

To: Honorable Mayor and City Councilors
From: Thomas M. Moton, Jr., City Manager
Date: June 6, 2014
Re: Notes to Council

1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION

- Staff Response to Council Inquiry About GO Bond 2014 Recommended Street Project
- Notice of Sanitary Sewer Overflow
- Update No. 2 on Verdigris River Water Rights
- Draft Regional Metropolitan Utility Authority Agenda

2. GENERAL CORRESPONDENCE / NOTIFICATION

- Agenda for DAB

3. SPECIAL EVENTS / ACTIVITIES

- Notice of Special Meeting for June 9, 2014 at 6:00pm
- Upcoming Events
- Fireworks Permits, Sale of and how to Obtain A Permit
- Military History Museum Agenda for National Flag Day on Saturday, June 14

Respectfully submitted,



Thomas M. Moton, Jr.

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Attachments

1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION

To: Thomas Moton, Jr., City Manager
From: Jeff Jenkins, Assistant City Manager
Date: June 6, 2014
Re: LOS data question from June 2nd meeting

I am following up on a question I received from Councilor Lester at the June 2, 2014 Council meeting. At the time, we were discussing different levels of services for roadways and intersections in the future. The question involved the level of service (LOS) for the intersection at 9th and Houston; however, I thought I would cover some additional areas to give everyone more information. TEC measure our LOS recently for arterial streets for 2013, 2018, and 2023. They also measured intersection LOS for 2013, 2018, 2023. On the intersection they focused on the following: AM/PM peak hour, critical approach and intersection delays.

Arterial Street LOS

	2013	2018	2023
• Lynn Lane (9 th) from Kenosha to Houston:	D	D	E
• Lynn Lane (9 th) from Houston to Washington:	C	C	C

Intersection LOS

	2013 AM/PM	2018 AM/PM	2023 AM/PM
• Lynn Lane (9 th) and Houston	C/C	C/C	C/C
• Lynn Lane (9 th) and Kenosha	C/D	D/D	D/E

I attached the pages where these areas are referenced in their report.

Thanks,



Jeff Jenkins
Assistant City Manager

Attachments

Arterial Street Levels-of-Service for 2013, 2018 and 2023

Street	Segment	Current Lanes	LOS C ADT	2013			2018			2023		
				ADT	LOS	% of LOS C	ADT	LOS	% of LOS C	ADT	LOS	% of LOS C
Mingo	New Orleans to Florence	2	11,900	9588	C	81%	10586	C	89%	11688	C	98%
Garnett	Albany to Kenosha	5	25,200	17442	B	69%	19257	C	75%	21262	C	84%
	Kenosha to Houston	5	25,200	13770	B	55%	15203	B	60%	16796	B	67%
	Houston to Washington	2	11,900	10608	C	89%	11712	C	98%	12931	D	109%
	Washington to New Orleans	2	11,900	11271	C	95%	12444	D	105%	13739	D	115%
	New Orleans to Florence	2	11,900	5151	B	43%	5687	B	48%	6279	B	53%
	Florence to Tucson	2	11,900	2040	A	17%	2252	A	19%	2487	A	21%
	Tucson to Jasper	2	11,900	1632	A	14%	1802	A	15%	1989	A	17%
Olive	Albany to Kenosha	2	11,900	13617	D	114%	15034	D	126%	16599	E	139%
	Kenosha to Houston	3	14,000	10098	C	72%	11149	C	80%	12309	C	88%
	Houston to Washington	3	14,000	5681	B	40%	7376	B	53%	8144	B	58%
	Washington to New Orleans	2	11,900	6630	B	56%	7320	B	62%	8082	B	68%
	New Orleans to Florence	2	11,900	6375	B	54%	7039	B	59%	7771	B	65%
	Florence to Tucson	2	11,900	6171	B	52%	6813	B	57%	7522	B	63%
	Tucson to Jasper	2	11,900	5049	A	42%	5575	A	47%	6155	B	52%
	Aspen	Dearborn to Omaha	2	11,900	13566	D	114%	14978	D	126%	16537	E
Omaha to Albany		5	25,200	20400	C	81%	22523	C	89%	24867	C	99%
Albany to Kenosha		5	25,200	24327	C	97%	26859	D	107%	29654	D	118%
Kenosha to Houston		5	25,200	24327	C	97%	26859	D	107%	29654	D	118%
Houston to Washington		5	25,200	20247	C	80%	22354	C	89%	24681	C	98%
Washington to New Orleans		5	25,200	15912	B	63%	17568	B	70%	19397	C	77%
New Orleans to Florence		5	25,200	9282	A	37%	10248	A	41%	11315	B	45%
Florence to Tucson		2	11,900	7701	B	65%	8503	C	71%	9387	C	79%
Tucson to Jasper		2	11,900	5559	B	47%	6138	B	52%	6776	B	57%
Elm Place		Omaha to Albany	4D	23,800	5304	A	22%	5856	A	25%	6466	A
	Albany to Kenosha	4	23,800	15810	B	66%	17456	C	73%	19272	C	81%
	Kenosha to Houston	5	25,200	24531	C	97%	27084	D	107%	29903	D	119%
	Houston to Washington	5	25,200	25551	D	101%	28210	D	112%	31147	D	124%
	Washington to New Orleans	5	25,200	21522	C	85%	23762	C	94%	26235	D	104%
	New Orleans to Florence	4	23,800	17136	C	72%	18920	C	79%	20889	C	88%
	Florence to Tucson	5	25,200	15963	B	63%	17524	B	70%	19459	C	77%
	Tucson to Jasper	3	14,000	10710	C	77%	11825	C	84%	13055	C	93%
	9th Street	Omaha to Albany	4	23,800	13260	B	55%	14640	B	62%	16154	B
Albany to Kenosha		5	25,200	18156	C	72%	20046	C	80%	22132	C	88%
Kenosha to Houston		2	11,900	12801	D	108%	14133	D	119%	15604	E	131%
Houston to Washington		2	11,900	8874	C	75%	9798	C	82%	10817	C	91%
Washington to New Orleans		2	11,900	6222	B	52%	6870	B	58%	7585	B	64%
New Orleans to Florence		2	11,900	3774	A	32%	4167	A	35%	4600	A	39%
Florence to Tucson		2	11,900	2142	A	18%	2365	A	20%	2611	A	22%
23rd Street		Rockford to Dearborn	2	11,900	6528	B	55%	7207	B	61%	7958	B
	Dearborn to Omaha	2	11,900	8925	C	75%	9854	C	83%	10680	C	91%
	Omaha to Albany	2	11,900	13566	D	114%	14978	D	126%	16537	E	139%
	Albany to Kenosha	5	25,200	16218	B	64%	17906	B	71%	19770	C	78%
	Kenosha to Houston	2	11,900	11373	C	96%	12557	D	106%	13864	D	117%
	Houston to Washington	2	11,900	8313	B	70%	9178	C	77%	10134	C	85%
	Washington to New Orleans	2	11,900	6171	B	52%	6813	B	57%	7522	B	63%
	New Orleans to Florence	5	25,200	3162	A	13%	3491	A	14%	3854	A	15%
	Florence to Tucson	2	11,900	4385	A	37%	4842	A	41%	5347	B	45%
	37th Street	Rockford to Dearborn	2	11,900	2907	A	24%	3210	A	27%	3544	A
Dearborn to Omaha		2	11,900	3672	A	31%	4054	A	34%	4476	A	38%
Albany to Kenosha		1	11,900	2805	A	24%	3097	A	26%	3419	A	29%
Kenosha to Houston		2	11,900	1071	A	9%	1182	A	10%	1306	A	11%
New Orleans to Florence		2	11,900	1050	A	9%	1159	A	10%	1280	A	11%
Evans		Omaha to Albany	2	11,900	408	A	3%	450	A	4%	497	A
	Kenosha to Houston	2	11,900	1581	A	13%	1746	A	15%	1927	A	16%
	Houston to Washington	2	11,900	510	A	4%	563	A	5%	622	A	5%
	Washington to New Orleans	2	11,900	405	A	3%	447	A	4%	494	A	4%
Oneta	Albany to Kenosha	2	11,900	1071	A	9%	1182	A	10%	1306	A	11%
	Kenosha to Houston	2	11,900	2907	A	24%	3210	A	27%	3544	A	30%
	Houston to Washington	2	11,900	2040	A	17%	2252	A	19%	2487	A	21%
M'dway	Albany to Kenosha	2	11,900	1428	A	12%	1577	A	13%	1741	A	15%
	Kenosha to Houston	2	11,900	2244	A	19%	2478	A	21%	2735	A	23%
Oak Grove	Albany to Kenosha	2	11,900	1428	A	12%	1577	A	13%	1741	A	15%
	Kenosha to Houston	2	11,900	816	A	7%	901	A	8%	955	A	8%

