

OP LOCATION FACILITY EMISSION POINT  
**A 261400089400071 I**

NEW YORK STATE  
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES  
 WHITE - ORIGINAL  
 GREEN - DIVISION OF AIR  
 WHITE - REGIONAL OFFICE  
 WHITE - FIELD REP  
 YELLOW - APPLICANT

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

**A** ADD  
**C** CHANGE  
**D** DELETE  
 READ INSTRUCTIONS CONTAINED IN FORM 76-11-12 BEFORE ANSWERING ANY QUESTION

1. NAME OF OWNER/FIRM <b>TAYLOR INSTRUMENT COMPANY</b>			9. NAME OF AUTHORIZED AGENT <b>Energy Planning, Inc. Fred J. Belluscio</b>			10. TELEPHONE <b>385-4280</b>		19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)						
2. NUMBER AND STREET ADDRESS <b>95 Ames Street</b>			11. NUMBER AND STREET ADDRESS <b>100 Bluff Dr. P.O. Box 387</b>			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)								
3. CITY-TOWN-VILLAGE <b>Rochester</b>		4. STATE <b>New York</b>	5. ZIP <b>14601</b>	12. CITY-TOWN-VILLAGE <b>East Rochester</b>		13. STATE <b>New York</b>	14. ZIP <b>14445</b>		21. CITY-TOWN-VILLAGE		22. ZIP			
6. OWNER CLASSIFICATION A. <input type="checkbox"/> COMMERCIAL C. <input type="checkbox"/> UTILITY F. <input type="checkbox"/> MUNICIPAL I. <input type="checkbox"/> RESIDENTIAL B. <input checked="" type="checkbox"/> INDUSTRIAL D. <input type="checkbox"/> FEDERAL G. <input type="checkbox"/> EDUC. INST J. <input type="checkbox"/> OTHER			E. <input type="checkbox"/> STATE	H. <input type="checkbox"/> HOSPITAL	15. NAME OF P.E. OR ARCHITECT PREPARING APPLICATION <b>Fred J. Belluscio, P.E.</b>		16. N.Y.S. P.E. OR ARCHITECT LICENSE NO. <b>028156</b>	17. TELEPHONE <b>385-9280</b>	23. BUILDING NAME OR NUMBER <b>Bldg. 30</b>		24. FLOOR NAME OR NUMBER <b>Floor 1, Dept. 161</b>			
7. NAME & TITLE OF OWNERS REPRESENTATIVE <b>Frank Cervelloni Manager of Facilities</b>			8. TELEPHONE <b>235-5000 Ext. 3573</b>	18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT <i>Fred J. Belluscio 2/18/81</i>								25. START UP DATE <b>11 / 73</b>		26. DRAWING NUMBERS OF PLANS SUBMITTED <b>00071</b>
												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 C. <input checked="" type="checkbox"/> EXISTING SOURCE B. <input type="checkbox"/> MODIFICATION	

29. EMISSION POINT ID. <b>00071</b>	30. GROUND ELEVATION (FT) <b>530</b>	31. HEIGHT ABOVE STRUCTURES (FT) <b>-14</b>	32. STACK HEIGHT (FT) <b>25</b>	33. INSIDE DIMENSIONS (IN) <b>10</b>	34. EXIT TEMP (°F) <b>70</b>	35. EXIT VELOCITY (FT/SEC) <b>12</b>	36. EXIT FLOW RATE (ACFM) <b>393</b>	37. SOURCE CODE <b>1410</b>	38. HRS/DAY <b>.3</b>	39. DAYS/YR <b>250</b>	40. % OPERATION BY SEASON Winter: <b>25</b> Spring: <b>25</b> Summer: <b>25</b> Fall: <b>25</b>			
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41. DESCRIBE PROCESS OR UNIT	1. <b>Welding Bench Exhaust (2) 8 hrs/day, 250 days/yr.</b>	2. <b>Floor Exhaust (Mercury Vapor) .25 hrs/day, 250 days/yr.</b>
	3.	4.
	5.	6.
	7.	8.

42. EMISSION CONTROL EQUIPMENT I.D. <b>01</b>	43. CONTROL TYPE <b>01</b>	44. MANUFACTURER'S NAME AND MODEL NUMBER <b>Buffalo Forge #25 MX</b>		45. DISPOSAL METHOD <b>9</b>	46. DATE INSTALLED MONTH / YEAR <b>11 / 73</b>	47. USEFUL LIFE
48.	49.	50.		51.	52.	53.

**CALCULATIONS**  
 Hydrogen and Helium Arc Welding operations are done in booth on intermittent basis throughout day. Mercury filled pneumatic sensing systems have a small capillary tube which is sealed closed by a hydrogen arc weld. Approx. 15 systems per day are sealed. Each seal takes 10 seconds to complete. Analysis with Mercury Vapor analyzer during sealing process yielded a peak concentration of <.005 mg/m<sup>3</sup> in booth and BDL (below detectable limit) at exhaust.  
 \* Calculation based on concentration detected in booth (<.005 mg/m<sup>3</sup> or 0.001416 mg/ft<sup>3</sup>) and the exhaust gas flow rate of 393 ACFM. Operation lasts for a total of .25 hrs/day, therefore hourly emission figures below show 4 x actual hourly load.  
 \*\* Based on .002 lb. FeO<sub>2</sub>/lb. of welding rod; Two rods used per week weighing 0.0313 lb./rod.

CONTAMINANT	NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
						ACTUAL	UNIT	HOW DET.	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10 <sup>x</sup> PERMISSIBLE
54. Mercury Vapor		55. 07439-97-6	56.	57.	58. A	59. 94	60. 7 <sup>o</sup>	61.	62.	63. 0	64.	65.	66.	67. 68.
69. Welding Fume (iron oxide)		70. 01345-25-1	71.	72.	73. B	74. 94	75. 9	76.	77.	78. 0	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.

SOLID FUEL TONS/YR		% S		OIL THOUSANDS OF GALLONS/YR		% S		GAS THOUSANDS OF CF/YR		BTU/CF		APPLICABLE RULE	APPLICABLE RULE
144.	145.	146.	147.	148.	149.	150.	151.	152.	153.	154.	212		

Upon completion of construction sign the statement listed below and forward to the appropriate field representative  
 THE PROCESS, EXHAUST OR 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  
*F. Cervelloni*  
 DATE: **2-23-81**

156. LOCATION CODE <b>2614000894</b>	157. FACILITY ID. NO. <b>284878083821</b>	158. U.T.M. (E)	159. U.T.M. (N)	160. SIC NUMBER <b>3821</b>	161. DATE APPL RECEIVED <b>3/9/81</b>	162. DATE APPL REVIEWED <b>4/2/81</b>	163. REVIEWED BY <b>T. Hatch</b>
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<b>PERMIT TO CONSTRUCT</b>			
164. DATE ISSUED <b>3/9/81</b>	165. EXPIRATION DATE <b>3/3/81</b>	166. SIGNATURE OF APPROVAL <i>Thomas J. Marshall</i>	167. FEE <b>0</b>

<b>RECOMMENDED ACTION RE: C.O.</b>			
169. DATE ISSUED <b>04/02/81</b>	170. EXPIRATION DATE <b>06/30/83</b>	171. SIGNATURE OF APPROVAL <i>Thomas J. Marshall</i>	172. FEE <b>0</b>

173. 1.  INSPECTED BY **J. Kennedy** DATE **7-8-80**  
 2.  INSPECTION DISCLOSED DIFFERENCES AS BUILT VS. PERMIT, CHANGES INDICATED ON FORM  
 3.  ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT **OK**  
 4.  APPLICATION FOR C.O. DENIED DATE \_\_\_\_\_ INITIALED \_\_\_\_\_  
 174. SPECIAL CONDITIONS:  
**0 NONE**

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0139  
RUN DATE: 04/18/88

261400 0894 00071 W I  
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

OWNER (1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601	FACILITY (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 06/30/83 PRIOR CO EXPIRATION DATE 06/30/88
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00071  
(41)UTH-E: 284.8 KM. (42)STACK HEIGHT: 25 FT. (43)EXIT VELOCITY: 12.00 FT/SEC (44)SIC: 3821 (45)AGENCY-CODE-1:  
(46)UTH-N: 780.8 KM. (47)HT ABV STRUC: -14 FT. (48)EXIT FLOW: 393.00 ACFM (49)CO FEE: \$50.00 (50)AGENCY-CODE-2:  
(51)GRND ELEV: 530 FT. (52)STK DIAM: 10 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3  
UNIT I  
(55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: 1410 WELDING  
(59)BLDG: 30 (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT (72)DESCRIPTION 1. WELDING BENCH EXHAUST  
DESCRIPTION

CONTROL EQUIPMENT (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 25 MX (75)ID: 01 (76)DATE INSTALLED: 11/73  
(77)DISPOSAL METHOD: 09 OTHER (78)USEFUL LIFE: 20 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
MERCURY	(085) 07439-97-6	(086) A	(087)	(088) 94	(089) 01	(090)	(091)	(092) .001	(093)	(094)	(095)
IRON OXIDE	(096) 01345-25-1	(097) B	(098)	(099) 94	(100) 09	(101)	(102)	(103)	(104)	(105)	(106)

(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 07/01/83	(18)CURRENT COMMENTS (19)BY _____ (20)DATE ___/___/___	(27)LAST INSPECTION DATE <u>03/04/88</u>
1. OPERATING AT TIME OF INSPECTION	1. _____	(21)INSPECTION STATUS <u>5</u>
2. PROCESS EQ. SAT.	2. _____	(22)DATE OF NEXT ACTION <u>1/1</u>
3.	3. _____	(23)ISSUE DATE <u>06/30/88</u>
4. NO VISUAL EMISSIONS	4. _____	(24)EXPIRATION DATE <u>06/30/93</u>
e	5. _____	(25)CO FEE <u>50</u>

ISSUING OFFICER'S SIGNATURE:

DATE:



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR ENVIRONMENTAL ANALYSIS RATING AND PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

PLEASE PRINT OR TYPE XX

S E C T I O N A	1. NAME OF OWNER/FIRM <b>Taylor Instrument Process Control Div.</b>			9. NAME OF AUTHORIZED AGENT			10. TELEPHONE			19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)		
	2. NUMBER AND STREET ADDRESS <b>95 Ames Street</b>			11. NUMBER AND STREET ADDRESS			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)					
	3. CITY - TOWN - VILLAGE <b>Rochester</b>		4. STATE <b>New York</b>	5. ZIP <b>14601</b>	12. CITY - TOWN - VILLAGE		13. STATE	14. ZIP		21. CITY - TOWN - VILLAGE <b>Rochester</b>		22. COUNTY <b>Monroe</b>
	6. OWNER CLASSIFICATION E. <input type="checkbox"/> STATE H. <input type="checkbox"/> HOSPITAL A. <input type="checkbox"/> COMMERCIAL C. <input type="checkbox"/> UTILITY F. <input type="checkbox"/> MUNICIPAL I. <input type="checkbox"/> RESIDENTIAL B. <input checked="" type="checkbox"/> INDUSTRIAL D. <input type="checkbox"/> FEDERAL G. <input type="checkbox"/> EDUC. INST. J. <input type="checkbox"/> OTHER			15. NAME OF P.E. OR ARCHITECT PREPARING PLANS			16. NYS P.E. OR ARCHT. LIC. NO.			17. TELEPHONE		
7. NAME & TITLE OF OWNERS REPRESENTATIVE <b>Fred J. Baluscio Plant Engineer</b>			8. TELEPHONE <b>235-5000 ext. 3573</b>			18. SIGNATURE OF REPRESENTATIVE OR AUTHORIZED AGENT <i>Fred J. Baluscio</i>			23. BLDG. NAME OR NUMBER <b>Bldg. 49</b>		24. FLOOR NAME OR NUMBER <b>Floor 1 Dept. 105</b>	
									25. DATE APPLICATION COMPLETED <b>11 / 30 / 73</b>		26. EXPECTED DATE OF OPERATION <b>11 / 30 / 73</b>	
									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 C. <input checked="" type="checkbox"/> EXISTING SOURCE B. <input type="checkbox"/> MODIFICATION	

FOR AGENCY USE ONLY

29. LOCATION CODE <b>261400</b>	30. FACILITY ID. NO. <b>0894</b>	31. U. T. M. (E) <b>2848</b>	32. U. T. M. (N) <b>7808</b>	33. SIC NUMBER <b>2821</b>	34. DATE APPL. RECEIVED <b>6/25/74</b>	35. DATE APPL. REVIEWED <b>7/1/74</b>	36. REVIEWED BY <i>A. J. ...</i>		
37. DATE ISSUED <b>/ /</b>				38. EXPIRATION DATE <b>/ /</b>		39. SIGNATURE OF APPROVAL			
40. CONDITIONS: 1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2. THIS IS NOT A CERTIFICATE TO OPERATE 3. TESTS AND/OR ADDITIONAL AIR POLLUTION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE 4. STACK TEST REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>				41. DATE ISSUED <b>7/1/74</b>				42. EXPIRATION DATE <b>7/1/74</b>	
				43. SIGNATURE OF APPROVAL <i>A. J. ...</i>				44. 4. <input checked="" type="checkbox"/> I RECOMMEND ISSUANCE OF A CERTIFICATE TO OPERATE THE SOURCE AS BUILT	

UPON COMPLETION OF CONSTRUCTION, SIGN THE STATEMENT LISTED BELOW AND FORWARD TO THE APPROPRIATE FIELD REPRESENTATIVE

THE PROCESS, EXHAUST OR VENTILATING SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT: *Fred J. Baluscio* DATE: **6/25/74**

45. EMISSION POINT ID. <b>09073</b>	46. GROUND ELEV. (FT) <b>530</b>	47. HT. ABOVE STRUCTURES (FT) <b>7</b>	48. STACK HT. (FT) <b>21</b>	49. INSIDE DIAM. (IN.) <b>6</b>	50. EXIT TEMP. (°F) <b>70</b>	51. EXIT VELOCITY (FT/SEC) <b>30</b>	52. EXIT FLOW RATE (SCFM) <b>800</b>	53. DRAFT TYPE <input type="checkbox"/> N <input type="checkbox"/> F <input checked="" type="checkbox"/> Z	54. WIND DIRECTION <b>150</b>	55. RECEPTOR DISTANCE (FT) <b>25</b>	56. DRAWING NUMBERS OF PLANS SUBMITTED: <b>0075</b>
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57. DESCRIBE PROCESS OR UNIT:  
**Lathe operations - Oil Mist generated by cutting operations - Exhaust System.**

