.83	13.59	12.83		0.66
27	10.80	13.30	14.06		0.63
28	10.79	15.32	14.36		0.65
29	10.80	14.09	14.92		0.66
30	10.80	14.70	15.19		0.64
31					
<b>TOTAL</b>	<b>472.70</b>	<b>486.53</b>	<b>472.71</b>	<b>0.00</b>	<b>19.88</b>
AVG	15.76	16.22	15.76	#DIV/0!	0.66
MAX	20.67	18.95	18.56	0.00	0.70
MIN	8.83	12.32	11.84	0.00	0.63

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

Month: September  
 Year: 2024

<b>TOTAL CHEMICAL COST:</b>	<b>\$146,463</b>			
Cost Per MG Treated	\$301.03	Cost Per MG Delivered	\$309.84	
Million Gallons Treated	486.53	Million Gallons Delivered	472.71	

**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	13,910	973.73	127.0	133.13	45.6	88.27	646	3607.30	108.2	282.02	18.9	34.35
2	17,650	1235.51	168.2	176.30	45.6	88.17	859	4801.01	144.4	376.32	25.3	46.07
3	15,759	1103.10	144.5	151.41	32.2	62.27	738	4126.29	124.3	323.94	25.5	46.38
4	16,772	1174.04	159.4	167.00	24.1	46.71	814	4545.93	136.9	356.68	31.9	58.18
5	16,330	1143.11	154.8	162.19	24.3	46.93	788	4403.48	133.2	347.04	31.0	56.51
6	16,281	1139.65	162.2	170.02	24.3	47.10	827	4618.68	139.5	363.48	32.5	59.23
7	15,900	1112.97	160.4	168.12	42.9	83.04	815	4552.99	137.9	359.49	32.2	58.57
8	15,760	1103.17	158.3	165.91	46.3	89.59	804	4490.79	136.0	354.33	31.7	57.81
9	15,650	1095.50	164.7	172.64	46.3	89.50	838	4684.86	141.3	368.35	33.0	60.14
10	14,834	1038.39	153.4	160.77	46.1	89.11	784	4380.71	131.7	343.30	30.8	56.01
11	15,256	1067.89	161.5	169.29	46.0	88.98	825	4610.26	138.5	361.05	32.4	58.98
12	14,652	1025.61	154.8	162.23	46.0	89.01	818	4571.83	132.8	346.23	31.0	56.52
13	15,471	1083.00	169.4	177.56	46.1	89.14	917	5122.29	144.8	377.46	33.9	61.69
14	14,447	1011.32	157.0	164.57	46.0	88.96	840	4695.52	133.6	348.14	31.2	56.85
15	14,979	1048.52	163.5	171.33	42.1	81.41	874	4881.60	138.9	362.12	32.5	59.19
16	15,948	1116.33	177.1	185.63	23.3	45.15	947	5292.45	150.4	392.06	35.2	64.13
17	13,380	936.57	145.0	152.01	23.5	45.42	780	4356.74	123.6	322.07	28.8	52.52
18	15,854	1109.80	172.5	180.81	23.6	45.71	927	5178.96	169.4	441.61	34.3	62.46
19	15,703	1099.23	165.8	173.80	46.9	90.75	893	4988.20	168.8	440.01	33.0	60.04
20	14,063	984.43	141.3	148.07	46.7	90.27	761	4249.78	144.1	375.60	28.1	51.15
21	14,105	987.32	138.9	145.53	46.3	89.67	747	4175.98	141.0	367.37	27.4	49.99
22	14,768	1033.78	145.9	152.86	46.2	89.31	782	4370.26	147.5	384.43	28.7	52.36
23	12,920	904.39	126.0	132.02	45.9	88.74	679	3792.96	127.7	332.83	24.8	45.22
24	12,222	855.54	116.4	121.96	24.2	46.88	627	3504.06	118.1	307.84	22.9	41.78
25	11,946	836.19	113.0	118.41	24.2	46.91	608	3397.84	114.7	299.05	22.3	40.56
26	13,847	969.26	125.8	131.87	20.0	38.75	676	3775.56	126.9	330.68	24.7	44.93
27	13,944	976.05	132.6	138.92	24.5	47.39	694	3875.82	130.6	340.38	25.4	46.28
28	14,844	1039.08	144.2	151.10	24.5	47.36	753	4207.89	141.7	369.28	27.6	50.27
29	13,808	966.54	137.2	143.83	24.5	47.41	720	4021.63	135.7	353.80	26.4	48.14
30	13,749	962.45	150.5	157.77	24.5	47.44	767	4287.55	146.0	380.63	28.5	51.86
31												
TOTAL	444,749	31,132	4,491	4,707	1,073	2,075	23,546	131,569	4,108	10,708	872	1,588
AVG	14,825	1037.75	150	156.90	36	69.18	785	4385.64	137	356.92	29	52.94
MAX	17,650	1235.51	177	185.63	47	90.75	947	5292.45	169	441.61	35	64.13
MIN	11,946	836.19	113	118.41	20	38.75	608	3397.84	108	282.02	19	34.35
COST	\$17,120.20		\$8,134.57		\$15,316.20		\$92,098.45		\$8,994.36		\$4,799.37	
\$/MG	\$35.19		\$16.72		\$31.48		\$189.29		\$18.49		\$9.86	

