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

Reporting Period: [October] [2023]

CITY OF BROKEN ARROW
Where opportunity lives

Operating Data Summary

Water Production (MG)

	Month	Average Day
Raw Water Treated	375.47	12.1
Finished Water	367.34	11.8

Monthly Chemical Usage (Non-Membrane Usage)

Chemical	Total lbs	lbs/Finished MG
Sodium Hypochlorite	26,768	1,041.0
Salt (for hypo generation)	80,304	3,123.0
Liquid Ammonium Sulfate	3,471	9.0
Sodium Permanganate	1,008	1.4
Aluminum Chlorohydrate	78,834	38.4
Sodium Hydroxide	6,487	6.8
Hydrofluosilisic Acid	928	1.4

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	0.077	
No. Samples > 1 NTU	0	
No. Samples > 5 NTU	0	

Monthly Costs

	Total	$/Finished MG	$/1000 gal
Plant Electricity	$93,305.19	$254.00	$0.2540
Total Chemical	$97,882.65	$266.47	$0.2665
Total Labor	$100,380.70	$273.27	$0.2733
Services	$39,183.77	$106.67	$0.1067
Materials and Supplies	$37,284.02	$101.50	$0.1015
Equipment Expenses	$3,378.12	$9.20	$0.0092
Total	$371,414.45	$1,011.10	$1.0111

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
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:

Signed: LouAnn Fisher **11/7/2023**
Date

Title: **Water Plant Manager**

Operator Certificate No. **25369**

Notes: Sodium Permanganate down from the 24th through the 31st for maintenance.

Public Water System Name:	COBA Water Treatment Plant	Month:	October
PWS ID No.:	OK 1021508	Year	2023

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	18.28	15.16	13.95		0.64
2	18.16	14.75	14.93		0.65
3	17.86	13.90	12.20		0.68
4	0.00	12.34	12.55		0.72
5	0.00	10.65	10.48		0.57
6	7.41	11.81	12.22		0.65
7	18.46	11.24	10.42		0.57
8	18.15	11.15	11.67		0.64
9	18.10	12.38	13.41		0.63
10	18.00	13.26	12.37		0.69
11	17.88	13.53	13.51		0.64
12	15.61	12.36	12.09		0.61
13	7.92	12.71	12.26		0.60
14	7.98	12.28	11.89		0.63
15	8.04	11.47	11.84		0.60
16	8.29	13.16	12.96		0.66
17	8.41	13.70	12.58		0.63
18	8.46	14.26	13.81		1.04
19	17.86	15.85	12.90		1.05
20	18.40	11.18	13.37		0.78
21	18.27	11.78	11.76		0.65
22	18.16	13.28	12.55		0.64
23	17.89	12.64	12.86		0.84
24	10.76	11.32	9.90		0.79
25	8.86	10.09	10.66		0.75
26	0.00	9.06	9.19		0.70
27	0.00	11.53	10.49		0.60
28	7.79	9.96	9.67		0.58
29	11.13	8.75	9.55		0.59
30	11.09	9.83	9.64		0.58
31	11.08	10.11	9.68		0.55
TOTAL	**368.32**	**375.47**	**367.34**	**0.00**	**20.94**
AVG	11.88	12.11	11.85	#DIV/0!	0.68
MAX	18.46	15.85	14.93	0.00	1.05
MIN	0.00	8.75	9.19	0.00	0.55

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

Month: October
Year: 2023

TOTAL CHEMICAL COST:	$97,883		
Cost Per MG Treated	$260.69	Cost Per MG Delivered	$266.47
Million Gallons Treated	375.47	Million Gallons Delivered	367.34