58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS:  
**1**

CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	FUEL TYPE	FLOW RATE (SCFM)	TEMP (°F)	PRESSURE DROP (IN. H <sub>2</sub> O)	HORSE POWER	CONTAM'T CONTROL'D	EFFICIENCY (%)	HOW DET.	DISP. METH.	INITIAL COST (\$)	OPER. COST (\$)	DATE INSTALLED	USEFUL LIFE
59. 09	60. Dollinger Electro Staynew Mod. MC.	61. NA	62. 800	63. 70	64. 0.25	65. 0.50	66. 0.90	67. 95	68. 9	69. 9	70. -	71. -	72. /	73. /
74.	75.	76.	77.	78.	79.	80.	81.	82.	83.	84.	85.	86.	87. /	88. /

CALCULATIONS IN DETERMINING INPUT OR PRODUCTION RATE, EMISSION RATE POTENTIAL AND ACTUAL EMISSIONS:

**A Sulfurised cutting oil having a viscosity of 65-75 SUS at 100°F. is used in turning operations resulting in the formation of a mist.**

**Emission estimated by observing process and exhaust vents.**

CONTAMINANT NAME	%	CODE	INPUT OR PRODUCTION UNITS	E R P (LBS/HR)	HRS DAY	DAYS YR	PROPOSED RATING	ACTUAL EMISSIONS UNITS	ACTUAL EMISSIONS (LBS/HR)	AGENCY USE ONLY				
										ENV. RATING	ALLOWABLE EMISSIONS	UNITS		
89. Cutting Oil (1)	90. 100	91. 090	92. 1	93. 1	94. < 0.01	95. 16	96. 250	97. D	98. < 0.01	99. 4	100. < 0.01	101. D	102. 0.01	103. 4
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.	144.	145.	146.	147.	148.
149.	150.	151.	152.	153.	154.	155.	156.	157.	158.	159.	160.	161.	162.	163.
164.	165.	166.	167.	168.	169.	170.	171.	172.	173.	174.	175.	176.	177.	178.

SEC	SOLID FUEL			OIL			GAS			CONTROL EQUIPMENT			CONTROL EQUIPMENT			CONTROL EQUIPMENT			PROCESS CODE	APPLICABLE CODE (S)
	TYPE	LBS/HR	%S	TYPE	G.P.H.	%S	TYPE	C.F.H.	BTU/CF	TYPE	NUMBER	TYPE	NUMBER	TYPE	NUMBER	TYPE	NUMBER			
179.	180.	181.	182.	183.	184.	185.	186.	187.	188. 09	189. 1	190.	191.	192.	193.	194.	195.	196.	197.	198.	199. 212

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0141  
RUN DATE: 04/18/88

261400 0894 00075 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

OWNER (1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601	FACILITY (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON	(11) CONFIDENTIAL STATUS NON-CONFIDNTL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 06/30/83 PRIOR CO EXPIRATION DATE 06/30/88
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

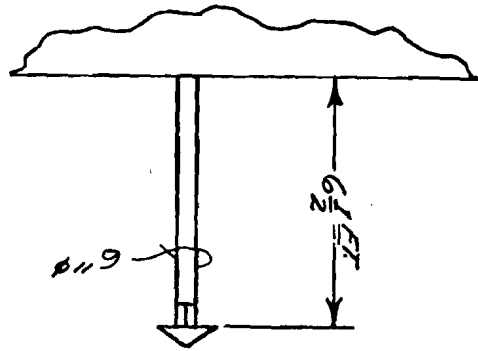
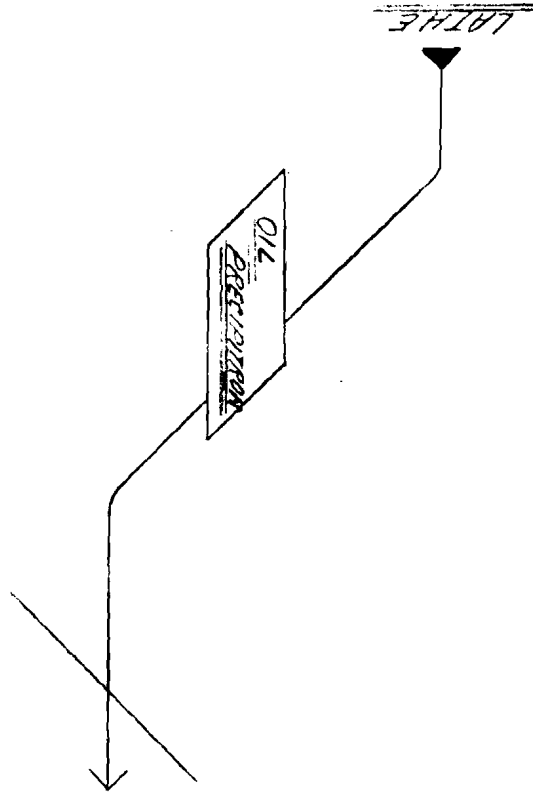
EMISSION POINT 00075	(41)UTH-E: 284.8 KM. (46)UTH-N: 780.8 KM. (51)GRND ELEV: 530 FT.	(42)STACK HEIGHT: 21 FT. (47)HT ABV STRUC: 7 FT. (52)STK DIAM: 6 IN.	(43)EXIT VELOCITY: 68.00 FT/SEC (48)EXIT FLOW: 800.00 ACFM (53)EXIT TEMP: 70 DEGR F	(44)SIC: 3821 (49)CO FEE: \$50.00 (54)CO CONDITIONS: 1	(45)AGENCY-CODE-1: (50)AGENCY-CODE-2:
UNIT I	(55)HOURS/DAY: 16.0 (59)BLDG: BLDG. 49	(56)DAYS/YEAR: 250 (60)FLOOR NAME: FLOOR 1 DEPT. 105	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1407 (61)RULE 1: 212.00	QUENCHING (62)RULE 2:
PROCESS/UNIT DESCRIPTION	(72)DESCRIPTION 1. LATHE OPERATIONS - OIL MIST GENERATED BY 2. CUTTING OPERATIONS - EXHAUST SYSTEM.				
CONTROL EQUIPMENT	(73)TYPE: 009 ELECTRIC PRECIPITATOR	(74)MFG: DOLLINGER ELECTRO STAYNEW MOD. MC.	(75)ID: 1	(76)DATE INSTALLED: 01/73	(78)USEFUL LIFE: 20 YEARS
		(77)DISPOSAL METHOD: 09 OTHER			

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	EMISSIONS				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
OIL MIST	(085) NY090-00-0	(086) D	(087) .001	(088) 01	(089) 09	(090) .010	(091) 95.0	(092) .001	(093) 4.000	(094) 0	(095) 40.000

(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 07/01/83 1. OPERATING AT TIME OF INSPECTION 2. PROCESS EQ. SAT. 3. 4. NO VISUAL EMISSIONS 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE <u> / /</u> 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE <u>03/04/88</u> (21)INSPECTION STATUS <u>5</u> (22)DATE OF NEXT ACTION <u> / /</u> (23)ISSUE DATE <u>06/30/83</u> (24)EXPIRATION DATE <u>06/30/93</u> (25)CO FEE <u>50</u>
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FIPM REP'S SIGNATURE: [Signature] DATE:  / / ISSUING OFFICER'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

ENV. RATING - D



BLOWER-DOLLINGER MOD. 50  
#9997  
MOTOR - G.E. 1/2 H.P.  
#9946

DEPT. 105 BLDG. #49

E.P. NO.	0	0	0	7	5
DWN. S. 21.23 J. PIECH					
REV.					



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR ENVIRONMENTAL ANALYSIS RATING AND PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

PLEASE PRINT OR TYPE XX

Form with sections 1-28: 1. NAME OF OWNER/FIRM (Taylor Instrument Process Control Div.), 2. NUMBER AND STREET ADDRESS (95 Ames Street), 3. CITY-TOWN-VILLAGE (Rochester), 4. STATE (New York), 5. ZIP (14601), 6. OWNER CLASSIFICATION (Industrial), 7. NAME & TITLE OF OWNERS REPRESENTATIVE (Fred J. Baluscio, Plant Engineer), 8. TELEPHONE (235-5000 ext. 3573), 9. NAME OF AUTHORIZED AGENT, 10. TELEPHONE, 11. NUMBER AND STREET ADDRESS, 12. CITY-TOWN-VILLAGE, 13. STATE, 14. ZIP, 15. NAME OF P.E. OR ARCHITECT PREPARING PLANS, 16. NYS RE. OR ARCHT LIC. NO., 17. TELEPHONE, 18. SIGNATURE OF REPRESENTATIVE OR AUTHORIZED AGENT (Fred J. Baluscio), 19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM), 20. FACILITY LOCATION (NUMBER AND STREET ADDRESS), 21. CITY-TOWN-VILLAGE (Rochester), 22. COUNTY (Monroe), 23. BLDG. NAME OR NUMBER (Bldg. 49), 24. FLOOR NAME OR NUMBER (Floor 1 Dept. 105), 25. DATE APPLICATION COMPLETED (11/30/73), 26. EXPECTED DATE OF OPERATION (11/30/73), 27. PERMIT TO CONSTRUCT (NEW SOURCE), 28. CERTIFICATE TO OPERATE (EXISTING SOURCE).

FOR AGENCY USE ONLY

Form with sections 29-43: 29. LOCATION CODE (261410), 30. FACILITY ID. NO. (C844), 31. U.T.M.(E) (2E48), 32. U.T.M.(N) (78C8), 33. SIC NUMBER (2821), 34. DATE APPL. RECEIVED (6/25/74), 35. DATE APPL. REVIEWED (7/1/74), 36. REVIEWED BY (A. Joseph), 37. DATE ISSUED, 38. EXPIRATION DATE, 39. SIGNATURE OF APPROVAL, 40. CONDITIONS (1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT, 2. THIS IS NOT A CERTIFICATE TO OPERATE, 3. TESTS AND/OR ADDITIONAL AIR POLLUTION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE, 4. STACK TEST REQUIRED YES NO), 41. DATE ISSUED (7/1/74), 42. EXPIRATION DATE (7/1/77), 43. SIGNATURE OF APPROVAL (A. Joseph), 44. 1. INSPECTED BY (A. Joseph) Name Date (6-12-74), 2. DOES NOT REQUIRE INSPECTION, 3. INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES AS INDICATED ON FORM, 4. I RECOMMEND ISSUANCE OF A PROVISIONAL CERTIFICATE TO OPERATE PENDING THE APPROVAL OF STACK TESTS, 5. I RECOMMEND ISSUANCE OF A CERTIFICATE TO OPERATE THE SOURCE AS BUILT, 6. HAVE EPISODE ACTION PLANS BEEN ACCEPTED FOR THIS SOURCE EXEMPT YES NO, 7. APPLICATION FOR C.O. DENIED.

UPON COMPLETION OF CONSTRUCTION, SIGN THE STATEMENT LISTED BELOW AND FORWARD TO THE APPROPRIATE FIELD REPRESENTATIVE. THE PROCESS, EXHAUST OR VENTILATING SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS. SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT (Fred J. Baluscio) DATE (6/25/74)

Table with 12 columns: 45. EMISSION POINT ID., 46. GROUND ELEV. (FT), 47. HT. ABOVE STRUCTURES (FT), 48. STACK HT. (FT), 49. INSIDE DIAM. (IN.), 50. EXIT TEMP. (°F), 51. EXIT VELOCITY (FT/SEC), 52. EXIT FLOW RATE (SCFM), 53. DRAFT TYPE, 54. WIND DIRECTION, 55. RECEPTOR DISTANCE (FT), 56. DRAWING NUMBERS OF PLANS SUBMITTED (00576)

57. DESCRIBE PROCESS OR UNIT: Lathe Operations - Oil Mist Exhaust. 58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS: 1

Table with 14 columns: CONTROL TYPE, MANUFACTURER'S NAME AND MODEL NUMBER, FUEL TYPE, FLOW RATE (SCFM), TEMP. (°F), PRESSURE DROP (IN. H2O), HORSE POWER, CONTAM'T CONTROL'D, EFFICIENCY (%), HOW DET., DISP. METH., INITIAL COST (\$), OPER. COST (\$), DATE INSTALLED, USEFUL LIFE. Row 59: 09 Dellinger Electro Staynew Mod. MC, NA, 200, 70, 0.25, 0.50, 0.70, 95, 9, 9, -, -, /, 73.

CALCULATIONS IN DETERMINING INPUT OR PRODUCTION RATE, EMISSION RATE, POTENTIAL AND ACTUAL EMISSIONS: A sulfurized cutting oil having a viscosity of 65-75 SUS at 100°F, used in turning operations resulting in the formation of a mist. Emission estimated by observing process and exhaust vents.

Table with 13 columns: CONTAMINANT NAME, %, CODE, INPUT OR PRODUCTION, UNITS, E R P (LBS / HR), HRS DAY, DAYS YR, PROPOSED RATING, ACTUAL EMISSIONS, UNITS, ACTUAL EMISSIONS (LBS / HR), ENV. RATING, ALLOWABLE EMISSIONS, UNITS. Row 89: Cutting oil (1), 100, 090, 1, 1, < 0.01, 16, 250, D, < 0.01, 1, < 0.01, D, 0.01, 103.

Table with 14 columns: SOLID FUEL, OIL, GAS, CONTROL EQUIPMENT TYPE, CONTROL EQUIPMENT NUMBER, CONTROL EQUIPMENT TYPE, CONTROL EQUIPMENT NUMBER, CONTROL EQUIPMENT TYPE, CONTROL EQUIPMENT NUMBER, PROCESS CODE, APPLICABLE CODE(S). Row 179: 09, 1, 190, 191, 192, 193, 194, 212.