Intersection Levels-of-Service for 2013, 2018 and 2023

Intersection	Type of Traffic Control	AM Peak Hour					PM Peak Hour				
		Critical Approach		Intersection			Critical Approach		Intersection		
		Approach	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Approach	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
2013 Existing Conditions											
1. Minjo and New Orleans	Signal	NB	27.2	C	22.8	C	EB	22.0	C	19.9	B
2. Minjo and Florence	4-way Stop	WB	135.3	F	70.6	F	NB	178.3	F	135.7	F
3. Garnett and Albany	Signal	WB	23.9	C	21.2	C	WB	36.2	D	28.2	C
4. Garnett and Kenosha	Signal	WB	34.5	C	28.5	C	EB	29.5	C	27.3	C
5. Garnett and Houston	Signal	NB	26.3	C	21.0	C	SB	30.5	C	27.8	C
6. Garnett and Washington	Signal	WB	74.5	E	62.2	E	SB	47.9	D	36.5	D
7. Garnett and New Orleans	Signal	WB	14.5	B	12.9	B	EB	51.3	D	37.1	D
8. Garnett and Florence	4-way Stop	EB	14.4	B	12.3	B	SB	25.0	C	10.4	C
9. Garnett and Tucson	4-way Stop	EB	12.9	B	10.3	B	EB	10.6	B	10.3	B
10. Olive and Albany	Signal	NB	23.0	C	20.1	C	SB	28.7	C	24.2	C
11. Olive and Kenosha	Signal	SB	58.8	E	44.2	D	SB	68	E	53.8	D
12. Olive and Houston	Signal	WB	29.0	C	24.8	C	EB	47.1	D	40.2	D
13. Olive and Washington	Signal	SB	52.7	D	41.5	D	SB	71.7	E	52.9	D
14. Olive and New Orleans	Signal	WB	61.7	E	55.4	E	SB	78.4	E	65.8	E
15. Olive and Florence	Signal	EB	41.8	D	31.4	C	NB	26.3	C	21.7	C
16. Olive and Tucson	4-way Stop	NB	15.5	C	13.2	B	SB	22.5	C	17.1	C
17. Aspen and Dearborn	Signal	SB	24.3	C	22.7	C	SB	37.4	D	33.9	C
18. Aspen and Omaha	Signal	WB	53.1	E	47.5	D	EB	51.4	E	48.7	D
19. Aspen and Albany	Signal	EB	15.9	D	27.4	C	EB	51.8	D	46.3	D
20. Aspen and Kenosha	Signal	NB	54.1	D	46.5	D	EB	64.0	E	49.5	D
21. Aspen and Houston	Signal	EB	38.2	D	31.4	C	WB	43.4	D	34.7	C
22. Aspen and Washington	Signal	SB	36.5	D	27.7	C	SB	29.5	C	28.2	C
23. Aspen and New Orleans	Signal	SB	34.2	C	28.7	C	EB	37.0	E	41.6	D
24. Aspen and Florence	Signal	WB	39.4	D	33.8	C	EB	31.0	C	27.2	C
25. Aspen and Tucson	Signal	WB	18.6	B	14.9	B	EB	20.0	B	12.6	B
26. Aspen and Jasper	Signal	NB	30.1	C	24.4	C	WB	24.8	C	21.2	C
27. Elm Pl and Omaha	Signal	SB	18.7	B	14.1	B	SB	17.6	B	14.7	B
28. Elm Pl and Albany	Signal	EB	28.5	C	20.5	C	SB	23.4	C	22.0	C
29. Elm Pl and Kenosha	Signal	WB	24.7	C	21.0	C	WB	30.4	C	28.1	C
30. Elm Pl and Houston	Signal	EB	26.3	C	24.9	C	WB	42.5	D	33.2	C
31. Elm Pl and Washington	Signal	NB	34.8	C	30.1	C	WB	50.1	D	34.1	C
32. Elm Pl and New Orleans	Signal	WB	23.3	C	26.6	C	WB	35.5	D	30.8	C
33. Elm Pl and Florence	Signal	WB/NB	23.5	C	21.7	C	EB	25.1	C	20.1	C
34. Elm Pl and Tucson	Signal	WB	17.0	B	14.3	B	WB	18.4	B	12.3	B
35. Elm Pl and Jasper	3-way Stop	EB	12.9	B	10.7	B	EB	18.4	C	14.5	B
36. 8th and Omaha	Signal	WB	51.5	D	39.5	D	SB	38.9	D	30.3	C
37. 8th and Albany	Signal	WB	39.1	D	25.1	C	SB	31.7	C	26.1	C
38. 8th and Kenosha	Signal	EB	34.3	C	31.0	C	NB	41.9	D	35.6	D
39. 8th and Houston	Signal	EB	30.8	C	21.1	C	EB	33.4	C	26.3	C
40. 8th and Washington	Signal	EB	11.6	B	9.7	A	EB	16.0	B	12.5	B
41. 8th and New Orleans	Signal	WB	19.2	B	15.4	B	WB	24.4	C	19.5	B
42. 9th and Florence	3-way Stop	EB/NB	9.1	A	9.2	A	SB	9.3	A	9.1	A
43. 9th and Tucson	1-way Stop	SB	11.5	B	4.7	A	SB	10.8	B	4.2	A
44. 23rd and Rockford	4-way Stop	NB	28.3	D	19.5	C	SB	72.8	F	40.5	E
45. 23rd and Dearborn	4-way Stop	WB	84.7	F	39.6	E	EB	120.6	F	97.0	F
46. 23rd and Omaha	Signal	WB	25.5	C	22.1	C	EB	37.2	D	33.2	C
47. 23rd and Albany	Signal	WB	63.8	E	56.5	E	WB	40.3	D	32.8	C
48. 23rd and Kenosha	Signal	SB	44.8	D	36.8	D	SB	42.8	D	34.9	C
49. 23rd and Houston	Signal	WB	27.4	C	21.7	C	EB	27.6	C	21.5	C
50. 23rd and Washington	4-way Stop	NB	40.5	E	27.4	D	SB	34.6	D	24.5	C
51. 23rd and New Orleans	Signal	NB	19.1	B	14.9	B	WB	13.8	B	16.8	B
52. 23rd and Florence	1-way Stop	EB	9.0	A	0.4	A	EB	9.5	A	0.7	A
53. 23rd and Tucson	4-way Stop	NB	15.7	C	13.0	B	SB	14.9	B	12.8	B
54. 37th and Dearborn	4-way Stop	NB	10.7	B	10.2	B	NB	13.1	B	12.4	B
55. 37th and Omaha	1-way Stop	SB	13.5	B	8.6	A	SB	13.3	B	6.8	A
56. 37th and Albany	1-way Stop	NB	11.0	B	2.8	A	NB	11.2	B	5.0	A
57. 37th and Kenosha	Signal	EB	30.7	C	27.3	C	SB	33.5	C	29.0	C
58. 37th and Houston	3-way Stop	WB	14.6	C	14.4	B	NB	11.4	B	11.0	B
59. 37th and New Orleans	Signal	EB	32.3	C	19.4	B	SB	19.1	B	15.3	B
60. 37th and Florence	4-way Stop	EB	7.3	A	7.0	A	SB	7.4	A	7.1	A
61. Evans and Omaha	1-way Stop	NB	10.3	B	0.6	A	NB	11.9	B	3.9	A
62. Evans and Albany	4-way Stop	WB	8.2	A	7.9	A	EB	9.3	A	8.8	A
63. Evans and Kenosha	Signal	NB	17.8	D	19.9	B	NB	103.0	F	20.4	C
64. Evans and Houston	4-way Stop	WB	13.5	B	11.8	B	EB	12.8	B	11.2	B
65. Evans and Washington	4-way Stop	WB	8.4	A	8.1	A	EB	8.5	A	8.1	A
66. Onera and Kenosha	Signal	NB	28.3	C	21.3	C	SB	73.7	E	26.2	C
67. Onera and Houston	4-way Stop	WB	13.4	B	11.1	B	EB	10.1	B	9.3	A
68. Midway and Kenosha	2-way Stop	NB	55.6	F	15.3	C	NB	29.5	D	5.2	A
69. Midway and Houston	4-way Stop	NB	4.9	A	8.6	A	SB	8.7	A	8.5	A
70. Oak Grove and Kenosha	2-way Stop	NB	17.7	C	5.1	A	NB	15.6	C	3.8	A

