

EXAMPLE: TEST PLAN FOR OPACITY AT CRUSHING AND CONVEYING SOURCES

Proposed test date(s):

(Test plan postmark or e-mail date submittal date triggers 30 day notification period)

PART I. GENERAL INFORMATION

1. Name and street address of emission facility:

If company cannot receive mail at the street address, a mailing address should also be indicated.

Name, Title, Telephone and Facsimile number and e-mail address of contact person at emission facility:

This one person will receive correspondence & participate in the pretest meeting. They should be knowledgeable about the emission unit being tested, and be able to relay operating and documentation requirements to appropriate company staff.

2. Permit File Number:

AQ File Number:

3. Reason the emission unit(s) is (are) to be tested:

(Performance test to demonstrate compliance with: Permit No, Stipulation Agreement dated xx/xx/xx, Administrative Penalty Order dated xx/xx/xx, Notice of Noncompliance Dated xx/xx/xx, Notice of Indeterminate Compliance dated xx/xx/xx, or refer to the Test Plan cover sheets for other types of test classifications. Please be as descriptive as possible to ensure your test plan is reviewed accurately.) Note that, in all cases, retests following noncompliance or indeterminate compliance tests should be indicated as Retest # (1, 2, etc.) where applicable.

4. Physical layout of the emission unit(s) to be tested:

Drawings showing the location of crushers, screens, conveyors and related equipment must be submitted as a part of this test plan.

5. Physical location of the emission unit(s) to be tested:

Provide a detailed description if this is a portable unit e.g. town, road, etc. Indicate whether the equipment is permanent or temporary.

6. Name of Independent Testing Company, contact person and telephone number:

PART II. TESTING REQUIREMENTS

The following is a description of the Pollutant(s) to be tested, and the applicable emission limit(s), and the applicable rule(s) or regulation(s) for each emission limit:

Emission Unit No.	Limitation Basis of Pollutant Tested	Pollutant Tested and Applicable Emission Limit	Specific Methods/Procedures Required Citation:
<i>System #01Crusher & Conveyor #01</i>	<i>40 CFR 60, Subp. 000 (list applicable citation)</i>	<i>Opacity: X% (list specific pollutant and applicable limit)</i>	<i>40 CFR §60.675 (list specific citation)</i>

Operating Data to be recorded during the Test: Operating conditions of each source tested and its associated pollution control equipment will be documented in the test report. Documentation of operating conditions includes all parameters listed in Part III.

No test report will be accepted without complete documentation of process conditions during the test.

PART III. OPERATING CONDITIONS

(Read the italicized section below for examples of parameters that need to be considered for process/operating conditions. Refer to the Test Plan cover sheets for examples of parameters to be monitored for air pollution control equipment.)

1. The following contains a detailed description of the emission unit(s) to be tested: Detailed descriptions of record keeping that include the specific time interval, and other parameters listed that will determine production, operating capacity, and/or operating conditions during testing are also included:

System No. 01: Crusher and Conveyor No. 01

<p>Process Equipment Description for units to be tested: <i>Type of equipment, mfr. & model, rated capacity, fuel type</i></p>
<p>Process Equipment Parameter Monitoring During Performance Test: Process Rates/Operating Conditions During Testing: <i>Specify operating conditions at the time of the test for each source being tested. Specify if the source has to be tested under more than one combination of operating conditions. Consider the following for monitoring:</i></p> <ol style="list-style-type: none"> 1. any physical parameters 2. any chemical parameters 3. any process rates-raw material input, <p><i>Include specific parameter and time interval for documentation (Refer to the Test Plan cover sheets for examples). Be sure to indicate relevant information for each item. These are important considerations for worst case conditions. If any are applicable, explain what the proposed operating conditions and documentation that pertain to these are. Think about the unit tested and what the company is capable of monitoring. Always list the unit of measure as well as the time interval the company will present process/operating rates at. These must be summarized for each run.</i></p>
<p>Control Equipment Description: <i>Type of equipment, mfr. & model, operating ranges required by permit or mfr. recommended</i></p>
<p>Control Equipment Operating Parameter During Test: <i>Include specific parameter and time interval for documentation (Refer to the Test Plan cover sheets for examples)</i></p>

2. For each process unit listed in Part III, Item 1, the normal range of process or operating rates for each emission unit are listed below. The proposed test conditions listed in Part III, Item 1, are considered worst case in accordance with Minn. R. 7017.2025, subpart 2 as indicated below:

System No. 01: Crusher and Conveyor No. 01

Normal Range of Process or Operating Rates	Rationale For Worst Case

PART IV. TEST METHODS

1. The following is a description of the methods, number of test runs and length of test runs for each pollutant:

This listing does not include all acceptable methods, or all pollutants the company may be required to test for, it is merely an example. Specific information for this section should be obtained from the permit, applicable regulations, and the testing company. The following is an example of the format to be used. Discuss this section with the testing company selected before submitting the test plan.

- A. EPA Method 9 as amended by Minn. R. 7017.2060 for visual determination of opacity. One hour of observation per run. If this is an initial compliance test subject to NSPS regulations, then three one-hour runs of opacity are required.

IMPORTANT NOTE: Opacity testing on dust emissions from crushers, conveyors and similar equipment during or immediately following snow fall or rain does not constitute representative or worst case test conditions in most cases as this will increase the moisture content of the material processed.

2. If any alternative or equivalent methods are proposed, include a summary of the reasons for the proposal. If it is not applicable delete items 2 and 3.
3. For a non-reference test method, include a statement of the detection limit and the degree of accuracy of that method at the expected emission rate and under the conditions of the performance test.

PART V. Continuous Emissions Monitoring (CEM) - Not Applicable

PART VI. OTHER - For each process unit to be tested the following are specified:

1. Testing schedule:

If testing will consist of several sources, please format them as follows:

01/25/95	01/26/95	01/27/95
Wednesday	Thursday	Friday
Jaw Crusher and Six Conveyors	Remaining Conveyors and Screen	Reserved for delays due to bad weather, etc.

2. Description and date of last maintenance work done before the test:
No major rehabilitation or cleaning before the test other than normal maintenance operation done on a routine basis will be conducted before testing. A description of any maintenance work done before the test and the normal schedule followed will be included as part of the report.
3. One complete test report (one hard copy) shall be submitted within 45 days after the date of the test. A copy of the microfiche or CD report shall be submitted within 105 days after the date of the test.
If different time frames are specified in the permit or other compliance document, modify as appropriate.
4. Test Plans, Hard Copy Reports, and CD or Microfiche Copy submittals will be addressed to: Compliance Tracking Coordinator, Compliance and Enforcement Section, Industrial Division, Minnesota Pollution Control Agency, 520 Lafayette Road, St. Paul, Minnesota 55155-4194