

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

Reporting Period: [June] [2024]



CITY OF
BROKEN ARROW
Where opportunity lives

Operating Data Summary

Water Production (MG)

	Month	Average Day
Raw Water Treated	499.03	16.6
Finished Water	473.38	15.8

Monthly Chemical Usage (Non-Membrane Usage)

Chemical	Total lbs	lbs/Finished MG
Sodium Hypochlorite	36,016	1,086.9
Salt (for hypo generation)	108,047	3,260.6
Liquid Ammonium Sulfate	4,814	9.7
Sodium Permanganate	2,209	2.4
Aluminum Chlorohydrate	126,676	47.9
Sodium Hydroxide	18,159	14.7
Hydrofluosilicic Acid	2,473	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	180	
Highest Turbidity Reading	0.064	
No. Samples > 1 NTU	0	
No. Samples > 5 NTU	0	

Monthly Costs

	Total	\$/Finished MG	\$/1000 gal
Plant Electricity	\$71,374.57	\$150.78	\$0.1508
Total Chemical	\$155,829.15	\$329.18	\$0.3292
Total Labor	\$164,863.41	\$348.27	\$0.3483
Services	\$26,770.49	\$56.55	\$0.0566
Materials and Supplies	\$39,499.30	\$83.44	\$0.0834
Equipment Expenses	\$15,580.34	\$32.91	\$0.0329
Total	\$473,917.26	\$1,001.14	\$1.0011

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, 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, 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:

Signed:

LouAnn Fisher

7/10/2024

Date

Title:

Water Plant Manager

Operator Certificate No.

25369

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

Month:
Year

June
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	11.07	12.16	11.40		0.75
2	11.09	11.93	11.65		0.74
3	11.07	12.34	11.21		0.74
4	11.17	11.10	9.74		0.73
5	11.10	11.23	11.04		0.74
6	11.09	12.45	11.61		0.72
7	11.05	13.08	13.64		0.73
8	11.04	13.67	12.96		0.72
9	11.07	15.27	13.62		0.72
10	11.06	14.51	14.93		0.80
11	17.62	16.05	14.20		0.89
12	19.05	16.49	15.85		0.86
13	18.98	17.20	16.35		0.83
14	18.99	16.58	17.00		0.81
15	18.96	17.24	16.76		0.80
16	18.99	18.36	16.68		0.79
17	18.98	18.81	18.05		0.78
18	18.87	18.38	17.45		0.79
19	18.87	19.79	18.86		0.83
20	18.89	19.41	18.43		0.83
21	23.35	20.19	20.03		0.91
22	24.57	19.52	18.56		1.03
23	24.27	20.25	19.83		0.92
24	23.97	22.44	21.60		0.90
25	22.59	20.48	20.13		0.90
26	12.42	17.46	13.76		0.91
27	16.74	15.27	15.91		0.70
28	18.99	18.19	18.37		0.67
29	19.03	20.29	18.84		0.70
30	18.24	18.89	14.91		0.70
31					
TOTAL	503.18	499.03	473.38	0.00	23.94
AVG	16.77	16.63	15.78	#DIV/0!	0.80
MAX	24.57	22.44	21.60	0.00	1.03
MIN	11.04	11.10	9.74	0.00	0.67

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

Month: June
Year: 2024

TOTAL CHEMICAL COST:		\$155,829	
Cost Per MG Treated	\$312.26	Cost Per MG Delivered	\$329.18
Million Gallons Treated	499.03	Million Gallons Delivered	473.38

