

Poon, Peter

From: DWBMGR
Sent: Tuesday, July 9, 2024 11:20 AM
To: Poon, Peter
Subject: FW: IN5229004 Monthly Reports 06/2024 & Semi Annual OWQ Reporting
Attachments: IN5229004 DS Chlorine RR 062024.pdf; IN5229004 DS OWQ 01012024_06302024.pdf; IN5229004 Plant 1 OWQ POE6 01012024_06302024.pdf; IN5229004 Plant 1 POE6 IFE Turbidity Report 062024.pdf; IN5229004 Plant 1 POE6 POE Chlorine RR 062024.pdf; IN5229004 Plant 1 POE6 CFE A Turbidity Report 062024.pdf; IN5229004 Plant 3 OWQ POE2 01012024_06302024.pdf; IN5229004 Plant 4 OWQ POE3 01012024_06302024.pdf; IN5229004 Plant 4 POE3 GWRRR 062024.pdf; IN5229004 Plant 5 POE4 GWRRR 062024.pdf; IN5229004 Plant 5_5A OWQ POE4 01012024_06302024.pdf; IN5229004 Plant 1 POE7 CFE B Turbidity Report 062024.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: Foreman, Jaimie L <jforeman@carmel.in.gov>
Sent: Tuesday, July 9, 2024 11:18 AM
To: DWBMGR <DWBMGR@idem.IN.gov>
Cc: Duffy, John M <JDuffy@carmel.in.gov>; Hendricks, Mike <mhendricks@carmel.in.gov>; Rhodes, Kenneth D <krhodes@carmel.in.gov>; Cloud, Jerry A <jcloud@carmel.in.gov>; Creasy, Andrew R <acreasy@carmel.in.gov>; Bickel, Matthew G <mbickel@carmel.in.gov>; Luper, Michael E <mluper@carmel.in.gov>
Subject: IN5229004 Monthly Reports 06/2024 & Semi Annual OWQ Reporting

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IN5229004 Monthly Reports 06/2024

Jaimie Foreman | Drinking Water Regulatory Compliance Supervisor
Office 317-571-4144 | Fax 317-571-4140
4915 E. 106th Street, Carmel IN 46280
jforeman@carmel.in.gov



"Water is life. Water is finite. All the water that's here now is all there ever was --and ever will be."

**IE/LT1 SWTR Combined Filter Wffluent Turbidity**

State Form 53294 (6-07)

Indiana Department of Environmental Management

Office of Water Quality - Drinking Water Branch

PWSID 5229004
Plant 1 (POE 6)**System Name:** Carmel Water Plant 1 (POE 6)
Plant Name: Plant 1 (POE 6) Treatment A**Monitoring Period:** 06/2024

Day of the Month	Hours of Operation	Raw Water Turbidity:	Record CFE Readings every four hours (NTU)						Daily Max (NTU)	No Times >0.3 NTU
			1st	2nd	3rd	4th	5th	6th		
1	18.5	1.7	0.06	0.05	0.06	0.05	0.05	0.05	0.06	0
2	17.3	1.5	0.05	0.06	0.06	0.05	0.05	0.05	0.06	0
3	18.5	2.9	0.06	0.05	0.05	0.05	0.05	0.05	0.06	0
4	17.0	1.8	0.05	0.06	0.06	0.06	0.05	0.05	0.06	0
5	17.8	1.7	0.05	0.05	0.05	0.06	0.05	0.05	0.06	0
6	17.8	2.0	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0
7	15.8	1.9	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0
8	19.9	1.9	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0
9	18.5	1.4	0.05	0.05	0.05	0.06	0.05	0.05	0.06	0
10	18.9	1.3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
11	21.2	1.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
12	19.2	1.7	0.06	0.05	0.06	0.06	0.06	0.05	0.06	0
13	22.4	1.7	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
14	21.4	1.3	0.05	0.05	0.06	0.05	0.06	0.05	0.06	0
15	19.4	1.4	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
16	19.9	1.1	0.06	0.05	0.05	0.05	0.05	0.05	0.06	0
17	21.8	0.9	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
18	23.7	1.0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
19	22.8	1.2	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0
20	21.8	0.9	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
21	22.3	0.9	0.06	0.05	0.06	0.05	0.05	0.06	0.06	0
22	23.7	0.8	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
23	23.9	0.8	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
24	20.9	0.8	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0
25	23.3	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
26	21.0	1.2	0.06	0.06	0.05	0.05	0.06	0.06	0.06	0
27	21.7	1.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
28	20.5	1.4	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
29	22.5	1.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
30	21.3	1.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0
31										

