



Illinois Environmental Protection Agency

Hot Mix Asphalt Plant Data and Information

Illinois Environmental Protection Agency
Bureau of Air – Permit Section (MC 11)
2520 West Iles Ave
P.O. Box 19276
Springfield, IL 62794-9276

Date Form Received:

General Information

Source Name: _____

Source ID Number: _____

CAAPP Permit Number: _____

Environmental Contact Name: _____

Environmental Contact Email: _____

Environmental Contact Phone Number: _____

Type of Hot Mix Asphalt Plant (batch mix, continuous mix, drum mix): _____

Description of Process:

Flow diagram designation of equipment (specify for each emission unit):

Emission Unit(s)	Manufacturer	Model Number	Serial Number

The Illinois EPA is authorized to require, and you must disclose, the requested information on this form pursuant to the Environmental Protection Act (“Act”), 415 ILCS 5/1 et seq., and its implementing regulations. This information shall be provided using either this form or in an alternative manner at your discretion. Failure to disclose the information may result in an incomplete application and other penalties as provided for in the Act, 415 ILCS 5/42-45. Intentional falsification of the information in this form may result in significant criminal and civil penalties as provided by law.

Was the hot mix asphalt plant constructed or modified prior to June 11, 1973?

Yes No

Was the hot mix asphalt plant constructed or modified prior to April 14, 1972?

Yes No

Description of Modification (if applicable):

If the asphalt plant has more than one mode of operation, explain and identify which mode is covered by this form (a separate 234-CAAPP form must be completed for each mode):

Provide the name and designation of air pollution control equipment controlling this hot mix asphalt plant, if applicable (a 260-CAAPP form and appropriate 260-CAAPP addendum form must be completed for each item of air pollution control equipment except any water spray bars):

Provide any limitations on source operation affecting emissions or any work practice standards (e.g., only one unit is operated at a time):

Operating Information

Attach associated calculations and label as Exhibit 234-1.

Operating Hours	Maximum	Typical
Hours Per Day		
Hours Per Week		
Weeks Per Year		

Throughput	Dec-Feb(%)	Mar-May(%)	Jun-Aug(%)	Sep-Nov(%)
Annual Throughput				

Asphalt Plant Usage Information

Attach associated calculations and label as Exhibit 234-1.

Raw Materials	Maximum Rate (lb/hr)	Maximum Rate (tons/year)	Typical Rate (lb/hr)	Typical Rate (tons/year)

Products	Maximum Rate (lb/hr)	Maximum Rate (tons/year)	Typical Rate (lb/hr)	Typical Rate (tons/year)

By-Products	Maximum Rate (lb/hr)	Maximum Rate (tons/year)	Typical Rate (lb/hr)	Typical Rate (tons/year)

Aggregate Dryer or Drum Mixer Information

Maximum Firing Rate (million btu/hr): _____

Typical Firing Rate (million btu/hr): _____

Design Capacity Firing Rate (million btu/hr): _____

Fuel Type:

Natural Gas

Coal

Fuel Oil: Grade Number _____

Other _____

If more than one fuel is used, attach an explanation and label as Exhibit 234-2.

Typical Heat Content of Fuel (Btu/lb, Btu/gal, or Btu/scf): _____

Typical Sulfur Content (WT%, NA for Natural Gas): _____

Typical Ash Content (WT%, NA for Natural Gas): _____

Annual Fuel Usage (specify units, e.g., scf/year, gal/year, ton/year): _____

If combustion emissions are not ducted to the same stack or control as process unit emissions, identify the exhaust point for combustion emissions:

Asphalt Heater Information

Maximum Firing Rate (million btu/hr): _____

Typical Firing Rate (million btu/hr): _____

Design Capacity Firing Rate (million btu/hr): _____

Fuel Type:

Natural Gas

Fuel Oil: grade number _____

Coal

Other _____

If more than one fuel is used, attach an explanation and label as Exhibit 234-3.

