

7011.0917 ASPHALT PLANT CONTROL EQUIPMENT REQUIREMENTS.

Subpart 1. **Operation of asphalt plant control equipment.** The owner or operator of a hot mix asphalt plant shall operate in compliance with this part all asphalt plant control equipment located at the stationary source whenever operating the emission units controlled by the asphalt plant control equipment. Unless specifically allowed by a part 70, state, or general permit, each piece of asphalt plant control equipment shall at all times be operated such that the monitoring parameters listed in subpart 7 are in the range established by the control equipment manufacturer's specifications, or within the operating parameters established by the commissioner as the result of the most recent performance test conducted under parts 7017.2001 to 7017.2060, if those are more restrictive.

The owner or operator applying for a registration permit or capped permit may request an alternative range to the control equipment manufacturer's specifications, if the proposed range is based on two previous years of compliant monitoring data supplied with the request. For hot mix asphalt plants applying for a registration permit in operation on April 22, 1996, this request shall be made by the application deadline listed in part 7007.0350, subpart 1, item A. The proposed operating range shall be deemed acceptable unless notified otherwise in writing within 30 days of receipt by the commissioner. The commissioner shall deny a request for an alternative monitoring parameter range if the commissioner finds that:

A. an owner or operator has failed to disclose fully all facts relevant to the proposed monitoring parameter range of the asphalt plant control device or the owner or operator has knowingly submitted false or misleading information to the agency;

B. operation of the control device in the monitoring parameter range proposed by the owner or operator would endanger human health or the environment, or subject the hot mix asphalt plant to different applicable requirements or requirements under chapter 7007; or

C. the proposed range is not supported by the data supplied with the request.

Subp. 2. **Maintenance of asphalt plant control equipment.** The owner or operator of a hot mix asphalt plant shall maintain each piece of asphalt plant control equipment as designed to ensure compliance with applicable requirements, comply with source-specific maintenance requirements specified in a part 70, state, or general permit, and shall perform the following on each piece of asphalt plant control equipment unless otherwise specified in a part 70, state, or general permit:

A. thoroughly inspect all asphalt plant control equipment, including structural components, annually;

B. inspect ducts, connections, and housings for leaks monthly;

C. check monitoring equipment daily to ensure it is operating in the range required by subpart 1, for example: pressure gauges, temperature indicators, flow gauges, and recorders;

D. calibrate all monitoring equipment annually;

E. for fabric filter control devices: check exterior cleaning system equipment and its operation daily; and check interior cleaning equipment and its operation, and the clean air side of bags for evidence of leaks at least monthly; and

F. for control devices using water such as spray towers, scrubbers, and wet cyclone separators: check sediment level in non-self-cleaning ponds daily so as not to exceed one-half the pond depth, and check to ensure the pH of the water leaving the control device is between five and ten weekly; and check accessible dampers, spray bars, nozzles, and demister monthly for wear.

The owner or operator shall maintain a record of activities conducted in items A to F, consisting of the activity completed, the date the activity was completed, and any corrective action taken; and the owner or operator shall maintain the records required by this subpart for a minimum of five years from the date the record was made.

Subp. 3. **Installation of monitoring equipment.** The owner or operator of a hot mix asphalt plant shall install monitoring equipment to measure operating hours as specified in part 7011.0922, subpart 3, and the monitoring parameters for all asphalt plant control equipment as specified by subpart 7. For hot mix asphalt plants not in operation on April 22, 1996, the monitoring equipment must be installed prior to operation of any hot mix asphalt plant equipment controlled by the control equipment. For hot mix asphalt plants in operation on April 22, 1996, the owner or operator must install monitoring equipment no later than 30 days after April 22, 1996.

Subp. 4. **Operation of monitoring equipment.** The owner or operator of a hot mix asphalt plant shall operate in compliance with this part the monitoring equipment for each piece of asphalt plant control equipment at all times the asphalt plant control equipment is required to operate.

Subp. 5. **Shutdown and breakdown procedures.** In the event of a shutdown or breakdown of asphalt plant control equipment, the owner or operator of a hot mix asphalt plant shall comply with part 7019.1000.

Subp. 6. **Deviation of asphalt plant control equipment from operating specifications.** Unless otherwise specified in a part 70, state, or general permit, the owner or operator of a stationary source shall report to the commissioner any recorded reading outside of the specification or range of specifications allowed by subpart 1 from any monitored operating parameter required by subpart 7, in accordance with the deadlines in part 7007.0800, subpart 6, item A, subitem (2), except that owners and operators with

a registration permit option D or capped permit shall make this report only if a deviation occurred in the reporting period.

Subp. 7. **Monitoring and record keeping for asphalt plant control equipment.** Unless otherwise specified in a part 70, state, or general permit, the owner or operator of a hot mix asphalt plant shall comply with the monitoring and record keeping required by the table in this subpart for asphalt plant control equipment. The owner or operator shall maintain the records required by this subpart for a minimum of five years from the date the record was made.

EPA ID NO.	POLLUTION CONTROL EQUIPMENT TYPE	MONITORING PARAMETERS	RECORD KEEPING REQUIREMENT
001, 002, 003	"Miscellaneous Wet Scrubber" means a control device in which the particulates in the incoming gas stream are entrained by a liquid and the control device is not a spray tower, venturi scrubber, impingement plate scrubber, or a wet cyclone separator.	Pressure drop, liquid flow rate, and water pressure	Record each parameter every calendar day of operation
016	"Fabric Filter" (Bag House) means a control device in which the incoming gas stream passes through a porous fabric filter forming a dust cake.	Pressure drop	Record every calendar day of operation
052	"Spray Tower" means a control device in which the incoming gas stream passes through a chamber in which it contacts a liquid spray.	Liquid flow rate, pressure drop, and water pressure	Record each parameter every calendar day of operation
053	"Venturi Scrubber" means a control device in which the incoming gas stream passes through a venturi into which low pressure liquid is introduced.	Pressure drop, liquid flow rate, and water pressure	Record each parameter every calendar day of operation

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| 055 | "Impingement Plate Scrubber" means a control device in which the incoming gas stream passes a liquid spray and is then directed at high velocity into a plate. | Pressure drop, liquid flow rate, and water pressure | Record each parameter every calendar day of operation |
| 085 | "Wet Cyclone Separator" or "Cyclonic Scrubbers" means a cyclonic device that sprays water into a cyclone. | Pressure drop, water pressure, and water flow rate | Record each parameter every calendar day of operation |
| 019 | "Afterburners" (thermal or catalytic oxidation) means a device used to reduce VOC's to the products of combustion through thermal (high temperature) oxidation or catalytic (use of a catalyst) oxidation in a combustion chamber. | Combustion temperature or inlet and outlet temperatures | Continuous hard copy readout of temperatures or manual readings every 15 minutes of operation |

Statutory Authority: *MS s 116.07*

History: *20 SR 2253(NO. 42); 22 SR 1237; 29 SR 626*

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