



**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
 Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9th Floor, Flushing, New York 11373  
 Records Control (718) 595 - 3855

**PROCESS, EXHAUST OR VENTILATION SYSTEM**  
**APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE**

OP	LOCATION					FACILITY					EMISSION POINT									

<b>SECTION A</b>	1. Name of Owner / Firm					9. Name of Authorized Agent					10. Telephone					19. Facility Name (If different from owner / firm)											
	2. Number and Street Address					11. Number and Street Address					20. Facility Location (Number and Street Address)																
	3. City – Town - Village					4. State		5. Zip			12. City – Town - Village					13. State		14. Zip			21. City – Town - Village					22. Zip	
	6. Owner Classification A. <input type="checkbox"/> COMMERCIAL B. <input type="checkbox"/> INDUSTRIAL C. <input type="checkbox"/> UTILITY D. <input type="checkbox"/> FEDERAL E. <input type="checkbox"/> STATE F. <input type="checkbox"/> MUNICIPAL G. <input type="checkbox"/> EDUC INST H. <input type="checkbox"/> HOSPITAL I. <input type="checkbox"/> RESIDENTIAL J. <input type="checkbox"/> OTHER					15. Name of P.E. or Architect Preparing Application					23. Building Name or Number					24. Floor Name or Number											
	7. Name & Title of Owner's Representative					16. NYS P.E. or Architect License Number					17. Telephone					25. Start Up Date					26. Drawing Numbers of Plans Submitted						
						8. Telephone					18. Signature of Owner's Representative or Agent when Applying for a Permit to Construct					27. Permit to Construct A. <input type="checkbox"/> New Source B. <input type="checkbox"/> Modification					28. Certificate to Operate A. <input type="checkbox"/> New Source B. <input type="checkbox"/> Modification C. <input type="checkbox"/> Existing Source						

<b>SECC</b>	29. Emission Point ID	30. Ground Elevation (Ft)	31. Height Above Structures (Ft)	32. Stack Height (Ft)	33. Inside Dimensions (In)	34. Exit Temp (°F)	35. Exit Velocity (Ft / Sec)	36. Exit Flow Rate (ACFM)	37. Source Code	38. Hrs / Day	39. Days / Yr	40. % Operation By Season			
												Winter	Spring	Summer	Fall

<b>SECC</b>	41. Describe Process or Unit	1.	2.
		3.	4.
		5.	6.
		7.	8.

<b>SECD</b>	Emission Control Equipment I.D.	Control Type	Manufacturer's Name and Model Number	Disposal Method	Date Installed Month / Year	Useful Life
	42.	43.	44.	45.	46. /	47.
	48.	49.	50.	51.	52. /	53.

<b>SECTION E</b>	Calculations
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SECTION F	CONTAMINANT		Input or Production	UNIT	Env. Rating	EMISSIONS				% Control Efficiency	HOURLY EMISSIONS (LBS / HR)		ANNUAL EMISSIONS (LBS / HR)		
	Name	CAS Number				Actual	UNIT	How Determined	Permissible		ERP	ACTUAL	ACTUAL	10 <sup>x</sup>	Permissible
	54.	55.	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.
69.	70.	71.	72.	73.	74.	75.	76.	77.	78.	79.	80.	81.	82.	83.	
84.	85.	86.	87.	88.	89.	90.	91.	92.	93.	94.	95.	96.	97.	98.	
99.	100.	101.	102.	103.	104.	105.	106.	107.	108.	109.	110.	111.	112.	113.	
114.	115.	116.	117.	118.	119.	120.	121.	122.	123.	124.	125.	126.	127.	128.	
129.	130.	131.	132.	133.	134.	135.	136.	137.	138.	139.	140.	141.	142.	143.	

SEC G	Solid Fuel Tons / Yr			Liquid Fuel Thousands of Gallons / Yr			Gas Thousands of CF / Yr			BTU/CF		Applicable Rule	Applicable Rule
	TYPE	% S	TYPE	% S	TYPE	BTU/CF	Applicable Rule	Applicable Rule					
144.	145.	146.	147.	148.	149.	150.	151.	152.	153.	154.			

