



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
 DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION  
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**FOR APPLICANT'S USE**

Revision #: \_\_\_\_\_  
 Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
 Page \_\_\_\_\_ of \_\_\_\_\_  
 Source Designation: \_\_\_\_\_

<b>STATIONARY INTERNAL          COMBUSTION ENGINE OR TURBINE          DATA AND INFORMATION</b>	<b>FOR AGENCY USE ONLY</b>
	ID NUMBER:
	EMISSION POINT #:
DATE:	

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

<b>GENERAL INFORMATION</b>	
4) NAME OF EMISSION UNIT:	
5) NAME OF PROCESS:	
6) DESCRIPTION OF PROCESS:	
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR ACTIVITY ACCOMPLISHED:	
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):	
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):
12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	a) CONSTRUCTION (MONTH/YEAR):
	b) OPERATION (MONTH/YEAR):
	c) LATEST MODIFICATION (MONTH/YEAR):
13) 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** \_\_\_\_\_

Printed on Recycled Paper  
 270-CAAPP

**FOR APPLICANT'S USE**

14) DOES THE EMISSION UNIT HAVE MORE THAN ONE MODE OF OPERATION?  YES  NO

IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVERED BY THIS FORM (NOTE: A SEPARATE PROCESS EMISSION UNIT FORM 270-CAAPP MUST BE COMPLETED FOR EACH MODE):

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15) PROVIDE THE NAME AND DESIGNATION OF ALL AIR POLLUTION CONTROL EQUIPMENT CONTROLLING THIS EMISSION UNIT, IF APPLICABLE (FORM 260-CAAPP AND THE APPROPRIATE 260-CAAPP ADDENDUM FORM MUST BE COMPLETED FOR EACH ITEM OF AIR POLLUTION CONTROL EQUIPMENT):

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16) 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".

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17) 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**

18) 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 270-1. REFER TO SPECIAL NOTES OF FORM 202-CAAPP.

19a) MAXIMUM OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:
b) TYPICAL OPERATING HOURS	HOURS/DAY:	DAYS/WEEK:	WEEKS/YEAR:
20) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR-MAY(%):	JUN-AUG(%):
			SEP-NOV(%):

**FIRING RATE INFORMATION**

21) DESCRIPTION (CHECK AS MANY AS APPLY):

INTERNAL COMBUSTION ENGINE     SPARK IGNITED ENGINE     RECIPROCATING ENGINE

COMBINED CYCLE TURBINE     STATIONARY TURBINE     SIMPLE CYCLE TURBINE

REGENERATIVE CYCLE TURBINE     LARGE BORE ENGINE

22) AIR CHARGING: <input type="checkbox"/> NATURALLY ASPIRATED <input type="checkbox"/> BLOWER SCAVENGED <input type="checkbox"/> TURBOCHARGED	23) NO. OF CYLINDERS PER ENGINE:
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24a) RATED OR DESIGN HEAT INPUT CAPACITY (MILLION BTU/HR):

24b) IS MORE THAN ONE FUEL FIRED AT A TIME?  YES  NO

IF YES, EXPLAIN:

	NATURAL GAS	FUEL OIL	COAL	OTHER
c) SINGLE FUEL (MAXIMUM - MILLION BTU/HOUR)				
d) SINGLE FUEL (TYPICAL - MILLION BTU/HOUR)				
e) COMBINED FUEL (TYPICAL - MILLION BTU/HOUR) (IF APPLICABLE)				

25a) BASE LOAD (KW):	b) TIME SPENT AT THIS LOAD (%):
26a) PEAK LOAD (KW):	b) TIME SPENT AT THIS LOAD (%):
27a) OTHER LOAD (KW):	b) TIME SPENT AT THIS LOAD (%):

**NATURAL GAS FIRING**

28a) CURRENT ORIGIN OF NATURAL GAS:

PIPELINE (FIRM CONTRACT)  BY-PRODUCT, SPECIFY ORIGIN: \_\_\_\_\_

PIPELINE (INTERRUPTIBLE SUPPLY CONTRACT)  OTHER, - SPECIFY: \_\_\_\_\_

b) TYPICAL HEAT CONTENT (BTU/SCF): \_\_\_\_\_

c) MAXIMUM CONSUMPTION	SCF/MONTH:	SCF/YEAR:
d) TYPICAL CONSUMPTION	SCF/MONTH:	SCF/YEAR:

**OIL FIRING**

29a) OIL TYPE (CHECK ONE):

NO. 1  NO. 2  NO. 4  NO. 5  NO. 6

OTHER, SPECIFY (INCLUDE GENERATOR OR SUPPLIER): \_\_\_\_\_

b) TYPICAL HEAT CONTENT: _____ <input type="checkbox"/> BTU/LB - OR - <input type="checkbox"/> BTU/GAL	c) IS OIL USED ONLY AS A RESERVE FUEL? <input type="checkbox"/> YES <input type="checkbox"/> NO
d) TYPICAL SULFUR CONTENT AS FIRED (WT %):	e) TYPICAL ASH CONTENT AS FIRED (WT %):

f) MAXIMUM CONSUMPTION	GAL/MONTH:	GAL/YEAR:
g) TYPICAL CONSUMPTION	GAL/MONTH:	GAL/YEAR:

h) FIRING DIRECTION:

HORIZONTAL  TANGENTIAL  OTHER, SPECIFY: \_\_\_\_\_

**OTHER FUEL FIRING**

30a) OTHER FUEL FIRING		
	TYPE	SUPPLIER
a)		
b)		
b) TYPICAL HEAT CONTENT (SPECIFY UNITS):		c) TYPICAL NITROGEN CONTENT AS FIRED (WT %):
d) TYPICAL SULFUR CONTENT AS FIRED (WT %):		e) TYPICAL ASH CONTENT AS FIRED (WT %):
f) MAXIMUM CONSUMPTION	(SPECIFY UNITS):	(SPECIFY UNITS):
g) TYPICAL CONSUMPTION	(SPECIFY UNITS):	(SPECIFY UNITS):

