



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: \_\_\_\_\_

<b>SUPPLEMENTAL FORM          GRAIN HANDLING AND          GRAIN DRYING EMISSION          CALCULATION SHEET</b>	<b>FOR AGENCY USE ONLY</b>
	ID NUMBER:
	EMISSION POINT #:
DATE:	

THIS FORM MUST BE USED FOR EACH INDIVIDUAL EMISSION UNIT AT THE GRAIN HANDLING AND/OR GRAIN DRYING FACILITY. THE TOTAL PARTICULATE MATTER AND PM10 EMISSIONS FROM ALL EMISSION UNITS SHOULD BE ENTERED ON THE EMISSION INFORMATION TABLE ON PAGE 5 OF FORM 236-CAAPP.

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

<b>DATA AND INFORMATION</b>
4) EMISSION UNIT NAME:
5) FLOW DIAGRAM DESIGNATION:

<b>TESTING, MONITORING, RECORDKEEPING AND REPORTING</b>			
6a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY AND/OR COMPLIANCE, 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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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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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 236A-CAAPP

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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/OR SUBMITTAL TO THE AGENCY UPON REQUEST?  YES  NO

IF NO, EXPLAIN:

7a) DESCRIBE ANY EMISSION MONITORS USED, INCLUDING ANY OPACITY ANALYZERS:

b) WHAT OPERATING PARAMETER(S) IS(ARE) BEING MONITORED (E.G., FUEL THROUGHPUT)?

c) DESCRIBE THE LOCATION OF EACH MONITOR:

d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?

IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:

YES

NO

e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS?

IF NO, EXPLAIN:

YES

NO

f) IS EACH MONITOR OPERATED AT ALL TIMES THE ASSOCIATED EMISSION UNIT IS IN OPERATION?

IF NO, EXPLAIN:

YES

NO

8) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE RESULTS ARE USED FOR PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY AND/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 220-4:

TEST DATE	TEST METHOD	TESTING COMPANY	OPERATING CONDITIONS	SUMMARY OF RESULTS

9) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQUENCY OF REPORT

REPORTING REQUIREMENTS	TITLE OF REPORT	

**OPERATING INFORMATION**

10) EMISSION UNIT OPERATING RATE (BUSHELS/HOUR)	MAXIMUM		TYPICAL	
11) CONTROL EQUIPMENT EFFICIENCY (%- FROM 260-CAAPP)	MAXIMUM		TYPICAL	
12a) MAXIMUM OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	
b) TYPICAL OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:	
13) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR-MAY(%):	JUN-AUG(%):	SEP-NOV(%):

**EMISSION CALCULATIONS**

EMISSIONS = (EMIS. FACTOR)x(OPER. RATE)x(HRS PER YR)x(\*RATIO PROCESSED)x(1-(% CONTROL EFF./100))x(0.03 TONS/BUSHEL)

14a) TOTAL PARTICULATE:

$$\text{MAXIMUM EMISSIONS} = \frac{\text{EMIS FACT}}{\text{EMIS FACT}} \times \frac{\text{OPER RATE}}{\text{OPER RATE}} \times \frac{\text{HRS/YR}}{\text{HRS/YR}} \times \frac{\text{*RATIO PRO.}}{\text{*RATIO PRO.}} \times \left(1 - \left(\frac{\text{\% CONT. EFF.}}{100}\right)\right) \times .03$$

$$= \text{_____ TONS/ YEAR}$$

$$\text{TYPICAL EMISSIONS} = \frac{\text{EMIS FACT}}{\text{EMIS FACT}} \times \frac{\text{OPER RATE}}{\text{OPER RATE}} \times \frac{\text{HRS/YR}}{\text{HRS/YR}} \times \frac{\text{*RATIO PRO.}}{\text{*RATIO PRO.}} \times \left(1 - \left(\frac{\text{\% CONT. EFF.}}{100}\right)\right) \times .03$$

$$= \text{_____ TONS/ YEAR}$$

b) PM-10:

$$\text{MAXIMUM EMISSIONS} = \frac{\text{EMIS FACT}}{\text{EMIS FACT}} \times \frac{\text{OPER RATE}}{\text{OPER RATE}} \times \frac{\text{HRS/YR}}{\text{HRS/YR}} \times \frac{\text{*RATIO PRO.}}{\text{*RATIO PRO.}} \times \left(1 - \left(\frac{\text{\% CONT. EFF.}}{100}\right)\right) \times .03$$

$$= \text{_____ TONS/ YEAR}$$

$$\text{TYPICAL EMISSIONS} = \frac{\text{EMIS FACT}}{\text{EMIS FACT}} \times \frac{\text{OPER RATE}}{\text{OPER RATE}} \times \frac{\text{HRS/YR}}{\text{HRS/YR}} \times \frac{\text{*RATIO PRO.}}{\text{*RATIO PRO.}} \times \left(1 - \left(\frac{\text{\% CONT. EFF.}}{100}\right)\right) \times .03$$

$$= \text{_____ TONS/ YEAR}$$

\* RATIO PROCESSED = THE RATIO OF GRAIN PROCESSED TO GRAIN SHIPPED OR RECEIVED.