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0142  
RUN DATE: 04/18/88

C 261400 0894 00076 W I  
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

<b>OWNER</b> (1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601		<b>FACILITY</b> (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON		(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 06/30/83 PRIOR CO EXPIRATION DATE 06/30/88	
---	--	--	--	---	--

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

<b>EMISSION POINT 00076</b>	(41)UTM-E: 284.8 KM.	(42)STACK HEIGHT: 21 FT.	(43)EXIT VELOCITY: 30.00 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: 7 FT.	(48)EXIT FLOW: 353.25 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
	(51)GRND ELEV: 530 FT.	(52)STK DIAM: 6 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	
<b>UNIT I</b>	(55)HOURS/DAY: 16.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1101	MACHINING (TURNING,C
	(59)BLDG: 49	(60)FLOOR NAME: DEPT. 105		(61)RULE 1: 212.00	(62)RULE 2:

PROCESS/UNIT (72)DESCRIPTION 1. LATHE OPERATION  
DESCRIPTION

CONTROL EQUIPMENT (73)TYPE: 009 ELECTRIC PRECIPITATOR (74)MFG: DOLLINGER ELECTRO STAYNEW (75)ID: 01 (76)DATE INSTALLED: 01/73 (77)DISPOSAL METHOD: 09 OTHER (78)USEFUL LIFE: 20 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
OIL MIST	(085) NY090-00-0	(086) D	(087) .010	(088) 01	(089) 09	(090) .010	(091) 95.0	(092) .010	(093) 40.000	(094) 0	(095) 40.00

(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 07/01/83 1. OPERATING AT TIME OF INSPECTION 2. PROCESS EQ. SAT. 3. 4. NO VISUAL EMISSIONS 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE / / 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE 03/04/88
		(21)INSPECTION STATUS 5
		(22)DATE OF NEXT ACTION / /
		(23)ISSUE DATE 06/30/88
		(24)EXPIRATION DATE 06/30/93
		(25)CO FEE 50

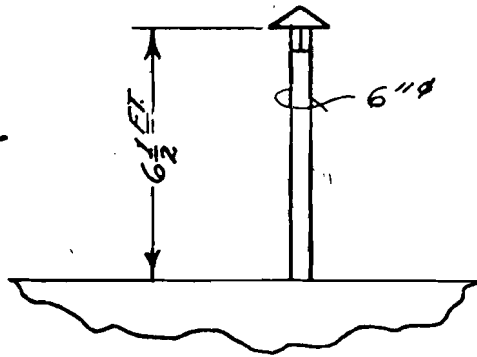
DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

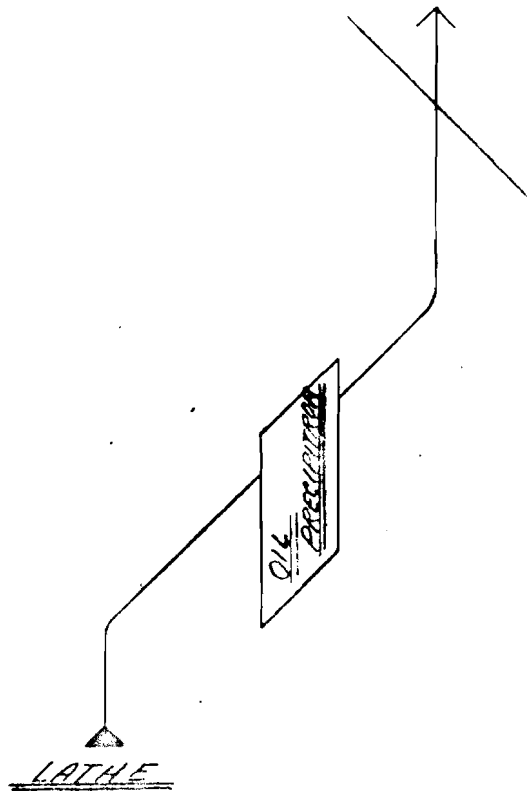
E.P. NO.	0	0	0	7	2
DWN 8-21-73 J. PIECH					
REV. _____					
_____					

DEPT. 105 BLDG. #49



BLOWER - DOLLINGER MOD. 50  
#9929

MOTOR - G.E. 1/2 H.P.  
#9928



ENV. RATING - D





PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR ENVIRONMENTAL ANALYSIS RATING AND PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

PLEASE PRINT OR TYPE XX

S E C T I O N A	1. NAME OF OWNER/FIRM <b>Taylor Instrument Process Control Div.</b>				9. NAME OF AUTHORIZED AGENT				10. TELEPHONE				19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)							
	2. NUMBER AND STREET ADDRESS <b>95 Ames Street</b>				11. NUMBER AND STREET ADDRESS				20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)											
	3. CITY - TOWN - VILLAGE <b>Rochester</b>		4. STATE <b>New York</b>		5. ZIP <b>14601</b>		12. CITY - TOWN - VILLAGE		13. STATE		14. ZIP		21. CITY - TOWN - VILLAGE <b>Rochester</b>		22. COUNTY <b>Monroe</b>					
	6. OWNER CLASSIFICATION E. <input type="checkbox"/> STATE H. <input type="checkbox"/> HOSPITAL A. <input type="checkbox"/> COMMERCIAL C. <input type="checkbox"/> UTILITY F. <input type="checkbox"/> MUNICIPAL I. <input type="checkbox"/> RESIDENTIAL B. <input checked="" type="checkbox"/> INDUSTRIAL D. <input type="checkbox"/> FEDERAL G. <input type="checkbox"/> EDUC. INST. J. <input type="checkbox"/> OTHER				15. NAME OF P.E. OR ARCHITECT PREPARING PLANS				16. NYS PE OR ARCHT LIC. NO.				17. TELEPHONE							
	7. NAME & TITLE OF OWNERS REPRESENTATIVE <b>Fred J. Belluscio Plant Engineer</b>				8. TELEPHONE <b>235-5000 ext. 3573</b>				18. SIGNATURE OF REPRESENTATIVE OR AUTHORIZED AGENT <i>Fred J. Belluscio</i>				25. DATE APPLICATION COMPLETED <b>11 / 30 / 73</b>				26. EXPECTED DATE OF OPERATION <b>11 / 30 / 73</b>			
									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 C. <input checked="" type="checkbox"/> EXISTING SOURCE B. <input type="checkbox"/> MODIFICATION							

FOR AGENCY USE ONLY

29. LOCATION CODE <b>2 4 1 4 0 0 0 8 9 4</b>	30. FACILITY ID. NO. <b>2 8 4 8 7 8 0 8</b>	31. U. T. M. (E)	32. U. T. M. (N)	33. SIC NUMBER <b>2 8 2 1</b>	34. DATE APPL. RECEIVED <b>6 / 28 / 74</b>	35. DATE APPL. REVIEWED <b>7 / 1 / 74</b>	36. REVIEWED BY <b>ASTOSA</b>								
37. DATE ISSUED / /				38. EXPIRATION DATE / /				39. SIGNATURE OF APPROVAL							
40. CONDITIONS: 1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2. THIS IS NOT A CERTIFICATE TO OPERATE 3. TESTS AND/OR ADDITIONAL AIR POLLUTION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE 4. STACK TEST REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>				41. DATE ISSUED <b>7 / 1 / 74</b>				42. EXPIRATION DATE <b>11 / 1 / 77</b>				43. SIGNATURE OF APPROVAL <i>J. E. Kennedy</i>			
				44. 1. <input checked="" type="checkbox"/> INSPECTED BY 2. <input type="checkbox"/> DOES NOT REQUIRE INSPECTION 3. <input type="checkbox"/> INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES AS INDICATED ON FORM 4. <input type="checkbox"/> I RECOMMEND ISSUANCE OF A PROVISIONAL CERTIFICATE TO OPERATE PENDING THE APPROVAL OF STACK TESTS 5. <input checked="" type="checkbox"/> I RECOMMEND ISSUANCE OF A CERTIFICATE TO OPERATE THE SOURCE AS BUILT 6. <input type="checkbox"/> HAVE EPISODE ACTION PLANS BEEN ACCEPTED FOR THIS SOURCE EXEMPT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 7. <input type="checkbox"/> APPLICATION FOR C.O. DENIED											

UPON COMPLETION OF CONSTRUCTION, SIGN THE STATEMENT LISTED BELOW AND FORWARD TO THE APPROPRIATE FIELD REPRESENTATIVE

THE PROCESS, EXHAUST OR VENTILATING SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT: *Fred J. Belluscio* DATE: **6/25/74**

SEC.	45. EMISSION POINT ID.	46. GROUND ELEV. (FT)	47. HT. ABOVE STRUCTURES (FT)	48. STACK HT. (FT)	49. INSIDE DIAM. (IN.)	50. EXIT TEMP (°F)	51. EXIT VELOCITY (FT/SEC)	52. EXIT FLOW RATE (SCFM)	53. DRAFT TYPE	54. WIND DIRECTION	55. RECEPTOR DISTANCE (FT)	56. DRAWING NUMBERS OF PLANS SUBMITTED:
B	09077	550	7	21	6	70	30	800	N F I	WSW	250	0077

57. DESCRIBE PROCESS OR UNIT:  
**Lathe Operations - Oil Mist Exhaust**

58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS:  
**1**

CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	FUEL TYPE	FLOW RATE (SCFM)	TEMP (°F)	PRESSURE DROP (IN. H <sub>2</sub> O)	HORSE POWER	CONTAM'T CONTROL'D	EFFICIENCY (%)	HOW DET.	DISP. METH.	INITIAL COST (\$)	OPER. COST (\$)	DATE INSTALLED	USEFUL LIFE
59	09 Pollinger Electro Staynew Mod. NC	60	62. 800	63. 70	64. 0.25	65. 0.50	66. 0.90	67. 95	68. 9	69. 9	70. -	71. -	72. /	73.
74.	75.	76.	77.	78.	79.	80.	81.	82.	83.	84.	85.	86.	87. /	88.

CALCULATIONS IN DETERMINING INPUT OR PRODUCTION RATE, EMISSION RATE POTENTIAL AND ACTUAL EMISSIONS:

**A sulfurized cutting oil having a viscosity of 65-75 SUS at 100°F. used in turning operations resulting in the formation of a mist.**

**Emission estimated by observing process and exhaust vents.**

CONTAMINANT NAME	%		CODE	INPUT OR PRODUCTION UNITS	E R P (LBS / HR)	HRS DAY	DAYS YR	PROPOSED RATING	ACTUAL EMISSIONS	UNITS	ACTUAL EMISSIONS (LBS / HR)	AGENCY USE ONLY			
	ENV. RATING	ALLOWABLE EMISSIONS										UNITS			
89. Cutting Oil (1)	90.	91.	090	92. 1	93. 1	94. < 0.01	95. 16	96. 250	97. D	98. < 0.01	99. 4	100. < 0.01	101. D	102. 0.01	103. 1
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.	144.	145.	146.	147.	148.
149.	150.	151.		152.	153.	154.	155.	156.	157.	158.	159.	160.	161.	162.	163.
164.	165.	166.		167.	168.	169.	170.	171.	172.	173.	174.	175.	176.	177.	178.

SEC.	SOLID FUEL			OIL			GAS			CONTROL EQUIPMENT			CONTROL EQUIPMENT			CONTROL EQUIPMENT			PROCESS CODE	APPLICABLE CODE (S)
G	TYPE	LBS/HR	%S	TYPE	G P H	%S	TYPE	C F H	BTU/CF	TYPE	NUMBER	TYPE	NUMBER	TYPE	NUMBER	194.	195.	212		
	179.	180.	181.	182.	183.	184.	185.	186.	187.	188. 09	189. 1	190.	191.	192.	193.					

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0143  
RUN DATE: 04/18/88

C 261400 0894 00077 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

O W N E R (1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601	F A C I L I T Y (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON	(11) CONFIDENTIAL STATUS NON-CO NFIDNT (12) APPLICATION STATUS IN COMPLIANC DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 06/30/83 PRIOR CO EXPIRATION DATE 06/30/88
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

<u>EMISSION</u>	(41)UTH-E: 284.8 KM.	(42)STACK HEIGHT: 21 FT.	(43)EXIT VELOCITY: 68.00 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
<u>POINT</u>	(46)UTH-N: 780.8 KM.	(47)HT ABV STRUC: 7 FT.	(48)EXIT FLOW: 800.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
<u>00077</u>	(51)GRND ELEV: 530 FT.	(52)STK DIAM: 6 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1	
<u>UNIT I</u>	(55)HOURS/DAY: 16.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1407	QUENCHING
	(59)BLDG: BLDG. 49	(60)FLOOR NAME: FLOOR 1 DEPT. 105	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. LATHE OPERATIONS - OIL MIST EXHAUST  
DESCRIPTION

CONTROL (73)TYPE: OD9 ELECTRIC PRECIPITATOR (74)MFG: DOLLINGER ELECTRO STAYNEW MOD. MC (75)ID: 1 (76)DATE INSTALLED: 01/73  
EQUIPMENT (77)DISPOSAL METHOD: 09 OTHER (78)USEFUL LIFE: 20 YEARS

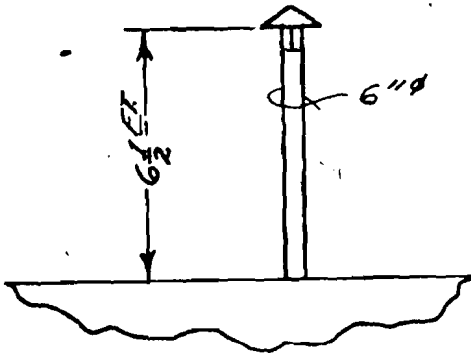
AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10 <sup>x</sup>	PERMISSIBL
OIL MIST	(085) NY090-00-0	(086) D	(087) .001	(088) 01	(089) 09	(090) .010	(091) 95.0	(092) .001	(093) 4.000	(094) 0	(095) 40.00

(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 07/01/83 1. NOT OPERATING AT TIME OF INSPECTION 2. PROCESS & CONTROL EQ. SAT. 3. 4. 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE <u>03/04/88</u> (21)INSPECTION STATUS <u>5</u> (22)DATE OF NEXT ACTION <u>1/1</u> (23)ISSUE DATE <u>06/30/88</u> (24)EXPIRATION DATE <u>06/30/93</u> (25)CO FEE <u>50</u>
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FIRM REP'S SIGNATURE: [Signature] DATE: 4/18/88 ISSUING OFFICER'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

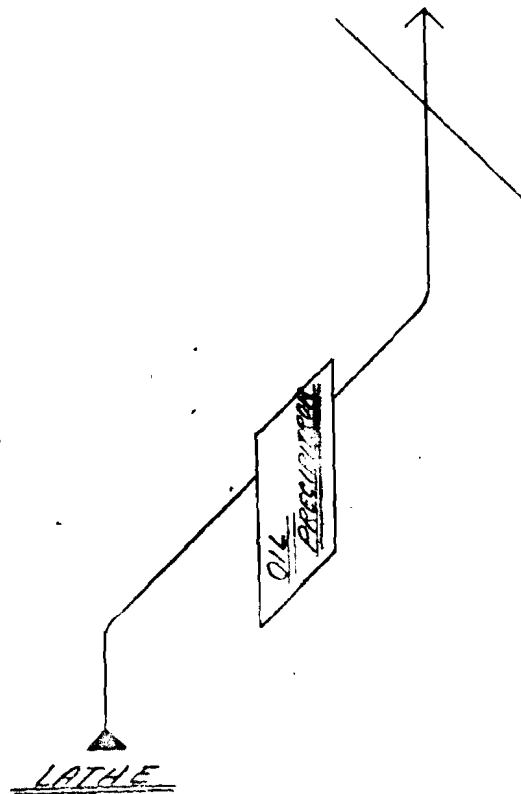
E.P. NO.	0	0	0	7	7
DWN 8-21-73 J. PIECH					
REV. _____					
_____					

DEPT. 105 BLDG. #49



BLOWER-DOLLINGER MOD. 50  
#9933

MOTOR - G.E. 1/2 H.P.  
#9932



ENV. RATING - D



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR ENVIRONMENTAL ANALYSIS RATING AND PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

PLEASE PRINT OR TYPE XX.

