

Peru Utilities - Peru Water Treatment Plant

PWSID Number 522016

Monthly Operations

June

2024



* On June 6 the chlorine scale malfunctioned. The pumps were on. We used an average of the previous and next day as an estimation.

Date	Water	Chemicals Applied								Filters		Raw			Finished								Date						
		Chlorine		Fluoride		KMnO4		Ortho-Phosphate		Filter Run (Hours)	Gallons Per Wash x 1000	pH	Mn (mg/l)	Fe (mg/L)	pH	Mn (mg/l)	Fe (mg/L)	Cl2 Residual			Fluoride (mg/l)	Phosphate							
		Amount Treated (MGD)	Amount Used (lb)	Calc. (ppm)	Amount Used (lb)	Calc. (ppm)	Amount Used (lb)	Calc. (ppm)	Amount Used (lb)									Calc. (ppm)	Free	Total		Distribution		Plant	Dist.				
1	1.277	26	2.44	30.0	0.65	4.0	0.38	38.0	1.19	48	69.0	7.61	0.251	0.00	7.60	0.057	0.00	0.99	1.13	0.84	0.95	0.76	1.10	1.10		1			
2	1.274	25	2.35	28.0	0.61	4.0	0.38	50.0	1.57	48	57.0	7.43	0.126	0.03	7.50	0.048	0.01	0.89	1.13	0.84	0.97	0.74	1.00	1.00		2			
3	1.266	23	2.18	28.0	0.61	3.0	0.28	40.0	1.26	48	63.0	7.29	0.118	0.01	7.40	0.052	0.01	0.95	1.10	0.81	0.97	0.73	1.08	1.08		3			
4	1.340	24	2.15	33.0	0.68	3.0	0.27	47.0	1.40	48	61.0	7.53	0.247	0.01	7.47	0.045	0.00	0.88	0.97	0.63	0.76	0.80	1.08	1.08		4			
5	1.356	24	2.12	33.0	0.67	2.0	0.18	40.0	1.18	48	76.0	7.48	0.140	0.01	7.52	0.049	0.00	0.90	1.07	0.55	0.80	0.83	1.06	1.06		5			
6	1.407	24	2.05	34.0	0.67	2.0	0.17	53.0	1.51	48	60.0	7.56	0.231	0.00	7.41	0.052	0.00	0.92	1.10	0.64	0.74	0.83	1.14	1.14		6			
7	1.386	24	2.08	33.0	0.66	3.0	0.26	43.0	1.24	48	62.0	7.65	0.129	0.01	7.55	0.043	0.00	0.89	1.10	0.65	0.83	0.86	1.13	1.13		7			
8	1.320	26	2.36	31.0	0.65	3.0	0.27	46.0	1.39	48	64.0	7.64	0.128	0.01	7.51	0.055	0.00	0.99	1.23	0.76	0.86	0.79	1.07	1.07		8			
9	1.327	26	2.35	31.0	0.64	2.0	0.18	36.0	1.09	48	61.0	7.59	0.162	0.03	7.60	0.074	0.01	1.01	1.19	0.71	0.83	0.84	1.12	1.12		9			
10	1.330	26	2.35	28.0	0.58	3.0	0.27	45.0	1.35	48	64.0	7.63	0.143	0.01	7.63	0.049	0.02	1.00	1.20	0.65	0.90	0.82	1.10	1.10		10			
11	1.515	29	2.30	31.0	0.56	3.0	0.24	49.0	1.29	48	70.0	7.62	0.141	0.04	7.63	0.054	0.01	0.88	1.07	0.65	0.80	0.78	1.04	1.04		11			
12	1.435	25	2.09	29.0	0.56	4.0	0.33	42.0	1.17	48	74.0	7.70	0.134	0.00	7.66	0.051	0.00	0.84	1.09	0.66	0.90	0.56	1.13	1.13		12			
13	1.540	27	2.10	28.0	0.50	3.0	0.23	41.0	1.06	48	67.0	7.67	0.216	0.00	7.65	0.052	0.01	0.78	0.89	0.66	0.89	0.74	0.98	0.98		13			
14	1.334	29	2.61	33.0	0.68	2.0	0.18	65.0	1.95	72	92.0	7.64	0.224	0.00	7.59	0.041	0.00	0.97	1.21	0.59	0.78	0.74	1.22	1.22		14			
15	1.387	26	2.25	34.0	0.68	3.0	0.26	6.0	0.17	48	62.0	7.63	0.251	0.02	7.61	0.056	0.00	0.90	1.09	0.72	0.79	0.80	1.10	1.10		15			
16	1.383	26	2.26	34.0	0.68	3.0	0.26	69.0	2.00	48	52.0	7.62	0.162	0.00	7.62	0.054	0.00	0.94	1.08	0.67	0.83	0.77	1.19	1.19		16			
17	1.397	26	2.23	33.0	0.65	3.0	0.26	52.0	1.49	48	51.0	7.63	0.240	0.00	7.65	0.059	0.01	1.02	1.18	0.60	0.78	0.79	1.20	1.20		17			
