

Poon, Peter

From: DWBMGR
Sent: Tuesday, July 2, 2024 10:06 AM
To: Poon, Peter
Subject: FW: 5247001_01_202406
Attachments: 5247001_01_202406.pdf

Thank you,

ROGER SVENDSEN

Indiana CMDP Administrator
IDEM Drinking Water Branch
100 N. Senate Ave. MC 66-34
Indianapolis, IN 46204

Phone: 317-234-7455 Fax: 317-234-7455

Routine Drinking Water Test Results submitted to IDEM Drinking Water Branch can be viewed on-line by clicking the link below:
<https://myweb.in.gov/IDEM/DWW/>

From: Kyle Foddrill <kfoddrill@bedford.in.gov>
Sent: Tuesday, July 2, 2024 9:59 AM
To: DWBMGR <DWBMGR@idem.IN.gov>
Subject: 5247001_01_202406

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IE/LT1 SWTR COMBINED FILTER EFFLUENT TURBIDITY

State Form 53294 (8-07)
 Indiana Department of Environmental Management (IDEM)
 Office of Water Quality - Drinking Water Branch - Compliance Section

INSTRUCTIONS: Please submit completed forms to: IDEM OWQ Drinking Water, Mail Code 66-34, 100 N Senate Ave, Indianapolis, IN 46204-2251

PWSID:

IN 5247001

System Name:

BEDFORD UTILITIES

Plant Number:

01

Plant Name:

ILLINOIS STREET FILTRATION PLANT

This form must be completed and submitted to IDEM within the first ten (10) days after the end of the monitoring period in which the samples were collected.

Monitoring Period (MM/DD/YYYY) :

06 / 01 / 2024

Please submit completed form to:
 IDEM OWQ - Drinking Water Branch
 100 N Senate Avenue
 Indianapolis, IN 46204-2251

Day	Hours of Operation	Raw Water Turbidity	Record Combined Effluent Turbidity Every Four Hours on a Daily Basis						Daily Max	Number >0.3 NTU
			1st	2nd	3rd	4th	5th	6th		
1	24:0	48:0	0:08	0:08	0:08	0:10	0:09	0:08	0:10	0
2	24:0	40:0	0:08	0:07	0:08	0:07	0:06	0:06	0:08	0
3	24:0	33:0	0:06	0:05	0:06	0:05	0:05	0:05	0:06	0
4	24:0	23:0	0:05	0:05	0:05	0:05	0:05	0:05	0:05	0
5	24:0	18:0	0:05	0:05	0:05	0:05	0:05	0:05	0:05	0
6	24:0	17:0	0:05	0:05	0:05	0:05	0:05	0:05	0:05	0
7	24:0	15:0	0:05	0:05	0:05	0:12	0:13	0:14	0:14	0
8	24:0	30:0	0:10	0:10	0:10	0:15	0:14	0:12	0:15	0
9	24:0	28:0	0:11	0:10	0:10	0:12	0:10	0:09	0:12	0
10	24:0	28:0	0:08	0:08	0:09	0:11	0:09	0:07	0:11	0
11	24:0	24:0	0:06	0:06	0:05	0:05	0:04	0:04	0:06	0
12	24:0	25:0	0:05	0:05	0:05	0:05	0:05	0:05	0:05	0
13	24:0	28:0	0:06	0:06	0:07	0:06	0:07	0:07	0:07	0
14	24:0	28:0	0:06	0:06	0:11	0:09	0:10	0:09	0:11	0
15	24:0	57:0	0:09	0:09	0:08	0:07	0:07	0:07	0:09	0
16	24:0	26:0	0:12	0:09	0:08	0:08	0:09	0:08	0:12	0
17	24:0	21:0	0:07	0:06	0:06	0:07	0:07	0:06	0:07	0
18	24:0	20:0	0:06	0:06	0:06	0:07	0:07	0:07	0:07	0
19	24:0	16:0	0:07	0:07	0:07	0:07	0:07	0:06	0:07	0
20	24:0	18:0	0:06	0:06	0:06	0:06	0:07	0:06	0:07	0
21	24:0	20:0	0:06	0:06	0:06	0:07	0:06	0:06	0:07	0
22	24:0	18:0	0:06	0:06	0:06	0:07	0:07	0:07	0:07	0
23	24:0	19:0	0:07	0:07	0:08	0:08	0:08	0:07	0:08	0
24	24:0	17:0	0:07	0:07	0:07	0:07	0:07	0:06	0:07	0
25	24:0	17:0	0:07	0:07	0:08	0:06	0:06	0:06	0:08	0
26	24:0	16:0	0:06	0:06	0:07	0:06	0:06	0:06	0:07	0
27	24:0	12:0	0:05	0:05	0:06	0:06	0:05	0:05	0:06	0
28	24:0	12:0	0:05	0:05	0:05	0:07	0:08	0:07	0:08	0
29	24:0	11:0	0:08	0:09	0:08	0:09	0:09	0:09	0:09	0
30	24:0	10:0	0:09	0:10	0:10	0:10	0:10	0:09	0:10	0
31	24:0	0:00	0