S E C T I O N A	1. NAME OF OWNER/FIRM <b>Taylor Instrument Process Control Div.</b>			9. NAME OF AUTHORIZED AGENT			10. TELEPHONE			19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)				
	2. NUMBER AND STREET ADDRESS <b>95 Ames Street</b>			11. NUMBER AND STREET ADDRESS			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)							
	3. CITY - TOWN - VILLAGE <b>Rochester</b>		4. STATE <b>New York</b>	5. ZIP <b>14601</b>	12. CITY - TOWN - VILLAGE		13. STATE	14. ZIP		21. CITY - TOWN - VILLAGE <b>Rochester</b>		22. COUNTY <b>Monroe</b>		
	6. OWNER CLASSIFICATION E. <input type="checkbox"/> STATE H. <input type="checkbox"/> HOSPITAL A. <input type="checkbox"/> COMMERCIAL C. <input type="checkbox"/> UTILITY F. <input type="checkbox"/> MUNICIPAL I. <input type="checkbox"/> RESIDENTIAL B. <input checked="" type="checkbox"/> INDUSTRIAL D. <input type="checkbox"/> FEDERAL G. <input type="checkbox"/> EDUC. INST. J. <input type="checkbox"/> OTHER			15. NAME OF P.E. OR ARCHITECT PREPARING PLANS		16. NYS P.E. OR ARCHT. LIC. NO.	17. TELEPHONE		23. BLDG. NAME OR NUMBER <b>Bldg. 49</b>		24. FLOOR NAME OR NUMBER <b>Floor 1 Dept. 285</b>			
7. NAME & TITLE OF OWNERS REPRESENTATIVE <b>Fred J. Belluscio Plant Engineer</b>			8. TELEPHONE <b>235-5000 ext. 357</b>		18. SIGNATURE OF REPRESENTATIVE OR AUTHORIZED AGENT <i>Fred J. Belluscio</i>						25. DATE APPLICATION COMPLETED <b>11/30/73</b>		26. EXPECTED DATE OF OPERATION <b>11/30/73</b>	
					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 C. <input checked="" type="checkbox"/> EXISTING SOURCE B. <input type="checkbox"/> MODIFICATION			

FOR AGENCY USE ONLY

29. LOCATION CODE <b>2614000894</b>	30. FACILITY ID. NO. <b>2848</b>	31. U.T.M. (E) <b>7808</b>	32. U.T.M. (N) <b>3821</b>	33. SIC NUMBER <b>3821</b>	34. DATE APPL. RECEIVED <b>6/25/74</b>	35. DATE APPL. REVIEWED <b>1/1/74</b>	36. REVIEWED BY <i>[Signature]</i>				
37. DATE ISSUED <b>1/1/74</b>				38. EXPIRATION DATE <b>1/1/77</b>		39. SIGNATURE OF APPROVAL <i>[Signature]</i>					
40. CONDITIONS: 1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2. THIS IS NOT A CERTIFICATE TO OPERATE 3. TESTS AND/OR ADDITIONAL AIR POLLUTION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE 4. STACK TEST REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>				41. DATE ISSUED <b>7/1/74</b>				42. EXPIRATION DATE <b>7/1/77</b>		43. SIGNATURE OF APPROVAL <i>[Signature]</i>	
				44. 1. <input checked="" type="checkbox"/> INSPECTED BY <i>[Signature]</i> Name <i>[Signature]</i> Date <b>6-12-74</b> 2. <input type="checkbox"/> DOES NOT REQUIRE INSPECTION 3. <input type="checkbox"/> INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES AS INDICATED ON FORM 4. <input type="checkbox"/> I RECOMMEND ISSUANCE OF A PROVISIONAL CERTIFICATE TO OPERATE PENDING THE APPROVAL OF STACK TESTS 5. <input checked="" type="checkbox"/> I RECOMMEND ISSUANCE OF A CERTIFICATE TO OPERATE THE SOURCE AS BUILT 6. <input type="checkbox"/> HAVE EPISODE ACTION PLANS BEEN ACCEPTED FOR THIS SOURCE EXEMPT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 7. <input type="checkbox"/> APPLICATION FOR C.O. DENIED							

UPON COMPLETION OF CONSTRUCTION, SIGN THE STATEMENT LISTED BELOW AND FORWARD TO THE APPROPRIATE FIELD REPRESENTATIVE

THE PROCESS, EXHAUST OR VENTILATING SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT: *Fred J. Belluscio* DATE: **6/25/74**

45. EMISSION POINT ID. <b>00078</b>	46. GROUND ELEV. (FT) <b>530</b>	47. HT. ABOVE STRUCTURES (FT) <b>-7</b>	48. STACK HT. (FT) <b>32</b>	49. INSIDE DIAM. (IN.) <b>20</b>	50. EXIT TEMP. (°F) <b>70</b>	51. EXIT VELOCITY (FT/SEC) <b>37</b>	52. EXIT FLOW RATE (SCFM) <b>4870</b>	53. DRAFT TYPE <input type="checkbox"/> N <input type="checkbox"/> F <input type="checkbox"/> T	54. WIND DIRECTION <b>110W</b>	55. RECEPTOR DISTANCE (FT) <b>332</b>	56. DRAWING NUMBERS OF PLANS SUBMITTED: <b>UN78</b>
--	-------------------------------------	--	---------------------------------	-------------------------------------	----------------------------------	---	--	--	-----------------------------------	--	--

57. DESCRIBE PROCESS OR UNIT:  
**Grinding Room Exhaust System.**

58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS:  
**15**

CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	FUEL TYPE	FLOW RATE (SCFM)	TEMP (°F)	PRESSURE DROP (IN. H <sub>2</sub> O)	HORSE POWER	CONTAM'T CONTROL'D	EFFICIENCY (%)	HOW DET.	DISP. METH.	INITIAL COST (\$)	OPER. COST (\$)	DATE INSTALLED	USEFUL LIFE
59. 01	60. Buffalo Forge - #405H	61. NA	62. 4870	63. 70	64. 0.5	65. 20	66. 0.45	67. 95	68. 9	69. 9	70. -	71. -	72. /	73. /
74. 05	75. Cyclone Separator	76. NA	77. 4870	78. 70	79. 2.0	80. 20	81. 0.75	82. 80	83. 2	84. 1	85. -	86. -	87. /	88. /

CALCULATIONS IN DETERMINING INPUT OR PRODUCTION RATE, EMISSION RATE POTENTIAL AND ACTUAL EMISSIONS:  
**Metal and abrasive particulates from tool grinding operations.**  
**Emission estimated on process survey.**  
**Approx 100 lbs./yr. of grinding dust removed from Cyclone separator.**  
**This is equal to 2 lbs./week or .025 lbs./hr. for 16 hrs./day of particulate matter.**

CONTAMINANT NAME	%	CODE	INPUT OR PRODUCTION UNITS	E R P (LBS / HR)	HRS DAY	DAYS YR	PROPOSED RATING	ACTUAL EMISSIONS UNITS	ACTUAL EMISSIONS (LBS / HR)	AGENCY USE ONLY				
										ENV. RATING	ALLOWABLE EMISSIONS	UNITS		
89. Iron (s)	90. 95	91. 0.45	92. 0.02	93. 1	94. < .02	95. 16	96. 250	97. D	98. 0.02	99. 1	100. < .02	101. B	102. 0.3	103. 5
104. Abrasive (s)	105. 95	106. 0.75	107. 0.01	108. 1	109. < .01	110. 16	111. 250	112. D	113. 0.02	114. 1	115. < .02	116. B	117. 0.3	118. 5
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.	144.	145.	146.	147.	148.
149.	150.	151.	152.	153.	154.	155.	156.	157.	158.	159.	160.	161.	162.	163.
164.	165.	166.	167.	168.	169.	170.	171.	172.	173.	174.	175.	176.	177.	178.

SOLID FUEL TYPE	LBS/HR	%S	OIL TYPE	G P H	%S	GAS TYPE	C F H	BTU/CF	CONTROL EQUIPMENT					
									TYPE	NUMBER	TYPE	NUMBER	TYPE	NUMBER
179.	180.	181.	182.	183.	184.	185.	186.	187.	188. 01	189. 1	190. 05	191. 1	192.	193.

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0144  
RUN DATE: 04/18/88

261400 0894 00078 W I  
LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

O W N E R (1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601	F A C I L I T Y (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON	(11) CONFIDENTIAL STATUS NON-CONFIDNTL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 06/30/83 PRIOR CO EXPIRATION DATE 06/30/88
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00078 (41)UTM-E: 284.8 KM. (46)UTM-N: 780.8 KM. (51)GRND ELEV: 530 FT.	(42)STACK HEIGHT: 32 FT. (47)HT ABV STRUC: 7 FT. (52)STK DIAM: 24 IN.	(43)EXIT VELOCITY: 25.80 FT/SEC (48)EXIT FLOW: 4870.00 ACFM (53)EXIT TEMP: 70 DEGR F	(44)SIC: 3821 (49)CO FEE: \$50.00 (54)CO CONDITIONS: 1	(45)AGENCY-CODE-1: (50)AGENCY-CODE-2: (55)HOURS/DAY: 16.0 (59)BLDG: BLDG. 49	(56)DAYS/YEAR: 250 (60)FLOOR NAME: FLOOR 1 DEPT. 285	(57)% OP BY SEASON: 25 25 25 25 (61)RULE 1: 212.00	(58)SOURCE CODE: A1103 SANDING OR GRINDING (62)RULE 2:
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PROCESS/UNIT (72)DESCRIPTION 1. GRINDING ROOM EXHAUST SYSTEM.  
DESCRIPTION

CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: BUFFALO FORGE - #40MN	(75)ID: 1	(76)DATE INSTALLED: 01/70
		(77)DISPOSAL METHOD: 09 OTHER		(78)USEFUL LIFE: 20 YEARS
CONTROL EQUIPMENT	(79)TYPE: 005 CYCLONE	(80)MFG: CYCLONE SEPARATOR	(81)ID: 2	(82)DATE INSTALLED: 01/70
		(83)DISPOSAL METHOD: 02 LANDFILL - OFFSITE		(84)USEFUL LIFE: 20 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HLRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10 <sup>x</sup>	PERMISSIBLE
IRON	(085) 07439-89-6	(086) B	(087) .001	(088) 20	(089) 09	(090)	(091) 90.0	(092) .020	(093) 80.000	(094) 0	(095) 26298
TOTAL SOLID PART	(107) NY079-00-0	(108) B	(109)	(110) 20	(111)	(112) .150	(113)	(114)	(115)	(116) 0	(117)139.000

