



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION
 P.O. BOX 19506
 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE

Revision #: _____
 Date: ____ / ____ / ____
 Page _____ of _____
 Source Designation: _____

HOT MIX ASPHALT PLANT DATA AND INFORMATION	FOR AGENCY USE ONLY
	ID NUMBER:
	EMISSION POINT #:
	DATE:

SOURCE INFORMATION	
1) SOURCE NAME:	
2) DATE FORM PREPARED:	3) SOURCE ID NO. (IF KNOWN):

GENERAL INFORMATION	
4) TYPE OF HOT MIX ASPHALT PLANT (BATCH MIX, CONTINUOUS MIX, OR DRUM MIX):	
5) DESCRIPTION OF PROCESS:	
6) FLOW DIAGRAM DESIGNATION OF EQUIPMENT (SPECIFY FOR EACH EMISSION UNIT):	
7) MANUFACTURER OF EQUIPMENT (SPECIFY FOR EACH EMISSION UNIT):	
8) MODEL NUMBER (GIVE FOR EACH EMISSION UNIT):	9) SERIAL NUMBER (GIVE FOR EACH EMISSION UNIT):
10a) WAS THE HOT MIX ASPHALT PLANT CONSTRUCTED OR MODIFIED PRIOR TO JUNE 11, 1973? <input type="checkbox"/> YES <input type="checkbox"/> NO	
b) IF YES, WAS THE HOT MIX ASPHALT PLANT CONSTRUCTED OR MODIFIED PRIOR TO APRIL 14, 1972? <input type="checkbox"/> YES <input type="checkbox"/> NO	
11) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE _____

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234-CAAPP

FOR APPLICANT'S USE

12) DOES THE ASPHALT PLANT HAVE MORE THAN ONE MODE OF OPERATION? YES NO

IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVERED BY THIS FORM (NOTE: A SEPARATE HOT MIX ASPHALT PLANT FORM 234-CAAPP MUST BE COMPLETED FOR EACH MODE):

13) PROVIDE THE NAME AND DESIGNATION OF AIR POLLUTION CONTROL EQUIPMENT CONTROLLING THIS HOT MIX ASPHALT PLANT, IF APPLICABLE (FORM 260-CAAPP AND THE APPROPRIATE 260-CAAPP ADDENDUM FORM MUST BE COMPLETED FOR EACH ITEM OF AIR POLLUTION CONTROL EQUIPMENT EXCEPT ANY WATER SPRAY BARS):

14) WILL EMISSIONS DURING STARTUP EXCEED EITHER THE ALLOWABLE EMISSION RATE PURSUANT TO A SPECIFIC RULE, OR THE ALLOWABLE EMISSION LIMIT AS ESTABLISHED BY AN EXISTING OR PROPOSED PERMIT CONDITION? YES NO

IF YES, COMPLETE AND ATTACH FORM 203-CAAPP, "REQUEST TO OPERATE WITH EXCESS EMISSIONS DURING STARTUP OF EQUIPMENT".

15) 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

16) ATTACH THE CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSION RELATED, FROM WHICH THE FOLLOWING OPERATING INFORMATION, MATERIAL USAGE INFORMATION AND FUEL USAGE DATA WERE BASED AND LABEL AS EXHIBIT 234-1. REFER TO SPECIAL NOTES OF FORM 202-CAAPP.

17a) MAXIMUM OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	
b) TYPICAL OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	
18) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR-MAY(%):	JUN-AUG(%):	SEP-NOV(%):

ASPHALT PLANT USAGE INFORMATION

19a) RAW MATERIALS	MAXIMUM RATES			TYPICAL RATES		
	LBS/HR	TONS/YEAR		LBS/HR	TONS/YEAR	

19b) PRODUCTS	MAXIMUM RATES		TYPICAL RATES	
	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR

19c) BY-PRODUCT MATERIALS	MAXIMUM RATES		TYPICAL RATES	
	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR

AGGREGATE DRYER OR DRUM MIXER INFORMATION		
20a) MAXIMUM FIRING RATE (MILLION BTU/HR):	b) TYPICAL FIRING RATE (MILLION BTU/HR):	c) DESIGN CAPACITY FIRING RATE (MILLION BTU/HR):
d) FUEL TYPE: <input type="checkbox"/> NATURAL GAS <input type="checkbox"/> FUEL OIL: GRADE NUMBER _____ <input type="checkbox"/> COAL <input type="checkbox"/> OTHER _____ IF MORE THAN ONE FUEL IS USED, ATTACH AN EXPLANATION AND LABEL AS EXHIBIT 234-2.		
e) TYPICAL HEAT CONTENT OF FUEL (BTU/LB, BTU/GAL OR BTU/SCF):	f) TYPICAL SULFUR CONTENT (WT %, NA FOR NATURAL GAS):	
g) TYPICAL ASH CONTENT (WT %, NA FOR NATURAL GAS):	h) ANNUAL FUEL USAGE (SPECIFY UNITS, E.G., SCF/YEAR, GAL/YEAR, TON/YEAR):	
21) ARE COMBUSTION EMISSIONS DUCTED TO THE SAME STACK OR CONTROL AS PROCESS UNIT EMISSIONS?		<input type="checkbox"/> YES <input type="checkbox"/> NO
IF NO, IDENTIFY THE EXHAUST POINT FOR COMBUSTION EMISSIONS:		

