

## Poon, Peter

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**From:** Christina L Gosnell <Christina.Gosnell@amwater.com>  
**Sent:** Tuesday, September 10, 2024 9:10 AM  
**To:** Poon, Peter  
**Cc:** JONES, STACY; Chris L Daniel  
**Subject:** August 2024 IN5289012- TOC report with weighted calculation  
**Attachments:** PWS 5289012 - Richmond 08-2024 TOC.pdf

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Hi Peter.

Please find the August TOC results for Richmond attached. Let me know if you have any questions.

Thanks.

Christina Gosnell  
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# MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORTING

State Form 53284 (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:	Plant Num:	System Name:
IN5289012	04	Indiana American - Richmond
		Plant Name:
		Middle Fork Treatment 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):

08 / 01 / 2024

Please submit completed form to:

IDEM - Drinking Water Branch  
100 N Senate Avenue  
Indianapolis, IN 46204-2251

Testing Lab Certification:

C - IL - 01

Collection Date (MM/DD/YY):

08 / 06 / 24

Laboratory Name:

AWWSC Central Laboratory

Lab Contact Person:

Bill Deckelmann

Contact Phone No:

618 - 235 - 3600

Sample ID:

71273701

TOC Analytical Method:

☐ 5310B ☐ 5310C ☐ 5310D
These are your tests results:

(A) Treated Water TOC: 1.55 mg/L

(B) Source Water TOC: 2.72 mg/L

(D) Source Water Alkalinity: 233.0 mg/L

And these are calculated/obtained results:

(C) Achieved TOC Removal: 43.0 %  
= [1-(A)/(B)]\*100(E) Required TOC Removal: 15.0 %  
(From Matrix Below)(C/E) Ratio: 2.8700  
(Divide C by E Above)

	TOC (mg/L)	Alk (mg/L)	Flow (MGD)
East Fork Raw	1.20	310	1.987
Middle Fork Reservoir	3.41	182	4.345
Total Raw Flow			6.332
Raw TOC Weighted Average	2.72	233	
Middle Fork Effluent	1.55	190	

## Notes:

- At least one set of "paired" TOC samples and one source water alkalinity sample must be collected each month.
- The first of these "paired" samples must be collected from the source water prior to any treatment.
- The alkalinity sample must be collected simultaneously and from the same location that the source water TOC sample is collected.
- Compliance is determined based on a four-quarter running annual average of monthly samples averaged quarterly, as applicable.
- All the samples collected and analyzed shall be included in determining compliance, even if the number of samples exceeds the minimum number of samples required.
- The use of a certified laboratory is not required for TOC analysis, but a state-approved method must be used (e.g., Method 5310).

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

Completed By: Christopher Daniel Date: 09/01/24 Reviewed by: Christopher Daniel