18	1.470	27	2.20	32.0	0.60	3.0	0.24	36.0	0.98	48	53.0	7.61	0.131	0.00	7.63	0.044	0.00	0.88	1.11	0.56	0.74	0.82	1.15	1.15		18			
19	1.621	28	2.07	30.0	0.51	3.0	0.22	49.0	1.21	48	61.0	7.67	0.154	0.00	7.58	0.051	0.01	0.90	1.10	0.59	0.75	0.75	1.02	1.02		19			
20	1.553	30	2.32	31.0	0.55	3.0	0.23	37.0	0.95	72	91.0	7.61	0.132	0.01	7.57	0.049	0.00	0.95	1.10	0.60	0.94	0.69	1.00	1.00		20			
21	1.605	28	2.09	31.0	0.53	2.0	0.15	48.0	1.20	48	60.0	7.63	0.148	0.02	7.58	0.054	0.00	0.91	1.03	0.70	1.04	0.75	1.01	1.01		21			
22	1.549	35	2.71	30.0	0.53	2.0	0.15	49.0	1.27	48	55.0	7.61	0.137	0.02	7.55	0.047	0.00	0.95	1.12	0.85	0.97	0.72	1.03	1.03		22			
23	1.326	24	2.17	33.0	0.69	3.0	0.27	41.0	1.24	48	59.0	7.46	0.180	0.02	7.56	0.050	0.00	1.02	1.16	0.87	1.00	0.78	1.20	1.20		23			
24	1.318	20	1.82	33.0	0.69	2.0	0.18	45.0	1.37	48	71.0	7.53	0.141	0.02	7.56	0.058	0.01	0.98	1.19	0.56	0.86	0.80	1.10	1.10		24			
25	1.324	31	2.81	30.0	0.63	3.0	0.27	31.0	0.94	48	77.0	7.52	0.118	0.02	7.51	0.043	0.00	0.90	1.14	0.69	0.80	0.81	1.18	1.18		25			
26	1.273	27	2.55	16.0	0.35	4.0	0.38	42.0	1.32	48	63.0	7.58	0.247	0.01	7.59	0.052	0.00	0.94	1.04	0.54	0.64	0.73	1.23	1.23		26			
27	1.309	28	2.57	22.0	0.46	4.0	0.37	46.0	1.41	48	77.0	7.58	0.138	0.01	7.54	0.051	0.00	1.05	1.21	0.61	0.70	0.60	1.16	1.16		27			
28	1.275	27	2.54	20.0	0.43	4.0	0.38	42.0	1.32	48	67.0	7.66	0.203	0.03	7.58	0.046	0.01	1.00	1.19			0.64	1.13	1.13		28			
29	1.274	27	2.54	22.0	0.48	3.0	0.28	46.0	1.44	48	83.0	7.57	0.267	0.00	7.59	0.046	0.01	0.87	1.08	0.72	0.85	0.60	1.15	1.15		29			
30	1.309	25	2.29	26.0	0.55	2.0	0.18	40.0	1.22	48	61.0	7.63	0.235	0.00	7.58	0.049	0.00	1.01	1.19	0.86	0.98	0.72	1.28	1.28		30			
Total	41.480	793	-	887	-	88.0	-	1314	-	1488	1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Total			
Avg.	1.383	26	2.30	29.6	0.59	2.9	0.26	43.8	1.27	49.6	66.1		0.176	0.01		0.051	0.00	0.94	1.12	0.68	0.85	0.75	1.11	0.00	Avg.				
Max.	1.621	35	2.81	34.0	0.69	4.0	0.38	69.0	2.00	72.0	92.0	7.70	0.267	0.04	7.66	0.074	0.02	1.05	1.23	0.87	1.04	0.86	1.28	0.00	Max.				
Min.	1.266	20	1.82	16.0	0.35	2.0	0.15	6.0	0.17	48.0	51.0	7.29	0.118	0.00	7.40	0.041	0.00	0.78	0.89	0.54	0.64	0.56	0.98	0.00	Min.				
Point Of Application	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water	Raw Water		
												Certified Operator in Responsible Charge																	
												Stephen Legg Operator Jamin Beisiegel Superintendent WT021257 DS170210																	
Mail To: Indiana Department of Environmental Mgmt. Drinking Water Branch 66-34 100 N. Senate Ave. P.O. Box 6015 Indianapolis, IN 46206-6015										I.D.E.M. Field Representative: Darek Petro General Manager: Joshua Chance										Authorized Signature: 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 I am also aware that there are significant penalties for submitting false information.									