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

Month: September  
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 <sub>3</sub> )				CaCO <sub>3</sub> Stability
	Daily Max	Daily Min	Daily Max	Daily Min	AM	PM	Phenol AM	Phenol PM	Total AM	Total PM	
1	7.5	7.4	7.9	7.8	133.00	124.00	0.00	0.00	94.00	94.00	2.00
2	7.5	7.4	8.0	7.9	123.00	126.00	0.00	0.00	92.00	93.00	-1.00
3	7.6	7.5	8.0	7.9	127.00	124.00	0.00	0.00	97.00	93.00	0.00
4	7.6	7.5	8.0	7.9	127.00	125.00	0.00	0.00	95.00	95.00	4.00
5	7.6	7.4	7.9	7.9	124.00	124.00	0.00	0.00	96.00	94.00	6.00
6	7.6	7.4	8.0	7.8	124.00	121.00	0.00	0.00	93.00	92.00	4.00
7	7.7	7.5	8.0	7.9	123.00	125.00	0.00	0.00	95.00	93.00	2.00
8	7.7	7.5	8.1	8.0	123.00	122.00	0.00	0.00	92.00	94.00	5.00
9	7.7	7.5	8.1	8.0	123.00	123.00	0.00	0.00	94.00	93.00	3.00
10	7.7	7.5	8.1	8.0	120.00	123.00	0.00	0.00	90.00	93.00	4.00
11	7.6	7.6	8.1	8.0	121.00	120.00	0.00	0.00	94.00	93.00	6.00
12	7.6	7.5	8.0	8.0	117.00	119.00	0.00	0.00	90.00	88.00	5.00
13	7.6	7.5	8.0	8.0	123.00	120.00	0.00	0.00	95.00	92.00	3.00
14	7.6	7.5	8.0	7.9	120.00	122.00	0.00	0.00	94.00	91.00	1.00
15	7.6	7.4	8.0	7.9	122.00	119.00	0.00	0.00	95.00	91.00	10.00
16	7.5	7.4	7.9	7.9	119.00	120.00	0.00	0.00	93.00	91.00	4.00
17	7.5	7.4	7.9	7.8	117.00	118.00	0.00	0.00	90.00	94.00	3.00
18	7.5	7.4	8.0	7.8	119.00	120.00	0.00	0.00	93.00	90.00	2.00
19	7.6	7.4	8.0	7.9	120.00	120.00	0.00	0.00	92.00	95.00	3.00
20	7.6	7.4	8.0	8.0	121.00	120.00	0.00	0.00	97.00	96.00	2.00
21	7.5	7.4	8.0	7.9	119.00	120.00	0.00	0.00	94.00	94.00	4.00
22	7.5	7.5	8.0	7.9	123.00	118.00	0.00	0.00	99.00	96.00	4.00
23	7.5	6.9	8.0	7.9	120.00	122.00	0.00	0.00	97.00	97.00	1.00
24	7.5	7.0	8.0	7.9	117.00	120.00	0.00	0.00	93.00	96.00	5.00
25	7.6	6.9	7.9	7.9	121.00	199.00	0.00	0.00	97.00	96.00	2.00
26	7.7	7.4	8.0	7.9	120.00	121.00	0.00	0.00	95.00	96.00	3.00
27	7.7	7.5	8.1	8.0	121.00	124.00	0.00	0.00	95.00	96.00	3.00
28	7.7	7.6	8.2	8.1	121.00	126.00	0.00	0.00	99.00	101.00	3.00
29	7.7	7.6	8.2	8.1	128.00	120.00	0.00	0.00	100.00	95.00	8.00
30	7.7	7.6	8.2	8.1	121.00	121.00	0.00	0.00	99.00	99.00	3.00
31											
<b>AVG</b>					<b>122</b>	<b>124</b>	<b>0</b>	<b>0</b>	<b>95</b>	<b>94</b>	<b>3</b>
MAX	7.7	7.6	8.2	8.1	133	199	0	0	100	101	10
MIN	7.5	6.9	7.9	7.8	117	118	0	0	90	88	-1