Upon completion of construction sign the statement listed below and forward to the appropriate field representative.  
 THE PROCESS, EXHAUST OF VENTILATION SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS.

155. Signature of Authorized Representative or Agent \_\_\_\_\_ Date \_\_\_\_\_

156. Location Code	157. Facility ID Number	158. U.T.M. (E)	159. U.T.M. (N)	160. SIC Number	161. Date Application Received	162. Date Application Reviewed	163. Reviewed By:
<b>PERMIT TO CONSTRUCT</b>					168. Deviation from approved application shall void this permit 2. This is NOT a Certificate to Operate 3. Tests and/or additional emission control equipment may be required prior to the issuance of a Certificate to Operate		
164. Date Issued	165. Expiration Date	166. Signature of Approval		167. Fee			
<b>CERTIFICATE TO OPERATE</b>					173. 1. <input type="checkbox"/> Inspected by _____ Date _____ 2. <input type="checkbox"/> Inspection disclosed differences as Built vs. Permit. Changes indicated on form 3. <input type="checkbox"/> Issue Certificate to Operate for source as built 4. <input type="checkbox"/> Application for C.O. denied _____ Date _____ Initialed _____		
169. Date Issued	170. Expiration Date	171. Signature of Approval		172. Fee			
174. Special Conditions:							
1.				2.			
3.				4.			
5.				6.			
7.				8.			



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Former NYSDEC Form 76-19-3  
Rev 03/12

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**INSTRUCTIONS**

PROCESS, EXHAUST OR VENTILATION SYSTEM  
APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

BOX NUMBER & NAME	SPECIFIC INSTRUCTIONS
<b>SECTION A</b>	
1. Name of Owner/Firm	Name of owner of source for which application is being prepared. For corporations, include division or subsidiary name, if any.
2-5. Number and Street Address	Mailing address of the owner or firm.
6. Owner Classification	Check all classifications that apply.
7. Name & Title of Owner's Representative	Employee of firm to be contacted regarding air pollution control at this facility and who is authorized by owner to act on his behalf.
8. Telephone	Telephone number of owner's representative.
9-14. Name of Authorized Agent, etc.	Name, telephone number and mailing address of consultant, contractor, vendor or other person authorized by owner to act as agent in filing application. A letter of authorization must be attached. <i>(Leave blank if there is no authorized agent.)</i>
15-17. Name of P.E. or Architect Preparing Plans, etc.	Name, license number and telephone number of P.E. or Architect preparing application, if applicable.
18. Signature of Owner's Representative or Authorized Agent	Signature or representative or authorized agent must be affixed before application will be processed for a Permit to Construct.
19-22. Facility Name, etc.	Name and address where process is located. <i>(Leave blank if same as owner/firm.)</i>
23-24. Building Name or Number and Floor Name or Number	Building and floor name or number of actual physical location of process unit.
25. Star-up Date	If application is for a Permit to Construct, specify month and year construction is expected to be completed. If application is for a Certificate to Operate for an existing source, specify month and year operation began.
26. Drawing Numbers of Plans Submitted	Specify the drawing numbers of the plans submitted with this application.
27. Permit to Construct	If applying for a Permit to Construct, check whether new source or modification; leave blank if applying for a Certificate to Operate.
28. Certificate to Operate	If applying for a Certificate to Operate, check whether new source, modification or existing source; leave blank if applying for a Permit to Construct.
<b>SECTION B</b>	
29. Emission Point I.D. Number	Specify the number or letter assigned to the emission point through which the contaminants are emitted from the processes/units. Each stack within a facility must be assigned a different number or letter not to exceed five digits. The stacks must also be numbered on the plot plans and / or drawings submitted. See Figure 1.
30. Ground Elevation	Elevation above mean sea level at the base of the stack to the nearest foot (e.g., 120 rather than 119.6). This information is available from USGS Topography Maps.
31. Height Above Structures	Height of the stack above the building or structure to the nearest foot (e.g., 39 rather than 38.7). If top of stack is below the building height, it should be expressed as a negative number.
32. Stack Height	Height of the stack measured from <u>ground level</u> to top of stack to the nearest foot (e.g., 62 rather than 62.3).
33. Inside Dimensions	Inside diameter at the exit of stack expressed in inches to the nearest inch. For stacks of rectangular cross-section specify inside length and width in inches to the nearest inch (e.g., 40 x 20).
34. Exit Temperature	Stack gas exit temperature ( F).
35. Exit Velocity	Stack gas exit velocity (ft / sec).
36. Exit Flow Rate	Stack gas exit flow rate in cubic feet per minute at actual conditions.
37. Source Code	Leave blank.
38. Hours/Day	Number of hours per day this source is or will be in operation.
39. Days/Year	Number of days per year this source is or will be in operation
40. % Operation By Season	Indicate the percentage of time this process is or will be in operation by season. Total of four percentages listed must equal 100. Winter: January—March, Spring: April—June, etc.

