



MONTHLY TOTAL ORGANIC CARBON REMOVAL REPORTING

State Form 53284 (6-07)

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: I N	Plant Num: 	System Name:
Plant Name: 		

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):

/ 01 / 20

Please submit completed form to:

IDEM - OWQ Drinking Water - MC 66-34
100 N Senate Avenue
Indianapolis, IN 46204-2251

Testing Lab Certification:

C - -

Collection Date (MM/DD/YY):

/ /

Laboratory Name:

Lab Contact Person:

Contact Phone No:

- -

Sample ID:

TOC Analytical Method:

☐ 5310B

☐ 5310C

☐ 5310D

These are your **tests** results:

(A) Treated Water TOC: . mg/L

(B) Source Water TOC: . mg/L

(D) Source Water Alkalinity: . mg/L

And these are calculated/obtained results:

(C) Achieved TOC Removal: . %
= [1-(A)/(B)]*100

(E) Required TOC Removal: . 0 %
(From Matrix Below)

(C/E) Ratio: .
(Divide C by E Above)

Step 1 TOC Table: Required TOC Removal Matrix

Source Water TOC (mg/L)	Source Water Alkalinity, mg/L, as Ca CO ₃		
	0 - 60	>60 - 120	>120
>2.0 to 4.0	35.0%	25.0%	15.0%
>4.0 to 8.0	45.0%	35.0%	25.0%
>8.0	50.0%	40.0%	30.0%

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: _____ Date: ____/____/____ Reviewed by: _____