Typical Heat Content of Fuel (Btu/lb, Btu/gal, or Btu/scf): _____

Typical Sulfur Content (WT%, NA for Natural Gas): _____

Typical Ash Content (WT%, NA for Natural Gas): _____

Annual Fuel Usage (specify units, e.g., scf/year, gal/year, ton/year): _____

Operating Hours	Maximum	Typical
Hours Per Day		
Hours Per Week		
Weeks Per Year		

Throughput	Dec-Feb(%)	Mar-May(%)	Jun-Aug(%)	Sep-Nov(%)
Annual Throughput				

Applicable Rules

Provide any specific emission standard or limitation, monitoring, testing, recordkeeping, and reporting requirement(s) set by rule(s) which are applicable to this asphalt plant (e.g., PM, Emission Standard, 35 IAC 212.321):

Regulated Air Pollutant	Emission Standard, Monitoring, Testing, Recordkeeping, or Reporting	Requirement Citation

If the asphalt plant qualifies for an exemption from an otherwise applicable rule, then list both the rule from which it is exempt and the rule which allows the exemption. Provide a detailed explanation justifying the exemption. Include detailed supporting data and calculations. Attach and label as Exhibit 234-4, or refer to other attachment(s) which address and justify this exemption.

Compliance Information

If the asphalt plant is not in compliance with all applicable requirements, then the 294-CAAPP form must be completed and submitted with this application.

Explanation of how initial compliance is to be, or was previously, demonstrated:

Explanation of how ongoing compliance will be demonstrated:

Testing, Monitoring, Recordkeeping, and Reporting

List the parameters that relate to air emissions for which records are being maintained to determine fees, rule applicability or compliance:

Operating Parameter to be monitored (e.g. flow rate)			
Method of measurement			
Unit of measurement			
The monitoring frequency			
Description of the location of each monitor (e.g., in stack monitor 3 feet from exit)			
Verification procedures to confirm the operational status of the monitoring			
Method of Recordkeeping (e.g. data logger, manual readings)			

If each monitor is not operated at all times the equipment is in operation, explain:

Provide information on the most recent tests, if any. If additional space is needed, attach and label as exhibit 234-5:

Test Date	Test Method	Testing Company	Operating Conditions	Summary of Results

Describe all reporting requirements and provide the title and frequency of report submittals to the Agency:

Emission Information

Provide the controlled emissions (e.g. the emissions that would result after all control and capture efficacies are accounted for):

Name of Regulated Air Pollutant	Example: Particulate Matter			
Typical Emission Rate (lbs/hr)	4.00			
Maximum Emission Rate (lbs/hr)	5.00			
Typical Emission Rate (ton/year)	14.4			
Maximum Emission Rate (ton/year)	21.9			
Typical Emission Rate Other Terms (ppm, gr/dscf, etc.) _____	0.24 gr/dscf			
Maximum Emission Rate Other Terms (ppm, gr/dscf, etc.) _____	0.3 gr/dscf			
Applicable Rule	35 IAC 212.321			

Hazardous Air Pollutant Emission Information

Provide the controlled HAP emissions (e.g. the emissions that would result after all control and capture efficacies are accounted for):

Name of HAP Emitted	Example: Benzene			
Chemical Abstract Service (CAS) Number	71432			
Typical Emission Rate (lbs/hr)	8.0			
Maximum Emission Rate (lbs/hr)	10.0			
Typical Emission Rate (ton/year)	0.8			
Maximum Emission Rate (ton/year):	1.2			
Typical Emission Rate Other Terms (ppm, gr/dscf, etc.) _____				
Maximum Emission Rate Other Terms (ppm, gr/dscf, etc.) _____				
Applicable Rule	40 CFR 61.302(b), (d)			

Exhaust Point Information

This section should not be completed if emissions are exhausted through air pollution control equipment (form 260-CAAPP and the appropriate 260-CAAPP addendum form must be completed for each item of air pollution control equipment).

Flow Diagram Designation of Exhaust Point: _____

Description of exhaust point (stack, vent, indoors, etc.): _____

If the exhaust point discharges indoors, do not complete the remaining items.

Distance to Nearest Plant Boundary from Exhaust Point Discharge (ft): _____

Discharge Height Above Grade (ft): _____

Good Engineering Practice (GEP) Height, If Known (ft): _____

Diameter of Exhaust Point (ft): _____

For a non-circular exhaust point, the diameter is 1.128 times the square root of the area.

Parameter	Maximum	Typical
Exit Gas Flow Rate (acfm)		
Exit Gas Temperature (degree Fahrenheit)		

Direction of exhaust (vertical, lateral, downward): _____

List all emission units and control devices served by this exhaust point:

Name	Flow Diagram Designation

The following information need only be supplied if readily available.

Latitude: _____

Longitude: _____

UTM Zone: _____

UTM Vertical (KM): _____

UTM Horizontal (KM): _____