**COMBUSTION CONTROL INFORMATION**

31a) IS THERE ANY TYPE OF INTERNAL CONTROL USED TO REDUCE EMISSIONS ? (A 260-CAAPP FORM MUST BE COMPLETED FOR EXTERNAL CONTROLS)		
		<input type="checkbox"/> YES <input type="checkbox"/> NO
IF NO, GO TO ITEM 33.		
b) TOTAL % REDUCTION IN EMISSIONS:	<input type="checkbox"/> NO <sub>x</sub> _____ %	<input type="checkbox"/> CO _____ %
	<input type="checkbox"/> PM <sub>10</sub> _____ %	<input type="checkbox"/> VOM _____ %
	<input type="checkbox"/> PM _____ %	<input type="checkbox"/> SO <sub>2</sub> _____ %
c) CHECK THE FOLLOWING THAT APPLY:	<input type="checkbox"/> WATER INJECTION WATER TO FUEL RATIO: _____	<input type="checkbox"/> FLUE GAS RECIRCULATION % RECIRCULATED _____
	<input type="checkbox"/> OXYGEN TRIM AIR TO FUEL RATIO: _____	<input type="checkbox"/> REDUCED RESIDENCE TIME (SPECIFY SEC): _____
	<input type="checkbox"/> REDUCED TEMPERATURE (SPECIFY DEGREES F): _____	<input type="checkbox"/> FUEL INJECTION RETARD (SPECIFY DEGREES): _____
	<input type="checkbox"/> (NON)SELECTIVE CATALYTIC REDUCTION (260-CAAPP)	<input type="checkbox"/> OTHER, EXPLAIN: _____
d) MAXIMUM START-UPS IN A YEAR?	e) TIME FROM START UP TO STEADY LOAD (MINUTES OR HOURS):	

**APPLICABLE RULES**

32) PROVIDE ANY SPECIFIC EMISSION STANDARD(S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT (E.G., SULFUR DIOXIDE , CFR SUBPART GG, 0.015% BY VOL. AT 15% O<sub>2</sub>):

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

33) PROVIDE ANY SPECIFIC RECORDKEEPING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:

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

34) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:

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

35) PROVIDE ANY SPECIFIC MONITORING RULE(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT:

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

36) PROVIDE ANY SPECIFIC TESTING RULES AND/OR PROCEDURES WHICH ARE APPLICABLE TO THIS EMISSION UNIT :

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

37) DOES THE EMISSION UNIT QUALIFY FOR AN EXEMPTION FROM AN OTHERWISE APPLICABLE 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 270-2, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.

**COMPLIANCE INFORMATION**

38) IS THE EMISSION UNIT IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS?

YES  NO

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

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

40) EXPLANATION OF HOW ONGOING COMPLIANCE WILL BE DEMONSTRATED:

**TESTING, MONITORING, RECORDKEEPING AND REPORTING**

41a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED 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

41b) 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:

42a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE:

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

c) DESCRIBE THE LOCATION OF EACH MONITOR (E.G., IN STACK MONITOR):

42d) 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:

43) 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 220-4:

TEST DATE	TEST METHOD	TESTING COMPANY	OPERATING CONDITIONS	SUMMARY OF RESULTS

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

REPORTING REQUIREMENTS	TITLE OF REPORT	FREQUENCY



<b>(45) EMISSION INFORMATION</b>											
REGULATED AIR POLLUTANT		<input type="checkbox"/> <sup>1</sup> ACTUAL EMISSION RATE <input type="checkbox"/> <sup>1</sup> UNCONTROLLED EMISSION RATE				ALLOWABLE BY RULE EMISSION RATE			<sup>2</sup> PERMITTED EMISSION RATE		
		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> 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 <sub>x</sub> )	MAXIMUM:										
	TYPICAL:										
PARTICULATE MATTER (PART)	MAXIMUM:										
	TYPICAL:										
PARTICULATE MATTER <= 10 MICROMETERS (PM10)	MAXIMUM:										
	TYPICAL:										
SULFUR DIOXIDE (SO <sub>2</sub> )	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 270-3.**

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

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

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

<sup>4</sup>DM - 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)

<sup>5</sup>RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

## APPLICATION PAGE \_\_\_\_\_

**(46) HAZARDOUS AIR POLLUTANT EMISSION INFORMATION**

HAP INFORMATION		<input type="checkbox"/> <sup>1</sup> ACTUAL EMISSION RATE <input type="checkbox"/> <sup>1</sup> UNCONTROLLED EMISSION RATE				ALLOWABLE BY RULE	
NAME OF HAP EMITTED	<sup>2</sup> CAS NUMBER	POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	<sup>3</sup> OTHER TERMS	<sup>4</sup> DM	<sup>5</sup> 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 270-4.**

<sup>1</sup>PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.  
<sup>2</sup>CAS - CHEMICAL ABSTRACT SERVICE NUMBER.  
<sup>3</sup>PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).  
<sup>4</sup>DM - 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).  
<sup>5</sup>RATE - 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.

47) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT:

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

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

50) DISCHARGE HEIGHT ABOVE GRADE (FT):

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

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

53) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM):	b) TYPICAL (ACFM):
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54) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):	b) TYPICAL (°F):
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55) DIRECTION OF EXHAUST (VERTICAL, LATERAL, DOWNWARD):

56) 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.

57a) LATITUDE:	b) LONGITUDE:
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58) UTM ZONE:	b) UTM VERTICAL (KM):	c) UTM HORIZONTAL (KM):
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