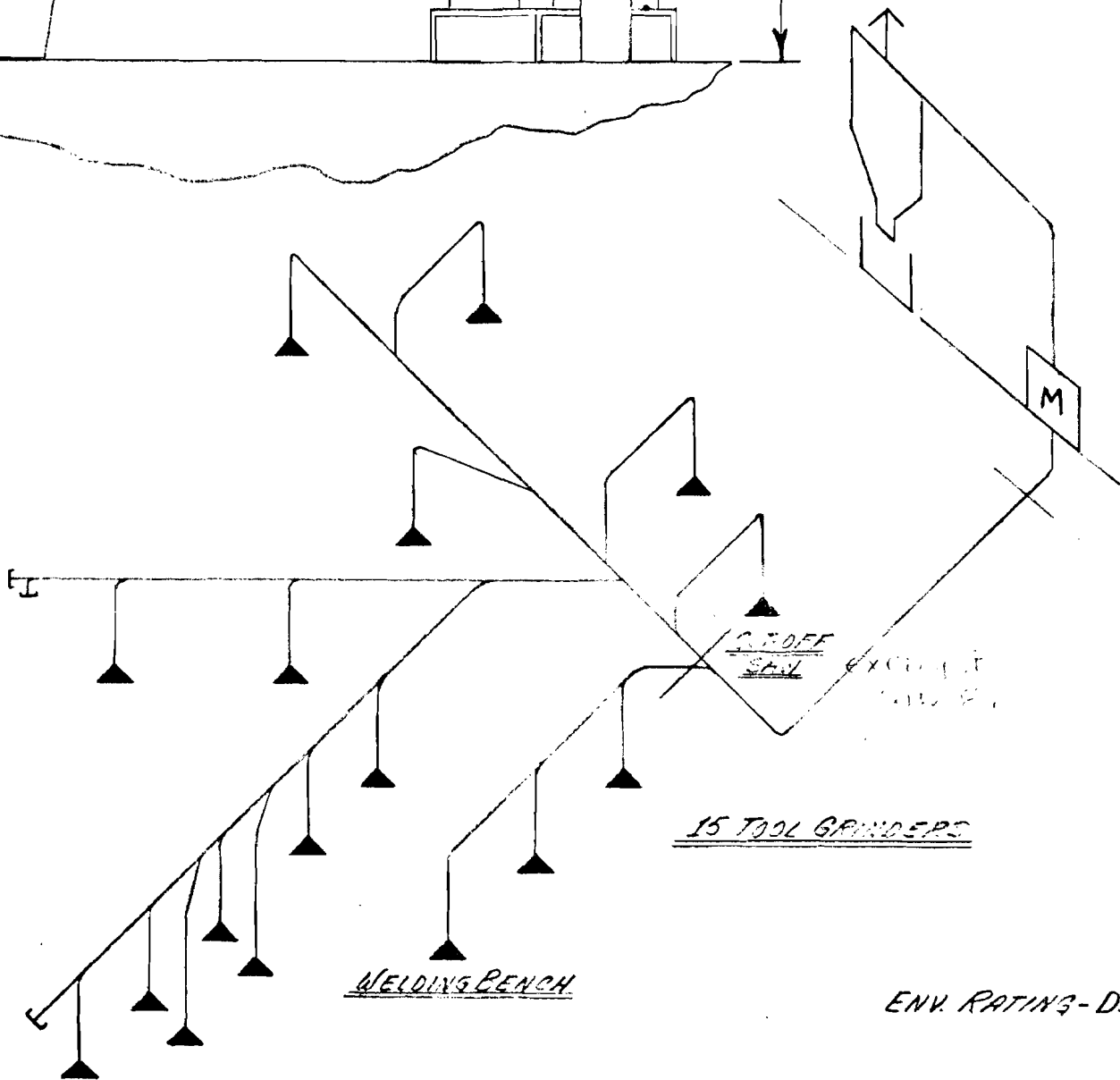
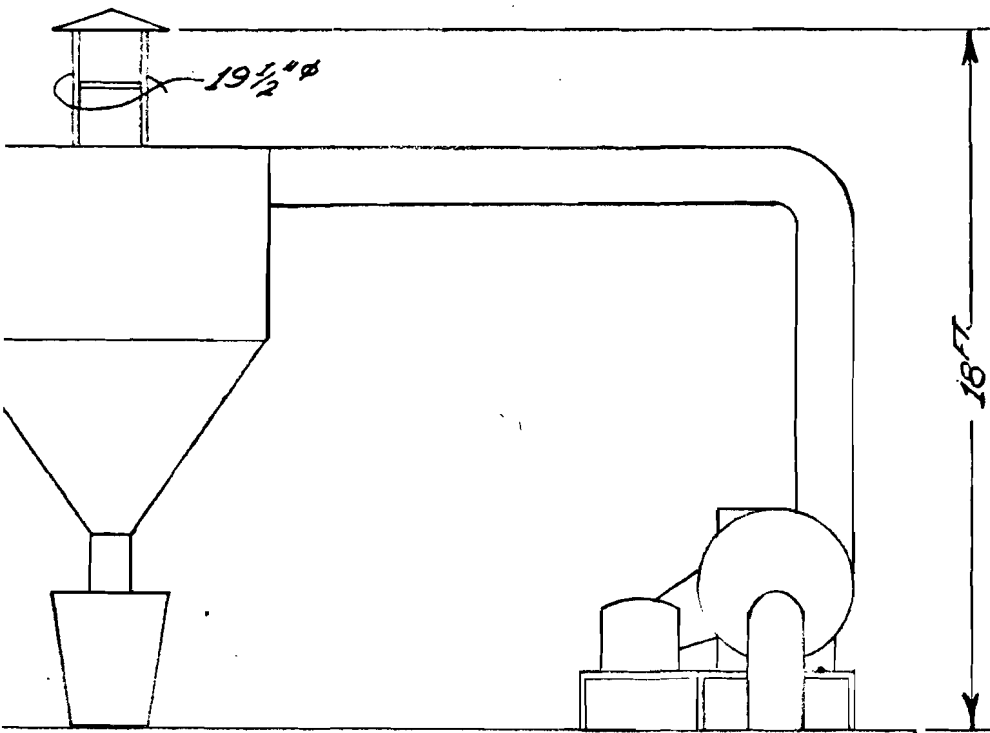
(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 07/01/83	(18)CURRENT COMMENTS (19)BY _____ (20)DATE / /	(27)LAST INSPECTION DATE 03/04/88
1. OPERATING AT TIME OF INSPECTION	1. _____	(21)INSPECTION STATUS 5
2. PROCESS EQ. SAT.	2. _____	(22)DATE OF NEXT ACTION / /
3.	3. _____	(23)ISSUE DATE 06/30/88
4. NO VISUAL EMISSIONS	4. _____	(24)EXPIRATION DATE 06/30/88
5.	5. _____	(25)CO FEE 50

E.P. NO.	0	0	0	7	8
DWN.	8-22-73 J. PIECH				
REV.	_____				
	_____				

DEPT. 285 BLDG. #49

BLOWER: BUFFALO INDL.  
 SIZE-40 TYPE-MW  
 SHOP ORD. J-3343

MOTOR: BALDOR - 20 H.P.  
 SER. NO. 67  
 #11309



ENV. RATING - D.



PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR ENVIRONMENTAL ANALYSIS RATING AND PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

PLEASE PRINT OR TYPE XX

S E C T I O N A	1. NAME OF OWNER/FIRM <b>Taylor Instrument Process Control Div.</b>			9. NAME OF AUTHORIZED AGENT			10. TELEPHONE			19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)		
	2. NUMBER AND STREET ADDRESS <b>95 Ames Street</b>			11. NUMBER AND STREET ADDRESS			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)					
	3. CITY - TOWN - VILLAGE <b>Rochester</b>		4. STATE <b>New York</b>	5. ZIP <b>14601</b>	12. CITY - TOWN - VILLAGE		13. STATE	14. ZIP		21. CITY - TOWN - VILLAGE <b>Rochester</b>		22. COUNTY <b>Monroe</b>
	6. OWNER CLASSIFICATION E. <input type="checkbox"/> STATE H. <input type="checkbox"/> HOSPITAL A. <input type="checkbox"/> COMMERCIAL C. <input type="checkbox"/> UTILITY F. <input type="checkbox"/> MUNICIPAL I. <input type="checkbox"/> RESIDENTIAL B. <input checked="" type="checkbox"/> INDUSTRIAL D. <input type="checkbox"/> FEDERAL G. <input type="checkbox"/> EDUC. INST. J. <input type="checkbox"/> OTHER			15. NAME OF P.E. OR ARCHITECT PREPARING PLANS			16. NYS PE OR ARCHT. LIC. NO.			17. TELEPHONE		
7. NAME & TITLE OF OWNERS REPRESENTATIVE <b>Fred J. Belluscio Plant Engineer</b>			8. TELEPHONE <b>235-5000 ext. 3573</b>			18. SIGNATURE OF REPRESENTATIVE OR AUTHORIZED AGENT <i>Fred J. Belluscio</i>						
25. DATE APPLICATION COMPLETED <b>11 / 30 / 73</b>			26. EXPECTED DATE OF OPERATION <b>11 / 30 / 73</b>									
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 C. <input checked="" type="checkbox"/> EXISTING SOURCE B. <input type="checkbox"/> MODIFICATION									

FOR AGENCY USE ONLY

29. LOCATION CODE <b>26140000849</b>	30. FACILITY ID. NO. <b>2848</b>	31. U. T. M. (E) <b>7808</b>	32. U. T. M. (N) <b>2521</b>	33. SIC NUMBER <b>2521</b>	34. DATE APPL. RECEIVED <b>6/25/74</b>	35. DATE APPL. REVIEWED <b>7/1/74</b>	36. REVIEWED BY <b>ADP/SEA</b>								
37. DATE ISSUED <b>7/1/74</b>				38. EXPIRATION DATE <b>7/1/77</b>				39. SIGNATURE OF APPROVAL <i>Stanley Gulner</i>							
40. CONDITIONS: 1. DEVIATION FROM APPROVED APPLICATION SHALL VOID THIS PERMIT 2. THIS IS NOT A CERTIFICATE TO OPERATE 3. TESTS AND/OR ADDITIONAL AIR POLLUTION CONTROL EQUIPMENT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A CERTIFICATE TO OPERATE 4. STACK TEST REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>				41. DATE ISSUED <b>7/1/74</b>				42. EXPIRATION DATE <b>7/1/77</b>				43. SIGNATURE OF APPROVAL <i>Stanley Gulner</i>			
44. <input checked="" type="checkbox"/> INSPECTED BY <i>J. Kennedy</i> Name Date <b>6-12-74</b>				44. <input type="checkbox"/> DOES NOT REQUIRE INSPECTION				44. <input type="checkbox"/> INSPECTION DISCLOSED DIFFERENCES AS BUILT VS PERMIT, CHANGES AS INDICATED ON FORM				44. <input type="checkbox"/> I RECOMMEND ISSUANCE OF A PROVISIONAL CERTIFICATE TO OPERATE PENDING THE APPROVAL OF STACK TESTS			
44. <input checked="" type="checkbox"/> I RECOMMEND ISSUANCE OF A CERTIFICATE TO OPERATE THE SOURCE AS BUILT				44. <input type="checkbox"/> HAVE EPISODE ACTION PLANS BEEN ACCEPTED FOR THIS SOURCE EXEMPT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>				44. <input type="checkbox"/> APPLICATION FOR C. O. DENIED				44. <input type="checkbox"/> APPLICATION FOR C. O. DENIED			

UPON COMPLETION OF CONSTRUCTION, SIGN THE STATEMENT LISTED BELOW AND FORWARD TO THE APPROPRIATE FIELD REPRESENTATIVE

THE PROCESS, EXHAUST OR VENTILATING SYSTEM HAS BEEN CONSTRUCTED AND WILL BE OPERATED IN ACCORDANCE WITH STATED SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXISTING REGULATIONS

SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT: *Fred J. Belluscio* DATE: **6/26/74**

45. EMISSION POINT ID. <b>00084</b>	46. GROUND ELEV. (FT) <b>530</b>	47. HT. ABOVE STRUCTURES (FT) <b>7</b>	48. STACK HT. (FT) <b>45</b>	49. INSIDE DIAM. (IN.) <b>35</b>	50. EXIT TEMP. (°F) <b>70</b>	51. EXIT VELOCITY (FT/SEC) <b>19</b>	52. EXIT FLOW RATE (SCFM) <b>7540</b>	53. DRAFT TYPE <input checked="" type="checkbox"/> N <input type="checkbox"/> F <input type="checkbox"/> L	54. WIND DIRECTION <b>103</b>	55. RECEPTOR DISTANCE (FT) <b>205</b>	56. DRAWING NUMBERS OF PLANS SUBMITTED: <b>0004</b>
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57. DESCRIBE PROCESS OR UNIT:  
**Grinding Room Exhaust System**

58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS:  
**8**

CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	FUEL TYPE	FLOW RATE (SCFM)	TEMP (°F)	PRESSURE DROP (IN. H <sub>2</sub> O)	HORSE POWER	CONTAM'T CONTROL'D	EFFICIENCY (%)	HOW DET.	DISP. METH.	INITIAL COST (\$)	OPER. COST (\$)	DATE INSTALLED	USEFUL LIFE
59. 01	60. Buffalo Forge #45 OW	61. NA	62. 7540	63. 70	64. 0.75	65. 20	66. 075	67. 95	68. 9	69. 1	70. -	71. -	72. /	73.
74. 05	75. Cyclone Separator	76. NA	77. 7540	78. 70	79. 1.50	80. 20	81. 075	82. 80	83. 9	84. 1	85. -	86. -	87. /	88.

CALCULATIONS IN DETERMINING INPUT OR PRODUCTION RATE, EMISSION RATE POTENTIAL AND ACTUAL EMISSIONS:

**A wide variety of grinding and buffing operations, all of which result in generation of metal and abrasive dust. At separator efficiency of 80% we collect 500 lb./yr. of metal dust. Therefore, approx. 125 lbs./yr. goes into the atmosphere - all systems combined.**

CONTAMINANT NAME	%	CODE	INPUT OR PRODUCTION UNITS	ERP (LBS/HR)	HRS DAY	DAYS YR	PROPOSED RATING	ACTUAL EMISSIONS UNITS	ACTUAL EMISSIONS (LBS/HR)	AGENCY USE ONLY				
										ENV. RATING	ALLOWABLE EMISSIONS	UNITS		
89. Metal & Abrasives (a)	90. 00	91. 075	92. 3	93. 3	94. 8	95. 250	96. C	98. 0.06	99. 1	100. 0.03	101. B	102. 0.03	103. 1	
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.	144.	145.	146.	147.	148.
149.	150.	151.	152.	153.	154.	155.	156.	157.	158.	159.	160.	161.	162.	163.
164.	165.	166.	167.	168.	169.	170.	171.	172.	173.	174.	175.	176.	177.	178.

SOLID FUEL TYPE	LBS/HR	%S	OIL TYPE	GPH	%S	GAS TYPE	CFH	BTU/CF	CONTROL EQUIPMENT					
									TYPE	NUMBER	TYPE	NUMBER	TYPE	NUMBER
179.	180.	181.	182.	183.	184.	185.	186.	187.	188. 01	189. 1	190. 05	191. 1	192.	193.