Intersection	Type of Traffic Control	AM Peak Hour					PM Peak Hour				
		Critical Approach			Intersection		Critical Approach			Intersection	
		Approach	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Approach	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
2018 Projected Volumes Growth Rate 1.10											
1. Minjo and New Orleans	Signal	WB	31.5	C	26.7	C	WB	29.1	C	23.5	C
2. Minjo and Florence	4-way Stop	WB	241.6	F	124.2	F	NB	221.1	F	128.7	F
3. Garnett and Albany	Signal	WB	28.1	C	35.0	C	WB	43.2	D	35.9	D
4. Garnett and Kenosha	Signal	WB	41.7	D	34.1	C	EB	36.3	D	33.5	C
5. Garnett and Houston	Signal	NB	30.9	C	25.3	C	NB	47.3	D	37.7	D
6. Garnett and Washington	Signal	SB	120.4	F	84.7	F	SB	71.5	E	53.0	D
7. Garnett and New Orleans	Signal	WB	17.7	B	15.5	B	EB	88.0	F	61.1	E
8. Garnett and Florence	4-way Stop	EB	17.2	C	14.0	B	SB	43.0	E	31.3	D
9. Garnett and Tucson	4-way Stop	EB	11.9	B	11.0	B	EB	11.4	B	11.0	B
10. Olive and Albany	Signal	WB	25.5	C	22.5	C	WB	42.3	D	31.2	C
11. Olive and Kenosha	Signal	NB	71.1	E	59.4	E	EB	84.4	F	72.4	E
12. Olive and Houston	Signal	WB	36.6	D	29.8	C	EB	70.0	E	56.3	E
13. Olive and Washington	Signal	NB	72.0	E	57.0	E	SB	85.9	F	70.0	E
14. Olive and New Orleans	Signal	SB	85.1	F	69.1	E	EB	105.6	F	90.6	F
15. Olive and Florence	Signal	NB	32.3	C	29.1	C	NB	32.2	C	27.4	C
16. Olive and Tucson	4-way Stop	NB	19.3	C	15.6	C	SB	34.2	D	28.2	C
17. Aspen and Dearborn	Signal	SB	28.1	C	26.4	C	EB	51.3	D	45.4	D
18. Aspen and Omaha	Signal	WB	72.8	E	52.3	E	EB	79.3	E	62.8	E
19. Aspen and Albany	Signal	SB	32.3	C	29.1	C	WB	73.6	E	59.5	E
20. Aspen and Kenosha	Signal	EB	61.6	E	55.6	E	EB	83.0	F	64.6	E
21. Aspen and Houston	Signal	WB	48.7	D	38.1	D	EB	69.0	E	44.5	D
22. Aspen and Washington	Signal	SB	31.5	C	27.5	C	EB	34.1	C	31.1	C
23. Aspen and New Orleans	Signal	EB	32.4	C	31.1	C	EB	79.2	E	51.7	D
24. Aspen and Florence	Signal	WB	46.1	D	37.8	D	EB	42.7	D	26.0	C
25. Aspen and Tucson	Signal	WB	19.4	B	14.6	B	EB	21.5	C	13.2	B
26. Aspen and Jasper	Signal	NB	37.3	D	26.6	C	SB	25.2	C	23.4	C
27. Elm Pl and Omaha	Signal	SB	20.3	C	15.1	B	SB	18.4	B	16.0	B
28. Elm Pl and Albany	Signal	EB	37.1	C	22.1	C	SB	39.3	D	27.0	C
29. Elm Pl and Kenosha	Signal	NB	24.4	C	23.0	C	EB	39.1	D	33.0	C
30. Elm Pl and Houston	Signal	EB	29.5	C	27.1	C	EB	47.3	D	41.5	D
31. Elm Pl and Washington	Signal	WB	47.3	D	31.8	C	WB	61.0	E	41.2	D
32. Elm Pl and New Orleans	Signal	SB	34.7	C	29.4	C	WB	43.3	D	35.6	D
33. Elm Pl and Florence	Signal	WB	29.4	C	21.5	C	EB	24.4	C	20.8	C
34. Elm Pl and Tucson	Signal	WB	17.8	B	13.7	B	WB	16.2	B	14.0	B
35. Elm Pl and Jasper	3-way Stop	EB	14.2	B	11.7	B	EB	22.3	C	17.0	C
36. 9th and Omaha	Signal	WB	67.1	E	55.7	E	EB	59.4	D	39.1	D
37. 9th and Albany	Signal	SB	29.3	C	25.8	C	EB	29.1	C	27.7	C
38. 9th and Kenosha	Signal	EB/SB	37.3	D	35.6	D	NB	52.4	D	43.0	D
39. 9th and Houston	Signal	EB	38.1	D	27.3	C	EB	37.6	D	28.4	C
40. 9th and Washington	Signal	EB	13.7	B	11.2	B	EB	19.9	B	15.5	B
41. 9th and New Orleans	Signal	WB	20.2	C	16.4	B	WB	25.1	C	21.4	C
42. 9th and Florence	3-way Stop	EB/NB	9.3	A	9.6	A	SB	9.3	A	9.5	A
43. 9th and Tucson	1-way Stop	SB	12.3	B	4.9	A	SB	11.2	B	4.3	A
44. 23rd and Rockford	4-way Stop	NB	44.7	E	27.5	D	SB	132.5	F	67.3	F
45. 23rd and Dearborn	4-way Stop	WB	117.3	F	84.0	F	EB	175.6	F	141.4	F
46. 23rd and Omaha	Signal	SB	33.1	C	26.1	C	SB	56.1	E	46.0	D
47. 23rd and Albany	Signal	WB	85.3	F	68.1	E	EB	47.9	D	40.1	D
48. 23rd and Kenosha	Signal	WB	55.3	E	49.5	D	WB	43.8	D	38.2	D
49. 23rd and Houston	Signal	WB	32.8	C	25.8	C	EB	33.4	C	25.9	C
50. 23rd and Washington	4-way Stop	NB	73.8	F	64.5	E	SB	65.1	F	40.2	E
51. 23rd and New Orleans	Signal	WB	19.2	B	17.0	B	WB	22.2	C	18.7	B
52. 23rd and Florence	1-way Stop	EB	9.1	A	0.4	A	EB	9.7	A	0.7	A
53. 23rd and Tucson	4-way Stop	NB	19.4	C	14.1	C	SB	18.2	C	14.8	B
54. 37th and Dearborn	4-way Stop	NB	11.6	B	10.9	B	NB	15.2	C	14.1	B
55. 37th and Omaha	1-way Stop	SB	15.0	B	9.4	A	SB	14.7	B	7.3	A
56. 37th and Albany	1-way Stop	NB	11.4	B	2.9	A	NB	11.7	B	5.3	A
57. 37th and Kenosha	Signal	EB	33.9	C	30.9	C	SB	34.7	C	30.6	C
58. 37th and Houston	3-way Stop	WB	20.5	C	17.3	C	NB	12.8	B	12.1	B
59. 37th and New Orleans	Signal	SB	33.6	C	17.6	B	SB	22.2	C	16.9	B
60. 37th and Florence	4-way Stop	EB	7.3	A	7.0	A	SB	7.4	A	7.2	A
61. Evans and Omaha	1-way Stop	NB	10.5	B	0.7	A	NB	12.6	B	4.1	A
62. Evans and Albany	4-way Stop	WB	8.4	A	8.0	A	EB	9.7	A	9.1	A
63. Evans and Kenosha	Signal	NB	38.0	D	22.1	C	NB	41.7	D	17.1	B
64. Evans and Houston	4-way Stop	WB	15.7	C	13.2	B	EB	14.5	B	12.4	B
65. Evans and Washington	4-way Stop	WB	8.7	A	8.3	A	EB	8.7	A	8.3	A
66. Oneta and Kenosha	Signal	SB	42.3	D	23.2	C	NB	26.0	C	18.5	B
67. Oneta and Houston	4-way Stop	WB	15.5	C	12.3	B	EB	11.0	B	9.7	A
68. Midway and Kenosha	2-way Stop	NB	112.5	F	29.1	D	NB	40.9	E	7.1	A
69. Midway and Houston	4-way Stop	NB	3.2	A	3.8	A	SB	9.0	A	5.3	A
70. Oak Grove and Kenosha	2-way Stop	NB	20.4	C	5.5	A	NB	17.2	C	4.1	A