I hereby certify that all the information submitted herein is true and accurate to the best of my knowledge.

Completed By: J. Eric Flinn

Date: 07/01/24

Reviewed by: [Signature]



MONTHLY INDIVIDUAL FILTER EFFLUENT (IFE) TURBIDITY MONITORING

State Form 53293 (R2 / 10-13)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (IDEM)
 OFFICE OF WATER QUALITY – DRINKING WATER BRANCH – COMPLIANCE SECTION

- INSTRUCTIONS:**
1. Individual filters must be monitored continuously recorded every fifteen (15) minutes. Exceedance of the performance requirement triggers follow-up action (i.e. it is not a violation).
 2. If there is a failure in the continuous turbidity monitoring equipment, Subpart H systems serving a population of at least ten thousand (10,000) individuals must conduct grab sampling every four (4) hours instead of continuous monitoring, but for no more than five (5) working days following the failure of the equipment. Subpart H system serving a population of fewer than ten thousand (10,000) individuals must conduct grab sampling every four (4) hours instead of continuous monitoring until the turbidimeter is back in operation. The system has fourteen (14) days to resume continuous monitoring before a violation is incurred.
 3. The system must report the filter number, turbidity measurements and date(s) on which the exceedance occurred by the 10th of the next month.
 4. When turbidity levels are exceeded in consecutive months, the water system must provide to IDEM all previous consecutive monthly monitoring forms for which the filter exceeded the levels.

	For systems that serves at least 10,000 people	For systems that serves less than 10,000 people
*	The system must both produce a filter profile within seven (7) days of the exceedance and report that it has been produced, or report the cause of the exceedance (if known). Attach information identifying every 15-min turbidity reading that caused the exceedance.	Attach information identifying every 15-min turbidity reading that caused the exceedance. Report the cause of the exceedance (if known). No filter profiling requirements.
**	The system must both produce a filter profile for the filter within seven (7) days of the exceedance and report that it has been produced, or report the obvious reason for the exceedance (if known).	Report the cause of the exceedance (if known).
***	The system must conduct a self-assessment of the filter within fourteen (14) days of the exceedance and report that it was conducted.	The system must conduct a self-assessment of the filter within fourteen (14) days of the exceedance and report that it was conducted.
****	A comprehensive performance evaluation (CPE) must be arranged no later than thirty (30) days after the filter exceeded 2.0 NTU for the second straight month. The CPE must be completed and the report submitted within ninety (90) days of the exceedance.	A comprehensive performance evaluation (CPE) must be arranged no later than sixty (60) days after the filter exceeded 2.0 NTU for the second straight month, and must be completed and the report submitted within 120 days after the final exceedance.

- Yes No Did every individual filter that was in operation have at least 95% of its turbidity measurements at or below 0.15 NTU this month?
- Yes No Did any individual filter have a measured turbidity greater than 0.3 NTU in two (2) consecutive measurements taken fifteen (15) minutes apart this month?
- Yes No Were at least 95% of the turbidity measurements taken at the combined filter effluent at or below 0.15 NTU during this month?

UV Disinfection System Monthly Off-Specification Compliance Report
 UV Reactor Supporting Documentation

PWSID Number: 5247001 System Name: Bedford City Utilities
 Treatment Facility: Illinois St. Treatment Plant