Non-Membrane System Chemical Usage

Date	Sodium Hypochlorite (CL) NaClO		Liquid Ammonium Sulfate (LAS)		Sodium Permanganate (SP)		Aluminum Chlorohydrate (ACH)		Sodium Hydroxide (SH)		Hydrofluosilisic 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	17,158	1201.04	132.8	139.20	41.5	80.25	591	3304.14	118.6	309.15	20.7	37.72
2	17,362	1215.36	143.0	149.82	41.2	79.71	594	3317.76	124.3	323.93	20.8	37.94
3	15,727	1100.88	108.8	114.07	40.8	79.03	496	2771.24	109.6	285.56	17.4	31.61
4	16,497	1154.78	109.3	114.59	0.0	0.02	501	2801.04	106.0	276.20	17.5	31.89
5	11,926	834.82	93.3	97.73	0.0	0.00	382	2134.67	80.3	209.34	13.4	24.37
6	14,238	996.63	108.6	113.83	16.4	31.81	500	2792.22	104.2	271.55	17.5	31.78
7	12,244	857.05	96.4	101.01	41.9	81.05	427	2387.17	64.9	169.16	15.0	27.33
8	12,111	847.79	107.5	112.70	41.2	79.64	439	2451.21	91.6	238.61	15.3	27.88
9	13,797	965.80	119.3	124.98	41.0	79.42	530	2960.38	110.9	289.02	18.6	33.81
10	13,326	932.80	109.4	114.68	40.8	79.01	515	2880.11	107.8	280.85	18.0	32.86
11	14,575	1020.28	122.4	128.23	40.6	78.51	565	3158.49	119.0	310.10	20.0	36.37
12	11,422	799.56	103.7	108.70	35.6	68.90	427	2384.32	92.9	242.18	15.5	28.18
13	13,112	917.81	113.7	119.20	18.0	34.76	491	2741.03	111.9	291.64	18.7	34.10
14	11,079	775.50	109.9	115.16	18.1	35.05	411	2298.62	94.0	245.05	15.7	28.52
15	11,507	805.52	105.3	110.33	18.2	35.30	420	2345.46	93.6	243.97	15.9	29.05
16	14,351	1004.59	111.3	116.67	18.8	36.37	498	2782.87	104.6	272.53	18.9	34.42
17	14,604	1022.31	111.6	116.94	19.1	36.90	493	2753.06	86.4	225.30	18.7	34.08
18	15,283	1069.79	125.2	131.18	19.2	37.14	531	2965.21	72.9	190.01	19.3	35.21
19	14,099	986.95	118.8	124.52	3.3	6.38	505	2819.64	75.7	197.33	18.5	33.76
20	11,506	805.45	124.4	130.39	0.0	0.00	474	2651.08	83.3	217.07	17.9	32.66
21	10,036	702.52	106.9	112.04	0.0	0.01	428	2389.02	75.5	196.80	16.2	29.50
22	11,416	799.09	112.0	117.37	21.4	41.36	490	2736.22	86.1	224.40	18.5	33.79
23	11,680	817.63	116.5	122.08	3.5	6.81	498	2780.24	86.6	225.72	18.7	34.09
24	8,567	599.71	89.8	94.08	0.0	0.00	350	1953.16	59.8	155.93	9.5	17.36
25	9,412	658.85	94.2	98.73	0.0	0.00	377	2108.46	62.8	163.65	14.1	25.75
26	8,637	604.61	77.4	81.13	0.0	0.00	341	1905.07	56.9	148.32	12.8	23.39
27	11,097	776.78	93.7	98.19	0.0	0.00	423	2364.22	70.7	184.32	16.1	29.26
28	8,976	628.35	82.9	86.83	0.0	0.00	341	1902.89	24.6	64.11	13.0	23.63
29	8,644	605.07	83.0	86.94	0.0	0.00	333	1858.87	4.5	11.65	11.1	20.24
30	9,142	639.94	89.4	93.66	0.0	0.00	365	2037.84	4.4	11.50	11.6	21.04
31	8,867	620.69	91.4	95.74	0.0	0.09	376	2098.64	4.8	12.48	14.3	26.13
TOTAL	382,400	26,768	3,312	3,471	521	1,008	14,108	78,834	2,489	6,487	509	928
AVG	12,335	863.48	107	111.96	17	32.50	455	2543.04	80	209.27	16	29.93
MAX	17,362	1215.36	143	149.82	42	81.05	594	3317.76	124	323.93	21	37.94
MIN	8,567	599.71	77	81.13	0	0.00	333	1858.87	4	11.50	10	17.36
COST	$14,720.11		$7,244.69		$7,435.36		$60,229.44		$5,449.46		$2,803.59	
$/MG	$39.20		$19.29		$19.80		$160.41		$14.51		$7.47	