Intersection	Type of Traffic Control	AM Peak Hour					PM Peak Hour				
		Critical Approach			Intersection		Critical Approach			Intersection	
		Approach	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Approach	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
2023 Projected Volumes Growth Rate 1.22											
1 Mingo and New Orleans	Signal	EB	52.7	D	33.6	C	WB	39.3	D	30.0	C
2 Mingo and Florence	4-way Stop	WB	352.9	F	189.3	F	NB	296.9	F	235.2	F
3 Garnett and Albany	Signal	WB	35.6	D	31.6	C	WB	66.4	E	53.3	D
4 Garnett and Kenosha	Signal	WB	51.6	D	43.2	D	EB	51.9	D	45.7	D
5 Garnett and Houston	Signal	WB	46.2	D	35.1	D	EB	64.3	E	52.9	D
6 Garnett and Washington	Signal	WB	158.7	F	118.9	F	WB	93.9	F	73.6	E
7 Garnett and New Orleans	Signal	NB	25.2	C	30.7	C	SB	135.5	F	100.1	F
8 Garnett and Florence	4-way Stop	EB	23.2	C	17.5	C	SB	95.3	F	59.1	F
9 Garnett and Tucson	4-way Stop	EB	13.5	B	12.2	B	EB	12.7	B	12.0	B
10 Olive and Albany	Signal	WB	33.5	C	28.7	C	WB	69.4	E	56.8	D
11 Olive and Kenosha	Signal	SB	102.5	F	81.5	F	EB	126.2	F	102.1	F
12 Olive and Houston	Signal	NB	51.2	D	39.5	D	EB	103.4	F	75.9	E
13 Olive and Washington	Signal	NB	87.8	F	74.5	E	EB	113.8	F	95.0	F
14 Olive and New Orleans	Signal	WB	117.9	F	93.9	F	EB	146.7	F	119.8	F
15 Olive and Florence	Signal	WB	43.3	D	31.9	C	EB	26.5	D	31.6	C
16 Olive and Tucson	4-way Stop	NB	27.6	D	20.2	C	SB	69.5	F	40.3	E
17 Aspen and Dearborn	Signal	SB	33.8	C	30.8	C	EB	70.4	E	60.4	E
18 Aspen and Omaha	Signal	WB	94.7	F	82.3	F	EB	112.5	F	85.3	F
19 Aspen and Albany	Signal	EB	39.8	D	33.5	C	EB	89.9	F	76.1	E
20 Aspen and Kenosha	Signal	WB	34.8	F	72.1	E	EB	113.4	F	89.2	F
21 Aspen and Houston	Signal	WB	70.9	E	51.3	D	EB	101.5	F	61.8	E
22 Aspen and Washington	Signal	EB	34.9	C	30.7	C	EB	41.5	D	36.4	D
23 Aspen and New Orleans	Signal	NB	38.2	D	36.5	D	EB	83.1	F	61.5	E
24 Aspen and Florence	Signal	WB	54.3	D	46.1	D	WB	43.9	D	28.4	C
25 Aspen and Tucson	Signal	WB	20.7	C	15.5	B	EB	21.5	C	13.6	B
26 Aspen and Jasper	Signal	NB	49.1	D	30.4	C	EB	33.5	C	28.0	C
27 Elm Pl and Omaha	Signal	SB	21.6	C	18.4	B	SB	20.4	C	18.4	B
28 Elm Pl and Albany	Signal	EB	37.1	D	24.3	C	WB	27.8	C	25.4	C
29 Elm Pl and Kenosha	Signal	WB	32.3	C	25.3	C	EB	51.5	D	42.3	D
30 Elm Pl and Houston	Signal	EB	37.0	D	31.7	C	EB	59.2	E	53.2	D
31 Elm Pl and Washington	Signal	WB	82.1	E	39.5	D	WB	80.4	F	54.2	D
32 Elm Pl and New Orleans	Signal	NB	34.3	C	33.1	C	WB	51.1	D	43.3	D
33 Elm Pl and Florence	Signal	WB	37.4	D	25.7	C	EB	24.9	C	21.9	C
34 Elm Pl and Tucson	Signal	NB	21.7	C	19.0	B	WB	16.8	B	14.2	B
35 Elm Pl and Jasper	3-way Stop	EB	16.3	C	13.2	B	EB	29.9	D	21.5	C
36 8th and Omaha	Signal	EB	110.2	F	86.9	F	EB	75.1	E	53.7	D
37 9th and Albany	Signal	SB	40.8	D	31.3	C	WB	35.3	D	32.1	C
38 9th and Kenosha	Signal	EB	46.7	D	43.0	D	NB	70.7	E	57.9	E
39 9th and Houston	Signal	SB	32.8	C	27.0	C	EB	38.2	D	32.7	C
40 9th and Washington	Signal	EB	18.4	B	13.6	B	EB	30.5	C	21.8	C
41 9th and New Orleans	Signal	WB	22.0	C	18.3	B	SB	31.5	C	26.7	C
42 9th and Florence	3-way Stop	EB	10.4	B	10.2	B	SB	10.5	B	10.1	B
43 9th and Tucson	1-way Stop	SB	13.4	B	5.2	A	SB	11.7	B	4.5	A
44 23rd and Rockford	4-way Stop	NB	81.0	F	43.6	E	SB	233.5	F	113.3	F
45 23rd and Dearborn	4-way Stop	WB	218.5	F	111.1	F	EB	247.0	F	201.1	F
46 23rd and Omaha	Signal	WB	37.5	D	33.6	C	EB	82.7	F	63.2	F
47 23rd and Albany	Signal	WB	112.7	F	88.9	F	SB	68.5	E	52.5	D
48 23rd and Kenosha	Signal	WB	84.9	F	73.3	E	WB	56.8	E	47.6	D
49 23rd and Houston	Signal	WB	99.0	D	30.9	C	EB	47.9	D	36.3	D
50 23rd and Washington	4-way Stop	NB	136.0	F	76.2	F	SB	123.9	F	69.5	F
51 23rd and New Orleans	Signal	WB	25.2	C	20.2	C	SB	24.2	C	21.3	C
52 23rd and Florence	1-way Stop	EB	9.2	A	0.4	A	EB	9.9	A	0.7	A
53 23rd and Tucson	4-way Stop	NB	27.6	D	19.8	C	SB	25.7	D	19.1	C
54 37th and Dearborn	4-way Stop	NB	12.9	B	12.0	B	NB	19.2	C	17.3	C
55 37th and Omaha	1-way Stop	SB	17.5	C	10.8	B	SB	17.0	C	8.2	A
56 37th and Albany	1-way Stop	NB	13.9	B	3.0	A	NB	12.5	B	5.5	A
57 37th and Kenosha	Signal	SB	40.6	D	36.6	D	EB	42.3	D	35.4	D
58 37th and Houston	3-way Stop	WB	28.7	D	23.3	C	NB	15.3	C	14.1	B
59 37th and New Orleans	Signal	SB	33.6	C	10.7	B	SB	20.7	C	18.6	B
60 37th and Florence	4-way Stop	EB	7.3	A	7.0	A	SB	7.5	A	7.2	A
61 Evans and Omaha	1-way Stop	NB	10.8	B	0.7	A	NB	13.5	B	4.4	A
62 Evans and Albany	4-way Stop	WB	8.5	A	8.2	A	EB	10.2	B	9.5	A
63 Evans and Kenosha	Signal	NB	42.2	D	22.2	C	NB	34.5	C	14.0	B
64 Evans and Houston	4-way Stop	WB	19.8	C	15.9	C	EB	17.7	C	14.3	B
65 Evans and Washington	4-way Stop	WB	9.0	A	8.6	A	EB	9.0	A	8.5	A
66 Omaha and Kenosha	Signal	SB	55.1	E	26.6	C	NB	32.7	C	21.0	C
67 Omaha and Houston	3-way Stop	WB	19.1	C	14.2	B	EB	12.3	B	10.3	B
68 Midway and Kenosha	2-way Stop	NB	249.5	F	60.8	F	NB	70.9	F	11.3	B
69 Midway and Houston	4-way Stop	NB	9.6	A	9.2	A	SB	9.4	A	9.1	A
70 Oak Grove and Kenosha	2-way Stop	NB	24.9	C	6.3	A	NB	19.7	C	4.4	A



INTEROFFICE MEMO

To: Honorable Mayor and City Councilors
From: Thomas M. Moton, Jr., City Manager
Date: June 6, 2014
Re: Notice of Sanitary Sewer Overflow

On June 2, 2014, the Broken Arrow/Tulsa area had a significant rain event. As a result of the rain event, the Haikey Creek Wastewater Lift Station had a sanitary sewer overflow (SSO) that is **estimated to be about 200,000 gallons**. As you are aware, the City of Broken Arrow and City of Tulsa jointly own the HCWWTP through the **Regional Metropolitan Utility Authority (RMUA)**, and both entities share responsibilities for **operation and regulatory compliance**. The lift station receives flow from Broken Arrow and the City of Tulsa and pumps the wastewater to HCWWTP.

Extreme increases in flow through wastewater collection system during significant rain events are associated with inflow and infiltration into the sewer collection system. Whenever a SSO event occurs, the City of Broken/City of Tulsa are required to report the unauthorized discharge event to the Oklahoma Department of Environmental Quality (DEQ). Recurring SSOs may often result in a DEQ notice of violation (NOV). Such SSO events highlight the urgent need for the capital investment in the wastewater collection system. In addition to triggering possible NOVs, SSOs require the wastewater treatment plants (both Lynn Lane and Haikey Creek) to **expend more resources to treat stormwater that enters the sewer collection system and flows into the treatment plants**. Attached is a letter from Matt Vaughn, City of Tulsa Water Pollution Control Manager, advising DEQ of the SSO event that led to the 0.20 MG of raw sewage to bypass a major lift station.

