



**MONTHLY REPORT OF OPERATION
OF WATER TREATMENT PLANT**
State Form 34609 (R11 / 1-17)

INDIANA DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT

System Name: Valparaiso Airport Treatment Plant

PWSID Number: 5264029

For the Month of JUNE 2024

IDEM Field Rep.

Signed *[Signature]*

Title: Utilities Operations Maintenance Director

Certification Number: WT090135

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.

PHYSICAL AND CHEMICAL DATA

DATE	ALKALINITY		pH		TOTAL HARDNESS		IRON		MANGANESE		CHLORINE				FLUORIDE	PO4 TAP
	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	FREE	TOTAL	FREE	TOTAL		
1	250	270	7.21	7.20	460	476	1.06	0.01	0.30	0.01	1.2	1.6	0.8	1.0	0.7	1.77
2	260	266	7.32	7.25	448	460	1.00	0.02	0.28	0.03	1.2	1.6	0.2	0.4	0.7	2.01
3	280	278	7.19	7.09	448	480	1.61	0.02	0.21	0.02	1.2	1.6	0.6	0.8	0.8	1.80
4	288	276	7.24	7.17	446	474	1.40	0.01	0.18	0.03	1.2	1.5	0.9	1.1	0.8	1.83
5	280	268	7.29	7.19	446	456	2.09	0.07	0.23	0.01	1.3	1.6	0.8	1.0	0.9	1.71
6	288	260	7.28	7.26	448	466	1.98	0.05	0.21	0.02	1.3	1.6	0.5	0.6	0.9	1.61
7	280	264	7.31	7.23	444	452	2.27	0.06	0.23	0.03	1.3	1.6	0.4	0.6	0.9	1.63
8	284	266	7.32	7.27	438	446	1.68	0.08	0.27	0.04	1.3	1.6	0.5	0.6	0.9	1.62
9	268	262	7.29	7.24	446	440	2.45	0.04	0.27	0.04	1.2	1.6	1.1	1.4	0.9	1.72
10	298	256	7.36	7.24	432	410	0.63	0.03	0.15	0.02	1.3	1.6	0.4	0.8	0.8	1.65
11	252	250	7.32	7.27	420	428	0.70	0.05	0.18	0.02	1.3	1.6	0.8	1.0	0.7	1.58
12	246	260	7.29	7.23	426	414	0.69	0.04	0.19	0.04	1.3	1.6	0.3	0.4	0.8	1.46
13	274	264	7.28	7.27	356	412	0.28	0.04	0.18	0.04	1.3	1.6	0.3	0.4	1.0	1.38
14	256	260	7.37	7.30	428	420	0.44	0.01	0.21	0.08	1.3	1.6	0.4	0.5	0.9	1.55
15	246	260	7.41	7.32	408	480	0.42	0.06	0.23	0.06	1.3	1.6	0.2	0.5	1.0	1.38
16	240	256	7.45	7.38	406	438	0.41	0.01	0.22	0.05	1.3	1.6	0.8	1.0	0.9	1.47
17	260	250	7.42	7.32	354	408	0.50	0.02	0.11	0.02	1.3	1.7	1.4	1.5	1.0	1.54
18	282	294	7.38	7.29	396	432	0.90	0.01	0.15	0.00	1.3	1.6	1.0	1.2	1.0	1.47
19	288	300	7.30	7.22	400	444	1.53	0.02	0.25	0.03	1.3	1.6	0.4	0.6	1.0	1.38
20	246	272	7.36	7.28	366	408	1.93	0.06	0.25	0.05	1.3	1.6	0.8	0.9	1.1	1.39
21	282	280	7.34	7.27	388	410	1.85	0.04	0.20	0.02	1.3	1.4	0.6	0.7	0.8	1.41
22	270	264	7.37	7.25	396	412	1.67	0.08	0.25	0.04	1.3	1.6	0.7	0.8	0.9	1.51
23	270	264	7.32	7.25	398	416	2.06	0.11	0.26	0.04	1.3	1.6	0.8	0.9	0.8	1.81
24	318	322	7.24	7.20	420	446	1.02	0.30	0.26	0.05	1.3	1.6	0.3	0.6	1.0	1.75
25	298	280	7.32	7.29	500	430	1.74	0.08	0.31	0.07	1.3	1.6	0.4	0.5	0.9	1.68
26	284	266	7.28	7.28	452	412	1.13	0.05	0.31	0.04	1.3	1.6	1.3	1.5	0.8	1.69
27	289	274	7.29	7.26	466	430	1.08	0.04	0.25	0.03	1.3	1.7	0.5	0.7	0.9	1.77
28	288	274	7.28	7.27	446	420	1.10	0.03	0.24	0.03	1.3	1.7	1.0	1.2	0.9	1.65
29	322	270	7.32	7.29	422	416	0.89	0.02	0.19	0.01	1.3	1.6	0.4	0.4	0.8	1.81
30	280	284	7.39	7.33	436	404	0.82	0.02	0.19	0.02	1.4	1.6	0.8	1.0	0.8	1.85
AVG	276	270	7.32	7.26	425	435	1.24	0.05	0.22	0.03	1.3	1.6	0.6	0.8	0.9	1.63
MAX	322	322	7.45	7.38	500	480	2.45	0.30	0.31	0.08	1.4	1.7	1.4	1.5	1.1	2.01
MIN	240	250	7.19	7.09	354	404	0.28	0.01	0.11	0.00	1.2	1.4	0.2	0.4	0.7	1.38

Parameters not monitored are not reported. All parameters are to be expressed in mg/L except pH and turbidity. Due by the 10th of the month following the reporting period

AIRPORT CHEMICAL USAGE

JUNE 2024

DATE	FINISHED WATER (MG)	SODIUM HYPOCHLORITE (Gallon)	FLUORIDE (Lb)	PHOSPHATE (Lb)	FILTER WASH (MG)	BACKWASH RECYCLE (MG)
1	2.148	88	58	107	0.038	0.036
2	1.865	68	40	101	0.039	0.036
3	2.361	75	48	107		0.036
4	2.061	76	55	98	0.077	0.035
5	2.374	97	65	106	0.038	0.036
6	2.706	100	83	102	0.038	0.036
7	2.682	91	74	97	0.038	0.036
8	2.541	102	76	104	0.040	0.036
9	2.467	90	61	104	0.037	0.075
10	2.817	86	80	98	0.039	0.000
11	2.647	81	74	101	0.038	0.037
12	3.006	89	84	109	0.039	0.035
13	3.509	102	113	104	0.037	0.073
14	2.585	78	80	99	0.039	0.000
15	2.725	82	86	105	0.038	0.037
16	2.903	87	88	109	0.040	0.036
17	2.848	76	82	98	0.038	0.036
18	3.131	86	108	107	0.039	0.035
19	3.100	98	94	105		0.038
20	3.409	110	118	113	0.077	0.035
21	3.521	117	111	124	0.038	0.036
22	3.173	98	95	105		0.036
23	2.748	107	85	138	0.038	0.033
24	2.896	96	75	120	0.077	0.035
25	2.959	99	72	123	0.038	0.036
26	2.759	87	70	126	0.039	0.036
27	2.974	90	73	123	0.038	0.036
28	2.921	91	69	119	0.039	0.037
29	2.731	98	74	133	0.038	0.037
30	2.677	82	70	116	0.039	0.036
TOTALS	83.247	2724	2361	3301	1.153	1.082
AVERAGE	2.775	91	79	110	0.043	0.036
MINIMUM	1.865	68	40	97	0.037	0.000
MAXIMUM	3.521	117	118	138	0.077	0.075