

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

Reporting Period: [May] [2024]



CITY OF
BROKEN ARROW
Where opportunity lives

Operating Data Summary

Water Production (MG)

	Month	Average Day
Raw Water Treated	346.62	11.2
Finished Water	335.09	10.8

Monthly Chemical Usage (Non-Membrane Usage)

Chemical	Total lbs	lbs/Finished MG
Sodium Hypochlorite	28,560	1,217.6
Salt (for hypo generation)	85,680	3,652.7
Liquid Ammonium Sulfate	3,236	9.2
Sodium Permanganate	1,261	1.9
Aluminum Chlorohydrate	93,934	50.2
Sodium Hydroxide	13,433	15.4
Hydrofluosilicic Acid	1,714	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	186	
Highest Turbidity Reading	0.060	
No. Samples > 1 NTU	0	
No. Samples > 5 NTU	0	

Monthly Costs

	Total	\$/Finished MG	\$/1000 gal
Plant Electricity	\$59,046.28	\$176.21	\$0.1762
Total Chemical	\$112,823.88	\$336.70	\$0.3367
Total Labor	\$106,583.32	\$318.07	\$0.3181
Services	\$41,050.03	\$122.50	\$0.1225
Materials and Supplies	\$37,141.07	\$110.84	\$0.1108
Equipment Expenses	\$9,763.52	\$29.14	\$0.0291
Total	\$366,408.10	\$1,093.46	\$1.0935

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?

YES/NO

YES

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:

Rue Ann Fisher

6/10/2024

Date

Title:

Water Plant Manager

Operator Certificate No.

25369

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

Month:
Year

May
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	0.15	10.13	9.80		0.79
2	11.22	9.83	9.58		0.76
3	11.15	9.80	9.85		0.78
4	11.12	10.12	9.40		0.75
5	11.13	9.46	9.29		0.76
6	7.71	10.06	9.25		0.77
7	0.00	9.14	9.45		0.77
8	0.00	11.34	10.42		0.76
9	12.79	10.44	10.17		0.74
10	20.83	11.15	10.90		0.68
11	20.63	12.33	11.74		0.63
12	20.23	10.61	10.72		0.63
13	20.06	10.79	10.30		0.65
14	19.76	11.07	10.45		0.65
15	10.81	10.48	10.80		0.64
16	10.84	11.11	9.78		0.73
17	10.85	10.29	10.45		0.75
18	10.86	11.83	11.37		0.73
19	10.87	12.06	12.36		0.72
20	10.91	12.76	11.50		0.68
21	10.93	10.62	10.87		0.88
22	10.92	9.19	9.85		0.83
23	10.90	12.57	10.65		0.77
24	10.93	11.75	11.64		0.76
25	10.91	11.56	11.08		0.75
26	10.93	12.22	12.05		0.72
27	10.96	13.85	13.66		0.71
28	11.02	13.69	12.87		0.73
29	11.05	13.02	12.36		0.74
30	11.07	12.83	11.92		0.87
31	11.07	10.51	10.57		0.90
TOTAL	352.62	346.62	335.09	0.00	23.06
AVG	11.37	11.18	10.81	#DIV/0!	0.74
MAX	20.83	13.85	13.66	0.00	0.90
MIN	0.00	9.14	9.25	0.00	0.63

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

Month: May
Year: 2024

TOTAL CHEMICAL COST:		\$112,824	
Cost Per MG Treated	\$325.50	Cost Per MG Delivered	\$336.70
Million Gallons Treated	346.62	Million Gallons Delivered	335.09

