

System Name **Edwardsville Water Authority**

PWSID Number **5222001**

IDEM Field Rep. **Anna Readle**

Title **Operator of Records**

Certification Number **DSL - DS190206**

**WT3 - WT220164**

FLUORIDE AVERAGES	
LOW	0.45
HIGH	1.24
AVERAGE	0.80

For the Month of **Jun-24**

Signed

*Dwayne D. Clark*

*I certify under penalty of law by this signature that this document was prepared by me or Under my direction and the informaton submitted is to the best of my knowledge and belief, true, accurate, and complete. I am also aware that there are significant penalties for submitting false information*

Side A

**PHYSICAL AND CHEMICAL DATA**

Side A

Date	Turbidity		Alkalinity		pH		Hardness		Iron		Manganese		Phosphate	Fluoride	Ammonia
	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Finished	Finished	Raw
1					0	7.5			0.00	0.00	0.000	0.022	1.44	0.71	0.000
2					0	7.6			0.00	0.00	0.000	0.008	1.48	0.56	0.000
3					7.5	7.6			0.04	0.01	0.053	0.018	1.41	0.90	0.050
4					7.5	7.5			0.03	0.01	0.054	0.015	1.34	0.60	0.050
5					7.5	7.6			0.02	0.02	0.051	0.016	1.41	0.87	0.030
6					7.5	7.6			0.02	0.01	0.058	0.014	1.64	0.93	0.060
7					7.5	7.6			0.02	0.00	0.041	0.001	1.67	0.95	0.070
8					0	7.6			0.00	0.02	0.000	0.016	1.66	0.55	0.000
9					0	7.5			0.00	0.01	0.000	0.025	1.67	0.45	0.000
10					7.5	7.6			0.03	0.01	0.050	0.007	1.78	0.84	0.080
11					7.5	7.7			0.02	0.00	0.049	0.010	1.74	1.00	0.040
12					7.6	7.6			0.11	0.01	0.079	0.011	1.65	0.67	0.060
13					7.6	7.6			0.02	0.00	0.041	0.012	1.63	0.77	0.030
14					7.5	7.8			0.00	0.00	0.042	0.013	1.69	1.24	0.060
15					0	7.7			0.00	0.00	0.000	0.010	1.60	1.02	0.000
16					0	7.7			0.00	0.04	0.000	0.017	1.59	0.85	0.000
17					7.5	7.6			0.01	0.04	0.063	0.011	1.56	0.76	0.000
18					7.5	7.6			0.02	0.01	0.056	0.021	1.49	0.72	0.000
19					7.5	7.6			0.00	0.01	0.064	0.009	1.48	0.81	0.060
20					7.5	7.7			0.01	0.01	0.064	0.012	1.45	0.83	0.080
21					7.4	7.7			0.04	0.01	0.055	0.003	1.42	0.81	0.100
22					0	7.8			0.00	0.00	0.000	0.006	1.40	0.75	0.000
23					0	7.7			0.00	0.02	0.000	0.007	1.48	0.85	0.000
24					7.4	7.7			0.02	0.00	0.055	0.006	1.55	0.98	0.160
25					7.5	7.6			0.02	0.01	0.056	0.011	1.50	0.65	0.100
26					0	7.6			0.00	0.02	0.000	0.016	1.41	0.58	0.000
27					7.6	7.6			0.01	0.01	0.048	0.003	1.34	0.65	0.110
28					7.5	7.6			0.01	0.00	0.056	0.011	1.37	0.60	0.110
29					0	7.7			0.00	0.00	0.000	0.009	1.37	1.00	0.000
30					0	7.7			0.00	0.00	0.000	0.014	1.46	0.97	0.000

Sheet	Turbidity		Alkalinity		pH		Hardness		Iron		Manganese		Phosphate	Fluoride	AMMONIA
	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Finished	Finished	Raw
30 day															
Total's	0	0	0	0	142.6	229	0	0	0.45	0.28	1.035	0.354	45.68	23.87	1.250