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

Month: October
Year: 2023

Date	pH (by Continuous Reading Analyzers)				Hardness and Alkalinity - Finished Water Grab Samples						
					Hardness (ppm)		Alkalinity (ppm as $CaCO_3$)				$CaCO_3$ Stability
	Membrane Filtrate		Finished Water				Phenol	Phenol	Total	Total	
	Daily Max	Daily Min	Daily Max	Daily Min	AM	PM	AM	PM	AM	PM	
1	7.7	7.6	7.9	7.9	121.00	120.00	0.00	0.00	94.00	95.00	1.00
2	7.6	7.6	7.9	7.8	118.00	120.00	0.00	0.00	92.00	96.00	1.00
3	7.7	7.6	8.0	7.9	118.00	120.00	0.00	0.00	93.00	94.00	-5.00
4	7.7	7.7	8.1	8.0	116.00	121.00	0.00	0.00	95.00	97.00	0.00
5	7.7	7.6	8.0	7.9	122.00	122.00	0.00	0.00	98.00	95.00	3.00
6	7.8	7.6	8.0	7.9	120.00	124.00	0.00	0.00	96.00	97.00	3.00
7	7.7	7.7	8.0	7.8	124.00	124.00	0.00	0.00	98.00	95.00	0.00
8	7.7	7.7	8.0	7.9	122.00	122.00	0.00	0.00	94.00	93.00	4.00
9	7.7	7.7	8.0	8.0	122.00	125.00	0.00	0.00	94.00	96.00	0.00
10	7.8	7.7	8.1	8.0	124.00	126.00	0.00	0.00	94.00	96.00	4.00
11	7.8	7.7	8.1	8.0	122.00	125.00	0.00	0.00	96.00	97.00	5.00
12	7.8	7.4	8.1	8.1	122.00	129.00	0.00	0.00	96.00	99.00	0.00
13	7.8	7.2	8.1	8.1	131.00	131.00	0.00	0.00	98.00	100.00	2.00
14	8.2	7.3	8.2	8.1	135.00	128.00	0.00	0.00	99.00	99.00	5.00
15	7.8	7.8	8.2	8.1	131.00	127.00	0.00	0.00	100.00	100.00	7.00
16	7.9	7.8	8.2	8.1	124.00	128.00	0.00	0.00	97.00	99.00	4.00
17	7.9	7.8	8.1	8.1	133.00	133.00	0.00	0.00	98.00	100.00	1.00
18	7.9	7.8	8.1	8.0	125.00	130.00	0.00	0.00	98.00	101.00	0.00
19	8.0	7.9	8.1	8.0	127.00	129.00	0.00	0.00	102.00	99.00	4.00
20	7.9	7.8	8.1	8.1	136.00	128.00	0.00	0.00	100.00	100.00	5.00
21	7.9	7.8	8.1	8.1	130.00	133.00	0.00	0.00	101.00	100.00	2.00
22	7.9	7.8	8.1	8.0	138.00	129.00	0.00	0.00	101.00	95.00	3.00
23	7.9	7.8	8.1	8.1	132.00	133.00	0.00	0.00	101.00	102.00	-1.00
24	7.9	7.8	8.2	8.1	128.00	133.00	0.00	0.00	97.00	102.00	8.00
25	7.9	7.8	8.2	8.1	132.00	131.00	0.00	0.00	100.00	103.00	-1.00
26	7.9	7.8	8.2	8.1	129.00	132.00	0.00	0.00	101.00	102.00	7.00
27	8.0	7.9	8.1	8.0	134.00	129.00	0.00	0.00	100.00	100.00	4.00
28	8.0	7.9	8.2	8.1	130.00	129.00	0.00	0.00	99.00	100.00	4.00
29	7.9	7.9	8.1	8.0	132.00	128.00	0.00	0.00	101.00	97.00	6.00
30	7.9	7.8	8.0	7.9	131.00	130.00	0.00	0.00	98.00	100.00	3.00
31	8.0	7.9	8.1	8.0	129.00	129.00	0.00	0.00	96.00	98.00	-2.00
AVG					**127**	**127**	**0**	**0**	**98**	**98**	**2**
MAX	8.2	7.9	8.2	8.1	138	133	0	0	102	103	8
MIN	7.6	7.2	7.9	7.8	116	120	0	0	92	93	-5