If you have any questions about this memo, contact me or Utilities Director Anthony Daniel.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "T. Moton".

Thomas M. Moton, Jr.

nes

CC: Anthony Daniel, Utilities Director

Attachment



**Water Pollution Control
WATER AND SEWER DEPARTMENT**

May 5, 2014

Carl Parrott, Engineering Manager
Oklahoma Department of Environmental Quality
P. O. Box 1677
Oklahoma City, OK 73101-1677

CERTIFIED MAIL:

Re: Haikey Creek Wastewater Treatment Plant - Permit No. OK 0034363 - Facility S20434

Dear Mr. Parrott:

Pursuant to Part III, B.6.a., Page 3, Noncompliance Reports, we are submitting non-compliance on May 2, 2014 as follows: Sanitary sewer overflow occurred immediately upstream of the Haikey Creek Lift Station located at 11691 S. Garnett Ave. This event followed heavy rainfall that measured 2 to 3 inches across the service area.

The collection system overflowed from a manhole located northeast of the lift station on June 2, 2014 from approximately 8:00 am until 10:23 am. All four pumps were in operation, however, one pump initially became air locked and was quickly resolved by plant staff. It is estimated that approximately 0.20 MG of raw sewage bypassed at this location. The bypass did reach a receiving stream as it flowed south overland to Haikey Creek. No visual impact on the receiving stream was observed during or after the bypass. A sample of the bypass was collected and yielded the following results:

pH 6.08 su

TSS 550 mg/L

BOD, not yet available

The RMUA plans to expand the capacity of the lift station as previously communicated to ODEQ. Design of a new force main is scheduled to start next month and will increase the capacity of the lift station approximately 10 mgd.

These events were reported to the ODEQ Hotline on June 2, 2014 and the site was cleaned that same afternoon. Should there be any questions regarding this report, please contact Andrew Lankford, Haikey Creek Plant Superintendent, at 918-369-5961 or me at 918-596-9845.

Sincerely,

Matt Vaughan, P.E.
Water Pollution Control Manager

xc: Patrick Rosch, ODEQ Municipal Wastewater Section Engineering Manager
Charles Garcia, ODEQ Environmental Program Specialist
Amber Roberson, DEQ Tulsa County
Clayton Edwards, Tulsa Director of Water and Sewer
Anthony Daniel, Broken Arrow Director of Utilities
Paul Zachary, Tulsa Director of Engineering Services
Roy Foster, Tulsa Quality Assurance Manager
Andy Lankford, Haikey Creek WWTP Superintendent



INTEROFFICE MEMO

To: Honorable Mayor and City Councilors
From: Thomas M. Moton, Jr., City Manager
Date: June 6, 2014
Re: Update No. 2 on Verdigris River Water Rights

City Attorney Beth Anne Wilkening, Utilities Director Anthony Daniel and I met with Jim Melton and Ken Williams of Hall Estill, on Tuesday, May 21 about the City's two water right permits on the Verdigris River. As I reported to you on May 16, 2014, the Oklahoma Water Resources Board (OWRB) has initiated a process to reduce those two water rights permits. Further, I reported that Messrs. Melton and Williams would be retained to represent the City of Broken Arrow in an effort to halt the process that is already underway and to restore the City's water right permits to the existing levels and pursue increases in those permits. Attached is a table prepared by the Utilities Director Anthony Daniel that converts the two water rights permits from acre feet per year to the more recognizable unit of million gallons per day. According to OWRB's website, water is permitted in acre feet and one acre foot equals the amount that would cover one acre of land with water one foot deep, or 325,851 gallons.

As you can see from the table the combined two permits authorize the City to take 27,227 acre feet per year or 24.31 average million gallons per day. However, OWRB's recommended reductions to 10,464 acre feet per year or 9.34 average million gallons per day is more than a 50% reduction.

Verdigris River Water Right Permit Background:

The City of Broken Arrow was officially notified by the OWRB on March 22, 2004, of the agency's intent to reduce the two permitted Water Rights. The two letters received had informed staff that Broken Arrow has not used the full amount authorized for the past seven year period. Oklahoma law requires the water rights holder to use the full amount of water authorized at least once in any continuous seven year period or as set out in a schedule of use. If the authorized amount is not put to beneficial use, the water right is reduced to the largest annual amount used in the seven year period. Based on OWRB records, Broken Arrow water rights is subject to reduction.

Before any action was to be taken, OWRB gave Broken Arrow an opportunity to agree or disagree with the voluntary reduction and respond by returning the enclosed statement. Today, City Staff is unable to determine or ascertain if a written response was provided to OWRB agreeing/disagreeing to the reductions. Copies those two OWRB 2004 letters are attached.

Update No. 2 on Water Rights Memo Page Two
June 6, 2014

A hearing date was set on April 23, 2004 for Broken Arrow representatives to appear and present justification as to why the reductions should not occur and to be ready to explain the future use of the water. Again, City Staff cannot determine if Broken Arrow Staff or representatives appeared before the OWRB in 2004 to object to the reductions. Failure to appear at the hearing automatically reduced the two water rights.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "T. Moton", is written over the typed name.

Thomas M. Moton, Jr.

nes

CC:

Attachments

City of Broken Arrow
Verdigris River Water Rights

OWRB Permit No.	Current Authorized Amount acft/yr, MG/yr, MGD	Proposed OWRB Reduced Amount acft/yr, MG/yr, MGD
19630131 (1964)	15,185 acft/yr -4,948.05 MG/yr -13.56 AvMGD	7,092 acft/yr -2,310.94 MG/yr -6.33 AvMGD
19780063 (1979)	12,042 acft/yr -3,923.90 MG/yr -10.75 AvMGD	3,372 acft/yr -1,098 MG/yr -3.01 AvMGD
Total Available water	27,227 acft/yr -8,872.4 MG/yr [24.31 AvMGD]	10,464 acft/yr -3,409.7 MG/yr [9.34 AvMGD]

Conversion factors

1 acre ft x 325,851 gals = MG (million gallons)

1 acre ft ÷ 1121 = MGD (million gallons per day)

Verdigris Water Treatment Plant is rated at 20 MGD (average)

add average daily =
add average peak demand =



STATE OF OKLAHOMA
WATER RESOURCES BOARD

March 22, 2004

David L. Wooden
City of Broken Arrow
P. O. Box 610
Broken Arrow, Oklahoma 74013

Re: Proposed Reduction of Stream Water Right No. 1963-0131
City of Broken Arrow, Wagoner County

Dear Mr. Wooden:

A review of our records indicate that City of Broken Arrow is the holder of a stream water right for public water supply and industrial use in the amount of 15,185 acre-feet per year, and the full amount authorized by this water right has not been used for a seven-year period or longer.

Oklahoma law requires the water right holder to use the full amount of water authorized by the water right at least once in any continuous seven-year period or as set out in a schedule of use. If the authorized amount is not put to beneficial use, the water right is reduced to the largest annual amount used in that seven-year period. (This law was enacted to promote efficient use of Oklahoma's stream water; when one water right holder does not place the amount authorized to beneficial use, the unused amount may be made available to another water user.) Based on our records, it therefore appears that your water right is subject to reduction.

Before we take any action however, we want to give you the opportunity to consider the enclosed water use summary report and voluntary reduction statement relating to your stream water right. If you agree with the proposed reduction, please sign and return the statement in the enclosed self-addressed envelope within 30 days of receipt of this letter.

If you do not agree with the Board's records, you or an authorized representative may appear at the scheduled hearing to show cause why your water right should not be reduced. Cause may be shown by substantial competent evidence that the records are incorrect and need to be corrected, or that the records are correct but the failure to use the total amount of water authorized was caused by circumstances beyond our control, and that you were ready and willing to use the water. Such acceptable reasons or causes may include damage to irrigation fields, pumps, or other equipment caused by flooding or other events after reasonable diligence to repair; service on active duty in the armed forces; placement of irrigated land in a conservation reserve or soil bank program; or wrongful acts of others which prevented water usable for the authorized purposes from reaching the point of diversion. If the reason for not

Page Two
March 22, 2004

placing the stream water to use is determined to be an acceptable cause under Oklahoma law, the water right will not be reduced.