ASPHALT HEATER INFORMATION

24a) MAXIMUM FIRING RATE (MILLION BTU/HR):	b) TYPICAL FIRING RATE (MILLION BTU/HR):	c) DESIGN CAPACITY FIRING RATE (MILLION BTU/HR):		
d) FUEL TYPE: <input type="checkbox"/> NATURAL GAS <input type="checkbox"/> FUEL OIL: GRADE NUMBER _____ <input type="checkbox"/> COAL <input type="checkbox"/> OTHER _____ IF MORE THAN ONE FUEL IS USED, ATTACH AN EXPLANATION AND LABEL AS EXHIBIT 234-3.				
e) TYPICAL HEAT CONTENT OF FUEL (BTU/LB, BTU/GAL OR BTU/SCF):	f) TYPICAL SULFUR CONTENT (WT %, NA FOR NATURAL GAS):			
g) ANNUAL FUEL USAGE (SPECIFY UNITS, E.G., SCF/YEAR, GAL/YEAR, TON/YEAR):	h) TYPICAL ASH CONTENT (WT %, NA FOR NATURAL GAS):			
25a) MAXIMUM OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	
b) TYPICAL OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	
26) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR-MAY(%):	JUN-AUG(%):	SEP-NOV(%):

APPLICABLE RULES

ANY ASPHALT PLANT THAT COMMENCES CONSTRUCTION OR MODIFICATION AFTER JUNE 11, 1973, IS SUBJECT TO NEW SOURCE PERFORMANCE STANDARDS (NSPS) SUBPART I FOR HOT MIX ASPHALT PLANT FACILITIES. EXISTING (PRIOR TO APRIL 14, 1972) ASPHALT PLANTS ARE SUBJECT TO SECTION 212.322. NEW (AFTER APRIL 14, 1972) ASPHALT PLANTS ARE SUBJECT TO SECTION 212.321.

27) PROVIDE ANY SPECIFIC EMISSION STANDARD(S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE APPLICABLE TO THIS ASPHALT PLANT (E.G., PART. MATTER, IAC 212.321, <= 62 LBS/HR):

REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)

28) PROVIDE ANY SPECIFIC RECORDKEEPING RULE(S) WHICH ARE APPLICABLE TO THIS ASPHALT PLANT:

REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)

29) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH ARE APPLICABLE TO THIS ASPHALT PLANT:

REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)

30) PROVIDE ANY SPECIFIC MONITORING RULE(S) WHICH ARE APPLICABLE TO THIS ASPHALT PLANT:

REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)

31) PROVIDE ANY SPECIFIC TESTING RULES AND/OR PROCEDURES WHICH ARE APPLICABLE TO THIS ASPHALT PLANT:

REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)

32) DOES THE ASPHALT PLANT QUALIFY FOR AN EXEMPTION FROM ANY RULE? YES NO

IF YES, 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 ATTACHMENTS WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.

COMPLIANCE INFORMATION

33) IS THE ASPHALT PLANT IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS?: YES NO

IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE -- ADDENDUM FOR NONCOMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMITTED WITH THIS APPLICATION.

34) EXPLANATION OF HOW INITIAL COMPLIANCE IS TO BE, OR WAS PREVIOUSLY, DEMONSTRATED:

35) EXPLANATION OF HOW ONGOING COMPLIANCE WILL BE DEMONSTRATED:

TESTING, MONITORING, RECORDKEEPING AND REPORTING

36a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED (E.G., TONS OF ASPHALT) TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):

PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	FREQUENCY

b) BRIEFLY DESCRIBE THE METHOD BY WHICH RECORDS WILL BE CREATED AND MAINTAINED. FOR EACH RECORDED PARAMETER INCLUDE THE METHOD OF RECORDKEEPING, TITLE OF PERSON RESPONSIBLE FOR RECORDKEEPING, AND TITLE OF PERSON TO CONTACT FOR REVIEW OF RECORDS:

PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON

c) IS COMPLIANCE OF THE EMISSION UNIT READILY DEMONSTRATED BY REVIEW OF THE RECORDS? YES NO

IF NO, EXPLAIN:

d) ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND SUBMITTAL TO THE AGENCY UPON REQUEST? YES NO