**SECTION C**

41.	Describe Process or Unit	Briefly describe the type of process or unit venting to the emission point specified in Section B.
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**SECTION D**

42.	Emission Control Equipment I.D. Number	<u>Number</u> assigned to each emission control device being reported. Each emission control device connected to the same stack must be assigned a different number not to exceed two digits. Control equipment must be numbered on the plot plans and / or drawings submitted. See Figure 1.
43.	Control Type	Enter the code to designate the type of emission control equipment used. 02 - Settling chamber 03 - Louver collector 04 - Baffle chamber 06 - Centrifugal (dry) 07 - Centrifugal (wet) 08 - Fabric collector 09 - Electrostatic precipitator 10 - Thermal afterburner 11 - Spray tower 12 - Impingement plate scrubber 13 - Venturi scrubber 14 - Demister 15 - Packed tower 16 - Ejector condenser 17 - Activated bed adsorber 18 - Silica gel adsorber 19 - Catalytic unit 20 - Vapor condenser 21 - Control for VOC storage and transfer 23 - Absolute filter 98 - Other 99 - None
44.	Manufacturer's Name and Model Number	Enter name of manufacturer and model of the control equipment specified in previous questions.
45.	Disposal Method	Specify method of disposal of collected contaminants by entering code: 1 - Landfill – on-site 2 - Landfill – off-site 3 - Recycled in the process 4 - Recycled on-site 6 - Sold 7 - Public sewer 8 - Private sewer 9 - Other, explain in process description
46.	Date Installed	Actual or expected date of installation of control equipment (month and year).
47.	Useful Life	Expected years of useful life of emission control equipment.
48-53. If additional emission control equipment is used, complete these questions. Refer to instructions for questions 42-47.		

**SECTION E**

Show calculations used to determine input or production rate, emission rate potential, actual emissions and annual emissions. Where appropriate, include pressure, temperature, % moisture by weight and gas flow rate. Calculations must be legible. If additional space is necessary, use additional paper and submit an original and three copies.