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0154  
RUN DATE: 04/18/88

261400 0894 00084 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

(1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601		F A C I L I T Y (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON		(11) CONFIDENTIAL STATUS NON-CONFIDNTL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 06/30/83 PRIOR CO EXPIRATION DATE 06/30/88	
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FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

(41)UTH-E: 284.8 KM. (46)UTM-N: 780.8 KM. (51)GRND ELEV: 530 FT.	(42)STACK HEIGHT: 49 FT. (47)HT ABV STRUC: 11 FT. (52)STK DIAM: 12 IN.	(43)EXIT VELOCITY: 160.00 FT/SEC (48)EXIT FLOW: 7540.00 ACFM (53)EXIT TEMP: 70 DEGR F	(44)SIC: 3821 (49)CO FEE: \$50.00 (54)CO CONDITIONS: 1	(45)AGENCY-CODE-1: (50)AGENCY-CODE-2:
(55)HOURS/DAY: 8.0 (59)BLDG: BLDG. 30-N	(56)DAYS/YEAR: 250 (60)FLOOR NAME: FLOOR 1 DEPT. 130	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1103 SANDING OR GRINDING (61)RULE 1: 212.00 (62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. GRINDING ROOM EXHAUST SYSTEM  
DESCRIPTION

CONTROL EQUIPMENT (73)TYPE: 001 FAN	(74)MFG: BUFFALO FORGE #450W (77)DISPOSAL METHOD: 09 OTHER	(75)ID: 01	(76)DATE INSTALLED: 01/75 (78)USEFUL LIFE: 15 YEARS
CONTROL EQUIPMENT (79)TYPE: 005 CYCLONE	(80)MFG: CYCLONE SEPARATOR (83)DISPOSAL METHOD: 02 LANDFILL - OFFSITE	(81)ID: 2	(82)DATE INSTALLED: 01/75 (84)USEFUL LIFE: 15 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HON DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
PARTICULATES	(085) NY075-00-0	(086) B	(087) 175.000	(088) 20	(089) 09	(090) .050	(091) 95.0	(092) .060	(093) 120.000	(094) 0	(095) 20350

0.001

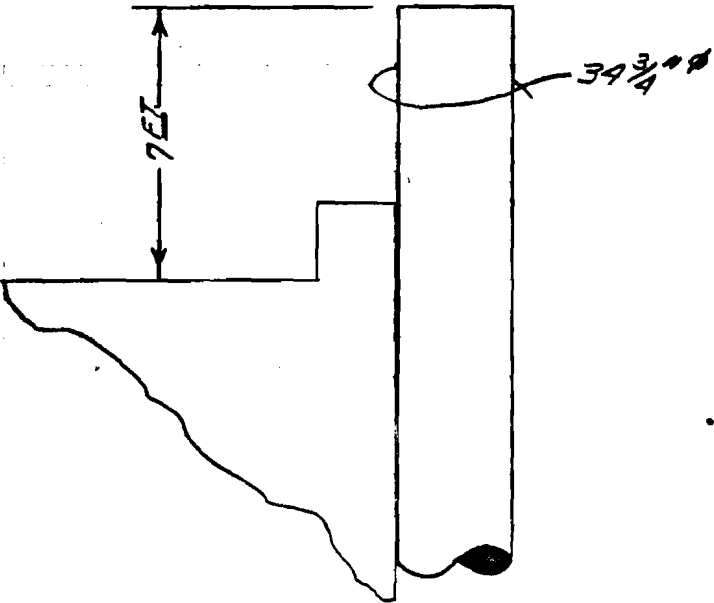
(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 07/01/83 1. OPERATING AT TIME OF INSPECTION 2. PROCESS EQ. SAT. 3. 4. NO VISUAL EMISSIONS 5.	(18)CURRENT COMMENTS (19)BY _____ (20)DATE ____/____/____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	(27)LAST INSPECTION DATE 03/04/83 (21)INSPECTION STATUS 5 (22)DATE OF NEXT ACTION 1/1 (23)ISSUE DATE 06/30/85 (24)EXPIRATION DATE 06/30/93 (25)CO FEE 50
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FORM DEPT'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_ ISSUING OFFICER'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_



E.P. NO.	00084
DWN. 8-16-73	J. PIECH
REV.	_____
	_____

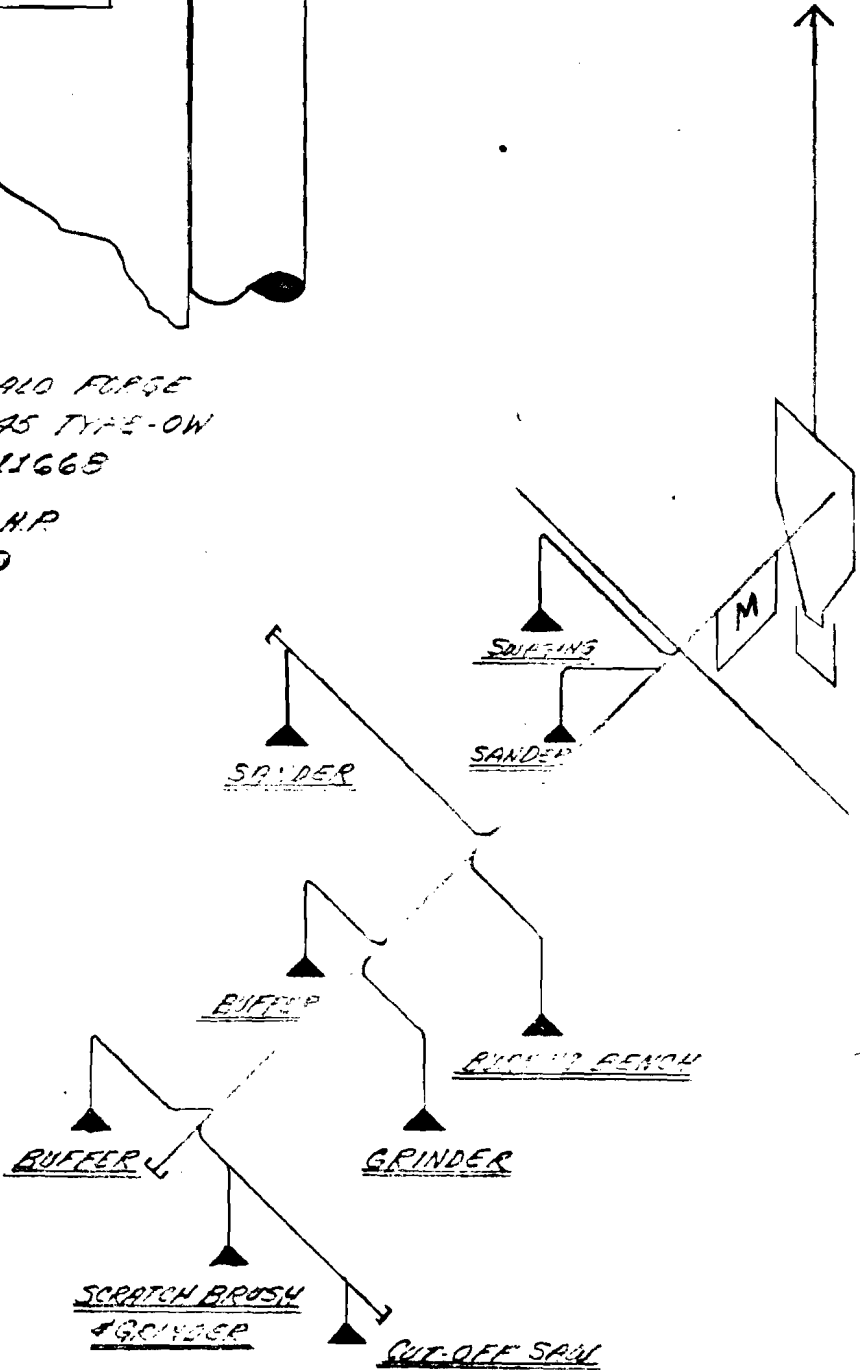
DEPT. 130 BLDG. #30N



BLOWER: BUFFALO FORGE  
 SIZE: 45 TYPE-OW  
 #11668

MOTOR: G.E. 20 H.P.  
 #11669

ENV. FILING - C



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

READ INSTRUCTIONS CONTAINED IN FORM 76-11-12 BEFORE ANSWERING ANY QUESTION

A ADD  
 C CHANGE  
 D DELETE

1. NAME OF OWNER/FIRM: TAYLOR INSTRUMENT COMPANY  
 2. NUMBER AND STREET ADDRESS: 95 Ames Street  
 3. CITY-TOWN-VILLAGE: Rochester  
 4. STATE: New York  
 5. ZIP: 14601  
 6. OWNER CLASSIFICATION: B. INDUSTRIAL  
 7. NAME & TITLE OF OWNERS REPRESENTATIVE: Frank Cervelloni, Manager of Facilities  
 8. TELEPHONE: 235-5000 Ext. 3573  
 9. NAME OF AUTHORIZED AGENT: Energy Planning, Inc. Fred J. Belluscio  
 10. TELEPHONE: 385-4280  
 11. NUMBER AND STREET ADDRESS: 100 Bluff Dr. P.O. Box 387  
 12. CITY-TOWN-VILLAGE: East Rochester  
 13. STATE: New York  
 14. ZIP: 14445  
 15. NAME OF P.E. OR ARCHITECT PREPARING APPLICATION: Fred J. Belluscio, P.E.  
 16. N.Y.S. P.E. OR ARCHITECT LICENSE NO.: 028156  
 17. TELEPHONE: 385-4280  
 18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT: Fred J. Belluscio 2/18/81  
 19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM):  
 20. FACILITY LOCATION (NUMBER AND STREET ADDRESS):  
 21. CITY-TOWN-VILLAGE:  
 22. ZIP:  
 23. BUILDING NAME OR NUMBER: Bldg. 7  
 24. FLOOR NAME OR NUMBER: Floor 1, Dept. 095  
 25. START UP DATE: 1/71  
 26. DRAWING NUMBERS OF PLANS SUBMITTED: 00081  
 27. PERMIT TO CONSTRUCT: A. NEW SOURCE  B. MODIFICATION   
 28. CERTIFICATE TO OPERATE: A. NEW SOURCE  B. MODIFICATION

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
00081	530	-13	26	20	70	25	3160		8	250	Winter: 2 5 2 5 Summer: 2 5 2 5 Fall: 2 5 2 5

41. DESCRIBE PROCESS OR UNIT: Welding Department Exhaust System

2. 3. 4. 5. 6. 7. 8.

EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
42. 01	43. 01	44. Buffalo Forge #55	45. 9	46. 1 / 71	47.
48.	49.	50.	51.	52.	53.

CALCULATIONS

Individual calculations are to be found on accompanying forms 76-19-4. The table at right shows the location of the operations within the department.

Group No.	Hood No.	Operation
I	1,2,4-12	Soldering
II	3,31,32	Grinders
III	13-19, 21-28	TIG Welding
IV	29	Process A
V	30	Degreaser
VI	33	Hot Plate
	20	Not in use

CONTAMINANT	NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV RATING	EMISSIONS						% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)		
						ACTUAL	UNIT	HOW DET	PERMISSIBLE	ERP	ACTUAL		ACTUAL	10*	PERMISSIBLE		
54. Solder Fume		55. N4075-00-0	56.	57. B	58.	59. 0.04	60. 21	61. 9	62. 5	63. 0	64. 0.01	65. 0.01	66. 2.18	67. 2.18	68.		
69. Metal Dust		70. N4075-00-2	71.	72. B	73.	74. 0.04	75. 74	76. 5	77.	78. 0	79.	80.	81.	82.	83.		
84. Iron Oxide Welding Fume		85. 01345-25-1	86.	87. B	88.	89. 0.006	90. 21	91. 9	92. 5	93. 0	94. 0.001	95. 0.001	96. 0.324	97. 0.324	98.		
99. Hydrocarbon Fraction		100. N4490-00-0	101.	102. D	103.	104. 0.009	105. 1	106. 9	107. 5	108. 0	109. 0.009	110. 0.009	111. 1.84	112. 1.84	113.		
114. Trichloroethylene		115. 00099-01-6	116.	117. D	118.	119. 0.07	120. 1	121. 9	122. 0.07	123. 0	124. 0.07	125. 0.07	126. 1.51	127. 1.51	128.		
129. Water Vapor		130.	131.	132.	133.	134.	135.	136.	137.	138.	139.	140.	141.	142.	143.		

SOLID FUEL TONS/YR	% S	OIL THOUSANDS OF GALLONS / YR	% S	GAS THOUSANDS OF CF/YR	BTU/GF	APPLICABLE RULE	APPLICABLE RULE			
144.	145.	146.	147.	148.	149.	150.	151.	152.	153. 212	154.

Upon completion of construction sign the statement listed below and forward to the appropriate field representative

THE PROCESS, EXHAUST OR 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: Cervelloni  
 DATE: 2-23-81

156. LOCATION CODE: 261400  
 157. FACILITY ID. NO.: 0894  
 158. U.T.M. (E): 7848  
 159. U.T.M. (N): 4083  
 160. SIC NUMBER: 3821  
 161. DATE APPL RECEIVED: 2/24/81  
 162. DATE APPL REVIEWED: 3/3/81  
 163. REVIEWED BY: J. Kennedy

PERMIT TO CONSTRUCT

164. DATE ISSUED: / /  
 165. EXPIRATION DATE: / /  
 166. SIGNATURE OF APPROVAL:  
 167. FEE:

168. 1. 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

RECOMMENDED ACTION RE: C.O.

169. DATE ISSUED: 04/02/81  
 170. EXPIRATION DATE: 06/30/83  
 171. SIGNATURE OF APPROVAL: Thomas J. Maurer  
 172. FEE: 0

173. 1.  INSPECTED BY: J. Kennedy DATE: 7-8-80  
 2.  INSPECTION DISCLOSED DIFFERENCES AS BUILT VS. PERMIT, CHANGES INDICATED ON FORM  
 3.  ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT  
 4.  APPLICATION FOR C.O. DENIED DATE: INITIALS:

174. SPECIAL CONDITIONS:

0 NONE

2. 3. 4. 5. 6. 7. 8.