IF NO, EXPLAIN:

37a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE:

b) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., DRYER TEMPERATURE)?

c) DESCRIBE THE LOCATION OF EACH MONITOR:

d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE? YES NO
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:

e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS? YES NO
IF NO, EXPLAIN:

f) IS EACH MONITOR OPERATED AT ALL TIMES THE ASSOCIATED EMISSION UNIT IS IN OPERATION? YES NO
IF NO, EXPLAIN:

38) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE RESULTS ARE USED FOR PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE TEST DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS EXISTING DURING THE TEST AND A SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 234-5:

TEST DATE	TEST METHOD	TESTING COMPANY	OPERATING CONDITIONS	SUMMARY OF RESULTS

39) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQUENCY OF REPORT SUBMITTALS TO THE AGENCY:

REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY

(40) EMISSION INFORMATION

REGULATED AIR POLLUTANT		<input type="checkbox"/> ¹ ACTUAL EMISSION RATE <input type="checkbox"/> ¹ UNCONTROLLED EMISSION RATE				ALLOWABLE BY RULE EMISSION RATE			² PERMITTED EMISSION RATE		
		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	³ OTHER TERMS	⁴ DM	⁵ RATE (UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON MONOXIDE (CO)	MAXIMUM:										
	TYPICAL:										
LEAD	MAXIMUM:										
	TYPICAL:										
NITROGEN OXIDES (NO _x)	MAXIMUM:										
	TYPICAL:										
PARTICULATE MATTER (PART)	MAXIMUM:										
	TYPICAL:										
PARTICULATE MATTER <= 10 MICROMETERS (PM10)	MAXIMUM:										
	TYPICAL:										
SULFUR DIOXIDE (SO ₂)	MAXIMUM:										
	TYPICAL:										
VOLATILE ORGANIC MATERIAL (VOM)	MAXIMUM:										
	TYPICAL:										
OTHER, SPECIFY:	MAXIMUM:										
	TYPICAL:										
EXAMPLE: PARTICULATE MATTER	MAXIMUM:	5.00	21.9	0.3 GR/DSCF		1	6.0 (LBS/HR)	212.321	26.28	5.5 LBS/HR	22
	TYPICAL:	4.00	14.4	0.24 GR/DSCF		4	5.5 (LBS/HR)	212.321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 232-6.

¹CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.

²PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

³PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

⁴DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)

⁵RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

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(41) HAZARDOUS AIR POLLUTANT EMISSION INFORMATION

HAP INFORMATION		<input type="checkbox"/> ¹ ACTUAL EMISSION RATE <input type="checkbox"/> ¹ UNCONTROLLED EMISSION RATE				ALLOWABLE BY RULE	
NAME OF HAP EMITTED	² CAS NUMBER	POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	⁴ DM	⁵ RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
		TYPICAL:					
		MAXIMUM:					
		TYPICAL:					
<i>EXAMPLE:</i> <i>Benzene</i>	<i>71432</i>	MAXIMUM:	<i>10.0</i>	<i>1.2</i>		<i>2</i>	
		TYPICAL:	<i>8.0</i>	<i>0.8</i>		<i>2</i>	
						<i>98% by wt control device leak-tight trucks</i>	<i>CFR 61 61.302(b),(d)</i>

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 232-7.

¹PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.
²CAS - CHEMICAL ABSTRACT SERVICE NUMBER.
³PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).
⁴DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).
⁵RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

EXHAUST POINT INFORMATION

THIS SECTION SHOULD NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.

42) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT:

43) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.

44) DISTANCE TO NEAREST PLANT BOUNDARY FROM EXHAUST POINT DISCHARGE (FT):

45) DISCHARGE HEIGHT ABOVE GRADE (FT):

46) GOOD ENGINEERING PRACTICE (GEP) HEIGHT, IF KNOWN (FT):

47) DIAMETER OF EXHAUST POINT (FT): NOTE: FOR A NON CIRCULAR EXHAUST POINT, THE DIAMETER IS 1.128 TIMES THE SQUARE ROOT OF THE AREA.

48) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM):	b) TYPICAL (ACFM):
49) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):	b) TYPICAL (°F):

50) DIRECTION OF EXHAUST (VERTICAL, LATERAL, DOWNWARD):

51) LIST ALL EMISSION UNITS AND CONTROL DEVICES SERVED BY THIS EXHAUST POINT:

NAME	FLOW DIAGRAM DESIGNATION
a)	
b)	
c)	
d)	
e)	

THE FOLLOWING INFORMATION NEED ONLY BE SUPPLIED IF READILY AVAILABLE.

52a) LATITUDE:	b) LONGITUDE:	
53) UTM ZONE:	b) UTM VERTICAL (KM):	c) UTM HORIZONTAL (KM):