

WATER TREATMENT PLANT

Virgil Water Treatment Plant - Entry Point 01

Report for: Mishawaka Utilities Water Department

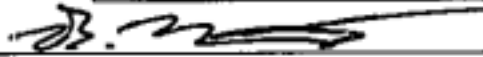
for the month of

July-24

IDEM Field Rep.

Kali Young

Signed



Title

Manager

"I certify, under penalty of law, by this signature that this document was prepared by me or under my direction and the information 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."

Public Water Supply I.D. No.

5271009

Certification Number

947182

PHYSICAL AND CHEMICAL DATA*

Date	Turbidity		Alkalinity		pH		Hardness		Iron		Manganese		Phosphate	Fluoride
	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Raw	Finished	Finished	Finished
1					7.43	7.47	346	310	0.15	<0.01		0.023	1.20	0.71
2					7.47	7.51	378	312	0.19	<0.01		0.025	1.18	0.70
3					7.62	7.72	330	314	0.12	0.02		0.013	1.36	0.57
4					7.40	7.39	280	310	0.15	<0.01		0.008	1.04	0.72
5					7.60	7.72	388	318	0.19	0.05		0.021	1.20	0.82
6														
7														
8					7.80	7.68	300	320	0.18	0.05		0.024	1.32	0.70
9					7.35	7.33	290	300	0.20	0.03		0.022	1.40	0.61
10					7.40	7.26	298	306	0.16	<0.01		0.011	1.40	0.84
11					7.72	7.67	284	294	0.07	<0.01		0.021	1.32	0.68
12					7.39	7.45	368	300	0.15	<0.01		0.022	1.42	0.68
13														
14														
15					7.36	7.27	342	300	0.22	0.06		0.023	1.20	0.75
16					7.29	7.50	332	298	0.04	0.03		0.022	1.38	0.81
17					7.35	7.44	332	260	0.18	0.02		0.010	1.30	0.69
18					7.41	7.35	350	302	0.38	0.02		0.021	1.36	0.72
19					7.26	7.43	300	306	0.15	0.03		0.023	1.20	0.68
20														
21														
22					7.23	7.30	310	248	0.14	0.03		0.023	1.12	0.74
23					7.35	7.27	310	298	0.18	0.03		0.023	1.26	0.79
24					7.17	7.36	312	302	0.20	0.03		0.029	1.38	0.80
25					7.60	7.70	312	320	0.17	0.01		0.021	1.36	0.72
26					7.58	7.66	274	298	0.07	0.05		0.029	1.32	0.70
27														
28														
29					7.64	7.72	346	316	0.14	<0.01		0.025	1.24	0.64
30					7.25	7.38	336	300	0.18	0.02		0.029	1.22	0.70
31					7.21	7.36	312	302	0.16	<0.01		0.020	1.22	0.81

* All Parameters are to be expressed in mg/L except pH and Turbidity

Date	Water Treated	Chemicals Used -- Pounds								Filters		Chlorine Residual				Remarks
	1000 Gallons	Salt	Alum	Lime	Soda Ash	Carbon	Chlorine	Fluoride	Phosphate	Filter Run (hours)	Gallons per wash x 1000	Plant Tap		D.S.		PWS ID# 5271009 Entry Point 01
												Free	Total	Free	Total	
1	5,118						1362	126	270	0.80	487	1.04	1.05	0.73	0.85	July-24
2	3,343						890	81	177	1.60	973	1.10	1.24	0.20	0.27	
3	4,773						1270	95	252	0.80	487	0.83	0.95	0.70	0.77	
4	2,994						797	75	158	0.80	487	0.72	0.82	1.00	1.14	
5	3,952						1052	113	209	0.80	487	0.96	1.25	0.55	0.83	
6	2,655						707	74	140	0.40	243	0.91	1.01	0.71	0.85	
7	4,353						1159	121	230	0.80	487	0.92	1.06	0.60	0.65	
8	4,507						1200	110	238	0.80	487	1.01	1.12	0.86	1.04	
9	2,523						672	53	133	0.80	487	0.99	1.05	0.49	0.59	
10	1,997						531	58	105	0.80	487	0.95	1.05	0.20	0.24	
11	2,914						776	69	154	1.60	973	0.97	1.00	0.71	0.81	
12	4,255						1133	101	225	1.60	973	0.82	1.06	0.59	0.69	
13	3,567						949	112	188	0.80	487	0.92	1.06	0.39	0.43	
14	2,039						543	50	108	0.40	243	0.81	1.10	0.63	0.71	
15	3,935						1047	103	208	3.20	1947	0.96	1.01	0.70	0.77	
16	2,123						565	60	112	0.40	243	0.77	0.88	0.31	0.40	
17	3,396						904	81	179	0.40	243	0.77	1.00	0.63	0.70	
18	3,025						805	76	160	0.40	243	1.03	1.07	0.99	1.12	
19	4,713						1254	111	249	0.40	243	0.88	1.11	0.65	0.81	
20	3,521						937	98	186	0.40	243	1.17	1.26	0.78	0.90	
21	3,536						941	111	187	0.40	243	1.05	1.18	0.91	1.04	Monthly Water Treatment
22	4,563						1214	117	241	2.00	1217	0.84	1.02	0.44	0.48	Total Gallons 115,226,107
23	4,464						1188	123	236	1.20	730	0.87	0.99	0.50	0.65	Max. Day 5,118,284
24	3,693						983	103	195	1.20	730	0.99	1.09	0.87	0.98	Min. Day 1,996,537
25	3,806						1013	95	201	0.80	487	0.95	1.00	0.40	0.46	Avg. Daily 3,716,971
26	5,081						1352	124	268	0.80	487	0.93	1.34	0.60	0.68	
27	3,720						990	90	196	0.80	487	0.98	1.08	0.70	0.76	
28	4,088						1088	99	216	0.80	487	0.88	1.04	0.83	0.91	Department of Environmental Management Drinking Water Branch 66-34 100 N. Senate Avenue P.O. Box 6015 Indianapolis, IN 46206-6015
29	4,018						1070	89	212	0.80	487	0.84	1.01	0.63	0.70	
30	4,061						1081	99	215	1.20	730	0.89	0.95	0.81	0.89	
31	4,492						1196	126	237	1.20	730	0.86	1.01	0.84	0.94	