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	14,680	1027.61	107.0	112.13	25.1	48.59	578	3229.54	224.2	584.44	32.9	59.95
2	13,997	979.80	102.9	107.80	25.1	48.66	560	3129.58	214.4	558.87	31.5	57.32
3	15,798	1105.83	107.3	112.47	25.1	48.60	592	3309.75	188.2	490.58	32.8	59.80
4	12,756	892.95	88.0	92.25	25.3	49.01	486	2715.62	153.6	400.33	26.9	49.05
5	14,072	985.07	102.2	107.13	25.2	48.73	566	3164.43	183.2	477.51	31.3	56.96
6	14,180	992.62	107.5	112.68	25.2	48.70	592	3306.34	222.5	579.96	32.9	59.91
7	16,164	1131.50	130.5	136.79	25.1	48.52	694	3879.71	285.4	743.92	38.8	70.61
8	15,028	1051.97	126.1	132.13	25.0	48.46	647	3615.60	267.5	697.16	36.3	66.11
9	15,759	1103.12	138.6	145.30	25.1	48.57	710	3965.78	292.0	761.13	39.7	72.23
10	15,750	1102.50	143.3	150.17	25.1	48.57	731	4085.26	294.0	766.28	40.9	74.41
11	15,555	1088.84	143.8	150.68	39.8	77.00	720	4024.91	259.0	675.09	41.5	75.65
12	16,153	1130.68	150.9	158.19	43.2	83.62	763	4263.40	273.6	712.99	43.5	79.14
13	16,784	1174.89	160.9	168.67	43.1	83.35	793	4431.79	292.7	762.86	47.0	85.56
14	16,929	1185.01	165.0	172.91	43.1	83.33	793	4430.98	289.0	753.24	48.8	88.84
15	17,191	1203.35	161.7	169.41	43.0	83.23	767	4286.96	256.9	669.59	47.3	86.13
16	17,159	1201.16	159.5	167.18	43.1	83.37	761	4252.92	265.5	691.88	46.8	85.26
17	18,956	1326.89	175.9	184.34	43.1	83.32	842	4703.75	294.6	767.90	52.0	94.71
18	17,834	1248.40	168.1	176.14	42.8	82.85	806	4503.59	238.4	621.33	49.7	90.50
19	18,933	1325.33	185.5	194.35	41.7	80.64	884	4937.14	190.2	495.79	54.8	99.86
20	18,075	1265.24	174.3	182.72	42.9	82.92	834	4658.99	176.9	461.17	51.8	94.27
21	20,450	1431.49	193.5	202.74	52.8	102.25	923	5159.76	214.6	559.21	57.4	104.63
22	18,736	1311.49	179.9	188.58	55.8	107.89	860	4807.13	213.4	556.14	53.6	97.69
23	19,642	1374.92	192.0	201.20	55.0	106.50	919	5136.26	227.6	593.11	57.2	104.25
24	20,634	1444.37	207.3	217.20	54.3	105.05	994	5551.62	245.5	639.90	61.8	112.55
25	17,222	1205.52	174.4	182.82	51.1	98.95	836	4673.12	211.4	550.88	51.1	93.13
26	16,790	1175.28	145.5	152.46	28.5	55.05	702	3922.65	171.4	446.72	43.4	78.99
27	17,626	1233.83	151.3	158.55	37.8	73.15	723	4041.23	179.1	466.80	44.9	81.84
28	20,394	1427.58	180.4	189.10	43.1	83.38	850	4748.01	210.6	548.85	52.9	96.35
29	20,630	1444.12	185.0	193.84	43.2	83.50	872	4869.95	215.9	562.60	54.2	98.76
30	20,630	1444.12	185.0	193.84	43.2	83.50	872	4869.95	215.9	562.60	54.2	98.76
31												
TOTAL	514,507	36,016	4,593	4,814	1,142	2,209	22,670	126,676	6,967	18,159	1,358	2,473
AVG	17,150	1200.52	153	160.46	38	73.64	756	4222.52	232	605.29	45	82.44
MAX	20,634	1444.37	207	217.20	56	107.89	994	5551.62	295	767.90	62	112.55
MIN	12,756	892.95	88	92.25	25	48.46	486	2715.62	154	400.33	27	49.05
COST	\$19,805.47		\$8,318.94		\$16,304.28		\$88,673.00		\$15,253.41		\$7,474.05	
\$/MG	\$39.69		\$16.67		\$32.67		\$177.69		\$30.57		\$14.98	