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

Month: September  
 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	0.02	0.02	0.02	3.75	3.78	3.75	3.74	3.76	3.77
2	0.03	0.02	0.03	0.02	0.02	0.02	3.96	3.72	3.75	3.87	3.95	3.99
3	0.02	0.02	0.02	0.02	0.02	0.02	3.91	3.93	3.91	3.89	3.89	3.89
4	0.02	0.02	0.02	0.02	0.02	0.02	3.96	3.91	3.89	3.79	3.95	3.97
5	0.02	0.02	0.02	0.02	0.02	0.02	3.92	3.90	3.87	3.89	3.92	3.92
6	0.02	0.02	0.02	0.02	0.02	0.02	3.95	3.91	3.83	3.85	3.89	3.91
7	0.02	0.02	0.02	0.02	0.02	0.02	3.95	3.91	3.89	3.89	3.93	3.97
8	0.02	0.02	0.02	0.02	0.02	0.02	4.08	3.90	3.89	3.94	3.96	4.03
9	0.02	0.02	0.02	0.02	0.03	0.02	3.93	4.01	4.00	4.02	4.02	4.01
10	0.02	0.02	0.02	0.03	0.02	0.03	3.92	3.92	3.97	3.99	3.99	3.98
11	0.02	0.02	0.02	0.03	0.02	0.02	3.99	3.91	3.95	3.99	4.05	4.05
12	0.02	0.02	0.02	0.02	0.02	0.02	4.01	3.93	3.93	3.95	3.97	3.98
13	0.02	0.03	0.02	0.02	0.02	0.02	3.97	3.97	4.00	3.99	3.96	3.97
14	0.02	0.02	0.02	0.02	0.02	0.02	3.96	3.92	3.89	3.89	3.89	3.93
15	0.02	0.02	0.02	0.02	0.02	0.02	3.94	3.92	3.90	3.89	3.89	3.93
16	0.03	0.02	0.02	0.02	0.02	0.03	3.93	3.94	3.93	3.95	3.94	3.94
17	0.02	0.02	0.03	0.02	0.02	0.03	3.84	3.87	3.83	3.74	3.58	3.75
18	0.02	0.02	0.02	0.02	0.02	0.02	3.88	3.84	3.79	3.87	3.95	3.90
19	0.02	0.02	0.02	0.02	0.02	0.02	3.90	3.87	3.88	3.90	3.91	3.88
20	0.02	0.02	0.02	0.02	0.02	0.02	3.76	3.89	3.88	3.86	3.83	3.78
21	0.02	0.02	0.02	0.02	0.02	0.02	3.81	3.75	3.73	3.75	3.79	3.83
22	0.02	0.02	0.01	0.02	0.01	0.02	3.86	3.78	3.78	3.79	3.80	3.84
23	0.02	0.02	0.02	0.02	0.01	0.02	3.77	3.84	3.83	3.81	3.80	3.78
24	0.02	0.02	0.02	0.03	0.02	0.04	3.75	3.78	3.77	3.74	3.71	3.73
25	0.02	0.02	0.02	0.03	0.02	0.02	3.69	3.76	3.76	3.77	3.75	3.70
26	0.02	0.02	0.02	0.02	0.02	0.02	3.73	3.69	3.74	3.80	3.81	3.75
27	0.02	0.02	0.02	0.02	0.02	0.02	3.95	3.72	3.71	3.72	3.79	3.91
28	0.02	0.02	0.02	0.02	0.02	0.02	3.91	3.95	3.96	3.96	3.96	3.95
29	0.02	0.02	0.02	0.02	0.02	0.02	3.96	3.92	3.91	3.93	3.94	3.95
30	0.02	0.02	0.01	0.01	0.01	0.02	4.02	4.00	4.01	4.01	4.05	4.05
31												
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	0.03	0.03	0.03	0.03	0.03	0.04	4.1	4.0	4.0	4.0	4.1	4.0
MIN	0.02	0.02	0.01	0.01	0.01	0.02	3.7	3.7	3.7	3.7	3.6	3.7