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	11,205	784.33	86.8	90.97	0.1	0.17	478	2670.52	0.0	0.00	27.3	49.67
2	10,965	767.53	84.9	88.94	25.5	49.27	463	2584.82	0.0	0.00	26.7	48.56
3	11,110	777.73	85.7	89.84	25.3	48.95	473	2641.44	0.0	0.00	26.9	49.05
4	11,401	798.07	87.7	91.89	25.2	48.79	485	2708.54	0.0	0.00	27.5	50.16
5	10,534	737.37	80.2	84.01	25.2	48.85	440	2459.40	0.0	0.00	25.2	45.86
6	11,614	813.00	87.7	91.93	17.7	34.30	481	2685.21	0.0	0.00	27.2	49.56
7	10,720	750.40	80.5	84.40	0.0	0.00	434	2427.01	48.9	127.36	24.9	45.27
8	13,117	918.17	98.1	102.86	0.0	0.00	537	3002.84	86.8	226.18	30.3	55.17
9	12,126	848.81	90.8	95.17	28.6	55.30	496	2771.14	80.6	209.95	28.0	51.04
10	13,311	931.75	101.7	106.63	47.3	91.46	548	3063.48	142.8	372.15	31.0	56.55
11	14,209	994.61	111.6	116.99	46.8	90.55	592	3308.91	190.6	496.84	33.5	61.11
12	12,094	846.55	99.1	103.88	45.9	88.84	509	2846.71	168.8	439.95	29.1	52.96
13	12,408	868.59	101.1	105.90	45.5	88.03	526	2937.39	201.9	526.26	29.6	53.96
14	12,249	857.41	100.8	105.60	45.0	87.09	547	3055.34	201.3	524.70	29.5	53.81
15	12,430	870.10	102.8	107.69	24.5	47.47	559	3122.22	205.3	535.06	30.1	54.87
16	11,278	789.46	92.2	96.62	15.3	29.58	501	2800.84	175.7	457.95	27.0	49.23
17	11,809	826.64	95.8	100.36	0.0	0.00	522	2919.32	161.6	421.14	28.4	51.73
18	14,110	987.72	113.0	118.46	0.0	0.00	633	3534.78	232.9	607.11	33.7	61.38
19	14,741	1031.85	114.0	119.49	0.0	0.00	640	3576.78	271.0	706.22	34.2	62.25
20	14,634	1024.39	108.8	114.03	0.0	0.00	621	3468.66	262.6	684.34	33.1	60.24
21	12,542	877.96	90.1	94.44	0.0	0.00	503	2809.34	219.2	571.17	27.6	50.21
22	11,561	809.27	83.5	87.52	9.8	18.95	447	2496.20	203.1	529.26	25.5	46.54
23	15,351	1074.56	113.2	118.59	24.7	47.86	611	3415.40	274.6	715.67	34.6	63.05
24	14,464	1012.46	105.9	110.93	24.8	47.99	569	3180.43	257.0	669.84	32.4	58.98
25	14,444	1011.08	104.4	109.44	24.8	47.90	563	3144.54	253.6	661.03	31.9	58.19
26	15,585	1090.92	111.1	116.46	24.8	47.96	600	3351.00	263.2	686.08	34.0	61.92
27	17,572	1230.05	125.0	131.01	24.9	48.10	678	3789.96	304.7	794.17	38.4	70.02
28	16,049	1123.44	112.8	118.23	25.0	48.35	615	3436.36	276.2	719.85	34.8	63.41
29	16,038	1122.64	115.0	120.48	25.1	48.51	630	3519.95	243.1	633.61	35.5	64.62
30	15,177	1062.36	108.6	113.85	25.1	48.53	595	3327.15	228.3	595.12	33.5	61.08
31	13,153	920.74	95.1	99.69	25.1	48.58	515	2877.94	200.2	521.90	29.4	53.47
TOTAL	408,000	28,560	3,088	3,236	652	1,261	16,810	93,934	5,154	13,433	941	1,714
AVG	13,161	921.29	100	104.40	21	40.69	542	3030.12	166	433.32	30	55.29
MAX	17,572	1230.05	125	131.01	47	91.46	678	3789.96	305	794.17	38	70.02
MIN	10,534	737.37	80	84.01	0	0.00	434	2427.01	0	0.00	25	45.27
COST	\$15,705.56		\$5,592.85		\$9,308.95		\$65,753.51		\$11,283.66		\$5,179.35	
\$/MG	\$45.31		\$16.14		\$26.86		\$189.70		\$32.55		\$14.94	