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

Month: June
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	7.4	7.3	8.0	8.0	160.00	154.00	0.00	0.00	108.00	106.00	4.00
2	7.4	7.3	8.0	8.0	153.00	151.00	0.00	0.00	105.00	106.00	3.00
3	7.4	7.3	8.0	7.9	155.00	157.00	0.00	0.00	106.00	106.00	3.00
4	7.4	7.4	7.9	7.9	153.00	155.00	0.00	0.00	103.00	105.00	3.00
5	7.4	7.3	7.9	7.9	156.00	155.00	0.00	0.00	106.00	105.00	1.00
6	7.8	7.2	8.0	7.8	153.00	157.00	0.00	0.00	103.00	105.00	4.00
7	7.4	7.3	8.0	7.9	161.00	157.00	0.00	0.00	110.00	107.00	3.00
8	7.4	7.3	8.0	7.9	157.00	161.00	0.00	0.00	106.00	114.00	5.00
9	7.4	7.3	8.0	8.0	159.00	157.00	0.00	0.00	111.00	109.00	3.00
10	7.5	7.4	8.2	8.0	158.00	156.00	0.00	0.00	111.00	109.00	4.00
11	7.5	7.4	8.1	8.0	159.00	160.00	0.00	0.00	112.00	109.00	8.00
12	7.4	7.4	8.1	8.0	160.00	162.00	0.00	0.00	110.00	109.00	6.00
13	7.5	7.4	8.0	8.0	158.00	162.00	0.00	0.00	109.00	110.00	1.00
14	7.6	7.2	8.1	8.0	161.00	160.00	0.00	0.00	113.00	110.00	11.00
15	7.6	7.2	8.0	7.9	159.00	157.00	0.00	0.00	108.00	111.00	6.00
16	7.6	7.3	8.0	7.9	161.00	157.00	0.00	0.00	113.00	111.00	5.00
17	7.6	7.5	8.1	8.0	160.00	160.00	0.00	0.00	111.00	111.00	2.00
18	7.6	7.5	8.1	8.1	154.00	156.00	0.00	0.00	108.00	112.00	-1.00
19	7.7	7.6	8.1	8.0	157.00	158.00	0.00	0.00	113.00	108.00	4.00
20	7.6	7.5	8.0	7.9	151.00	158.00	0.00	0.00	109.00	111.00	7.00
21	7.6	7.5	8.0	7.8	156.00	154.00	0.00	0.00	110.00	109.00	3.00
22	7.7	7.5	8.0	7.9	156.00	156.00	0.00	0.00	112.00	113.00	2.00
23	7.7	7.6	8.1	8.0	152.00	150.00	0.00	0.00	111.00	113.00	5.00
24	7.6	7.5	8.1	8.0	153.00	151.00	0.00	0.00	113.00	112.00	7.00
25	7.6	7.5	8.1	7.8	146.00	150.00	0.00	0.00	111.00	109.00	4.00
26	7.6	7.5	8.0	7.8	152.00	147.00	0.00	0.00	111.00	110.00	5.00
27	7.6	7.5	7.9	7.9	151.00	144.00	0.00	0.00	111.00	109.00	1.00
28	7.6	7.5	8.0	7.9	145.00	144.00	0.00	0.00	108.00	108.00	2.00
29	7.6	7.6	8.0	8.0	145.00	146.00	0.00	0.00	110.00	108.00	5.00
30	7.6	7.6	8.0	7.9	145.00	143.00	0.00	0.00	110.00	106.00	3.00
31											
AVG					155	155	0	0	109	109	4
MAX	7.8	7.6	8.2	8.1	161	162	0	0	113	114	11
MIN	7.4	7.2	7.9	7.8	145	143	0	0	103	105	-1