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

Month: October
Year: 2023

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	0.01	0.02	0.02	3.84	3.83	3.77	3.74	3.73	3.75
2	0.04	0.04	0.02	0.03	0.03	0.02	3.41	3.82	3.86	3.91	3.82	3.60
3	0.05	0.03	0.08	0.02	0.02	0.02	3.45	3.30	3.29	3.38	3.42	3.40
4	0.03	0.02	0.02	0.02	0.02	0.03	3.74	3.43	3.41	3.38	3.42	3.63
5	0.02	0.03	0.03	0.02	0.02	0.02	3.80	3.77	3.71	3.68	3.72	3.75
6	0.02	0.02	0.02	0.02	0.02	0.03	3.46	3.84	3.95	3.90	3.70	3.57
7	0.02	0.02	0.03	0.02	0.02	0.03	3.55	3.42	3.40	3.40	3.43	3.46
8	0.02	0.02	0.02	0.02	0.02	0.02	3.83	3.63	3.71	3.79	3.83	3.84
9	0.04	0.02	0.02	0.02	0.02	0.02	3.82	3.87	3.88	3.88	3.88	3.85
10	0.02	0.02	0.02	0.02	0.02	0.02	3.71	3.77	3.76	3.72	3.72	3.72
11	0.02	0.02	0.02	0.02	0.02	0.02	3.79	3.69	3.70	3.71	3.75	3.76
12	0.02	0.02	0.02	0.02	0.02	0.01	3.75	3.78	3.78	3.80	3.81	3.71
13	0.02	0.02	0.02	0.02	0.02	0.02	3.74	3.77	3.74	3.72	3.71	3.71
14	0.02	0.02	0.02	0.02	0.04	0.02	3.79	3.74	3.74	3.74	3.74	3.78
15	0.02	0.02	0.02	0.02	0.02	0.02	3.70	3.79	3.79	3.79	3.73	3.71
16	0.02	0.02	0.02	0.02	0.02	0.02	3.74	3.69	3.68	3.68	3.70	3.75
17	0.05	0.02	0.05	0.02	0.02	0.02	3.69	3.72	3.70	3.69	3.70	3.71
18	0.04	0.02	0.02	0.06	0.02	0.02	3.96	3.67	3.67	3.69	3.77	3.92
19	0.02	0.02	0.05	0.02	0.02	0.02	3.77	3.82	3.63	3.66	3.67	3.73
20	0.02	0.02	0.02	0.02	0.04	0.01	3.97	3.64	3.80	3.89	3.92	3.97
21	0.02	0.03	0.02	0.02	0.02	0.02	3.75	3.93	3.90	3.84	3.79	3.77
22	0.02	0.02	0.03	0.02	0.02	0.02	3.68	3.73	3.72	3.69	3.66	3.68
23	0.02	0.02	0.04	0.02	0.03	0.02	3.73	3.67	3.66	3.67	3.68	3.69
24	0.03	0.02	0.02	0.02	0.02	0.02	3.73	3.77	3.75	3.71	3.69	3.68
25	0.02	0.02	0.02	0.02	0.05	0.02	3.73	3.75	3.79	3.76	3.74	3.74
26	0.02	0.02	0.02	0.02	0.02	0.07	3.68	3.72	3.69	3.66	3.64	3.63
27	0.02	0.02	0.02	0.02	0.02	0.04	3.41	3.66	3.56	3.49	3.40	3.38
28	0.02	0.02	0.03	0.02	0.02	0.02	3.61	3.42	3.46	3.46	3.48	3.53
29	0.02	0.02	0.02	0.03	0.02	0.02	3.76	3.65	3.70	3.73	3.74	3.75
30	0.02	0.02	0.02	0.02	0.02	0.02	3.78	3.76	3.77	3.76	3.76	3.77
31	0.02	0.02	0.02	0.01	0.02	0.02	3.85	3.81	3.83	3.86	3.87	3.86
AVG	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**3.7**	**3.7**	**3.7**	**3.7**	**3.7**	**3.7**
MAX	0.05	0.04	0.08	0.06	0.05	0.07	4.0	3.9	3.9	3.9	3.9	4.0
MIN	0.02	0.02	0.02	0.01	0.02	0.01	3.4	3.3	3.3	3.4	3.4	3.4

