



**Minnesota Pollution
Control Agency**

520 Lafayette Road North
St. Paul, MN 55155-4194

Air Performance Test Form

Performance Test Frequency Plan

Instructions

Upon receiving the performance test frequency plan, the Minnesota Pollution Control Agency will issue a review letter determining the performance test frequency of the unit. The performance-testing frequency becomes effective when the Minnesota Pollution Control Agency review letter is received by the facility. The new testing frequency will be incorporated into the facility's permit in the next permit amendment.

The Performance Test Frequency Form, and other correspondence related to performance testing, may be addressed to:

Minnesota Pollution Control Agency
Air Quality Compliance Tracking Coordinator
520 Lafayette Road North
St Paul MN 55154-4194

General Information for the Performance Test Frequency Plan

Part 1. Facility Information

Please provide the following information for all performance test frequency plans:

A) The company name

- 1) Please include Minnesota Pollution Control Agency-assigned Air Quality File number (*AQ File No.: xxxx*)
File numbers can be found at the following Web site: www.pca.state.mn.us/publications/air-aqfilenumbers.xls
- 2) Please include Minnesota Pollution Control Agency-assigned Air Quality Permit No. (xxxxxxx-xxx)
- 3) Complete address
- 4) Phone and fax numbers, e-mail address

B) The name and address of the emission facility (*if different from the company name and address*)

- 1) Name and title of the contact person
- 2) Street address
- 3) Phone and fax numbers, e-mail address

C) Contact information for the company

- 1) Name and title of the company contact
- 2) Complete address if different from the company
- 3) Phone and fax numbers, e-mail address

Note: Please consider the environment and avoid printing out the instructions to this form if at all possible.
Thank you.

Part 2. Test Frequency Plan Guidance

A) Testing frequency for emission units

Please use the following equation to determine testing frequency

$$\text{Emission unit equation: } \frac{\text{Test Result}}{\text{Limit}} \times 100 = \text{Test result as percent of limit (\%)}$$

When computations are completed, select **one** of the proposed testing frequencies listed in Part 2A on the form. If there is any additional information you would like to share about the testing, please use the comments lines at the end of Part 2A on the form.

Please note: The emission unit shall be given in name and in EU number as found in the facility permit.

B) Testing frequency for control equipment

Please use the following equation to determine testing frequency

$$\text{Control equipment equation: } \frac{100 - \text{Test result}}{100 - \text{Limit}} \times 100 = \text{Test result as percent of limit (\%)}$$

When computations are completed, select **one** of the proposed testing frequencies listed in Part 2B on the form. If there is any additional information you would like to share about the testing, please use the comments lines at the end of Part 2B on the form.

Please note: The control equipment unit shall be given in name and in CE number as found in the facility permit.

C) Testing frequency table for Sections A & B

The table below contains the Minnesota Pollution Control Agency (MPCA) guidance for testing frequency. The MPCA reserves the right to deviate from the performance testing frequency guidance. Factors such as performance testing history and the enforcement history of the unit may impact the required testing frequency of a unit.

As general guidance, if:	Then:
Test results \geq 90 percent of limit	Performance test due every 12 months
60 percent \leq of test results < 90 percent of limit	Performance test due every 36 months
Test results < 60 percent of limit	Performance test due every 60 months

D) Additional notes for Sections A & B

- 1) Make sure the units (e.g. lb/hr) of the emission limit and the units of the test results match.
- 2) Choosing which limit or which equation to use when **more than one limit** applies:

Where compliance has been demonstrated with more than one limit for the same pollutant on a given unit, the testing frequency shall be determined using the test result and corresponding limit that results in the more stringent testing frequency.

- 3) Submitting a testing frequency plan for **more than one pollutant** on the same unit:

If you are required to submit a test frequency plan for more than one pollutant on one unit, you must submit an equation for each pollutant, even if the equations result in the same proposed testing frequency.



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Air Quality Compliance Tracking Coordinator
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St Paul, MN 55154-4194

Part 1. General Information

A) Facility information

Facility name: _____ AQ #: _____
Address: _____ Permit #: _____
City: _____ State: _____ Zip code: _____
Phone: _____ Fax: _____
E-mail address: _____

Business Name (if different): _____ Phone: _____
Address: _____ Fax: _____
City: _____ State: _____ Zip code: _____
E-mail address: _____

B) Facility contact information

Name: _____ Title: _____
Phone: _____ Fax: _____
Email address: _____

Signature: _____ Date: _____

Summary of Directions

- 1) For performance testing frequency of an emission unit (EU), use 2(A). *Example: Boiler 1 (EU001)*
- 2) For performance testing frequency of a control equipment (CE) item, use 2(B). *Example RTO#2 (CE002)*
- 3) Please clearly fill in the equations including the calculated result.
 - a) Make sure units (e.g. lb/hr) of the emission limit and the units of the results from the performance test match.
 - b) If compliance has been demonstrated with more than one limit for a given unit and pollutant, choose the testing frequency that results in the more stringent testing frequency.
 - c) If a test frequency plan for more than one pollutant for a given unit is required, please complete an equation for each result for each pollutant.

Note: The MPCA reserves the right to deviate from the performance test frequency guidance.

Part 2. Proposed Performance Testing Frequency

A) Testing frequency for an emission unit

Emission unit (EU)	Test date	Pollutant tested	Applicable limit	Test result

EU testing frequency equation	Calculation	Results
$\frac{\text{Testing result}}{\text{Limit}} \times 100 = \text{Test result as percent of limit (\%)}$	$\text{_____} \times 100 = \text{___ \%}$	___ \%

Proposed Testing Frequency

<input type="checkbox"/> Performance test due every 12 months	Test results \geq 90 percent of limit
<input type="checkbox"/> Performance test due every 36 months	60 percent \leq of test results < 90 percent of limit
<input type="checkbox"/> Performance test due every 60 months	Test results < 60 percent of limit

Comments: _____

B) Testing Frequency for control equipment

Control equipment (CE)	Test date	Pollutant Tested	Applicable limit	Test result

CE testing frequency equation	Calculation	Results
$\frac{100 - \text{Test Result}}{100 - \text{Limit}} \times 100 = \text{Test result as percent of limit (\%)}$	$\text{_____} \times 100 = \text{___ \%}$	___ \%

Proposed testing frequency

<input type="checkbox"/> Performance test due every 12 months	Test results \geq 90 percent of limit
<input type="checkbox"/> Performance test due every 36 months	60 percent \leq of test results < 90 percent of limit
<input type="checkbox"/> Performance test due every 60 months	Test results < 60 percent of limit

Comments: _____

The MPCA reserves the right to deviate from the performance test frequency guidance.

For additional testing frequencies, you may fill out additional "Part 2: Proposed Performance Test Frequency" forms (pg 2 of this form).

Additional information, including performance testing forms, may be found at: <http://www.pca.state.mn.us/air/performance/test.html>.