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

Month: June
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	0.02	0.02	3.76	3.65	3.66	3.67	3.71	3.78
2	0.02	0.01	0.02	0.02	0.02	0.01	3.56	3.72	3.68	3.66	3.66	3.55
3	0.01	0.02	0.02	0.01	0.01	0.02	3.62	3.63	3.63	3.65	3.64	3.62
4	0.02	0.01	0.02	0.02	0.01	0.01	3.59	3.69	3.69	3.64	3.61	3.60
5	0.02	0.02	0.01	0.02	0.02	0.02	3.72	3.62	3.65	3.71	3.69	3.68
6	0.01	0.01	0.06	0.03	0.01	0.01	3.65	3.72	3.73	3.68	3.59	3.56
7	0.01	0.01	0.01	0.02	0.01	0.01	3.83	3.66	3.65	3.67	3.82	3.82
8	0.02	0.01	0.01	0.01	0.01	0.02	3.91	3.85	3.83	3.81	3.77	3.80
9	0.01	0.01	0.01	0.01	0.01	0.01	3.96	4.02	4.03	4.00	3.99	3.97
10	0.01	0.01	0.01	0.02	0.01	0.02	4.04	3.99	4.00	4.03	4.11	4.05
11	0.02	0.02	0.01	0.01	0.01	0.02	3.99	4.04	4.02	3.99	3.96	3.96
12	0.01	0.02	0.02	0.01	0.02	0.01	4.02	3.98	3.99	3.98	3.99	4.02
13	0.02	0.01	0.02	0.01	0.02	0.02	4.07	4.03	4.04	4.02	4.14	4.10
14	0.02	0.01	0.01	0.01	0.01	0.02	3.94	4.04	3.99	4.00	4.01	3.98
15	0.03	0.02	0.01	0.02	0.02	0.02	3.96	3.86	3.84	3.82	3.91	3.95
16	0.02	0.01	0.02	0.02	0.02	0.02	3.98	3.93	3.88	3.88	3.92	3.95
17	0.02	0.02	0.02	0.01	0.01	0.02	3.94	3.99	4.01	4.00	3.92	3.92
18	0.02	0.02	0.01	0.01	0.02	0.01	4.08	3.97	3.96	3.98	4.07	4.08
19	0.02	0.02	0.02	0.02	0.02	0.02	3.99	4.07	4.04	4.01	4.01	4.03
20	0.01	0.02	0.02	0.02	0.02	0.01	4.02	3.94	3.92	3.94	3.95	3.98
21	0.02	0.02	0.02	0.02	0.02	0.01	4.08	4.01	4.01	4.03	4.02	4.04
22	0.01	0.01	0.02	0.02	0.02	0.01	4.08	4.08	4.02	4.01	4.02	4.09
23	0.01	0.02	0.02	0.02	0.01	0.02	4.10	4.07	4.06	4.07	4.08	4.14
24	0.02	0.02	0.02	0.02	0.02	0.02	4.08	4.05	3.99	3.97	3.98	4.00
25	0.02	0.02	0.01	0.02	0.01	0.01	3.17	4.05	3.99	3.85	3.83	3.84
26	0.02	0.02	0.02	0.02	0.02	0.02	3.77	3.07	3.57	3.73	3.95	3.83
27	0.02	0.02	0.02	0.01	0.02	0.01	3.80	3.75	3.92	4.00	3.96	3.82
28	0.01	0.01	0.02	0.02	0.02	0.01	4.04	3.80	3.88	3.96	4.08	4.07
29	0.02	0.01	0.02	0.02	0.02	0.01	4.03	4.03	4.07	4.10	4.11	4.11
30	0.02	0.01	0.02	0.02	0.02	0.01	3.68	3.97	3.95	3.95	3.98	3.89
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	0.02	0.06	0.03	0.02	0.02	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	3.2	3.1	3.6	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 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	11,396	60	0.63	0.24	0.11	0.78	0.74
2	11,650	57	0.59	0.12	0.25	0.77	0.94
3	11,213	60	0.64	0.29	0.24	0.82	0.80
4	9,742	49	0.60	0.23	0.15	0.70	0.73
5	11,042	57	0.62	0.26	0.41	0.78	0.94
6	11,614	60	0.62	0.35	0.42	0.90	0.99
7	13,641	71	0.62	0.23	0.33	0.56	0.96
8	12,963	66	0.61	0.05	0.36	0.67	0.98
9	13,618	72	0.64	0.20	0.31	0.59	0.61
10	14,934	74	0.60	0.29	0.32	0.78	0.87
11	14,202	76	0.64	0.31	0.29	0.78	0.77
12	15,852	79	0.60	0.31	0.30	0.80	1.09
13	16,347	86	0.63	0.11	0.32	0.80	0.89
14	16,997	89	0.63	0.08	0.38	0.70	1.02
15	16,764	86	0.62	0.23	0.29	0.79	0.77
16	16,680	85	0.61	0.18	0.32	0.72	0.86
17	18,048	95	0.63	0.30	0.22	0.77	0.67
18	17,453	91	0.62	0.28	0.24	0.86	0.72
19	18,858	100	0.63	0.28	0.27	0.80	0.76
20	18,428	94	0.61	0.21	0.33	0.84	0.81
21	20,028	105	0.63	0.08	0.32	0.60	0.92
22	18,562	98	0.63	0.14	0.45	0.79	1.03
23	19,831	104	0.63	0.13	0.18	0.73	0.74
24	21,595	113	0.62	0.18	0.24	0.72	0.77
25	20,128	93	0.55	0.36	0.29	0.97	0.82
26	13,759	79	0.69	0.26	0.37	0.73	0.87
27	15,908	82	0.62	0.33	0.38	0.69	0.90
28	18,372	96	0.63	0.04	0.22	0.54	0.69
29	18,844	99	0.63	0.10	0.18	0.74	0.67
30	14,909	99	0.79	0.10	0.16	0.74	0.66
31							
Total	473,379	2,473					
Avg.	15,779	82	0.63	0.21	0.29	0.75	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