Completed By: Jaimie Foreman

Date: 07/08/2024

Reviewed By: Jerry Cloud

Q7.9

 7-9-24

**IE/LT1 SWTR Combined Filter Wffluent Turbidity**

State Form 53294 (6-07)

Indiana Department of Environmental Management

Office of Water Quality - Drinking Water Branch

PWSID 5229004
Plant 1 (POE 7)**System Name:** Carmel Water Plant 1 (POE 6)
Plant Name: Plant 1 (POE 7) Treatment B**Monitoring Period:** 06/2024

Day of the Month	Hours of Operation	Raw Water Turbidity:	Record CFE Readings every four hours (NTU)						Daily Max (NTU)	No Times >0.3 NTU
			1st	2nd	3rd	4th	5th	6th		
1	18.0	1.8	0.06	0.06	0.07	0.06	0.07	0.07	0.07	0
2	16.7	1.4	0.07	0.09	0.06	0.07	0.07	0.07	0.09	0
3	18.0	3.0	0.07	0.08	0.07	0.07	0.06	0.07	0.08	0
4	16.3	1.7	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0
5	17.2	1.7	0.06	0.08	0.07	0.07	0.07	0.07	0.08	0
6	17.1	2.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0
7	14.9	1.9	0.06	0.07	0.07	0.07	0.06	0.07	0.07	0
8	19.5	2.0	0.07	0.07	0.08	0.07	0.07	0.07	0.08	0
9	17.9	1.7	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0
10	18.4	1.2	0.08	0.07	0.07	0.09	0.07	0.07	0.09	0
11	20.9	1.2	0.07	0.07	0.07	0.07	0.06	0.06	0.07	0
12	18.6	2.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0
13	22.0	1.4	0.07	0.07	0.08	0.07	0.07	0.07	0.08	0
14	21.1	1.0	0.07	0.07	0.08	0.07	0.07	0.08	0.08	0
15	18.9	1.4	0.07	0.07	0.08	0.08	0.08	0.06	0.08	0
16	19.4	1.1	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0
17	21.6	1.0	0.06	0.07	0.07	0.07	0.06	0.07	0.07	0
18	23.5	0.9	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0
19	22.7	1.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0
20	21.2	0.9	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0
21	22.1	1.1	0.07	0.08	0.07	0.07	0.08	0.07	0.08	0
22	23.5	0.8	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0
23	23.9	0.7	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0
24	20.5	1.0	0.07	0.06	0.08	0.07	0.07	0.07	0.08	0
25	23.0	1.8	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0
26	20.6	1.2	0.07	0.08	0.07	0.08	0.06	0.06	0.08	0
27	21.3	1.2	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0
28	20.1	1.5	0.07	0.07	0.07	0.09	0.07	0.09	0.09	0
29	22.4	1.0	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0
30	20.9	1.3	0.07	0.07	0.08	0.07	0.08	0.06	0.08	0
31										

Completed By: Jaimie Foreman

Date: 07/08/2024

Reviewed By: Jerry Cloud

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 7-9-24



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?

Jim C 7-9-24

Q19

MONTHLY INDIVIDUAL FILTER EFFLUENT (IFE) TURBIDITY MONITORING FORM (continued)

PWSID # <u>IN5229004</u>		System Name: <u>Carmel Utilities</u>	
Treatment Plant Name/Number: <u>Plant 1 Poe 6</u>		Please submit completed forms to: OWQ Drinking Water – Mail Code 66-34 100 N. Senate Avenue Indianapolis, IN 46204-2251 Fax (317) 234-7436	
Address: <u>4915 E 106th St, Carmel IN 46280</u>			
County: <u>Hamilton</u>			
Submitted by:	Month	Year	
<u>Matthew Bichel</u>	<u>06</u>	<u>24</u>	

Total Number of Filters:

8

Was each filter monitored continuously?

yes

Were measurements recorded every fifteen (15) minutes?

Yes

Was there any failure of the continuous monitoring equipment?

Imo

Answer these two questions *only* if there was a failure in the continuous monitoring equipment:

Longest duration for the continuous monitoring equipment failure: _____ hours

Were grab samples collected every four hours? _____

[illegible]