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0150  
RUN DATE: 04/18/88

C 261400 0894 00081 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

OWNER (1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601	FACILITY (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON	(11) CONFIDENTIAL STATUS NON-CONFIDENTIAL (12) APPLICATION STATUS IN COMPLIANCE DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 06/30/83 PRIOR CO EXPIRATION DATE 06/30/88
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PAGE 6  
CONTINUED FROM PREVIOUS PAGE

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00081

(41)UTM-E: 284.8 KM. (42)STACK HEIGHT: 26 FT. (43)EXIT VELOCITY: 24.10 FT/SEC (44)SIC: 3821 (45)AGENCY-CODE-1:  
 (46)UTM-N: 780.8 KM. (47)HT ABV STRUC: -13 FT. (48)EXIT FLOW: 3160.00 ACFM (49)CO FEE: \$50.00 (50)AGENCY-CODE-2:  
 (51)GRND ELEV: 530 FT. (52)STK DIAM: 20 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

UNIT I (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A  
 (59)BLDG: 7 (60)FLOOR NAME: 1 (61)RULE 1: 212.00 (62)RULE 2:

PROCESS/UNIT (72)DESCRIPTION 1. WELDING DEPARTMENT EXHAUST SYSTEM  
DESCRIPTION

CONTROL EQUIPMENT (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE 55 (75)ID: 01 (76)DATE INSTALLED: 01/71  
 (77)DISPOSAL METHOD: 09 OTHER (78)USEFUL LIFE: 20 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S					% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE	ACTUAL			10 <sup>x</sup>	PERMISSIBLE	
PARTICULATES	(085) NY075-00-0	(086) B	(087) .040	(088) 21	(089) 09	(090) 5.000	(091)	(092) .010	(093) 2.180	(094) 1	(095) 2.180	
PARTICULATES(METAL)	(096) NY075-00-2	(097) B	(098)	(099) 94	(100) 05	(101)	(102)	(103)	(104)	(105)	(106)	
IRON OXIDE	(107) 01345-25-1	(108) B	(109) .006	(110) 21	(111) 09	(112) 5.000	(113)	(114) .001	(115) .324	(116) 1	(117) .324	
MISCELLANEOUS ORG	(118) NY990-00-0	(119) D	(120) .009	(121) 01	(122) 09	(123) 5.000	(124)	(125) .009	(126) 1.840	(127) 1	(128) 1.840	
TRICHLOROETHYLENE	(129) 00079-01-6	(130) D	(131) .070	(132) 01	(133) 09	(134) .070	(135)	(136) .070	(137) 1.510	(138) 2	(139) 1.510	

(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 07/01/83  
 1. OPERATING AT TIME OF INSPECTION  
 2. PROCESS EQ. SAT.  
 3.  
 4. NO VISUAL EMISSIONS  
 5.

(18)CURRENT COMMENTS (19)BY \_\_\_\_\_ (20)DATE / /  
 1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_

(27)LAST INSPECTION DATE 03/04/88  
 (21)INSPECTION STATUS 5  
 (22)DATE OF NEXT ACTION / /  
 (23)ISSUE DATE 06/30/88  
 (24)EXPIRATION DATE 06/30/88  
 (25)CO FEE 50

FORM PERM SIGNATURE:

DATE:

ISSUING OFFICER'S SIGNATURE:

DATE:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0145  
RUN DATE: 04/18/88

C 261400 0894 00081 W I01

LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

O W N E R		F A C I L I T Y		(11) CONFIDENTIAL STATUS	NON-CONFIDNT
(1) TAYLOR INSTRUMENT PRO CONT DIV	(6) TAYLOR INST PROCESS CONTROL			(12) APPLICATION STATUS	IN COMPLIANC
(2) 95 AMES ST	(7) 95 AMES ST			DATE OF LAST CHANGE	04/07/88
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14601			PRIOR CO ISSUE DATE	06/30/83
(5) 14601	(10) REP: ROBERT HALTON			PRIOR CO EXPIRATION DATE	06/30/88

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION (41)UTM-E: 284.8 KM. (42)STACK HEIGHT: 26 FT. (43)EXIT VELOCITY: 24.10 FT/SEC (44)SIC: 3821 (45)AGENCY-CODE-1:  
POINT (46)UTM-N: 780.8 KM. (47)HT ABV STRUC: -13 FT. (48)EXIT FLOW: 3160.00 ACFM (49)CO FEE: \$50.00 (50)AGENCY-CODE-2:  
00081 (51)GRND ELEV: 530 FT. (52)STK DIAM: 20 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

UNIT I01 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A1408 SOLDERING

PROCESS/UNIT (72)DESCRIPTION 1. SOLDERING OPERATIONS - HOOD #1 2 4-12  
DESCRIPTION

CONTROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE #55 (75)ID: 01 (76)DATE INSTALLED: 01/71  
EQUIPMENT (77)DISPOSAL METHOD: 09 OTHER (78)USEFUL LIFE:

AIR CONTAMINANTS	CAS NUMBER	E M I S S I O N S			% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)	
		ACTUAL	UNIT	HOW DET			ACTUAL	10 <sup>x</sup>
PARTICULATES	(085) NY075-00-0	(087) .040	(088) 21	(089) 09	(091)	(092) .010	(093) 2.180	(094) 1

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0146  
RUN DATE: 04/18/88

C 261400 0894 00081 W I02

LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

O W N E R (1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601	F A C I L I T Y (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON	(11) CONFIDENTIAL STATUS NON-CONFIDNT (12) APPLICATION STATUS IN COMPLIANC DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 06/30/83 PRIOR CO EXPIRATION DATE 06/30/88
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P A G E 2  
C O N T I N U E D F R O M P R E V I O U S P A G E

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

<u>EMISSION</u>	(41)UTM-E: 284.8 KM.	(42)STACK HEIGHT: 26 FT.	(43)EXIT VELOCITY: 24.10 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
<u>POINT</u>	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: -13 FT.	(48)EXIT FLOW: 3160.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
<u>00081</u>	(51)GRND ELEV: 530 FT.	(52)STK DIAM: 20 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	
<u>UNIT I02</u>	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1103	SANDING OR GRINDING
PROCESS/UNIT DESCRIPTION	(72)DESCRIPTION 1. GRINDERS HOOD #3 31 32				
CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: BUFFALO FORGE #55	(75)ID: 01	(76)DATE INSTALLED: 01/71	(77)USEFUL LIFE:
		(77)DISPOSAL METHOD: 09 OTHER			

AIR CONTAMINANTS	CAS NUMBER	E M I S S I O N S					% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)	
		ACTUAL	UNIT	HOW DET	ACTUAL	10 <sup>x</sup>				
PARTICULATES(METAL)	(085) NY075-00-2	(087)	(088) 94	(089) 05	(091)	(092)	(093)	(094)		

C O N T I N U E D O N N E X T P A G E

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0147  
RUN DATE: 04/18/88

C 261400 0894 00081 W I03

LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

O W N E R		F A C I L I T Y		(11) CONFIDENTIAL STATUS	NON-CONFIDNT
(1) TAYLOR INSTRUMENT PRO CONT DIV	(6) TAYLOR INST PROCESS CONTROL			(12) APPLICATION STATUS	IN COMPLIANC
(2) 95 AMES ST	(7) 95 AMES ST			DATE OF LAST CHANGE	04/07/88
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14601			PRIOR CO ISSUE DATE	06/30/83
(5) 14601	(10) REP: ROBERT HALTON			PRIOR CO EXPIRATION DATE	06/30/88

PAGE 3  
CONTINUED FROM PREVIOUS PAGE

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION (41)UTM-E: 284.8 KM. (42)STACK HEIGHT: 26 FT. (43)EXIT VELOCITY: 24.10 FT/SEC (44)SIC: 3821 (45)AGENCY-CODE-1:  
POINT (46)UTM-N: 780.8 KM. (47)HT ABV STRUC: -13 FT. (48)EXIT FLOW: 3160.00 ACFM (49)CO FEE: \$50.00 (50)AGENCY-CODE-2:  
00081 (51)GRND ELEV: 530 FT. (52)STK DIAM: 20 IN. (53)EXIT TEMP: 70 DEGR F (54)CO CONDITIONS: 1 3

UNIT I03 (55)HOURS/DAY: 8.0 (56)DAYS/YEAR: 250 (57)% OP BY SEASON: 25 25 25 25 (58)SOURCE CODE: A1410 WELDING

PROCESS/UNIT (72)DESCRIPTION 1. TIG WELDING - HOOD #13-19 21-28  
DESCRIPTION

CONTROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE #55 (75)ID: 01 (76)DATE INSTALLED: 01/71  
EQUIPMENT (77)DISPOSAL METHOD: 09 OTHER (78)USEFUL LIFE:

AIR CONTAMINANTS	CAS NUMBER	E M I S S I O N S			% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)	
		ACTUAL	UNIT	HOW DET			ACTUAL	10*
IRON OXIDE	(085) 01345-25-1	(087) .006	(088) 21	(089) 09	(091)	(092) .001	(093) .324	(094) 1

CONTINUED ON NEXT PAGE

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0148  
RUN DATE: 04/18/88

C 261400 0894 00081 W I04

LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

O W N E R		F A C I L I T Y		(11) CONFIDENTIAL STATUS	NON-CONFIDENTIAL
(1) TAYLOR INSTRUMENT PRO CONT DIV	(6) TAYLOR INST PROCESS CONTROL			(12) APPLICATION STATUS	IN COMPLIANCE
(2) 95 AMES ST	(7) 95 AMES ST			DATE OF LAST CHANGE	04/07/88
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14601			PRIOR CO ISSUE DATE	06/30/83
(5) 14601	(10) REP: ROBERT HALTON			PRIOR CO EXPIRATION DATE	06/30/88

PAGE 4  
CONTINUED FROM PREVIOUS PAGE

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

<u>EMISSION POINT 00081</u>	(41)UTM-E: 284.8 KM.	(42)STACK HEIGHT: 26 FT.	(43)EXIT VELOCITY: 24.10 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: -13 FT.	(48)EXIT FLOW: 3160.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
	(51)GRND ELEV: 530 FT.	(52)STK DIAM: 20 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	
<u>UNIT I04</u>	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1504	CONVEYING LIQUIDS (P)
PROCESS/UNIT DESCRIPTION	(72)DESCRIPTION 1. PROCESS A SPRING FILLING - HOOD #29				
CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: BUFFALO FORGE #55	(75)ID: 01	(76)DATE INSTALLED: 01/71	(77)USEFUL LIFE:
		(77)DISPOSAL METHOD: 09 OTHER			

AIR CONTAMINANTS	CAS NUMBER	E M I S S I O N S					% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)	
		ACTUAL	UNIT	HOW DET	ACTUAL	10 <sup>x</sup>				
MISCELLANEOUS ORG	(085) NY990-00-0	(087) .009	(088) 01	(089) 09	(091)	(092) .009	(093) 1.840	(094) 1		

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0149  
RUN DATE: 04/18/88

C 261400 0894 00081 W I05

LOCATION FAC EP UNIT

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

O W N E R (1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601	F A C I L I T Y (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON	(11) CONFIDENTIAL STATUS NON-CONFIDNT (12) APPLICATION STATUS IN COMPLIANC DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 06/30/83 PRIOR CO EXPIRATION DATE 06/30/88
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PAGE 5  
CONTINUED FROM PREVIOUS PAGE

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00081	(41)UTM-E: 284.8 KM.	(42)STACK HEIGHT: 26 FT.	(43)EXIT VELOCITY: 24.10 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: -13 FT.	(48)EXIT FLOW: 3160.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
	(51)GRND ELEV: 530 FT.	(52)STK DIAM: 20 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	
UNIT I05	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1203	DEGREASING AND CLEAN

PROCESS/UNIT (72)DESCRIPTION 1. TRICHLOROETHYLENE DEGREASER  
DESCRIPTION

CONTROL EQUIPMENT (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE #55 (75)ID: 01 (76)DATE INSTALLED: 01/71  
(77)DISPOSAL METHOD: 09 OTHER (78)USEFUL LIFE:

AIR CONTAMINANTS	CAS NUMBER	E M I S S I O N S			% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)	
		ACTUAL	UNIT	HON DET			ACTUAL	10x
TRICHLOROETHYLENE	(085) 00079-01-6	(087) .070	(088) 01	(089) 09	(091)	(092) .070	(093) 1.510	(094) 2

CONTINUED ON NEXT PAGE



OP	LOCATION	FACILITY	EMISSION POINT	UNIT I.D
				I

NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROCESS, EXHAUST OR VENTILATION SYSTEM  
UNIT OR PROCESS DATA



COPIES  
 WHITE - ORIGINAL  
 GREEN - DIVISION OF AIR  
 WHITE - REGIONAL OFFICE  
 WHITE - FIELD REP  
 YELLOW - APPLICANT

PLEASE PRINT OR TYPE

S E C. H	175	EMISSION POINT I.D	176	UNIT I.D

177	SOURCE CODE	178	HRS/DAY	179	DAYS/YR	180 % OPERATION BY SEASON			
						Winter	Spring	Summer	Fall

S E C. I	181	DESCRIBE PROCESS OR UNIT	1.	2.
	3.		4.	
	5.		6.	
	7.		8.	

S E C. J	EMISSION CONTROL EQUIPMENT I.D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
	182	183	184	185	186 /	187
	188	189	190	191	192 /	193

S E C T I O N K	CALCULATIONS

S E C T I O N L	CONTAMINANT		INPUT OR PRODUCTION	UNIT	EMISSIONS			% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
	NAME	CAS NUMBER			ACTUAL	UNIT	HOW DET.		ERP	ACTUAL	ACTUAL	10 <sup>x</sup>
206	207	208	209	210	211	212	213	214	215	216	217	
218	219	220	221	222	223	224	225	226	227	228	229	
230	231	232	233	234	235	236	237	238	239	240	241	
242	243	244	245	246	247	248	249	250	251	252	253	
254	255	256	257	258	259	260	261	262	263	264	265	



OP	LOCATION	FACILITY	EMISSION POINT	UNIT I.D
				I

NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROCESS, EXHAUST OR VENTILATION SYSTEM  
UNIT OR PROCESS DATA



COPIES  
 WHITE - ORIGINAL  
 GREEN - DIVISION OF AIR  
 WHITE - REGIONAL OFFICE  
 WHITE - FIELD REP  
 YELLOW - APPLICANT

PLEASE PRINT OR TYPE

S E C H	175	EMISSION POINT I.D	176	UNIT I.D

177	SOURCE CODE	178	HRS/DAY	179	DAYS/YR	180 % OPERATION BY SEASON			
						Winter	Spring	Summer	Fall

S E C I	181	DESCRIBE PROCESS OR UNIT	1	2.
	3		4.	
	5.		6.	
	7.		8.	