Side B

Edwardsville Water Authority

Jun-24

#IN5222001

Side B

Date	Water Treated	Chemicals Used -- Pounds								Filters		Plant Tap		D. S.		REMARKS
		1000 Gal.	Salt	Alum	Polymer Gal.	Pre Chlorine	Plant Chlorine	Total Chlorine	Fluoride Lbs	Phosphate Lbs	Filter Run (hours)	Gallons per wash x 1000	Free	Total	Free	
1	1,540				15	11	26	32.4	25	16.85	0	0.88	1.46	1.05	1.16	
2	1,290				0	10	10	22.6	18	13.54	40	1.06	1.22	1.08	1.17	
3	1,407				9	10	19	22.0	20	15.25	0	1.41	1.50	1.13	1.21	Chemicals Added
4	1,726				19	13	32	36.6	29	18.32	38	1.30	1.51	0.00	0.12	
5	1,351				16	9	25	18.0	27	14.73	0	1.21	1.32	1.15	1.28	Chlorine Lbs 964
6	1,284				14	10	24	34.6	25	13.58	0	1.20	1.30	1.16	1.26	
7	1,609				17	15	32	33.4	28	17.61	0	1.04	1.13	1.14	1.18	Fluoride Lbs. 887.0
8	1,282				15	10	25	23.6	20	12.95	0	1.04	1.18	1.14	1.21	
9	1,353				16	8	24	31.2	25	15.83	0	1.28	1.39	1.13	1.19	Phosphate Lbs 840
10	1,594				19	11	30	28.0	35	17.15	37	1.33	1.46	1.07	1.13	
11	1,914				21	15	36	38.6	32	20.50	0	1.13	1.22	1.08	1.14	Polymer Lbs 0.0
12	1,467				18	10	28	20.6	30	15.54	39	1.18	1.35	1.07	1.14	
13	1,981				22	11	33	47.2	35	21.65	40	1.21	1.32	1.13	1.23	Polymer Gal. 0
14	1,593				10	14	24	23.4	30	16.31	0	1.19	1.34	1.12	1.21	
15	1,910				24	14	38	35.2	30	21.03	0	1.21	1.27	1.12	1.24	
16	1,933				26	12	38	37.6	35	21.22	0	1.26	1.44	1.07	1.16	
17	1,923				15	14	29	32.2	30	19.18	40	1.09	1.32	1.14	1.22	
18	1,621				18	11	29	24.0	28	15.85	37	1.03	1.13	1.14	1.21	
19	1,984				31	12	43	31.4	32	20.02	0	1.07	1.21	1.06	1.13	
20	1,735				24	13	37	22.4	30	16.82	41	1.06	1.16	1.00	1.06	
21	2,008				27	15	42	32.6	30	20.55	0	1.20	1.32	1.05	1.13	Monthly Water Treatment
22	1,960				28	13	41	39.8	30	19.26	0	1.12	1.21	1.10	1.18	Total Gallons 50,350
23	1,773				23	14	37	27.2	29	17.99	41	1.15	1.31	1.11	1.18	Max. Day 2,008
24	1,802				25	14	39	27.4	28	19.22	37	1.13	1.30	1.04	1.09	Min. Day 1,282
25	1,364				24	10	34	29.4	20	13.76	0	1.13	1.21	1.01	1.11	Avg. Daily 1,678
26	1,685				28	13	41	24.8	24	16.40	77	1.23	1.40	1.08	1.16	
27	1,625				26	9	35	21.8	30	16.14	0	1.28	1.47	1.08	1.16	
28	1,989				30	11	41	26.0	30	18.85	0	1.20	1.33	1.17	1.27	
29	1,750				30	10	40	37.4	25	18.14	0	1.10	1.17	0.93	1.05	
30	1,897				25	7	32	25.6	30	19.02	42	1.08	1.13	1.06	1.16	

Sheet	Water Treated	Chemicals Used -- Pounds								Filters		Plant Tap		D. S.		
31 Day	1000 Gal.	Salt	Alum	Polymer Gal.	Pre Chlorine	Plant Chlorine	Total Chlorine	Fluoride	Phosphate	Filter Run (hours)	Gallons per wash x 1000	Free	Total	Free	Total	
Total's	50350	0	0	0	615	349	964	887.0	840	523.26	509	1.16	1.30	1.05	1.14	

Water Treated	
Highest Day	2,008
Lowest Day	1,282
Average	1,678