

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

Reporting Period: [February] [2024]



Operating Data Summary

Water Production (MG)

	Month	Average Day
Raw Water Treated	260.10	9.0
Finished Water	256.03	8.8

Monthly Chemical Usage (Non-Membrane Usage)

Chemical	Total lbs	lbs/Finished MG
Sodium Hypochlorite	12,893	719.4
Salt (for hypo generation)	38,680	2,158.2
Liquid Ammonium Sulfate	2,217	8.3
Sodium Permanganate	1,245	2.5
Aluminum Chlorohydrate	69,443	48.5
Sodium Hydroxide	30,374	45.5
Hydrofluosilicic Acid	1,309	2.8

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	174	
Highest Turbidity Reading	0.024	
No. Samples > 1 NTU	0	
No. Samples > 5 NTU	0	

Monthly Costs

	Total	\$/Finished MG	\$/1000 gal
Plant Electricity	\$60,468.16	\$236.17	\$0.2362
Total Chemical	\$103,427.77	\$403.96	\$0.4040
Total Labor	\$101,162.57	\$395.11	\$0.3951
Services	\$33,416.86	\$130.52	\$0.1305
Materials and Supplies	\$16,517.25	\$64.51	\$0.0645
Equipment Expenses	\$22,697.98	\$88.65	\$0.0887
Total	\$337,690.59	\$1,318.93	\$1.3189

Individual Membrane Unit Turbidity Checklist

1. IS TURBIDITY FROM EACH INDIVIDUAL MEMBRANE UNIT RECORDED EVERY 15 MINUTES?
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? _____

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? _____

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? _____

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

YES/NO

YES

NO

NO

NO

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

Notes:

Signed:

3/8/2024

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

February
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	10.96	8.85	9.21		0.58
2	10.95	8.75	9.16		0.57
3	10.95	9.36	8.54		0.63
4	10.94	9.51	9.12		0.63
5	10.94	8.95	9.17		0.63
6	10.91	7.62	8.09		0.58
7	10.90	9.35	8.77		0.58
8	10.90	9.44	8.78		0.56
9	6.72	8.83	8.75		0.57
10	0.00	7.73	8.47		0.56
11	0.00	8.91	8.76		0.54
12	0.00	8.71	8.37		0.58
13	10.95	9.16	8.67		0.58
14	11.32	9.14	8.61		0.60
15	11.28	7.96	8.39		0.55
16	11.24	9.10	8.65		0.56
17	11.25	8.96	8.12		0.52
18	11.20	7.88	8.90		0.57
19	11.18	8.75	8.82		0.56
20	11.16	9.56	8.91		0.55
21	11.15	9.98	9.14		0.60
22	11.15	8.64	9.08		0.54
23	11.13	8.67	9.22		0.55
24	11.11	9.71	9.02		0.58
25	11.08	9.66	9.16		0.63
26	11.08	9.93	9.82		0.65
27	0.35	8.96	9.28		0.59
28	0.00	8.88	8.60		0.56
29	0.00	9.12	8.46		0.61
30					
31					
TOTAL	250.79	260.10	256.03	0.00	16.82
AVG	8.65	8.97	8.83	#DIV/0!	0.58
MAX	11.32	9.98	9.82	0.00	0.65
MIN	0.00	7.62	8.09	0.00	0.52