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 October

*Type of Material Applied **Hydrofluosilicic Acid** YEAR 2023

Date	Water Treated	APPLIED		RESIDUAL F, ppm (RAW)		RESIDUAL F, ppm (FINISHED WATER)	
	1,000s of Gallons	LBS/DAY	PPM of F	AM	PM	AM	PM
1	13,954	38	0.32	0.10	0.20	0.62	0.36
2	14,933	38	0.30	0.19	0.26	0.32	0.52
3	12,203	32	0.31	0.51	0.25	0.73	0.68
4	12,545	32	0.30	0.21	0.30	0.50	0.53
5	10,477	24	0.28	0.44	0.37	0.66	0.65
6	12,217	32	0.31	0.19	0.23	0.37	0.72
7	10,419	27	0.31	0.19	0.29	0.61	0.43
8	11,671	28	0.29	0.23	0.32	0.37	0.61
9	13,406	34	0.30	0.21	0.32	0.42	0.63
10	12,371	33	0.32	0.34	0.18	0.65	0.45
11	13,506	36	0.32	0.31	0.27	0.58	0.59
12	12,087	28	0.28	0.27	0.36	0.54	0.70
13	12,260	34	0.33	0.23	0.45	0.66	0.72
14	11,886	29	0.29	0.15	0.48	0.40	0.75
15	11,835	29	0.29	0.25	0.23	0.50	0.52
16	12,957	34	0.32	0.33	0.19	0.66	0.44
17	12,584	34	0.32	0.39	0.31	0.73	0.58
18	13,813	35	0.31	0.25	0.32	0.75	0.60
19	12,903	34	0.31	0.36	0.29	0.67	0.55
20	13,370	33	0.29	0.22	0.49	0.68	0.77
21	11,760	30	0.30	0.18	0.22	0.55	0.51
22	12,552	34	0.32	0.34	0.29	0.59	0.52
23	12,860	34	0.32	0.24	0.31	0.62	0.60
24	9,905	17	0.21	0.40	0.40	0.81	0.46
25	10,659	26	0.29	0.30	0.19	0.55	0.56
26	9,188	23	0.31	0.39	0.32	0.84	0.63
27	10,487	29	0.33	0.23	0.37	0.58	0.60
28	9,665	24	0.29	0.21	0.36	0.53	0.67
29	9,553	20	0.25	0.34	0.42	0.59	0.65
30	9,636	21	0.26	0.34	0.35	0.60	0.68
31	9,677	26	0.32	0.27	0.26	0.42	0.56
Total	367,337	928					
Avg.	11,850	30	0.30	0.28	0.31	0.58	0.59

*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:	October
PWS ID No.:	OK 1021508	Year:	2023