Reporting Period: Jun-24

Day	Reactor Number 1			Reactor Number 2			Reactor Number 3			System			Off Spec Pct	Off Spec Volume (1000 GAL)	Significant Off-Spec Events (Daily Off-Spec Percentage greater than 5%)
	Hours of Operation (hours)	Volume Treated (1000 GAL)	Hours of Operation (hours)	Volume Treated (1000 GAL)	Hours of Operation (hours)	Volume Treated (1000 GAL)	Hours of Operation (hours)	Volume Treated (1000 GAL)	Hours of Operation (hours)	Volume Treated (1000 GAL)	Total UV Volume Treated (1000 GAL)	Total Filter Volume Treated (1000 GAL)			
1	22.02	1543.105	0.00	2.536	1715.832	23.88	1715.832	3261.472	3100.222	-161.250	-5.20%				
2	4.33	300.709	0.00	2.536	2642.704	24.00	2642.704	2945.948	2940.807	-5.141	-0.17%				
3	0.35	31.893	0.00	2.536	2995.097	24.00	2995.097	3029.526	3001.051	-28.475	-0.95%				
4	0.00	0.103	0.00	2.536	3043.006	24.00	3043.006	3045.645	3036.130	-9.515	-0.31%				
5	12.65	1702.622	0.00	2.536	1405.225	11.45	1405.225	3110.383	3085.209	-25.174	-0.82%				
6	24.00	3089.431	0.00	2.536	0.000	0.00	0.000	3091.967	3088.510	-3.457	-0.11%				
7	24.00	3126.773	0.00	2.536	87.476	1.02	87.476	3216.785	3112.122	-104.663	-3.36%				
8	24.00	3050.032	0.00	2.536	83.593	0.95	83.593	3136.162	2943.643	-192.519	-6.54%				
9	24.00	3033.778	0.00	2.536	123.914	2.18	123.914	3160.228	3072.332	-87.896	-2.86%				
10	24.00	3067.439	0.00	2.536	297.394	4.63	297.394	3367.369	3201.224	-166.145	-5.19%				
11	24.00	3087.024	0.00	2.536	0.000	0.00	0.000	3089.560	3078.269	-11.291	-0.37%				
12	24.00	2546.820	0.00	2.536	634.832	9.17	634.832	3184.188	3180.739	-3.449	-0.11%				
13	10.10	762.257	0.00	2.536	2553.256	22.45	2553.256	3318.049	3382.709	64.660	1.91%				
14	1.48	138.879	0.00	2.536	3426.805	23.98	3426.805	3568.221	3494.097	-74.124	-2.12%				
15	13.08	1666.944	0.00	2.536	3139.316	24.00	3139.316	4808.795	4606.326	-202.469	-4.40%				
16	7.58	744.967	0.00	2.536	3294.570	24.00	3294.570	4042.073	3821.345	-220.728	-5.78%				
17	1.88	173.574	0.00	2.536	3467.181	24.00	3467.181	3643.291	3554.518	-88.773	-2.50%				
18	1.43	144.136	0.00	2.536	3372.353	24.00	3372.353	3519.025	3377.572	-141.453	-4.19%				
19	1.88	184.047	0.00	2.536	3294.699	24.00	3294.699	3481.282	3334.027	-147.255	-4.42%				
20	1.57	157.765	0.00	2.536	3358.239	24.00	3358.239	3518.540	3377.614	-140.926	-4.17%				
21	1.40	130.461	0.00	2.536	3508.767	23.62	3508.767	3641.765	3518.633	-123.132	-3.50%				
22	0.00	0.321	0.00	2.536	3527.544	24.00	3527.544	3530.401	3442.817	-87.584	-2.54%				
23	0.00	0.311	0.00	2.536	3444.033	24.00	3444.033	3446.881	3313.996	-132.885	-4.01%				
24	10.32	1457.604	0.00	2.536	1757.826	13.70	1757.826	3217.966	3232.487	14.521	0.45%				
25	16.53	2273.253	0.00	2.536	1086.228	7.70	1086.228	3362.017	3332.910	-29.107	-0.87%				
26	16.80	2340.726	0.00	2.536	850.830	7.22	850.830	3194.092	3180.397	-13.695	-0.43%				
27	24.00	3160.001	0.00	2.536	0.000	0.00	0.000	3162.539	3148.799	-13.740	-0.44%				
28	14.47	1970.706	0.00	2.536	1418.387	9.73	1418.387	3391.628	3254.462	-137.166	-4.21%				
29	0.72	64.230	0.00	2.536	3177.029	24.00	3177.029	3243.794	3073.543	-170.251	-5.54%				
30	0.85	83.339	0.00	2.536	3006.415	24.00	3006.415	3092.290	2939.876	-152.414	-5.18%				
31															
Monthly Volume (MG):										1 Flow	2 Flow	3 Flow	Total UV Flow	Total Filtered Flow	Total Offspec Flow
										40033.248	76.081	60712.552	100821.882	98226.386	-2595.496