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

Month: February
Year: 2024

TOTAL CHEMICAL COST: \$103,428

Cost Per MG Treated \$397.64
Million Gallons Treated 260.10

Cost Per MG Delivered \$403.96
Million Gallons Delivered 256.03

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	6,554	458.75	70.9	74.35	39.8	76.97	419	2341.46	383.3	998.93	24.2	44.14
2	6,685	467.94	71.7	75.15	39.7	76.90	423	2365.24	437.6	1140.45	24.5	44.60
3	7,158	501.04	77.7	81.44	39.7	76.88	459	2564.58	509.2	1327.01	26.5	48.35
4	6,886	482.02	73.9	77.46	39.7	76.81	441	2462.32	487.3	1269.93	25.4	46.28
5	6,463	452.43	67.3	70.57	39.7	76.80	410	2290.24	450.1	1173.04	23.5	42.71
6	6,619	463.34	67.7	70.91	25.5	49.34	407	2273.52	452.3	1178.90	23.6	42.93
7	7,210	504.71	75.3	78.95	24.7	47.85	447	2496.70	497.5	1296.50	25.9	47.25
8	7,307	511.48	75.8	79.45	24.7	47.87	443	2472.72	492.1	1282.42	25.6	46.71
9	6,825	477.73	68.9	72.16	14.4	27.92	401	2239.42	411.1	1071.39	23.3	42.42
10	6,326	442.81	67.0	70.19	0.0	0.00	389	2174.97	371.3	967.77	22.7	41.27
11	6,369	445.86	70.5	73.90	0.0	0.00	410	2291.99	390.9	1018.77	23.9	43.45
12	6,347	444.30	72.6	76.06	0.0	0.00	424	2367.83	402.2	1048.33	24.6	44.72
13	6,273	439.08	75.6	79.24	25.7	49.70	442	2468.32	418.9	1091.84	25.6	46.58
14	5,980	418.59	74.6	78.14	25.7	49.66	439	2451.05	413.1	1076.59	25.2	45.94
15	5,169	361.85	63.2	66.26	25.6	49.51	369	2062.31	350.5	913.62	21.4	38.95
16	6,012	420.86	74.0	77.59	25.5	49.32	433	2419.95	410.3	1069.28	25.0	45.62
17	5,678	397.44	69.4	72.78	25.5	49.38	406	2268.68	385.1	1003.59	23.5	42.79
18	5,741	401.88	69.9	73.21	25.4	49.15	408	2282.05	387.3	1009.46	23.6	43.04
19	5,765	403.52	70.2	73.55	25.4	49.07	410	2291.92	388.9	1013.64	23.7	43.25
20	6,286	440.00	78.5	82.29	25.3	48.99	457	2554.87	434.9	1133.34	26.6	48.38
21	6,488	454.18	81.3	85.16	25.3	48.94	477	2665.28	450.0	1172.75	27.5	50.06
22	5,740	401.80	71.0	74.44	25.3	48.96	414	2312.97	393.7	1026.10	24.0	43.76
23	5,850	409.47	70.9	74.33	25.2	48.83	415	2318.91	393.0	1024.36	24.0	43.70
24	6,703	469.24	81.1	84.98	25.2	48.75	475	2653.60	427.7	1114.72	27.4	49.96
25	6,600	462.01	79.6	83.39	25.1	48.66	468	2613.92	395.6	1031.03	26.9	49.03
26	6,487	454.06	78.1	81.82	25.1	48.56	460	2571.54	388.2	1011.62	26.4	48.10
27	6,307	441.48	72.1	75.52	0.0	0.01	423	2362.62	358.3	933.80	24.4	44.40
28	6,108	427.54	71.6	75.08	0.0	0.00	420	2346.77	201.3	524.65	24.2	44.14
29	6,256	437.92	74.8	78.42	0.0	0.00	440	2457.08	172.9	450.60	25.3	46.10
30												
31												
TOTAL	184,190	12,893	2,115	2,217	643	1,245	12,428	69,443	11,654	30,374	718	1,309
AVG	6,351	444.60	73	76.44	22	42.92	429	2394.58	402	1047.39	25	45.13
MAX	7,307	511.48	81	85.16	40	76.97	477	2665.28	509	1327.01	27	50.06
MIN	5,169	361.85	63	66.26	0	0.00	369	2062.31	173	450.60	21	38.95
COST	\$7,090.22		\$4,627.28		\$9,186.77		\$53,054.33		\$25,514.52		\$3,954.65	
\$/MG	\$27.26		\$17.79		\$35.32		\$203.97		\$98.09		\$15.20	