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

Month: May
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	7.5	7.5	7.8	7.7	184.00	189.00	0.00	0.00	113.00	117.00	3.00
2	7.5	7.5	7.8	7.4	188.00	190.00	0.00	0.00	116.00	117.00	2.00
3	7.5	7.5	7.4	7.4	187.00	187.00	0.00	0.00	117.00	116.00	2.00
4	7.5	7.4	7.4	7.4	188.00	186.00	0.00	0.00	115.00	119.00	-3.00
5	7.5	7.4	7.4	7.4	183.00	182.00	0.00	0.00	115.00	115.00	-3.00
6	7.5	7.4	7.4	7.4	179.00	177.00	0.00	0.00	111.00	111.00	-1.00
7	7.5	7.4	7.5	7.4	177.00	177.00	0.00	0.00	112.00	112.00	-4.00
8	7.5	7.4	7.6	7.5	172.00	174.00	0.00	0.00	107.00	109.00	1.00
9	7.5	7.2	7.6	7.5	169.00	172.00	0.00	0.00	106.00	111.00	3.00
10	7.5	7.1	7.7	7.5	176.00	167.00	0.00	0.00	110.00	110.00	4.00
11	7.5	7.1	7.9	7.7	168.00	173.00	0.00	0.00	109.00	109.00	5.00
12	7.4	7.1	7.9	7.8	165.00	159.00	0.00	0.00	110.00	108.00	4.00
13	7.4	7.3	7.9	7.8	156.00	158.00	0.00	0.00	109.00	106.00	1.00
14	7.4	7.3	8.1	7.9	156.00	157.00	0.00	0.00	105.00	109.00	7.00
15	7.4	7.4	8.1	8.0	153.00	155.00	0.00	0.00	109.00	107.00	5.00
16	7.4	7.3	8.1	8.0	154.00	154.00	0.00	0.00	108.00	107.00	5.00
17	7.4	7.3	8.0	7.8	158.00	156.00	0.00	0.00	107.00	106.00	6.00
18	7.3	7.2	7.9	7.8	155.00	155.00	0.00	0.00	105.00	108.00	2.00
19	7.3	7.2	7.9	7.8	153.00	155.00	0.00	0.00	108.00	107.00	5.00
20	7.3	7.2	8.0	7.9	153.00	154.00	0.00	0.00	110.00	104.00	0.00
21	7.3	7.2	8.0	7.9	155.00	154.00	0.00	0.00	109.00	109.00	1.00
22	7.4	7.3	8.1	7.9	154.00	156.00	0.00	0.00	109.00	111.00	-1.00
23	7.3	7.3	8.1	8.1	151.00	158.00	0.00	0.00	105.00	108.00	5.00
24	7.3	7.3	8.1	8.0	157.00	161.00	0.00	0.00	108.00	107.00	4.00
25	7.3	7.3	8.0	8.0	160.00	155.00	0.00	0.00	107.00	109.00	6.00
26	7.3	7.3	8.0	7.9	155.00	155.00	0.00	0.00	108.00	106.00	8.00
27	7.3	7.3	8.0	7.9	157.00	154.00	0.00	0.00	108.00	108.00	7.00
28	7.4	7.3	8.1	7.9	152.00	155.00	0.00	0.00	106.00	108.00	3.00
29	7.4	7.3	8.1	7.9	157.00	157.00	0.00	0.00	109.00	108.00	2.00
30	7.4	7.3	8.0	7.9	160.00	157.00	0.00	0.00	107.00	107.00	3.00
31	7.4	7.4	8.0	8.0	153.00	161.00	0.00	0.00	107.00	104.00	2.00
AVG					164	165	0	0	109	109	3
MAX	7.5	7.5	8.1	8.1	188	190	0	0	117	119	8
MIN	7.3	7.1	7.4	7.4	151	154	0	0	105	104	-4