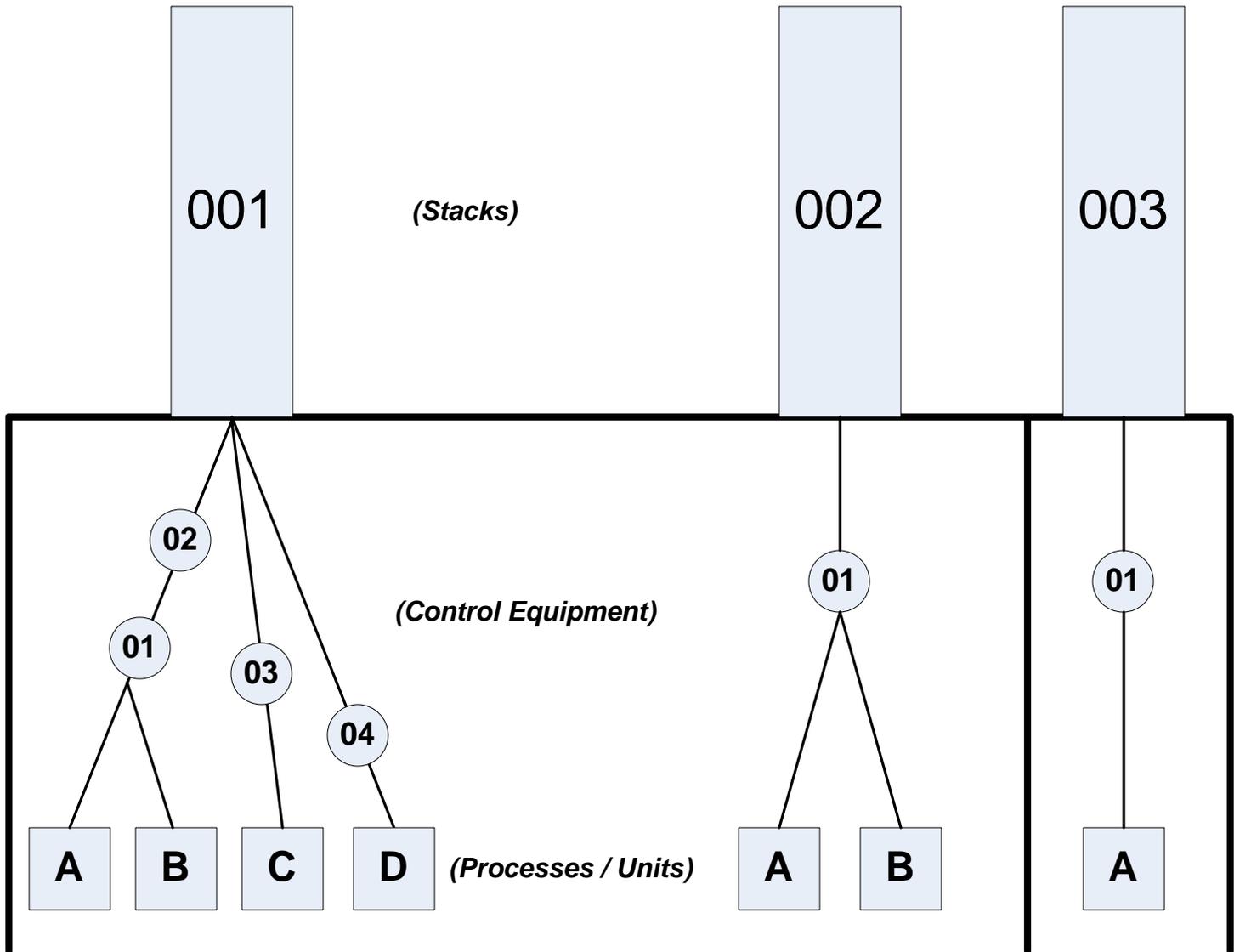
**SECTION F**

54.	Contaminant Name	Specify the air contaminant emitted by complete name. List other contaminants under questions 69, 84, 99, etc., including sulfur dioxide derived from combustion of fuel used in the process. Do not abbreviate or use chemical formulas.
55.	CAS Number	Specify the contaminant Chemical Abstract Series Number.
56.	Input or Production	Enter input or production rate in units which are specified in the applicable regulation (e.g., 40 CFR 60 Subparts D through HH for Federal Regulations and 6 NYCRR Parts 200 through 259 for State Regulations). Do not insert the Federal Subpart letter or the State Part number. 40 CFR 60 Subpart O – Lbs/hr of sludge charged Subpart S – Tons/hr of aluminum or aluminum equivalent produced per hour Subpart Z – Megawatts of furnace power input Subpart BB – Lbs/hr of black liquor solids entering recovery furnace Subpart HH – Tons/hr of limestone feed per hour Part 212 and 213 – Process weights in lbs/hr for the following processes (For Part 212, if the process is not listed, process weight does not apply, and the question should be left blank): A - Stone driers (asphalt concrete plants) B - Expanded aggregate kilns (lightweight aggregate plants) C - Continuous process material dryers emitting solid particulates and water only D - Brass and bronze melting furnaces E - Ferroalloy production furnaces F - Lime kilns G - Glass production furnaces