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

Month: February
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
							Phenol	Phenol	Total	Total	
	Daily Max	Daily Min	Daily Max	Daily Min	AM	PM	AM	PM	AM	PM	
1	7.6	7.5	7.9	7.8	183.00	179.00	0.00	0.00	108.00	108.00	3.00
2	7.6	7.5	8.0	7.9	179.00	179.00	0.00	0.00	109.00	111.00	1.00
3	7.6	7.5	8.0	8.0	181.00	180.00	0.00	0.00	109.00	114.00	5.00
4	7.6	7.5	8.1	8.0	178.00	178.00	0.00	0.00	115.00	112.00	2.00
5	7.6	7.6	8.1	8.0	177.00	176.00	0.00	0.00	110.00	111.00	7.00
6	7.6	7.5	8.1	8.0	197.00	181.00	0.00	0.00	110.00	110.00	0.00
7	7.6	7.5	8.0	8.0	182.00	186.00	0.00	0.00	111.00	112.00	3.00
8	7.6	7.2	8.1	8.0	192.00	185.00	0.00	0.00	113.00	110.00	10.00
9	7.6	7.1	8.1	8.1	183.00	186.00	0.00	0.00	110.00	107.00	5.00
10	7.6	7.2	8.1	8.0	192.00	187.00	0.00	0.00	111.00	113.00	5.00
11	7.8	7.6	8.1	8.0	186.00	185.00	0.00	0.00	113.00	111.00	4.00
12	7.7	7.6	8.1	8.1	187.00	189.00	0.00	0.00	112.00	112.00	6.00
13	7.7	7.6	8.1	8.1	186.00	186.00	0.00	0.00	112.00	114.00	2.00
14	7.7	7.6	8.1	8.1	192.00	186.00	0.00	0.00	113.00	115.00	7.00
15	7.7	7.6	8.1	8.1	184.00	188.00	0.00	0.00	112.00	115.00	3.00
16	7.7	7.6	8.1	8.1	190.00	188.00	0.00	0.00	113.00	113.00	6.00
17	7.7	7.7	8.1	8.1	187.00	185.00	0.00	0.00	113.00	116.00	3.00
18	7.7	7.6	8.1	8.1	188.00	190.00	0.00	0.00	113.00	113.00	5.00
19	7.7	7.6	8.1	8.1	189.00	190.00	0.00	0.00	115.00	115.00	4.00
20	7.7	7.6	8.1	8.1	184.00	191.00	0.00	0.00	112.00	113.00	5.00
21	7.7	7.6	8.1	8.1	192.00	193.00	0.00	0.00	115.00	115.00	4.00
22	7.7	7.7	8.1	8.1	191.00	192.00	0.00	0.00	116.00	115.00	4.00
23	7.7	7.7	8.1	8.1	189.00	189.00	0.00	0.00	114.00	114.00	2.00
24	7.7	7.7	8.2	8.1	188.00	194.00	0.00	0.00	115.00	117.00	10.00
25	7.7	7.6	8.1	8.0	191.00	193.00	0.00	0.00	116.00	116.00	7.00
26	7.7	7.6	8.0	8.0	192.00	193.00	0.00	0.00	117.00	118.00	5.00
27	7.9	7.6	8.1	8.0	191.00	193.00	0.00	0.00	114.00	114.00	4.00
28	8.0	7.9	8.2	8.1	190.00	173.00	0.00	0.00	117.00	121.00	8.00
29	7.9	7.9	8.1	8.0	162.00	183.00	0.00	0.00	114.00	117.00	6.00
30											
31											
AVG					186	186	0	0	113	114	5
MAX	8.0	7.9	8.2	8.1	197	194	0	0	117	121	10
MIN	7.6	7.1	7.9	7.8	162	173	0	0	108	107	0

