

MONTHLY REPORT OF OPERATION WATER TREATMENT PLANT

Division Water Treatment Plant - Entry Point 05

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					7.74	7.80	292	294	1.42	0.05		0.026	1.24	0.61
2					7.77	7.83	294	290	1.32	<0.01		0.023	1.14	0.52
3					7.69	7.73	292	288	1.31	0.06		0.020	1.24	0.63
4					7.30	7.04	280	290	1.33	0.06		0.006	1.10	0.66
5					7.68	7.75	316	288	0.71	0.07		0.032	1.32	0.75
6														
7														
8					7.69	7.77	292	296	1.32	0.09		0.023	1.24	0.64
9					7.84	7.74	290	270	1.35	0.05		0.021	1.30	0.52
10					7.81	7.95	304	282	1.35	0.03		0.016	1.50	0.69
11					7.13	7.00	286	292	1.31	0.05		0.018	1.60	0.69
12					7.82	7.87	280	298	1.21	0.08		0.023	1.16	0.53
13														
14														
15					7.56	7.56	224	286	1.20	0.05		0.031	1.32	0.77
16					7.80	7.78	250	288	1.30	0.06		0.022	1.20	0.64
17					7.72	7.75	224	220	1.11	0.10		0.020	1.28	0.72
18					7.44	7.60	264	278	1.40	0.07		0.034	1.22	0.63
19					7.55	7.49	260	286	1.33	0.03		0.025	1.18	0.62
20														
21														
22					7.46	7.44	238	224	1.07	0.14		0.038	1.12	0.59
23					7.45	7.50	240	290	1.15	0.15		0.033	1.18	0.68
24					7.51	7.49	242	284	1.26	0.07		0.024	1.22	0.65
25					7.70	7.82	236	240	1.26	0.06		0.033	1.24	0.71
26					7.71	7.79	288	286	1.21	0.11		0.027	1.28	0.62
27														
28														
29					7.73	7.82	288	308	1.14	0.02		0.028	1.08	0.63
30					7.48	7.41	286	284	1.32	0.06		0.021	1.04	0.55
31					7.46	7.43	262	294	1.13	0.08		0.026	1.22	0.68

* 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	Sodium Hypochlorite	Fluoride	Phosphato	Filter Run (hours)	Gallons per wash x 1000	Plant Tan		D.S.		PWS ID# 5271009 Entry Point 05	
												Free	Total	Free	Total		
1	4,944						1316	105	261	0.50	304.200	1.11	1.26	0.73	0.85	July-24	
2	5,747						1530	104	304	0.75	456.300	1.09	1.16	0.20	0.27		
3	5,069						1349	111	268	0.75	456.300	1.01	1.08	0.70	0.77		
4	5,954						1585	137	314	0.75	456.300	0.98	1.09	1.00	1.14		
5	5,402						1438	141	285	0.75	456.300	1.09	1.23	0.55	0.83		
6	5,304						1412	166	280	0.75	456.300	1.01	1.11	0.71	0.85		
7	5,814						1547	121	307	0.75	456.300	1.03	1.14	0.60	0.65		
8	4,916						1309	109	260	0.75	456.300	1.14	1.18	0.86	1.04		
9	5,565						1481	101	294	0.50	304.200	1.09	1.16	0.49	0.59		
10	5,575						1484	134	294	0.75	456.300	1.27	1.45	0.20	0.24		
11	5,272						1403	126	278	0.75	456.300	1.11	1.13	0.71	0.81		
12	6,259						1666	115	331	0.75	456.300	1.11	1.18	0.59	0.69		
13	4,991						1328	87	264	0.75	456.300	0.96	1.09	0.39	0.43		
14	5,117						1362	89	270	0.75	456.300	0.97	1.10	0.63	0.71		
15	5,484						1460	147	290	0.50	304.200	1.01	1.12	0.70	0.77		
16	5,655						1505	126	299	0.75	456.300	1.21	1.30	0.31	0.40		
17	5,415						1441	135	286	0.75	456.300	1.07	1.18	0.63	0.70		
18	5,508						1466	121	291	0.50	304.200	1.05	1.17	0.99	1.12		
19	5,684						1513	122	300	0.75	456.300	1.05	1.20	0.65	0.81		
20	8,515						2266	237	450	0.75	456.300	0.99	1.11	0.78	0.90		
21	5,223						1390	127	276	0.75	456.300	0.97	1.05	0.91	1.04	Monthly Water Treatment	
22	5,481						1459	112	290	0.75	456.300	0.96	1.11	0.44	0.48	Total Gallons	172,165,146
23	5,443						1449	129	287	0.75	456.300	0.97	1.07	0.50	0.65	Max. Day	8,515,137
24	6,084						1619	137	321	0.50	304.200	0.98	1.13	0.87	0.98	Min. Day	4,916,293
25	5,117						1362	126	270	0.75	456.300	1.00	1.15	0.40	0.46	Avg. Daily	5,553,714
26	5,412						1440	117	286	0.75	456.300	1.07	1.16	0.60	0.68		
27	5,346						1423	111	282	0.75	456.300	0.91	1.04	0.70	0.76		
28	5,042						1342	105	266	0.75	456.300	1.01	1.16	0.83	0.91	Mail To:	
29	5,684						1513	124	300	0.75	456.300	1.01	1.16	0.63	0.70	Department of Environmental Management Drinking Water Branch 66-34	
30	5,590						1488	107	295	0.50	304.200	0.96	1.08	0.81	0.89	100 N. Senate Avenue P.O. Box 6015	
31	5,553						1478	131	293	1.00	608.400	1.06	1.22	0.84	0.94	Indianapolis, IN 46206-6015	