



**Minnesota Pollution
Control Agency**

520 Lafayette Road
St. Paul, MN 55155-4194

Hot Mix Asphalt Plants Compliance Audit

Throughput Limit/Performance Tests

Environmental Audits

Minnesota Pollution Control Agency (MPCA) compliance audit checklists are designed to assist businesses and MPCA staff with the interpretation of Minnesota's environmental laws and rules. Because the laws and rules are numerous and often complicated, this checklist cannot be a complete guide to all your compliance obligations. If you have questions about the checklist, your obligations, or its conditions that you discover as you complete this evaluation, please contact:

Small Business Environmental Assistance Program (SBEAP)

651-282-6143 or 1-800-657-3938

<http://www.pca.state.mn.us/programs/sbap-sectors.html>

Date of Audit: _____

Company Name: _____

Authorized
Representative Name: _____ Title: _____

Operational Limitations From Performance (Stack) Tests - Minn. R. 7011.0922

Throughput limit

The owner or operator of a hot mix asphalt (HMA) plant must not exceed the production throughput at which compliance was demonstrated during the plant's most recent performance test.

1. As the owner or operator of a HMA plant did you or do you currently exceed the production throughput at which compliance was demonstrated during the plant's most recent performance test?

- ☐ **YES** We do exceed the production throughput at which compliance was demonstrated during the plant's most recent performance test. *This is a deviation and must be recorded on the DRF-2 form.* Continue on to the next question.
- ☐ **NO** We do not exceed the production throughput at which compliance was demonstrated during the plant's most recent performance test. Continue on to the next question.

NOTE: You may qualify for a 10 percent, 15 percent, or 20 percent production increase depending on the results of your performance test. Be sure to review the exceptions rule stated below.

Certain exceptions to throughput limit— Minn. R. 7011.0922, subp. 2

If a HMA plant demonstrated compliance for particulate matter and opacity during its most recent performance test and its tested emission rate (gr/dscf or lb/hr) was less than 80 percent of the applicable rule or permit emission limit, then the owner or operator (with MPCA approval) may increase production throughput by 10 percent.

2. Did you demonstrate compliance for particulate matter and opacity during your last performance test and was your tested emission rate (gr/dscf or lb/hr) less than 80 percent of the applicable rule or permit emission limit?

NOTE: If the HMA owner or operator has not conducted a performance test for particulate and opacity (most likely on the baghouse or scrubber) since January 1991 this testing must be completed as required by Minn. R. 7017.2001 to 7017.2060. The performance test plan can be found at: <http://www.pca.state.mn.us/publications/forms/aq-f7-ptp-ex04.doc>.

- ☐ **YES** Our HMA plant did demonstrate compliance for particulate matter and opacity during our last performance test and was your tested emission rate less than 80 percent of the applicable rule or permit emission limit. You may increase production throughput by 10 percent. Continue on to the next question.
- ☐ **NO** Our HMA plant **did not** demonstrate compliance for particulate matter and/or opacity during our last performance test. *This is a deviation and must be recorded on the DRF-2 form.* Continue on to Subp. 3

If a hot mix asphalt plant with a fabric filter control device has conducted a performance test since January 1, 1991, that has demonstrated compliance for particulate matter and opacity, and its tested emission rate (gr/dscf or lb/hr) was less than 50 percent but greater than or equal to 25 percent of the applicable rule or permit emission limit, then the owner or operator may increase production throughput 15 percent over that allowed under subp.1.

3. Did your asphalt plant with a fabric filter conduct a performance test since January 1, 1991, that has demonstrated compliance for particulate matter and opacity, and its tested emission rate was less than 50 percent but greater than or equal to 25 percent of the applicable rule or permit emission limit?

- ☐ **YES** Our HMA plant did demonstrate compliance for particulate matter and opacity during our last performance test and our tested emission rate was less than 50 percent but greater than or equal to 25 percent applicable rule or permit emission limit. We may increase our production throughput by 15 percent. Go on to the next question.
- ☐ **NO** Our HMA plant **did** not demonstrate compliance for particulate matter and/or opacity during our last performance test. *This is a deviation and must be recorded on the DRF-2 form.* Continue on to the next question.

If a hot mix asphalt plant with a fabric filter baghouse control device has conducted a performance test since January 1, 1991, has demonstrated compliance for particulate matter and opacity, and its tested emission rate (gr/dscf or lb/hr) was less than 25 percent of the applicable rule or permit emission limit, then the owner or operator may increase production throughput 20 percent over that allowed by subpart 1.

4. Did your asphalt plant conduct a performance test since January 1, 1991, and demonstrate compliance for particulate matter and opacity, and its tested emission rate was less than 25 percent of the applicable rule or permit emission limit?

- ☐ **YES** Our HMA plant did demonstrate compliance for particulate matter and opacity during our last performance test. Go on to the next question.
- ☐ **NO** Our asphalt plant did not demonstrate compliance for particulate matter and/or opacity during our last performance test. *This is a deviation and must be recorded on the DRF-2 form.* Continue on to Subp. 3.

Subp. 3. **Monitoring and record keeping required.** To determine compliance with the production throughput limit the owner or operator of a hot mix asphalt plant must:

A. Operate an Accumulating Hour Meter on the dryer burner at all times the dryer burner is in operation.

5. Have you installed an Accumulating Hour Meter on the dryer and are you operating it at all times that the asphalt dryer burner is operating?

- ☐ **YES** We have installed an Accumulating Hour Meter on the dryer and are operating it at all times that the asphalt dryer burner is operating. Continue on to the next question.
- ☐ **NO** We have not installed an Accumulating Hour Meter on the dryer. *This is a deviation and must be recorded on the DRF-2 form.* Continue on to the next question.

B. Record each day the plant's hours of operation as determined by the hour meter and total tons of HMA produced.

6. Do you record each day the plant's hours of operation as determined by the hour meter and total tons of HMA produced?

- ☐ **YES** We do record each day the plant's hours of operation as determined by the hour meter and also record the total tons of HMA produced. Continue on to the next question
- ☐ **NO** We do not record each day the plant's hours of operation as determined by the hour meter and do not record the total tons of HMA produced. *This is a deviation and must be recorded on the DRF-2 form.* Continue on to the next question.

C. Determine our HMA plant production throughput by dividing the total tons of HMA produced by the hours of operation for each calendar day of operation.

7. Do you determine the plant production throughput by dividing the total tons of HMA produced by the hours of operation for each calendar day of operation?

- ☐ **YES** We do determine our HMA plant production throughput by dividing the total tons of HMA produced by the hours of operation for each calendar day of operation. Continue on to the next question.
- ☐ **NO** We do not determine our HMA plant production throughput by dividing the total tons of HMA produced by the hours of operation for each calendar day of operation. *This is a deviation and must be recorded on the DRF-2 form.* Continue on to the next question.

HMA plant relocation

Submit to the MPCA the required NM-RE Relocation form each time and 48 hours prior to your portable HMA plant being relocated to a new or different site.

8. Do you submit to the MPCA the required NM-RE Relocation form each time and 48 hours prior to your portable HMA plant being relocated to a new or different site?

- ☐ **YES** We do submit the required NM-RE Relocation form each time our portable HMA plant is relocated to a new or different site. This checklist is complete.
- ☐ **NO** We do not submit the required NM-RE Relocation form each time our portable HMA plant is relocated to a new or different site. *This is a deviation and must be recorded on the DRF-2 form.* This checklist is complete.

NOTE: The proper NM-RE form can be located at: <http://www.pca.state.mn.us/publications/forms/aq-f4-nmre.doc>.