

**INSTRUCTIONS FOR COMPLETING THE ADDENDUM FOR INDIVIDUAL
FILTER TURBIDITY RESULTS MONTHLY OPERATING REPORT (MOR)
LT1 SWTR SYSTEMS, <10,000 POPULATION
EPA 5109-B FORM (12/03)**

GENERAL

Each public water system that uses a surface water, in whole or in part, and provides water to a combined population of less than ten thousand shall continuously monitor the turbidity from each individual filter effluent (or combined filter effluent for systems with two filters). Each public water system shall report monthly to the appropriate Ohio EPA district office that individual filter effluent turbidity monitoring has been conducted. These same public water systems shall record the results of each individual filter effluent turbidity monitoring every fifteen minutes. The results of the recorded measurements shall be used to determine whether the public water system had an individual filter turbidity exceedance during the month. The water system shall also report on a monthly basis to the appropriate Ohio EPA district office, any individual filter turbidity exceedance, and the status of all “actionable requirements.” The individual turbidity events and actionable requirements are listed below.

INDIVIDUAL FILTER TURBIDITY PERFORMANCE STANDARDS	
Individual Filter Event	Action Required (Reporting items must be submitted on EPA 5109-B form within 10 days of the following month)
<p>EVENT A Any individual filter that has a measured turbidity level of greater than 1.0 NTU in two consecutive measurements taken 15 minutes apart.</p>	<ul style="list-style-type: none"> ☞ Report the filter number, the turbidity measurements, and the date(s) on which the exceedances occurred. ☞ Report reason for the exceedances, if known.
<p>EVENT B Any individual filter that has a measured turbidity level of greater than 1.0 NTU in two consecutive measurements taken 15 minutes apart at any time in each of three consecutive months.</p>	<ul style="list-style-type: none"> ☞ Report the filter number, the turbidity measurements, and the date(s) on which the exceedances occurred. ☞ Complete an individual self-assessment within 14 days of the exceedance. ☞ Report that the individual filter self-assessment was conducted.

INSTRUCTIONS FOR COMPLETING THE ADDENDUM FOR INDIVIDUAL FILTER TURBIDITY RESULTS MOR

<p>EVENT C Any individual filter that has a measured turbidity level of greater than 2.0 NTU in two consecutive measurements taken 15 minutes apart at any time in each of two consecutive months</p>	<ul style="list-style-type: none"> ☞ Report the filter number, the turbidity measurements, and the date(s) on which the exceedances occurred. ☞ Arrange for the completion of a comprehensive performance evaluation (CPE) by the Ohio EPA or a third party no later than 60 days following the exceedance. Must contact the Ohio EPA before arranging a third party CPE. ☞ Have the CPE completed and submitted to the Ohio EPA no later than 120 days following the exceedance.
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GUIDELINES

A completed EPA 5109-B form entitled "Addendum for Individual Filter Turbidity Results Monthly Operation Report", must be submitted each month. In addition to reporting that individual filter effluent monitoring was conducted, the results of the required individual filter effluent turbidity monitoring that constitutes an individual filter event are required to be entered on the EPA 5109-B form for the filter number and date(s) and time(s) of each respective event. The status of all incomplete "actionable requirements" are also required to be reported on the EPA 5109-B form.

The completed EPA 5109-B form must be received by your local Ohio EPA District Office, Attention: Division of Drinking and Ground Waters, by the 10th day of the month following the month being reported, along with the completed EPA 5109 form.

1. PUBLIC WATER SYSTEM INFORMATION

- Print or type the name of the public water system (PWS) and the public water system identification (PWS-ID) number.
- Print or type the name of the source treatment unit (STU) and the source treatment unit identification (STU-ID) number.
- Enter the month and year being reported.
- Record whether you monitor each individual filter effluent (or combined filter effluent for systems with two or fewer filters)
- Record whether or not the continuous filter monitoring and recording equipment (*for any filter*) was off-line during the month. **If yes**, then attach a separate sheet with a table including the filter number(s), the date(s), duration of outage and individual filter grab sampling frequency.

2. INDIVIDUAL FILTER EVENT INFORMATION

There are three individual filter events listed as A, B, and C on EPA 5109-B form. For each of the three individual filter events listed, record whether or not any of the individual filters (or combined filter effluent for systems with two filters) had an

INSTRUCTIONS FOR COMPLETING THE ADDENDUM FOR INDIVIDUAL FILTER TURBIDITY RESULTS MOR

individual filter turbidity exceedance as described in A, B, and C. If any of the answers for A, B, and C are **Yes**, then complete the table on the reverse side of the report, as appropriate.

To fill out the table on the reverse side of the report, in the first column enter the number of the filter that had an exceedance followed by the event which was triggered (A, B, and C) in the second column. In the third column, enter the dates of each turbidity exceedance and then enter the times of each turbidity exceedance in the fourth column. Finally, enter the turbidity measurements which triggered the event.

EXAMPLE:

Filter Number	Individual Filter Event (A, B, C)	Date	Time	Turbidity (NTU) Measurement(s)
5	B	4/05/05	4:00 pm	1.3 NTU
5	B	4/05/05	4:15 pm	1.4 NTU

Below the table on the form, record whether or not an individual filter event (A, B, or C) was reported on the 5109-B report which was submitted last month for any of the filters listed in the table. For the example above, the answer would be yes. EVENT B only occurs after exceeding a turbidity standard for three consecutive months. For Filter Number 5 to be recorded as EVENT B, Filter Number 5 would have been reported as having an EVENT A during the previous two months. In the third consecutive month of exceeding 1.0 NTU in two consecutive measurements taken 15 minutes apart, the EVENT A would change to EVENT B.

3. REQUIRED FOLLOW-UP ACTIONS

If an individual filter self-assessment or comprehensive performance evaluation is required, complete the appropriate questions listed below the table on the form.

INDIVIDUAL FILTER SELF-ASSESSMENT (IFSA):

- Record whether or not the required IFSA was completed within 14 days from the individual filter event.
- Record the completion date for the IFSA.
- Please refer to the fact sheet for conducting individual filter self-assessments which can be downloaded from: www.epa.state.oh.us/ddagw

COMPREHENSIVE PERFORMANCE EVALUATION (CPE):

- Record the number of the filter that experienced the event that required a CPE to be completed.

INSTRUCTIONS FOR COMPLETING THE ADDENDUM FOR INDIVIDUAL FILTER TURBIDITY RESULTS MOR

- Record the date (*2nd consecutive month date*) of the event that triggered the requirement to conduct a CPE.
 - Record the date when your public water system finalized a date for conducting the CPE (not the date of the CPE). This will be the date you contacted the Ohio EPA District Office to arrange for an Ohio EPA conducted CPE or the date you contacted the Ohio EPA District Office to request that the CPE be conducted by a third party.
 - For third party CPE's, record the date your public water system submitted the final CPE report to the Ohio EPA District Office.
 - Record whether or not the required CPE was arranged within 60 days of individual filter event (*2nd consecutive month date*).
 - Record whether or not the required CPE report was submitted within 120 days of individual filter event (*2nd consecutive month date*).
 - Please refer to the fact sheet for conducting comprehensive performance evaluations which can be downloaded from:
www.epa.state.oh.us/ddagw/pubs.html#factsht
4. Turn to the front page and provide the Name of the Certified Operator, the Operator Certification Number, the signature of the responsible official, and the date the report was completed.
 5. Return completed report to your district office no later than 10 days after the end of the month you are reporting.