		<p>H - Graphitizing and silicon carbide furnaces I - Gypsum driers J - Primary aluminum reduction furnaces Part 214 - Tons/day of coal charged into oven Part 220 - Tons/hr of kiln feed Part 223 - Lbs/hr of regenerator coke burn-off of million BTU/Hr heat input of incinerator waste heat boiler fuel Part 224 - Ton/hr of acid produced Part 228 - Gallons/hr of gallons/day of coating applied Part 229 - Gallons of storage capacity or gallons/day or gallons/yr of throughput</p>
57.	Unit	<p>Enter the appropriate code number indicating the units in which the input (production rate or capacity) presented in previous question is expressed:</p> <p>1 - Lbs / hr 13 - Tons / hr 30 - Gallons 31 - Gallons / hr 32 - Gallons / day 33 - Gallons / year 60 - Megawatts (MW) 61 - BTU x 10<sup>6</sup> / hr</p>
58.	Environmental Rating	<p>Leave blank (See Sections D and E) of instructions regarding applicability of 6 NYCRR 212 for how the environmental rating is determined. No environmental rating is assigned for sulfur dioxide emissions originating solely from sulfur contained in fuel used in a process.</p>
59.	Actual Emissions	<p>If application is for a Permit to Construct, enter the anticipated emissions in units prescribed below, by Part number, based on stack tests performed on pilot or similar full scale installations or reliable material balance. If application is for a Certificate to Operate, specify actual emissions in units prescribed below, by Part number based on accepted stack test[s] of this installation.</p> <p>Part 205 - Lbs / hr or lbs / day 212 - Lb / hr or grains / DSCF 213 - Lbs / hr 214 - Grains / DSCF or lbs / ton 216 - Grains / DSCF 220 - Lbs / ton, lb / hr or grains / DSCF 223 - Grains / DSCF, lbs / 1000 (input), lbs, grains / 100 DSCF, lbs / 10 BTU or % (vol) 228 - Lbs / gal</p> <p><b><i>The actual emissions will be compared to permissible emissions; therefore, it must be verifiable.</i></b></p>
60.	Unit	<p>Enter the code to indicate the units in which the actual emissions in the previous question are presented:</p> <p>1 - Lbs / hr 2 - Lbs / hr x 10<sup>-3</sup> 3 - Lbs / hr x 10<sup>-6</sup> 4 - Lbs / day 5 - Lbs / 1000 lbs (input) 6 - (lbs / 1000 lbs) x 10<sup>-3</sup> (input ) 9 - Lbs / gallon 10 - Lbs / ton 11 - Lbs / million BTU 12 - Lbs / mw-hr 13 - Tons / hr 14 - Lbs / 100 lbs input (refuse charged) 20 - Grains / DSCF 21 - Grains / 100 DSCF 30 - Gallons 31 - Gallons / hr 32 - Gallons / day 33 - Gallons / year 40 - Micro curies / ml 41 - 10<sup>-3</sup> micro curies / ml 42 - 10<sup>-6</sup> micro curies / ml 43 - 10<sup>-9</sup> micro curies / ml (pico curies / ml) 44 - 10<sup>-12</sup> micro curies / ml 45 - 10<sup>-15</sup> micro curies / ml 46 - 10<sup>-18</sup> micro curies / ml 47 - 10<sup>-21</sup> micro curies / ml 50 - % vol 51 - Ppm (vol) 52 - Ppb (vol) 90 - % control 92 - % opacity 94 - Trace 98 - Not applicable</p>
61.	How determined	<p>Use code to designate how the actual emissions are determined</p> <p>1 - Stack test of emissions from this process or unit 2 - Stack test of emissions from identical process or unit 3 - Stack test of emissions from geometrically similar process or unit</p>