Law 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: June

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	11:35	7213 S. Dennis Blvd	2.70	S.B	12:15	608 E. Pensacola St.	3.20	S.B
2	11:48	7213 S. Dennis Blvd.	3.50	R.M.	12:17	702 E. Mason Dr.	3.20	R.M.
3	07:45	4001 S. Redbud Ave.	2.90	M.L.	13:35	1301 N. 52nd St.	2.80	M.L.
4	10:00	12314 E. 126th Pl.	2.70	M.L.	12:59	1200 E. Dover St.	3.20	M.L.
5	08:46	8017 S. Peach Ave.	2.60	M.L.	13:35	2501 W. College St.	2.50	M.L.
6	9:12	1301 N. 53rd St.	3.00	M.L.	14:31	11405 S. 114th E. Ave.	2.20	M.L.
7	8:05	1829 N 11th St	3.00	ML	13:26	401 W Los Angeles St	3.10	ML
8	11:37	7213 S Dennis Blvd.	2.70	ME	12:35	4705 S Elm Pl.	3.30	ME
9	11:48	2909 E. Montpelier St.	3.30	T.R.	12:51	2700 N. 7th St.	3.60	T.R.
10	09:21	2909 E. Montpelier St.	3.30	M.L.	12:11	608 E. Pensacola St.	3.20	M.L.
11	11:20	3706 S. Orange Cir.	2.70	M.L.	14:14	3219 N. 7th Pl.	3.70	M.L.
12	08:16	608 E. Pensacola St.	3.50	M.L.	13:02	1116 W. Granger St.	3.50	M.L.
13	10:44	401 E. Vancouver Ct.	4.00	M.L.	14:51	24606 E. Sisemore St.	4.20	J.S.
14	09:49	6304 S. Cedar Ave	3.40	M.L.	12:28	1805 S. Willow Ave	2.80	M.L.
15	11:46	2513 E. Dallas St.	3.20	S.B	12:17	1200 E. Dover St.	3.80	S.B
16	11:48	7213 S. Dennis Blvd.	4.00	R.M.	12:16	2909 E. Montpelier St.	3.50	R.M.
17	09:08	4608 W. Eagle Pass St.	2.90	M.L.	13:12	2513 E. Dallas St.	2.70	M.L.
18	09:53	1301 N. 53rd St.	3.60	M.L.	13:34	1817 S. Date Ave.	3.50	M.L.
19	08:30	1417 E. Granger St.	3.80	M.L.	13:00	4117 S. Elm Ave.	3.90	J.S.
20	09:54	2603 S. Gardenia Ave.	3.40	M.L.	12:47	1505 N. 26th Pl.	4.00	M.L.
21	08:38	110 N. 20th St.	3.90	M.L.	12:52	4357 S. Elm Ave	3.70	M.L.
22	11:58	2513 E Dallas St.	3.10	ME	12:28	708 W Waco St.	3.80	ME
23	11:25	6057 S. 353rd E. Ave.	3.90	T.R.	16:20	36500 E. 66th St. S.	4.00	T.R.
24	11:31	1903 W. Rockport Pl.	3.50	M.L.	14:21	1817 S. Willow Ave.	2.90	M.L.
25	08:00	7900 E. Norman St.	4.50	A.R.	12:36	4608 W. Eagle Pass St.	2.20	A.R.
26	07:29	2909 E. Montpelier St.	3.40	M.L.	13:53	524 S. Date Ave.	2.90	M.L.
27	08:08	3706 S. Orange Cir.	2.50	M.L.	12:04	3405 N. Battle Creek Dr.	3.30	M.L.
28	10:01	1001 S 72nd St	3.60	ML	1:25	1505 S Fern Ave	3.30	ML
29	11:30	36500 E 66th St. S.	4.00	SB	15:50	6057 S. 353rd E Ave.	2.90	SB
30	11:55	2909 E. Montpelier St.	3.50	R.M.	12:17	1903 W. Rockport Pl.	3.60	R.M.

Average 3.35

Min. 2.50

Max. 4.50

Average 3.32

Min. 2.20

Max. 4.20