In the event you do not voluntarily reduce your water right, you will have an opportunity to be heard during the hearing scheduled for:

DATE: Wednesday, April 28, 2004
TIME: 1:00 p.m.
PLACE: Oklahoma Water Resources Board, Tulsa Field Office
State Agencies Building, Room 2
440 South Houston
Tulsa, Oklahoma 74127

This hearing shall be conducted in accordance with Oklahoma Stream Water Law, 82 O.S., Sections 105.16 – 105.18; the Oklahoma Administrative Procedures Act, 74 O.S., Sections 309 – 322; and the Oklahoma Administrative Code, Chapter 785:4 and 785:20.

If you do not appear at the hearing, your water right will be reduced.

If you have any questions, please contact Bob Sandbo in the Planning and Management Divisions at (405) 530-8800. Thank you for assisting the Board in its efforts to maintain accurate water use records and in managing the stream water resources of the state of Oklahoma.

Sincerely,



Michael E. Mathis, Chief
Planning and Management Division

/cjj

Enclosure

Oklahoma Water Resources Board
 Certification of Stream Water Rights
 Water Use Summary

03/19/2004

NAME: Broken Arrow, City of
 ADDRESS: PO Box 610
 Broken Arrow, OK 74013

COUNTY : Wagoner
 PERMIT NUMBER : 19630131 R
 STREAM SYSTEM : 2-15-1
 DATE FILED : 05/27/1963
 DATE ISSUED : 08/11/1964
 LAST BOARD ACT: 03/08/1988
 ACTIVATE NONUSE CHECK:

LEGAL DESCRIPTIONS

W2 35 19N 16E1 Div.

PURPOSE: Public Water Supply (15185.0)
 Industrial (.0)

AMOUNT AUTHORIZED: 15,185.0 ACRE-FEET

CURRENT SCHEDULE		
YEAR	AMOUNT	%
1990	10,629.0	70
1995	12,907.0	85
2000	15,185.0	100

PROPOSED SCHEDULE		
YEAR	AMOUNT	%

YEAR	TOTAL ACRE-FEET USED
1967	2,210.0
1968	2,241.0
1969	2,241.0
1970	1,293.0
1971	1,416.0
1972	1,546.0
1973	1,895.0
1974	2,507.0
1975	2,537.0
1976	3,024.0
1977	3,758.0
1978	5,063.0
1979	5,928.0
1980	6,800.0
1981	7,092.0
1982	3,999.0
1983	1,048.0
1984	1,625.0
1985	1,219.0
1986	1,166.0
1987	973.0
1988	1,195.0
1989	1,120.0
1990	93.0
1991	945.0
1992	115.0
1993	115.0
1994	NO USE CARD
1995	REPORTED NO USE

1996	NO USE CARD
1997	NO USE CARD@
1998	NO USE CARD
1999	229.0
2000	NO USE CARD
2001	77.0
2002	NO USE CARD
2003	17.0\$

\$ Reported Use and a File Maintenance Fee was not received.

@ A File Maintenance fee was received.

NOTICE: If you agree with the statement below, please sign, and return this sheet to the board within thirty (30) days.

VOLUNTARY SURRENDER STATEMENT (DO NOT DETACH)

I hereby authorize reduction of Stream Water Right NO. 19630131 from 15,185.0 acre-feet to 7,092.0 acre-feet annually, and the revision of the schedule of use based on the percentages in the previous schedule of use.

(SIGNATURE OF WATER RIGHT HOLDER)

(DATE)

STATE OF OKLAHOMA
WATER RESOURCES BOARD
3800 N. CLASSEN BLVD.
OKLAHOMA CITY, OK 73118

Oklahoma Water Resources Board
Planning & Management Division
3800 North Classen Blvd.
Oklahoma City, OK 73118



STATE OF OKLAHOMA
WATER RESOURCES BOARD

March 22, 2004

David L. Wooden
City of Broken Arrow
P. O. Box 610
Broken Arrow, Oklahoma 74013

Re: Proposed Reduction of Stream Water Right No. 1978-0063
City of Broken Arrow, Wagoner County

Dear Mr. Wooden:

A review of our records indicate that City of Broken Arrow is the holder of a stream water right for public water supply/industrial use in the amount of 12,042 acre-feet per year, and the full amount authorized by this water right has not been used for a seven-year period or longer.

Oklahoma law requires the water right holder to use the full amount of water authorized by the water right at least once in any continuous seven-year period or as set out in a schedule of use. If the authorized amount is not put to beneficial use, the water right is reduced to the largest annual amount used in that seven-year period. (This law was enacted to promote efficient use of Oklahoma's stream water; when one water right holder does not place the amount authorized to beneficial use, the unused amount may be made available to another water user.) Based on our records, it therefore appears that your water right is subject to reduction.

Before we take any action however, we want to give you the opportunity to consider the enclosed water use summary report and voluntary reduction statement relating to your stream water right. If you agree with the proposed reduction, please sign and return the statement in the enclosed self-addressed envelope within 30 days of receipt of this letter.

If you do not agree with the Board's records, you or an authorized representative may appear at the scheduled hearing to show cause why your water right should not be reduced. Cause may be shown by substantial competent evidence that the records are incorrect and need to be corrected, or that the records are correct but the failure to use the total amount of water authorized was caused by circumstances beyond our control, and that you were ready and willing to use the water. Such acceptable reasons or causes may include damage to irrigation fields, pumps, or other equipment caused by flooding or other events after reasonable diligence to repair; service on active duty in the armed forces; placement of irrigated land in a conservation reserve or soil bank program; or wrongful acts of others which prevented water usable for the authorized purposes from reaching the point of diversion. If the reason for not

Page Two
March 22, 2004

placing the stream water to use is determined to be an acceptable cause under Oklahoma law, the water right will not be reduced.

In the event you do not voluntarily reduce your water right, you will have an opportunity to be heard during the hearing scheduled for:

DATE: **Wednesday, April 28, 2004**
TIME: **1:00 p.m.**
PLACE: **Oklahoma Water Resources Board, Tulsa Field Office**
State Agencies Building, Room 2
440 South Houston
Tulsa, Oklahoma 74127

This hearing shall be conducted in accordance with Oklahoma Stream Water Law, 82 O.S., Sections 105.16 – 105.18; the Oklahoma Administrative Procedures Act, 74 O.S., Sections 309 – 322; and the Oklahoma Administrative Code, Chapter 785:4 and 785:20.

If you do not appear at the hearing, your water right will be reduced.

If you have any questions, please contact Bob Sandbo in the Planning and Management Divisions at (405) 530-8800. Thank you for assisting the Board in its efforts to maintain accurate water use records and in managing the stream water resources of the state of Oklahoma.

Sincerely,



Michael E. Mathis, Chief
Planning and Management Division

/cjj

Enclosure

Oklahoma Water Resources Board
 Certification of Stream Water Rights
 Water Use Summary

03/19/2004

NAME: Broken Arrow, City of
 ADDRESS: PO Box 610
 Broken Arrow, OK 74013

COUNTY : Wagoner
 PERMIT NUMBER : 19780063 R
 STREAM SYSTEM : 2-15-1
 DATE FILED : 06/05/1978
 DATE ISSUED : 01/09/1979
 LAST BOARD ACT: 03/08/1988
 ACTIVATE NONUSE CHECK:

LEGAL DESCRIPTIONS

NE SW SW 35 19N 16E1 Div. PURPOSE: Public Water Supply (12042.0)

AMOUNT AUTHORIZED: 12,042.0 ACRE-FEET

CURRENT SCHEDULE			PROPOSED SCHEDULE		
YEAR	AMOUNT	%	YEAR	AMOUNT	%
1990	2,408.0	20			
2000	3,613.0	30			
2010	6,021.0	50	2010	3,372.0	50
2020	9,032.0	75	2020	5,058.0	75
2030	12,042.0	100	2030	6,744.0	100

YEAR	TOTAL ACRE-FEET USED
1980	REPORTED NO USE
1981	REPORTED NO USE
1982	REPORTED NO USE
1983	REPORTED NO USE
1984	REPORTED NO USE
1985	REPORTED NO USE
1986	REPORTED NO USE
1987	REPORTED NO USE
1988	REPORTED NO USE
1989	REPORTED NO USE
1990	REPORTED NO USE
1991	REPORTED NO USE
1992	REPORTED NO USE
1993	REPORTED NO USE
1994	NO USE CARD
1995	REPORTED NO USE
1996	NO USE CARD
1997	NO USE CARD@
1998	NO USE CARD
1999	REPORTED NO USE
2000	NO USE CARD
2001	REPORTED NO USE
2002	NO USE CARD
2003	REPORTED NO USE#

Reported No Use and a File Maintenance Fee was not received.

@ A File Maintenance fee was received.

NOTICE: If you agree with the statement below, please sign, and return this sheet to the board within thirty (30) days.

VOLUNTARY SURRENDER STATEMENT (DO NOT DETACH)

I hereby authorize reduction of Stream Water Right NO. 19780063 from 12,042.0 acre-feet to 6,744.0 acre-feet annually, and the revision of the schedule of use based on the percentages in the previous schedule of use.