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	36500 E. 66th St. S.	3.60	R.M.	18:50	6057 S. 353rd E. Ave.	2.40	R.M.
2	10:36	1417 N. 53rd St.	2.70	M.L.	12:32	1034 W. Boston St.	3.10	M.L.
3	09:46	7101 S. 3rd St.	2.70	M.L.	14:38	1400 W. Sandusky St.	2.50	M.L.
4	09:24	4205 E. Omaha St.	3.00	M.L.	13:25	12710 E. 134th St. S.	2.90	M.L.
5	09:15	11602 E. 151st St. S.	2.10	M.L.	13:49	1116 W. Granger St.	2.70	M.L.
6	9:35	13st Andrew's Circle	2.40	ML	13:42	2607 E Albany St	3.20	ML
7	11:37	1301 N. 53rd St.	3.30	S.B	12:15	708 W. Waco St.	3.30	S.B
8	11:45	2401 W. Omaha St.	2.40	T.R.	12:41	2119 E. Concord Pl.	3.20	T.R.
9	08:47	13725 S. 124th E. Ave.	2.60	M.L.	13:20	4621 N. Sycamore Ave.	2.50	M.L.
10	08:55	7900 E. Norman St.	3.60	M.L.	12:56	4001 S. Chestnut Ave.	3.60	M.L.
11	08:51	12314 E. 126th Pl.	3.30	M.L.	13:23	1903 W. Rockport Pl.	3.20	M.L.
12	08:55	101 S. 64th St.	3.20	M.L.	13:01	3913 W. South Park Blvd.	3.30	M.L.
13	10:30	725 E Cargo St	3.40	ML	13:50	7222 S Walnut Cr.	3.30	ML
14	11:50	7213 S Dennis Blvd	3.70	ME	12:53	3621 S Elm St	3.10	ME
15	11:45	36500 E. 66th St. S.	3.00	R.M.	18:20	6057 S. 353rd E. Ave.	2.30	R.M.
16	09:00	24606 E. Johnson St.	3.20	M.L.	12:54	4519 W. Oakridge St.	2.70	M.L.
17	09:20	902 W. Indianapolis Pl. N.	3.30	M.L.	12:53	8109 W. Mobile Pl.	3.20	M.L.
18	08:11	621 S. Redwood Ave.	2.80	M.L.	14:43	22336 E. 69th St.	3.10	M.L.
19	8:15	13605 S 124th E Ave.	3.20	ML	12:41	1212 E Yakima St.	3.70	ML
20	9:30	7309 E Jackson St.	3.50	ML	13:38	3928 W Union St.	3.20	ML
21	11:47	702 Mason Dr.	3.60	SB	12:14	608 E Pensacola St	2.80	SB
22	11:45	2700 N. 7th St.	3.20	T.R.	12:39	2400 E. Kenosha St.	3.60	T.R.
23	08:35	1602 E. Jasper Pl.	3.10	A.R.	13:25	3221 N. 3rd Pl. E.	3.10	A.R.
24	09:10	7413 S. Delucca St.	3.30	A.R.	12:50	4005 S. Palm Ave. W.	3.20	A.R.
25	08:07	720 W. Oakland St.	2.70	A.R.	12:40	2800 S. Narcissus Ct.	3.10	A.R.
26	08:51	7002 S. 252nd E. Ave.	3.60	M.L.	12:31	4401 W. Hartford St.	3.20	M.L.
27	10:20	2224 E Fargo St.	3.50	ML	13:25	2603 W Van Buren Cir	3.50	ML
28	10:29	6057 S. 353rd E. Ave	3.40	S.B	15:45	36500 E. 66th St. S.	3.50	S.B
29	11:45	2909 E. Montpelier St.	3.00	R.M.	12:20	2101 W. Gary St.	3.00	R.M.
30	10:20	1305 N. Willow Ave.	2.50	M.L.	13:21	7700 E. Fort Worth St.	2.30	M.L.
31	09:08	2005 W. Huntsville Ct.	2.70	M.L.	14:07	3332 N. 1st St.	2.70	M.L.
		Average	3.08			Average	3.05	
		Min.	2.10			Min.	2.30	
		Max.	3.70			Max.	3.70	