**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 September

\*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	13,811	34	0.30	0.10	0.26	0.64	0.53
2	17,355	46	0.32	0.27	0.29	0.63	0.63
3	15,870	46	0.35	0.25	0.14	0.60	0.57
4	16,685	58	0.42	0.26	0.39	0.69	0.90
5	16,493	57	0.41	0.34	0.16	0.84	0.68
6	16,905	59	0.42	0.09	0.32	0.59	0.77
7	16,946	59	0.41	0.18	0.09	0.72	0.55
8	16,634	58	0.42	0.11	0.30	0.73	0.75
9	17,352	60	0.42	0.30	0.24	0.74	0.80
10	16,254	56	0.41	0.24	0.31	0.67	0.58
11	17,152	59	0.41	0.24	0.34	0.73	0.69
12	16,527	57	0.41	0.41	0.52	0.78	1.02
13	17,834	62	0.41	0.29	0.10	0.73	0.62
14	16,539	57	0.41	0.15	0.43	0.72	0.99
15	17,160	59	0.41	0.33	0.43	0.65	0.58
16	18,565	64	0.41	0.26	0.56	0.74	0.67
17	16,083	53	0.39	0.43	0.32	1.00	0.73
18	17,461	62	0.43	0.28	0.39	0.67	0.83
19	17,667	60	0.41	0.21	0.34	0.61	0.85
20	14,702	51	0.42	0.21	0.34	0.70	0.70
21	14,874	50	0.40	0.23	0.20	0.70	0.65
22	14,777	52	0.42	0.15	0.21	0.21	0.65
23	13,739	45	0.39	0.24	0.31	0.68	0.75
24	11,842	42	0.42	0.28	0.22	0.76	0.65
25	12,125	41	0.40	0.38	0.20	0.71	0.63
26	12,833	45	0.42	0.30	0.26	0.76	0.65
27	14,056	46	0.39	0.25	0.33	0.65	0.72
28	14,365	50	0.42	0.24	0.34	0.64	0.73
29	14,916	48	0.39	0.31	0.28	0.71	0.80
30	15,187	52	0.41	0.31	0.47	0.73	0.82
31							
Total	472,708	1,588					
Avg.	15,757	53	0.40	0.25	0.30	0.69	0.72

\*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 *LouAnn 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: September