(SIGNATURE OF WATER RIGHT HOLDER)

(DATE)

STATE OF OKLAHOMA
WATER RESOURCES BOARD
3800 N. CLASSEN BLVD.
OKLAHOMA CITY, OK 73118

Oklahoma Water Resources Board
Planning & Management Division
3800 North Classen Blvd.
Oklahoma City, OK 73118

OKLAHOMA WATER RESOURCES BOARD

**VOLUNTARY REDUCTION STATEMENT
For Water Right No. 1978-0063**

I, DAVID L. WOODEN, certify that I am the holder of or, an authorized representative for, the water right listed above.

CHECK ONE:

I agree that the Oklahoma Water Resources Board may reduce the water right listed above and change its records to show that the amount authorized by this water right has been reduced to 6,744 acre-feet per year.

I do not agree that the Oklahoma Water Resources Board should reduce the water right listed above due to the following:

Date signed: 04-19-04

David L. Wooden
Name

PUBLIC WORKS DIRECTOR
Title (if applicable)

**PLEASE RETURN THIS STATEMENT TO THE OKLAHOMA WATER RESOURCES BOARD
WITHIN 30 DAYS OF RECEIPT.**

Board mailing address:

Oklahoma Water Resources Board
Planning and Management Division
3800 North Classen Boulevard
Oklahoma City, Oklahoma 73118

OKLAHOMA WATER RESOURCES BOARD

**VOLUNTARY REDUCTION STATEMENT
For Water Right No. 1963-0131**

I, DAVID L. WOODEN, certify that I am the holder of or, an authorized representative for, the water right listed above.

CHECK ONE:

I agree that the Oklahoma Water Resources Board may reduce the water right listed above and change its records to show that the amount authorized by this water right has been reduced to 7,092 acre-feet per year.

I do not agree that the Oklahoma Water Resources Board should reduce the water right listed above due to the following:

Date signed: 04-19-04

David L. Wooden
Name

PUBLIC WORKS DIRECTOR
Title (if applicable)

**PLEASE RETURN THIS STATEMENT TO THE OKLAHOMA WATER RESOURCES BOARD
WITHIN 30 DAYS OF RECEIPT.**

Board mailing address:

Oklahoma Water Resources Board
Planning and Management Division
3800 North Classen Boulevard
Oklahoma City, Oklahoma 73118

OKLAHOMA WATER RESOURCES BOARD

VOLUNTARY REDUCTION STATEMENT For Water Right No. 1978-0063

I, DAVID L. DODDEN, certify that I am the holder of or, an authorized representative for, the water right listed above.

CHECK ONE:

I agree that the Oklahoma Water Resources Board may reduce the water right listed above and change its records to show that the amount authorized by this water right has been reduced to 6,744 acre-feet per year.

I do not agree that the Oklahoma Water Resources Board should reduce the water right listed above due to the following:

THE CITY OF BROKEN ARROW CURRENTLY PURCHASES WATER FROM THE OKLAHOMA ORDINANCE WORKS AUTHORITY IN PRYOR. THIS CONTRACT ENDS IN 2013 AND THE CITY PROPOSES TO CONSTRUCT A PLANT TO USE THIS WATER RIGHT FOR THE CITY WATER SUPPLY

Date signed: 04-19-04

David L. Dodden
Name

PUBLIC WORKS DIRECTOR
Title (if applicable)

PLEASE RETURN THIS STATEMENT TO THE OKLAHOMA WATER RESOURCES BOARD WITHIN 30 DAYS OF RECEIPT.

Board mailing address:

Oklahoma Water Resources Board
Planning and Management Division
3800 North Classen Boulevard
Oklahoma City, Oklahoma 73118

OKLAHOMA WATER RESOURCES BOARD

VOLUNTARY REDUCTION STATEMENT For Water Right No. 1963-0131

I, DAVID L. WOODEN, certify that I am the holder of or, an authorized representative for, the water right listed above.

CHECK ONE:

I agree that the Oklahoma Water Resources Board may reduce the water right listed above and change its records to show that the amount authorized by this water right has been reduced to 7,092 acre-feet per year.

I do not agree that the Oklahoma Water Resources Board should reduce the water right listed above due to the following:

THE CITY OF BROKEN ARROW CURRENTLY PURCHASES WATER FROM OKLAHOMA ORDINANCE WORKS AUTHORITY IN PRIORITY. THIS CONTRACT ENDS IN 2013 AND THE CITY PROPOSES TO CONSTRUCT A PLANT TO USE THIS WATER RIGHT FOR THE CITY WATER SUPPLY.

Date signed: 04-19-04

David L. Wooden
Name

PUBLIC WORKS DIRECTOR
Title (if applicable)

PLEASE RETURN THIS STATEMENT TO THE OKLAHOMA WATER RESOURCES BOARD WITHIN 30 DAYS OF RECEIPT.

Board mailing address:

Oklahoma Water Resources Board
Planning and Management Division
3800 North Classen Boulevard
Oklahoma City, Oklahoma 73118

DRAFT
NOTICE AND AGENDA
REGULAR MEETING
REGIONAL METROPOLITAN UTILITY AUTHORITY
WEDNESDAY, JUNE 11, 2014
8:00 AM CONFERENCE ROOM 10 SOUTH
ONE TECHNOLOGY CENTER
175 E. 2ND STREET
TULSA, OKLAHOMA 74103

1. **ROLL CALL**

*2. **MINUTES OF MEETING** - Minutes of the regular meeting of March 12, 2014 presented for correction or approval.

*3. **REPORTS**

a. **Haikey Creek Quarterly Report**

Matt Vaughan, City of Tulsa Water & Sewer Department

b. **Quarterly Pretreatment Report**

Lauren Wilson, City of Broken Arrow Pretreatment Coordinator

c. **Comparative Financial Statements for the Nine Months Ended March 31, 2014 and 2013** Cheryl Black, City of Tulsa Finance Department

d. **HAIKEY CREEK WASTEWATER TREATMENT EVALUATION** – CH2M HILL

*4. **MISCELLANEOUS ACTION ITEMS**

a. **Discuss and approve the budget for FY15 -Capital Projects Fund (6951 - \$13,156,000 - Alan Rowland**

The proposed budget appropriations are \$13,156,000. The funds will be used with existing appropriations for: (1) plant equipment rehab & replacement; (2) design of right of way for Haikey Creek lift station improvements phase 3; (3) construction of flow equalization basin expansion & plant effluent water pump station; (4) construction of security & safety improvements to the disinfection facilities; and (5) design of the sludge management center roof. **RECOMMEND APPROVAL** (Tracking #UB12198)

b. **Discuss and approve the budget for FY15 - Operating Fund (3551) - \$2,593,000 – Alan Rowland**

The proposed budget is for \$2,593,000, a 10.4% increase over the FY14. The last page of this document compares FY14 and FY15 detailed budgets. Highlights are: Onsite Personnel 3% increase, Onsite Materials a 15% increase, WPC Instrumentation & SCADA Support a 31% increase, lab Charges a 17% increase, Electric Use a -25% decrease, Equipment Management (EMD) Expenses for Haikey Creek vehicles a -65% decrease, EMD Expenses for Tanking and Land management Expenses a 156% increase, Haikey Creek Routine Capital a 153%

increase and Field Support Services Routine Capital a 26% increase. The budget has been approved by the RMUA Operations Committee. **RECOMMEND APPROVAL** (Tracking #UB12199)

c. Ordinance – RMUA Funds Transfer - RMUA – Capital Projects Funds - Fund No. 6951, BC46951JM1, \$824,000.00 Alan Rowland