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

Month: May
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	0.04	0.03	0.03	0.03	0.02	3.42	3.38	3.41	3.50	3.57	3.42
2	0.03	0.02	0.03	0.02	0.02	0.02	3.37	3.43	3.53	3.50	3.51	3.38
3	0.03	0.03	0.05	0.03	0.02	0.02	3.33	3.34	3.37	3.49	3.48	3.32
4	0.02	0.02	0.03	0.02	0.02	0.03	3.38	3.47	3.36	3.42	3.40	3.36
5	0.04	0.02	0.03	0.02	0.04	0.03	3.43	3.43	3.43	3.42	3.41	3.42
6	0.02	0.03	0.03	0.03	0.03	0.02	3.39	3.44	3.43	3.40	3.39	3.38
7	0.02	0.02	0.02	0.02	0.02	0.02	3.33	3.39	3.38	3.40	3.39	3.33
8	0.03	0.03	0.02	0.02	0.02	0.03	3.43	3.53	3.63	3.63	3.55	3.51
9	0.03	0.06	0.03	0.02	0.03	0.03	3.48	3.45	3.61	3.58	3.55	3.44
10	0.02	0.04	0.02	0.02	0.02	0.03	3.56	3.46	3.52	3.54	3.62	3.54
11	0.04	0.02	0.02	0.02	0.02	0.02	3.87	3.71	3.75	3.78	3.77	3.78
12	0.02	0.03	0.03	0.03	0.03	0.02	3.76	3.86	3.83	3.80	3.78	3.77
13	0.02	0.03	0.02	0.02	0.03	0.02	3.84	3.77	3.80	3.79	3.82	3.78
14	0.02	0.02	0.02	0.03	0.03	0.02	3.87	3.91	3.92	3.93	3.91	3.86
15	0.02	0.02	0.02	0.02	0.02	0.02	3.96	3.89	3.89	3.89	3.89	3.91
16	0.02	0.03	0.02	0.02	0.02	0.02	3.75	3.96	3.95	3.93	3.89	3.81
17	0.02	0.02	0.02	0.02	0.02	0.02	3.77	3.72	3.72	3.72	3.65	3.60
18	0.02	0.01	0.02	0.01	0.02	0.02	3.65	3.76	3.75	3.70	3.68	3.64
19	0.01	0.01	0.02	0.02	0.01	0.02	3.74	3.63	3.64	3.62	3.60	3.64
20	0.02	0.01	0.02	0.01	0.02	0.02	3.74	3.74	3.71	3.70	3.70	3.72
21	0.02	0.02	0.02	0.02	0.02	0.02	3.64	3.79	3.77	3.73	3.71	3.64
22	0.02	0.02	0.02	0.02	0.02	0.02	3.88	3.63	3.70	3.67	3.69	3.78
23	0.03	0.02	0.02	0.01	0.02	0.02	3.72	3.89	3.87	3.84	3.79	3.77
24	0.02	0.02	0.02	0.02	0.02	0.02	3.65	3.69	3.67	3.66	3.65	3.61
25	0.01	0.02	0.01	0.01	0.02	0.02	3.72	3.71	3.68	3.66	3.61	3.60
26	0.02	0.02	0.02	0.02	0.03	0.02	3.68	3.74	3.78	3.76	3.70	3.68
27	0.02	0.04	0.02	0.02	0.02	0.03	3.76	3.74	3.70	3.69	3.68	3.73
28	0.01	0.02	0.02	0.02	0.02	0.02	3.71	3.78	3.81	3.78	3.74	3.69
29	0.02	0.01	0.02	0.02	0.02	0.02	3.73	3.78	3.79	3.80	3.79	3.77
30	0.01	0.02	0.02	0.02	0.01	0.01	3.79	3.71	3.71	3.70	3.40	3.58
31	0.01	0.01	0.01	0.01	0.01	0.01	3.65	3.79	3.72	3.68	3.65	3.65
AVG	0.02	0.02	0.02	0.02	0.02	0.02	3.6	3.7	3.7	3.7	3.6	3.6
MAX	0.04	0.06	0.05	0.03	0.04	0.03	4.0	4.0	4.0	3.9	3.9	3.9
MIN	0.01	0.01	0.01	0.01	0.01	0.01	3.3	3.3	3.4	3.4	3.4	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 Samples	186
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PWSID 1021508 SYSTEM COBA WTP

MONTH May

*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	9,799	50	0.61	0.23	0.28	0.71	0.90
2	9,583	49	0.61	0.13	0.24	0.54	0.70
3	9,853	49	0.60	0.24	0.18	0.82	0.65
4	9,397	50	0.64	0.30	0.18	0.84	0.80
5	9,288	46	0.59	0.01	0.38	0.42	0.86
6	9,251	50	0.64	0.35	0.34	0.84	1.08
7	9,455	45	0.57	0.27	0.42	0.83	0.97
8	10,420	55	0.63	0.46	0.22	0.93	0.78
9	10,166	51	0.60	0.21	0.32	0.81	0.82
10	10,900	57	0.62	0.26	0.39	0.85	0.93
11	11,740	61	0.62	0.06	0.43	0.64	0.99
12	10,724	53	0.59	0.12	0.31	0.79	1.03
13	10,299	54	0.63	0.27	0.32	0.77	0.81
14	10,448	54	0.62	0.65	0.24	1.53	0.71
15	10,799	55	0.61	0.27	0.28	0.78	0.70
16	9,782	49	0.60	0.18	0.48	0.64	0.98
17	10,447	52	0.59	0.30	0.35	0.77	0.96
18	11,373	61	0.65	0.16	0.34	0.49	0.82
19	12,363	62	0.60	0.27	0.27	0.83	0.81
20	11,497	60	0.63	0.28	0.29	0.77	0.62
21	10,873	50	0.55	0.31	0.09	0.86	0.76
22	9,846	47	0.57	0.27	0.37	0.75	0.86
23	10,646	63	0.71	0.28	0.38	0.63	0.88
24	11,637	59	0.61	0.15	0.46	0.52	0.95
25	11,082	58	0.63	0.03	0.46	0.48	1.02
26	12,053	62	0.62	0.17	0.37	0.72	0.65
27	13,659	70	0.61	0.33	0.16	0.79	0.60
28	12,867	63	0.59	0.11	0.27	0.67	0.80
29	12,357	65	0.63	0.29	0.35	0.77	0.67
30	11,919	61	0.61	0.18	0.11	0.81	0.49
31	10,571	53	0.61	0.25	0.44	0.65	0.89
Total	335,091	1,714					
Avg.	10,809	55	0.61	0.24	0.31	0.75	0.82