		<ul style="list-style-type: none"> <li>4 - Manufacturer's guarantee</li> <li>5 - Published emission factors</li> <li>6 - Material balance calculations</li> <li>7 - Continuous stack monitoring</li> <li>9 - Other</li> </ul>
62.	Permissible Emissions	Leave blank
63.	% Control Efficiency	Enter actual efficiency of emission control equipment specified in Section D for each contaminant.
64.	Emission Rate Potential (ERP)	Enter the emission rate potential in lbs / hr (See NYCRR 200.1(s) for definition). If conversion of units is required from units specified in the applicable rule which are other than pounds per hour, show calculations in Section E.
65.	Actual Hourly Emissions	Enter the actual hourly emissions in lbs / hr based on normal daily operation of the process.
66.	Actual Annual Emissions	Enter the actual annual emissions in lbs / yr. For radioactive air contaminants enter curies / yr.
67.	10 <sup>x</sup>	For very large or very small annual emissions utilize the exponent of 10 to specify the correct magnitude. Enter the exponent (x) and indicate whether plus (+) or minus (-). If exponent is not needed, enter zero.
68.	Permissible Annual Emissions	Leave blank.
69-143. <i>For other air contaminants emitted, complete these questions in accordance with instructions for questions 54-68.</i>		
<b>SECTION G</b>		
Summarize the total amount[s] and type [s] of fuel used in ALL THE PROCESSES OR UNITS where the products of combustion are vented to the same emission point specified in Section B.		
144.	Solid Fuel Type	Specify the code for the type of solid fuel burned: <ul style="list-style-type: none"> <li>01 - Anthracitic coal</li> <li>04 - Bituminous coal</li> <li>08 - Sub-bituminous coal</li> <li>12 - Lignite</li> <li>19 - Coal (other)</li> <li>29 - Coke</li> <li>80 - Wood</li> <li>84 - Refuse derived fuel (RDF)</li> <li>86 - Refuse</li> <li>99 - Other</li> </ul>
145.	Solid Fuel (Tons / Yr)	Average quantity of solid fuel burned in all processes described in this application (tons / yr).
146.	Solid Fuel (%S)	Percent (%) sulfur content by weight.
147.	Oil Type	Enter the code for the type of oil burned: <ul style="list-style-type: none"> <li>31 - #1</li> <li>32 - #2</li> <li>34 - #4</li> <li>35 - #5</li> <li>36 - #6</li> <li>40 - Diesel</li> <li>49 - Oil (other)</li> <li>92 - Liquid waste</li> <li>96 - Sludge</li> <li>99 - Other</li> </ul>
148.	Oil (Thousands of Gal / Yr)	Average quantity of oil burned in all processes and emission control equipment described in this application (thousands of gal / yr).
149.	Oil (%S)	Percent (%) sulfur content by weight.
150.	Gas Type	Enter the code for type of gas burned: <ul style="list-style-type: none"> <li>52 - Natural gas</li> <li>56 - Blast furnace gas</li> <li>58 - Coke oven gas</li> <li>60 - Manufactured gas</li> <li>62 - Producer gas</li> <li>64 - Refinery gas</li> <li>68 - Sewage gas</li> <li>72 - L.P. gas</li> <li>79 - Gas (other)</li> <li>94 - Gaseous waste</li> <li>99 - Other</li> </ul>
151.	Gas (Thousands of Ft <sup>3</sup> / Yr)	Quantity of gas burned in all processes and emission control equipment described in this application (thousands of ft <sup>3</sup> / yr).
152.	Gas (BTU / Ft <sup>3</sup> )	Heating value of gas (BTU / ft <sup>3</sup> ).
153-154.	Applicable Rule	Leave blank.
155.	Signature of Authorized Representative or Agent and Date	Signature of owner's representative or authorized agent must be affixed when applying for a Certificate to Operate, or the application will NOT be processed. Leave blank when applying for a Permit to Construct. Enter date at time of signature.

**Figure 1. System for Assigning Identification Numbers and Letters**



**I. Stacks:** Assign a different number to each stack within a plant, using no more than a three-digit number.

**II. Control Equipment:** Assign a different number to each piece of control equipment venting to a common stack, using no more than a two-digit number.

**III. Processes / Units:** Assign a different letter to each process or unit venting to a common stack.