

**CONSOLIDATION OF R.R.N.W.T. 1990, c. E-23 ASPHALT PAVING INDUSTRY  
EMISSION REGULATIONS**

AS AMENDED BY:

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# **ASPHALT PAVING INDUSTRY EMISSION REGULATIONS**

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**ENVIRONMENTAL PROTECTION ACT**  
**ASPHALT PAVING INDUSTRY EMISSION REGULATIONS**

1. In these regulations,

"asphalt paving plant" means any plant or any part of a plant in which asphalt concrete is produced by heating and drying aggregate and mixing with asphalt cement;

"normal cubic metre" means the quantity of gas occupying a volume of one (1) m<sup>3</sup> at 25E C and at an atmospheric pressure of 760 mm of mercury.

"opacity" means the degree to which the transmission of light is reduced;

"particulate matter" means any finely divided liquid or solid material other than water droplets;

"undiluted" means a measurement that does not include air or other gases that have been added as dilutants;

**Emissions**

2. (1) The emission of pollutants into the ambient air as a consequence of the normal operation of an asphalt paving plant shall not exceed:
- (2) 0.23 g of particulate matter for each normal cubic metre of dry and undiluted exhaust gases, measured by the methods described in the Department of Fisheries and the Environment publication EPS-1-AP-74-1, entitled *Standard Reference Methods for Source Testing: Measurement of Emission of Particulates from Stationary Sources*;
- (a) an opacity of 20%, measured by the methods described in the Department of Fisheries and the Environment publication EPS-1-AP-75-2 entitled *Standard Reference Methods for Source Testing: Measurement of Opacity of Emissions from Stationary Sources*; or
- (b) such other standards as may be specified in writing by the Commissioner in respect of any particular asphalt paving plant.

- (3) Notwithstanding subsection (1), the emissions from an asphalt paving plant may exceed an opacity of 20% where the only reason for the excess opacity is the presence of uncombined water in the exhaust gases.
- (4) Notwithstanding subsection (1), the Chief Environmental Protection Officer may direct alternate methods of testing for opacity and the amount of particulate matter.

### **Emission Testing**

- 3. (1) Emission testing shall be carried out in respect of each asphalt paving plant at such times as may be specified by the Chief Environmental Protection Officer.
- (2) Every owner or person in charge of an asphalt paving plant shall carry out emission testing in respect of that plant at the time of every change of operating location and when plant modifications are made which may affect emissions from that plant.
- 4. Every owner, person in charge or other person carrying out an emission test in respect of an asphalt paving plant shall, within 21 days after the date of the test, submit to the Chief Environmental Protection Officer the results of the test in Form 1 of the Schedule.
- 5. Where a malfunction, breakdown or other event occurs that may affect the emissions from an asphalt paving plant, the owner or person in charge of the plant shall, within 21 days, submit to the Chief Environmental Protection Officer a report in Form 2 of the Schedule.
- 6. (1) The Chief Environmental Protection officer may, in his or her discretion, upon written application submitted by the owner or person in charge of an asphalt paving plant, waive the emission testing requirements or any part of the emission testing requirements in respect of any plant for a specified period of time subject to cancellation without notice.
- (2) Before granting a waiver of emission testing in respect of any asphalt paving plant, the Chief Environmental Protection Officer may consider
  - (a) evidence that the plant is not exceeding the emission limits set out in section 2;
  - (b) the nature, quantity and extent of deposition of emissions from the plant;
  - (c) the current plant operating and maintenance procedures;
  - (d) the past record of plant operating performance; and
  - (e) the installed emission control systems of the plant.

Dated at Yellowknife the 15th day of July, 1992

Original Signed by  
Helen Maksagak  
Deputy Commissioner of the Northwest Territories

## SCHEDULE

### FORM 1 EMISSION TESTING RECORD

(Section 4)

COMPANY		
ADDRESS		
TELEPHONE		
MANUFACTURE OF PLANT		
TYPE OF PLANT		SIZE
LOCATION OF PLANT		
DATE OF TEST		

<i>Description</i>	<i>First Sample</i>	<i>Second Sample</i>	<i>Third Sample</i>
- Production of plant in kilograms of asphalt an hour at time of taking sample.			
- Flue gas volume in normal cubic metres a minute at time of taking sample.			
- Concentration of particulate matter in grams for each normal cubic metre at time of taking sample.			
- Observed opacity at time of taking sample.			

Mean Concentration Of Particulate Matter	gm/nm <sup>3</sup>
Mean Opacity	%
Signature Of Person In Charge Of Test	

I CERTIFY THAT THE STATEMENTS AND QUANTITIES LISTED ABOVE ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNATURE OF RESPONSIBLE OFFICER	
TITLE	
DATE	

**FORM 2**  
**MALFUNCTION / BREAKDOWN RECORD**

**(Section 5)**

DURING THE PERIOD OF	19	TO	19
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COMPANY NAME	
ADDRESS	
TELEPHONE	
LOCATION OF PLANT	
MANUFACTURER OF PLANT	
TYPE OF PLANT	
DATE OF OCCURRENCE	
TIME OF OCCURRENCE (MINUTES)	
DURATION OF OCCURRENCE	
PRODUCTION RATE (kg/hr)	
NATURE OF MALFUNCTION OR BREAKDOWN	

I CERTIFY THAT THE STATEMENTS LISTED ABOVE ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNATURE OF RESPONSIBLE COMPANY OFFICER	
TITLE	
DATE	