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	0.01	0.01	0.01	0.02	3.33	3.28	3.29	3.30	3.31	3.32
2	0.02	0.01	0.01	0.01	0.01	0.02	3.45	3.35	3.39	3.41	3.42	3.43
3	0.02	0.02	0.01	0.01	0.01	0.01	3.42	3.45	3.47	3.47	3.47	3.44
4	0.02	0.01	0.01	0.02	0.01	0.02	3.36	3.42	3.41	3.39	3.37	3.36
5	0.02	0.02	0.02	0.01	0.01	0.01	3.36	3.38	3.35	3.33	3.32	3.33
6	0.02	0.01	0.02	0.01	0.02	0.01	3.35	3.38	3.36	3.38	3.39	3.38
7	0.02	0.01	0.02	0.01	0.02	0.01	3.28	3.34	3.30	3.33	3.30	3.28
8	0.02	0.01	0.02	0.01	0.02	0.02	3.35	3.30	3.32	3.35	3.35	3.35
9	0.02	0.01	0.02	0.02	0.01	0.02	3.56	3.38	3.45	3.48	3.48	3.51
10	0.02	0.01	0.02	0.02	0.02	0.02	3.49	3.55	3.55	3.52	3.50	3.50
11	0.02	0.01	0.02	0.01	0.01	0.02	3.46	3.49	3.48	3.46	3.45	3.44
12	0.02	0.01	0.01	0.02	0.02	0.02	3.48	3.47	3.46	3.45	3.45	3.49
13	0.02	0.01	0.02	0.02	0.02	0.02	3.44	3.45	3.46	3.49	3.50	3.49
14	0.02	0.02	0.01	0.01	0.02	0.01	3.38	3.41	3.39	3.38	3.39	3.39
15	0.02	0.02	0.01	0.01	0.01	0.02	3.30	3.36	3.35	3.33	3.31	3.30
16	0.02	0.02	0.02	0.01	0.01	0.02	3.44	3.30	3.37	3.39	3.44	3.46
17	0.02	0.02	0.01	0.02	0.01	0.01	3.37	3.42	3.39	3.39	3.37	3.36
18	0.02	0.02	0.02	0.02	0.02	0.01	3.42	3.37	3.37	3.37	3.37	3.42
19	0.02	0.01	0.02	0.02	0.01	0.01	3.43	3.41	3.40	3.40	3.41	3.41
20	0.02	0.02	0.01	0.02	0.02	0.02	3.42	3.44	3.44	3.44	3.44	3.42
21	0.02	0.01	0.01	0.02	0.02	0.02	3.41	3.42	3.40	3.39	3.38	3.40
22	0.02	0.01	0.02	0.02	0.02	0.02	3.33	3.40	3.38	3.37	3.36	3.35
23	0.02	0.01	0.01	0.02	0.01	0.02	3.31	3.34	3.36	3.36	3.35	3.33
24	0.02	0.02	0.02	0.02	0.02	0.02	3.38	3.32	3.33	3.34	3.35	3.38
25	0.02	0.02	0.02	0.02	0.02	0.02	3.32	3.36	3.35	3.33	3.32	3.33
26	0.02	0.02	0.02	0.02	0.02	0.02	3.26	3.31	3.30	3.29	3.28	3.28
27	0.02	0.02	0.02	0.02	0.02	0.02	3.27	3.24	3.24	3.24	3.27	3.27
28	0.02	0.02	0.01	0.02	0.01	0.01	3.41	3.30	3.37	3.45	3.44	3.44
29	0.01	0.01	0.01	0.01	0.02	0.01	3.34	3.39	3.37	3.37	3.36	3.34
30												
31												
AVG	0.02	0.02	0.02	0.02	0.02	0.02	3.4	3.4	3.4	3.4	3.4	3.4
MAX	0.02	0.02	0.02	0.02	0.02	0.02	3.6	3.6	3.5	3.5	3.5	3.5
MIN	0.01	0.01	0.01	0.01	0.01	0.01	3.3	3.2	3.2	3.2	3.3	3.3

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 Samples174

PWSID 1021508

SYSTEM

COBA WTP

MONTH February

*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	9,209	44	0.57	0.37	0.47	0.87	0.90
2	9,162	45	0.58	0.24	0.54	0.77	0.92
3	8,542	48	0.68	0.29	0.46	0.78	1.02
4	9,122	46	0.61	0.29	0.60	0.87	1.13
5	9,172	43	0.56	0.32	0.30	0.86	0.92
6	8,088	43	0.64	0.56	0.48	1.01	1.13
7	8,769	47	0.65	0.32	0.48	0.89	1.01
8	8,783	47	0.64	0.35	0.40	0.87	0.91
9	8,753	42	0.58	0.15	0.37	0.69	0.96
10	8,472	41	0.58	0.42	0.31	0.92	0.93
11	8,757	43	0.59	0.12	0.36	0.70	0.81
12	8,368	45	0.64	0.25	0.37	0.83	0.77
13	8,672	47	0.64	0.15	0.24	0.77	0.84
14	8,606	46	0.64	0.37	0.38	0.83	0.95
15	8,388	39	0.56	0.17	0.50	0.68	1.02
16	8,653	46	0.63	0.21	0.36	0.66	0.97
17	8,122	43	0.63	0.22	0.48	0.60	1.03
18	8,895	43	0.58	0.43	0.44	0.75	0.93
19	8,816	43	0.59	0.29	0.29	0.81	0.89
20	8,908	48	0.65	0.22	0.32	0.84	0.84
21	9,136	50	0.66	0.29	0.50	0.81	0.98
22	9,081	44	0.58	0.18	0.33	0.78	0.69
23	9,220	44	0.57	0.39	0.42	0.91	0.99
24	9,024	50	0.66	0.40	0.38	1.00	0.80
25	9,161	49	0.64	0.38	0.24	0.83	0.76
26	9,815	48	0.59	0.27	0.37	0.80	0.79
27	9,284	44	0.57	0.37	0.37	0.94	0.81
28	8,599	44	0.62	0.24	0.28	0.82	0.78
29	8,457	46	0.65	0.20	0.29	0.84	0.79
30							
31							
Total	256,034	1,309					
Avg.	8,829	45	0.61	0.29	0.39	0.82	0.91