*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: May

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	08:11	1005 N. Willow Ave.	2.80	M.L.	12:49	1817 S. Date Ave.	2.40	M.L.
2	10:11	8017 S. Peach Ave.	2.50	M.L.	12:21	601 N. Palm Ave.	2.80	M.L.
3	8:30	3601 W Kenosha St.	2.50	ML	12:42	718 E Canton St	2.50	ML
4	6:22	2100 W New Orleans St.	2.60	ME	14:24	6057 S 353rd E Ave.	3.00	ME
5	11:36	702 E. Mason Dr.	2.80	J.B.	12:13	3706 S. Orange Cir.	2.30	J.B.
6	08:55	1102 E. Dover St.	2.90	A.R.	16:08	13604 S. 124th E. Ave.	2.10	J.M.
7	09:25	1116 W. Granger St.	2.30	M.L.	12:14	3706 S. Orange Cir.	2.10	M.L.
8	08:58	4029 S. Cedar Pl.	2.70	M.L.	12:31	1204 S. 71st St.	3.50	M.L.
9	08:41	5005 S. Lions Ave	2.60	M.L	13:46	1200 E. Dover St.	2.70	M.L
10	08:19	622 N. Birch Ave	2.40	M.L	13:25	500 S. Forest Ridge Blvd	3.10	M.L
11	11:35	1301 N 53rd St	3.00	ME	12:45	4705 S Elm Pl.	3.00	ME
12	11:53	2909 E. Montpelier St.	3.30	R.M.	12:40	2101 W. Gary St.	3.10	R.M.
13	09:20	1729 S. Pine Ave.	3.40	J.S.	14:33	1903 W. Rockport Pl.	3.10	J.S.
14	09:54	608 E. Pensacola St.	3.00	M.L.	12:34	1005 N. Willow Ave.	3.10	M.L.
15	08:28	8017 S. Peach Ave.	2.80	M.L.	15:18	1200 E. Dover St.	3.70	J.B.
16	08:22	7417 E. Jackson St.	3.70	M.L.	12:33	3405 W. Pittsburg St.	3.80	M.L.
17	9:20	6505 S Sycamore Ave	2.50	SL	14:00	1900 W Rockport	3.40	SL
18	11:10	6057 S. 353rd E. Ave	3.10	S.B	15:40	36500 E. 66th St. S.	2.70	S.B
19	11:55	36500 E. 66th St. S.	3.60	R.M.	18:15	6057 S. 353rd E. Ave.	3.30	R.M.
20	11:17	1817 S. Willow Ave.	2.70	M.L.	12:38	1903 W. Rockport Pl.	3.10	M.L.
21	09:15	12211 E. 126th St.	3.00	M.L.	13:02	4121 E. Omaha St.	2.50	M.L.
22	08:41	2325 W. Jackson St.	3.10	M.L.	12:34	2909 E. Montpelier St.	3.20	M.L.
23	09:56	7900 E. Norman St.	3.60	M.L.	12:49	601 N. Palm Ave.	3.70	M.L.
24	09:45	6805 S. Sycamore Ave	2.60	M.L	13:17	301 S. 24th St.	2.90	M.L
25	11:47	1301 N 53rd St.	3.40	ME	12:41	4705 S Elm Pl.	3.40	ME
26	11:48	1309 E. Reno St.	3.40	T.R.	12:38	2700 N. 7th St.	3.30	T.R.
27	11:47	2400 W. Omaha St.	3.30	T.R.	12:54	5005 S. Lions Ave.	3.50	T.R.
28	07:52	2224 E. Fargo St.	3.50	M.L.	13:13	5201 S. Oak Ave.	3.40	M.L.
29	09:48	2623 W. Toledo Ct.	3.10	M.L.	13:14	1509 N. 26th Pl.	3.40	M.L.
30	10:46	1405 N. Aspen Ave.	2.90	M.L.	12:47	3413 W. Gary St.	3.10	M.L.
31	07:49	617 S. Magnolia Ave.	2.10	M.L.	12:26	800 E. Waco St	3.20	M.L.

Average 2.94

Min. 2.10

Max. 3.70

Average 3.05

Min. 2.10

Max. 3.80