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	11:55	1301 N. 53rd St.	3.70	R.M.	13:05	804 N. 1st St.	3.70	R.M.
2	11:52	1116 W. Granger St.	2.70	T.R.	12:47	2700 N. 7th St.	3.00	T.R.
3	10:16	8017 S. Peach Ave.	3.70	LM	12:54	702 E. Mason Dr.	3.50	LM
4	8:52	204 E Laredo Pl.	3.20	ML	12:49	1005 N Willow Ave.	3.20	ML
5	9:15	4608 W. Eagle Pass St.	2.70	ML	13:14	1116 W. Grainger St.	3.30	ML
6	9:54	3407 W Urbana St.	3.40	ML	13:57	9409 Haskell Dr.	2.80	ML
7	11:39	2513 E. Dallas St.	3.00	S.B	12:10	5005 S. Lions Ave	3.60	S.B
8	11:43	1200 E. Dover St.	3.20	T.R.	12:22	5005 S. Lions Ave.	3.70	T.R.
9	10:54	4121 E. Omaha St.	2.60	M.L.	12:21	608 E. Pensacola St.	3.40	M.L.
10	09:24	3706 S. Orange Cir.	3.20	M.L.	13:28	1903 W. Rockport Pl.	3.60	M.L.
11	10:58	117 W. Inglewood St.	3.20	M.L.	13:21	1613 N. 26th Pl.	3.50	M.L.
12	08:47	422 N. Forest Ridge Blvd.	3.80	M.L.	12:02	119 E. Granger Pl.	3.60	M.L.
13	08:45	2305 S. 17th St.	3.70	M.L	12:28	2905 W. Madison St.	3.50	M.L
14	11:38	6575 369th E Ave.	3.70	ME	12:23	6057 S 353rd E Ave.	3.10	ME
15	11:55	702 E. Mason Dr.	3.40	R.M.	12:22	5005 S. Lions Ave.	3.60	R.M.
16	09:25	7213 S. Dennis Blvd.	4.10	A.R.	15:00	2613 W. Montgomery St.	3.60	A.R.
17	08:35	321 W. Commercial St.	2.60	A.R.	12:25	12314 E. 126th Pl.	3.60	A.R.
18	10:04	7900 E. Norman St.	3.70	M.L.	13:12	2101 W. Gary St.	3.30	M.L.
19	10:54	515 W. Quanah Pl.	3.60	M.L	12:55	1903 W. Rockport Pl.	3.50	M.L
20	09:41	1009 E. Fargo St.	3.40	M.L	13:17	1117 E. Richmond St.	3.60	M.L
21	11:37	1301 N. 53rd St.	3.70	S.B	12:14	2513 E. Dallas St.	3.20	S.B
22	11:36	2700 N. 7th St.	3.10	T.R.	12:50	25695 E. 71st St. S.	3.50	T.R.
23	10:33	2804 S. Juniper Ave.	3.30	M.L.	13:41	1903 W. Rockport Pl.	3.20	M.L.
24	08:28	608 E. Pensacola St.	3.10	M.L.	13:03	2909 E. Montpelier St.	3.10	M.L.
25	08:19	2213 W. Quincy St.	2.60	M.L.	14:14	101 S. 64th St.	2.50	M.L.
26	10:24	813 S. 31st St.	3.40	M.L.	12:19	509 W. Miami St.	3.30	M.L.
27	8:22	1501 E San Diego St.	3.00	ML	12:27	625 S 6th St.	2.80	ML
28	11:31	1301 N 53rd St	3.60	ME	12:17	608 E Pensacola St	3.00	ME
29	11:33	7213 S. Dennis Blvd.	3.80	R.M.	12:27	702 E. Mason Dr.	3.30	R.M.
30	09:32	713 S. Bushnell Blvd.	3.90	J.S.	12:50	3404 W. Toledo St.	3.50	A.R.

Average 3.34

Min. 2.60

Max. 4.10

Average 3.34

Min. 2.50

Max. 3.70