*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

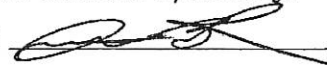
Oklahoma City, OK 73117-1299

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: Assistant Water Plant Manager

City Broken Arrow

ODH Form No. 561 / DEQ Form 631-001

Notes:

Public Water System Name: COBA Water Treatment Plant

Month: February

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	08:46	4113 W. Freeport St.	3.40	M.L.	13:02	1900 E Reno St.	3.60	M.L.
2	8:49	605 E Union St.	3.00	ML	13:48	2629 N 20th St.	3.40	ML
3	11:45	4121 E.Omaha St.	3.30	M.E.	12:20	605 S. Elder Ave.	3.70	M.E.
4	09:45	36500 E. 66th St. S.	3.40	T.R.	16:50	6057 S. 353rd E. Ave.	3.30	T.R.
5	09:58	1120 W. Charleston St.	3.30	M.L.	13:57	3205 N. 2nd St.	3.50	M.L.
6	11:03	3706 S. Orange Cir.	2.90	M.L.	12:48	1116 W. Granger St.	3.50	M.L.
7	09:57	2513 E. Dallas St.	3.30	M.L.	13:29	5005 S. Lions Ave.	3.20	M.L.
8	08:56	1417 N. 53rd St.	3.10	M.L.	12:08	3836 W. Dallas St.	3.20	M.L.
9	09:10	5019 S. 196th E. Ave	2.50	M.L	13:15	1605 S. 10th St.	3.30	M.L
10	11:43	7213 S. Dennis Blvd	3.50	S.B	12:18	1200 E. Dover St.	3.30	S.B
11	09:28	6057 S. 353rd E. Ave.	3.50	T.R.	17:45	36500 E.66th St	3.40	T.R.
12	10:17	7805 E. Dallas St.	3.80	M.L.	12:28	1705 S. Aster Ave.	3.30	M.L.
13	09:18	7909 S. Juniper Ave.	2.60	M.L.	12:23	1005 E. 104th Pl.	3.80	M.L.
14	08:50	2321 W. Oakridge St.	3.50	M.L.	13:42	1317 N. 53rd St.	3.00	M.L.
15	08:38	6309 S. 5th Ave.	2.80	M.L.	13:16	2609 E. Queens St.	3.60	M.L.
16	10:38	211 S. 78th St.	3.20	M.L	13:02	1205 S. Maple Pl.	3.50	M.L
17	11:21	7213 S Dennis Blvd.	3.40	ME	12:20	501 W Kenosha St.	2.70	ME
18	11:50	36500 E. 66th St.	3.50	R.M.	18:20	6057 S. 353rd E. Ave.	3.60	R.M.
19	11:55	6057 S. 353rd E. Ave.	3.20	R.M.	18:15	36500 E. 66th St.	3.40	R.M.
20	10:38	713 E. Kansas St.	3.80	M.L.	13:30	1305 W. Keywest St.	3.90	M.L.
21	08:45	3737 S. 14th St.	3.70	M.L.	13:04	3801 W. El Paso St.	3.40	M.L.
22	10:08	2616 W. Winston St.	3.90	M.L.	12:49	1701 S. Gum Ave.	3.80	M.L.
23	10:07	6905 E. Forest Ridge Blvd.	2.90	M.L.	13:57	2901 S. Date Ave.	3.10	M.L.
24	11:27	702 E Mason Dr.	3.30	SB	12:23	7213 S Dennis Blvd.	3.30	SB
25	11:45	1116 W. Granger St.	2.70	T.R.	12:44	804 N. 1st St.	3.00	T.R.
26	10:24	1312 N. 53rd St.	3.10	M.L.	14:18	4129 S. Cedar Pl.	3.50	M.L.
27	09:02	700 E. Wichita St.	3.10	M.L.	12:29	3805 S. Walnut Ave.	3.60	M.L.
28	11:20	2805 N. 21st St.	3.50	M.L.	13:45	3313 W. Pittsburg St.	3.40	M.L.
29	10:12	1416 E. Quannah St.	3.20	M.L.	13:47	1614 N. 26th Pl.	3.40	M.L.

Average 3.26

Min. 2.50

Max. 3.90

Average 3.40

Min. 2.70

Max. 3.90