This transfer is to correct a scrivener’s error and maintain accounting uniformity with OWRB Loan Project – Fund 6054- 0040522 – 132007. Transfer will place funds in correctly coded project. **RECOMMEND APPROVAL** (Tracking #UB12205)

e. ES 2010-08 - Haikey Creek Flow Equalization Basin Improvements - CH2M Hill, Inc., \$825,675.74 – Approve – Paul Zachary – Submitted for your consideration is Amendment No. 1 for Professional Services between Regional Metropolitan Utility Authority and CH2M Hill, Inc. Amendment No. 1 consists of a new Flow Equalization Basin (FEB) and related facilities at the Haikey Creek Wastewater Treatment Plant. The original Agreement in the amount of \$194,407.00, Amendment No. 1 in the amount of \$825,675.74, this increases the total Agreement amount to \$1,020,082.74. **RECOMMEND APPROVAL.** (Tracking No. UB12206)

f. ES 2009-10 - Amendment 5 - Haikey Creek Lift Station Improvements - Tetra Tech, Inc., \$799,900.00 – Approve - Paul Zachary – Submitted for your consideration is Amendment No. 5 for Professional Services between the Regional Metropolitan Utility Authority and Tetra Tech, Inc., in the amount of \$799,900.00. This Amendment consists of additional design for a new force main from the existing Haikey Creek Lift Station to the Haikey Creek Wastewater Treatment Plant. The original Agreement in the amount of \$100,000.00, Amendment No. 1 \$84,900.00, Amendment No. 2 \$120,000.00, Amendment No. 3 \$222,600.00, Amendment No. 4 \$123,000.00, and Amendment No. 5 \$799,900.00 this increase the total Agreement amount to \$1,450,400.00. **RECOMMEND APPROVAL.** (Tracking No. UB12212)

g. Industrial Pretreatment Program – Broken Arrow Municipal Authority (BAMA) - Approve Clayton Edwards – The Regional Metropolitan Utility Authority (RMUA) owns and is responsible for the Haikey Creek Wastewater Treatment Plant. Broken Arrow discharges to the Haikey Creek Wastewater Treatment Plant. RMUA must develop and implement an industrial pretreatment program pursuant to conditions contained in the Haikey Creek OPDES discharge permit # OK0034363 issued by the State of Oklahoma Department of Environmental Quality. Broken Arrow desires to continue to discharge wastewater which includes industrial waste to the Haikey Creek Wastewater Treatment plant and recognizes its industrial waste control obligations Federal Law 40 CFR Part 403, General Pretreatment Regulations for Existing and New Sources of Pollution. **RECOMMEND APPROVAL.** (Tracking #UB12051)

5. Change of Election of Officers for discussion, review and/or take action – Jim Unruh

6 NEW BUSINESS

7 **DATE OF NEXT MEETING**

The next RMUA meeting is scheduled for Wednesday, September 10, 2014, at 8:00 am Conference Room 10 South, One Technology Center, 175 East 2nd Street, Tulsa, Oklahoma.

8 **APPROVAL OF AGENDA**

9 **ADJOURN**

*Denotes backup documents attached.

2. GENERAL CORRESPONDENCE / NOTIFICATION

INTEROFFICE MEMO

To: Thomas Moton Jr., City Manager

**From: Norm Stephens, Assistant to the City Manager / Economic Development
Coordinator**

Date: June 6, 2014

Re: Downtown Advisory Board Agenda

Mr. Moton, attached is the June 10, 2014 DAB Agenda.

**BROKEN ARROW DOWNTOWN ADVISORY BOARD
AGENDA**

**COUNCIL CHAMBERS
220 SOUTH FIRST STREET
BROKEN ARROW, OKLAHOMA 74012
June 10, 2014**

4:00 PM

- 1. Call to Order**
- 2. Roll Call**
- 3. Consideration of Consent Agenda**
 - A. Meeting Minutes from the meeting of May 13, 2014
- 4. Consideration of Items Removed from the Consent Agenda**
- 5. Citizen's Opportunity to Speak (No action can be taken on items not on tonight's agenda)**
- 6. General Board Business**
 - A. Presentation and discussion of special events in the Rose District
 - B. Presentation and possible discussion concerning parking signs and Wayfinding signs for the Rose District
 - C. Presentation and discussion of information concerning marketing efforts for the 6.2 acres of real property on the north side of Tiger Hill, located at the southwest corner of Kenosha (71st Street) and Lynn Lane (9th Street)
 - D. Consideration and discussion of a proposed ordinance amending Chapter 23, Article VI, Bicycles; Section 23-210 Riding on sidewalks generally, specifically prohibiting riding skateboards and bicycles on sidewalks in the Rose District; and Section 23-211 Sign prohibiting riding on sidewalks and roadways of the Broken Arrow Code; repealing all ordinances to the contrary; and declaring an emergency
 - E. Presentation of the Downtown and Flight Safety TIF Funding Summary
- 7. Remarks and Inquiries by Board Members**
- 8. Adjournment**

NOTICE: *If you wish to speak at this evening's meeting, please fill out a "Request to Speak" form. The forms are available from the City Clerk's table or at the entrance door. Please turn in your form prior to the start of the meeting. Topics are limited to items on the currently posted agenda, or relevant business.*

All cell phones and pagers must be turned OFF or operated SILENTLY during meetings.

Exhibits, petitions, pictures, etc., shall be received and deposited in case files to be kept at the Broken Arrow City Hall. If you are a person with a disability and need some accommodation in order to participate in this meeting, please contact the City Clerk at 918-259-2400 Ext. 5418 to make arrangements.

POSTED this _____ day of _____, _____, at _____ a.m./p.m.

City Clerk

3. SPECIAL EVENTS / ACTIVITIES

NOTICE OF

SPECIAL MEETING

BROKEN ARROW CITY COUNCIL

**COUNCIL CHAMBERS
220 SOUTH FIRST STREET
BROKEN ARROW, OKLAHOMA 74012**

June 9, 2014

6:00 PM

The Broken Arrow City Council will hold a Special Meeting on Monday, June 9, 2014 at 6:00 PM. The Agenda will be posted on Friday, June 6, 2014.

POSTED this 4th day of June, 2014, at 9:02 (a.m.) ~~(p.m.)~~

Mary Boyce
City Clerk



UPCOMING EVENTS

Tuesdays in the Park

Tuesdays in June beginning at 7:00 pm - live music at Central Park.

Thursday Night Theatre

Thursdays in June beginning at 9:00 pm – movies at Central Park

Farmers Market

Saturdays from 8:00am - 12:00pm

Thursday Night Live

Thursdays at the farmers market – live music and entertainment from 7:00pm - 8:30pm

Free Dental Day

June 7- My Dentist located at 3451 W Kenosha

Wine, Eats and Easels

Friday, June 13 – Farmers Market and History Museum

Blue Star Moms Poker Run

Saturday, June 14

Military History Museum

Saturday, June 14 flag day celebration

Broken Arrow Community Playhouse





Contact: Krista Flasch
Director of Communications
City of Broken Arrow
Phone: (918) 259-2400, ext. 5309
Mobile: (918) 409-7771
Fax: (918) 259-8226

Fireworks Permits Available now through July 3
Must have permit to discharge fireworks within Broken Arrow City limits

Broken Arrow, Okla. (6/4/2014) – Residents of Broken Arrow who would like to legally discharge fireworks in the City limits may do so by purchasing a fireworks permit for \$20.

Permits are available for purchase through July 3.

To better serve the citizens of Broken Arrow, the City has made these permits available online. Applicants can access the system by visiting www.brokenarrowok.gov/fireworks.

Permits may be applied for and obtained online 24 hours a day, 7 days a week.

In addition, permits may be purchased in person at Broken Arrow City Hall, One Stop Center (north end of City Hall) 220 S. First Street. Permits will not be issued to persons under 18 years of age.

Permits are valid during the hours of 3-11 p.m. July 3-4 only. There are also other rules listed on the printed permit.

This is the ninth year the city is selling the permits, which will make it legal to discharge Class 1.4g fireworks within City limits. Sale of the permits was started in 2005 to fund more police officers on the streets over the holiday period.

It is unlawful to discharge fireworks within City limits without the permit. Certain restrictions apply.

Fireworks must be discharged on a noncombustible surface of sufficient size to contain the entire ground portion of the display, not closer than 25 feet to any permanent structure.

For questions regarding the application, residents can call the One Stop Center at 918-259-8333.

###

~ NATIONAL FLAG DAY ~

Saturday June 14, 2014

at the

MILITARY HISTORY MUSEUM

112 North Main Street
Broken Arrow, OK 74012

PROGRAM

10:00 AM

Invocation – Rev. Romney Nesbitt
Posting The Colors by BA Composite Squadron CAP
National Anthem – Donna Richey
Pledge of Allegiance and American Creed – Col. R. W. Powell
Musical Medley – Donna Richey
Welcome – BG (Ret) Tom Mancino
Flag Day Proclamation from City of Broken Arrow

Introductions:

Miss Oklahoma 2014
Dignitaries

10:30 AM

Introduction of Flag Sponsors

U.S. Flag/POW-MIA	1SGT Gary Johnson
Army	BG (Ret) Ed Wheeler
Navy	Henry Primeaux
Marine	Michael Flick
Air Force	Lynn Hannah
Army National Guard	BG Glen Moore
Air National Guard	CMSGT (Ret) Don Hughes
45 th Infantry Division	MAJ Mike Gonzales
Medal of Honor	Woody Woods

11:00 AM

Colors Retired Colors by BA Composite Squadron CAP
Benediction Rev. Romney Nesbitt

11:30 AM

Museum Open for a free tour of the building.

12:00 PM

BBQ, Slaw, Beans, Potato Salad, water and Ice Cream \$5.00 donation
Food Donated by: Rib Crib, Reasor's, Blue Bell Creamery,
Food served by: Volunteers