S E C J	EMISSION CONTROL EQUIPMENT I.D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
	182	183	184	185	186	187
	188	189	190	191	192	193

S E C T I O N K	CALCULATIONS
	91

S E C T I O N L	CONTAMINANT		INPUT OR PRODUCTION	UNIT	EMISSIONS			% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
	NAME	CAS NUMBER			ACTUAL	UNIT	HOW DET.		ERP	ACTUAL	ACTUAL	10 <sup>x</sup>
	194	195	196	197	198	199	200.	201	202	203	204	205
206	207	208	209	210	211	212	213	214.	215	216	217	
218	219.	220	221	222	223	224	225	226	227	228	229	
230	231	232	233	234	235	236	237	238	239	240	241	
242	243	244	245	246	247	248	249	250	251	252	253	
254	255	256	257	258	259	260	261	262	263	264	265	

OP	LOCATION	FACILITY	EMISSION POINT	UNIT I.D
				I

NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION



PROCESS, EXHAUST OR VENTILATION SYSTEM  
UNIT OR PROCESS DATA

COPIES  
 WHITE - ORIGINAL  
 GREEN - DIVISION OF AIR  
 WHITE - REGIONAL OFFICE  
 WHITE - FIELD REP  
 YELLOW - APPLICANT

PLEASE PRINT OR TYPE

S E C. H	175	EMISSION POINT I.D	176	UNIT I.D

177	SOURCE CODE	178	HRS/DAY	179	DAYS/YR	180 % OPERATION BY SEASON			
						Winter	Spring	Summer	Fall

S E C. I	181	DESCRIBE PROCESS OR UNIT	1	2.
			3	4.
			5.	6.
			7.	8.

S E C. J	EMISSION CONTROL EQUIPMENT I.D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
	182	183	184	185	186 /	187
	188	189	190	191	192 /	193

S E C. T /	CALCULATIONS

S E C. T /	CONTAMINANT		INPUT OR PRODUCTION	UNIT	EMISSIONS			% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
	NAME	CAS NUMBER			ACTUAL	UNIT	HOW DET.		ERP	ACTUAL	ACTUAL	10 <sup>x</sup>
	194	195			196	197	198		199	200	201	202
206	207	208	209	210	211	212	213	214	215	216	217	
218	219	220	221	222	223	224	225	226	227	228	229	
230	231	232	233	234	235	236	237	238	239	240	241	
242	243	244	245	246	247	248	249	250	251	252	253	
254	255	256	257	258	259	260	261	262	263	264	265	

OP	LOCATION	FACILITY	EMISSION POINT	UNIT I.D.
				I

NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION



PROCESS, EXHAUST OR VENTILATION SYSTEM  
UNIT OR PROCESS DATA

COPIES  
 WHITE - ORIGINAL  
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 WHITE - REGIONAL OFFICE  
 WHITE - FIELD REP  
 YELLOW - APPLICANT

PLEASE PRINT OR TYPE

S E C. H	175	EMISSION POINT I.D.	176	UNIT I.D.

177	SOURCE CODE	178	HRS/DAY	179	DAYS/YR	180 % OPERATION BY SEASON			
						Winter	Spring	Summer	Fall

S E C. I	181	DESCRIBE PROCESS OR UNIT	1.	2.
			3.	4.
			5.	6.
			7.	8.

S E C. J	EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
	182	183	184	185	186 /	187
	188	189	190	191	192 /	193

S E C T I O N K	CALCULATIONS

S E C T I O N L	CONTAMINANT		INPUT OR PRODUCTION	UNIT	EMISSIONS			% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
	NAME	CAS NUMBER			ACTUAL	UNIT	HOW DET.		ERP	ACTUAL	ACTUAL	10 <sup>x</sup>
	194	195	196	197	198	199	200.	201	202	203	204	205
	206	207	208	209	210	211	212	213	214.	215	216	217
	218	219	220	221	222	223	224	225	226	227	228	229
	230	231	232	233	234	235	236	237	238	239	240	241
	242	243	244	245	246	247	248	249	250	251	252	253
	254	255	256	257	258	259	260.	261	262	263	264	265

OP LOCATION FACILITY EMISSION POINT UNIT I.D.

A 2 0 1 4 0 0 0 8 9 4 0 0 0 8 1 I 0 1

NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROCESS, EXHAUST OR VENTILATION SYSTEM  
UNIT OR PROCESS DATA



COPIES  
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WHITE - REGIONAL OFFICE  
WHITE - FIELD REP  
YELLOW - APPLICANT

PLEASE PRINT OR TYPE

S E C. H	175	EMISSION POINT I.D.	176	UNIT I.D.
	0	0081	0	1

177	SOURCE CODE	178	HRS/DAY	179	DAYS/YR	180 % OPERATION BY SEASON					
						Winter	Spring	Summer	Fall		
	1408		8		250	2	5	2	5	2	5

S E C. I	181	DESCRIBE PROCESS OR UNIT	1.	Soldering Operations - Hood #1,2, 4-12	2.	
	3.			4.		
	5.			6.		
	7.			8.		

S E C. J	EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE	
	182	01	183. 01	184 Buffalo Forge #55	185 9	186 1/71	187
	188		189	190	191	192 /	193.

CALCULATIONS

S  
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\* From purchasing records reviewed for past three years, an average annual usage rate for this department is found to be 437 pounds. This is 0.2185 lb. of rod per hour. Assuming an emission loading of 0.05 lb/hr. of solder fumes per pound of rod, actual emissions are calculated to be  $1.09 \times 10^{-2}$  lb/hr. of solder fume.

S E C T I O N L	CONTAMINANT		INPUT OR PRODUCTION	UNIT	EMISSIONS			% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
	NAME	CAS NUMBER			ACTUAL	UNIT	HOW DET.		ERP	ACTUAL	ACTUAL	10 <sup>x</sup>
194	Solder fume	195	196	197	198 .04	199 21	200 9*	201 0	202 .01	203 .01	204 2.18	205 1
206		207	208	209	210	211	212	213	214	215	216	217
218		219	220	221	222	223	224	225	226	227	228	229
230		231	232	233	234	235	236	237	238	239	240	241
242		243	244	245	246	247	248	249	250	251	252	253
254		255	256	257	258	259	260	261	262	263	264	265

OP LOCATION FACILITY EMISSION POINT UNIT I.D.  
**A 2 6 1 4 0 0 0 8 9 4 0 0 0 8 1 I 0 2**

NEW YORK STATE  
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROCESS, EXHAUST OR VENTILATION SYSTEM  
 UNIT OR PROCESS DATA



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 WHITE - FIELD REP  
 YELLOW - APPLICANT

PLEASE PRINT OR TYPE

S E C. H	175	EMISSION POINT I.D.	176	UNIT I.D.
	0	0	0	8 1 0 2

177	SOURCE CODE	178	HRS/DAY	179	DAYS/YR	180. % OPERATION BY SEASON			
	1103		8		250	Winter	Spring	Summer	Fall
						2	5	2	5

S E C. I	181	DESCRIBE PROCESS OR UNIT	1.	Grinders (3); Hood #3,31,32	2.
	3.			4.	
	5.			6.	
	7.			8.	

S E C. J	EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
	182	01	183 01 Buffalo Forge #55	185 9	186 1 / 71	187
	188		189	190	191	192 /

CALCULATIONS

S  
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K

Any contaminants generated here are in the form of fine metal particulates. These are small operations with a grinding stone attached by a drive belt to a 1 hp. or less electric motor. Operation is intermittent and is used for tool sharpening and grinding burrs from welded parts.

S E C T I O N L	CONTAMINANT		INPUT OR PRODUCTION	UNIT	EMISSIONS			% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
	NAME	CAS NUMBER			ACTUAL	UNIT	HOW DET.		ERP	ACTUAL	ACTUAL	10 <sup>x</sup>
	194	Metal dust			195	196	197		198	199	200	201
		14,095-00-2			<del>100</del>	94	5	0	<del>100</del>	<del>100</del>		
206		207	208	209	210	211	212	213	214	215	216	217
218		219	220	221	222	223	224	225	226	227	228	229
230		231	232	233	234	235	236	237	238	239	240	241
242		243	244	245	246	247	248	249	250	251	252	253
254		255	256	257	258	259	260	261	262	263	264	265

OP LOCATION FACILITY EMISSION POINT UNIT I.D.  
**A 261400089400081 I 03**

NEW YORK STATE  
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION



PROCESS, EXHAUST OR VENTILATION SYSTEM  
 UNIT OR PROCESS DATA

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 WHITE - FIELD REP  
 YELLOW - APPLICANT

PLEASE PRINT OR TYPE

S E C. H	175. EMISSION POINT I.D.	176. UNIT I.D.
	00081	03

177. SOURCE CODE	178. HRS/DAY	179. DAYS/YR	180. % OPERATION BY SEASON			
1410	8	250	Winter	Spring	Summer	Fall
			25	25	25	25

S E C. I	181. DESCRIBE PROCESS OR UNIT	1. TIG Welding - Hood #13-19, 21-28	2.
		3.	4.
		5.	6.
		7.	8.

S E C. J	EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
	182. 01	183. 01	184. Buffalo Forge #55	185. 9	186. 1/71	187.
	188.	189.	190.	191.	192.	193.

CALCULATIONS

\* Stock Ledgers indicate that a total of 1620 lb. of welding rod are used per year (based on 3 year mean). This translates to 0.91 lb. of rod per hour. Assuming 0.002 lb/hr. of FeO<sub>2</sub> per pound of rod, an actual emission loading rate of 1.62 x 10<sup>-3</sup> lb./hr. of FeO<sub>2</sub> is calculated.

S E C. T /	CONTAMINANT		INPUT OR PRODUCTION	UNIT	EMISSIONS			% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
	NAME	CAS NUMBER			ACTUAL	UNIT	HOW DET.		ERP	ACTUAL	ACTUAL	10 <sup>x</sup>
	194	IRON Oxide Welding Fume			195. 01345-25-1	196.	197.		198. .006	199. 21 g*	200.	201. 0
206		207.	208.	209.	210.	211.	212.	213.	214.	215.	216.	217.
218		219.	220.	221.	222.	223.	224.	225.	226.	227.	228.	229.
230		231.	232.	233.	234.	235.	236.	237.	238.	239.	240.	241.
242		243.	244.	245.	246.	247.	248.	249.	250.	251.	252.	253.
254		255.	256.	257.	258.	259.	260.	261.	262.	263.	264.	265.





OP LOCATION FACILITY EMISSION POINT UNIT I.D.  
 A 2 6 1 4 0 0 0 5 7 4 0 3 0 8 A I 0 5

NEW YORK STATE  
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION



PROCESS, EXHAUST OR VENTILATION SYSTEM  
 UNIT OR PROCESS DATA

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 WHITE - REGIONAL OFFICE  
 WHITE - FIELD REP  
 YELLOW - APPLICANT

PLEASE PRINT OR TYPE

S E C. H	175. EMISSION POINT I.D.	176. UNIT I.D.
	0 0 0 8 1 0 5	

177. SOURCE CODE	178. HRS/DAY	179. DAYS/YR	180. % OPERATION BY SEASON			
			Winter	Spring	Summer	Fall
1203	8	250	2	5	2	5

S E C. I	181. DESCRIBE PROCESS OR UNIT	1. Trichloroethylene Degreaser	2.
		3.	4.
		5.	6.
		7.	8.

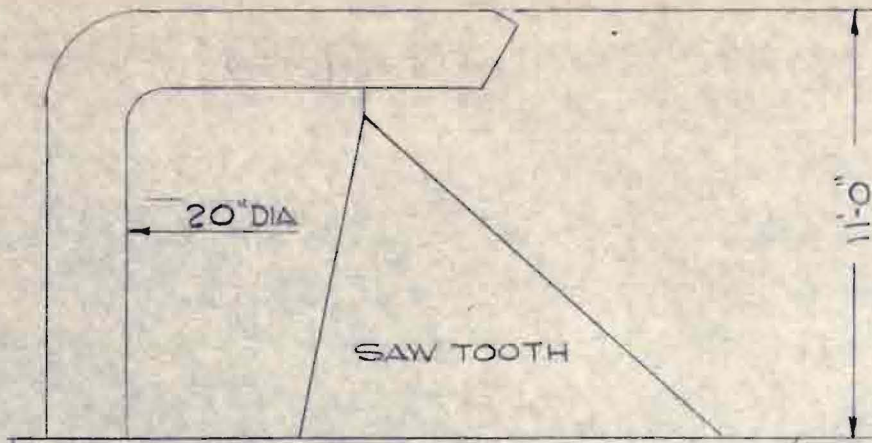
S E C. J	EMISSION CONTROL EQUIPMENT I.D.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED	USEFUL LIFE
		182. 01	183. 01	184. Buffalo Forge #55	185. 9	186. 1 / 71
	188.	189.	190.	191.	192. /	193.

CALCULATIONS

\* Stock Ledgers show that an average (3 year mean) of 60 gallons of Trichloroethylene are used in the department annually. The degreaser is cleaned at approximately 6 month intervals. During this cleaning, about 35 gallons are removed from the degreaser. Of the remaining 25 gallons, it is estimated that 50% is lost by dragout leaving 12.5 gallons to evaporation.

Density = 12.11 lb/gal. x 12.5 gallons = 151 pounds evolved per year.

S E C. T I O N L	CONTAMINANT		INPUT OR PRODUCTION	UNIT	EMISSIONS			% CONTROL EFFICIENCY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)	
	NAME	CAS NUMBER			ACTUAL	UNIT	HOW DET.		ERP	ACTUAL	ACTUAL	10 <sup>x</sup>
	194	Trichloroethylene	195	196.	197.	198. .07	199. 1	200. 9*	201. 0	202. .07	203. .07	204. 1.51
206		207.	208.	209.	210.	211.	212.	213.	214.	215.	216.	217.
218		219.	220.	221.	222.	223.	224.	225.	226.	227.	228.	229.
230		231.	232.	233.	234.	235.	236.	237.	238.	239.	240.	241.
242.		243.	244.	245.	246.	247.	248.	249.	250.	251.	252.	253.
254.		255.	256.	257.	258.	259.	260.	261.	262.	263.	264.	265.



BLOWER - BUFFALO 55  
MOTOR - GE 10 H.P.  
#11848

BLDG. 6

BLDG. 7

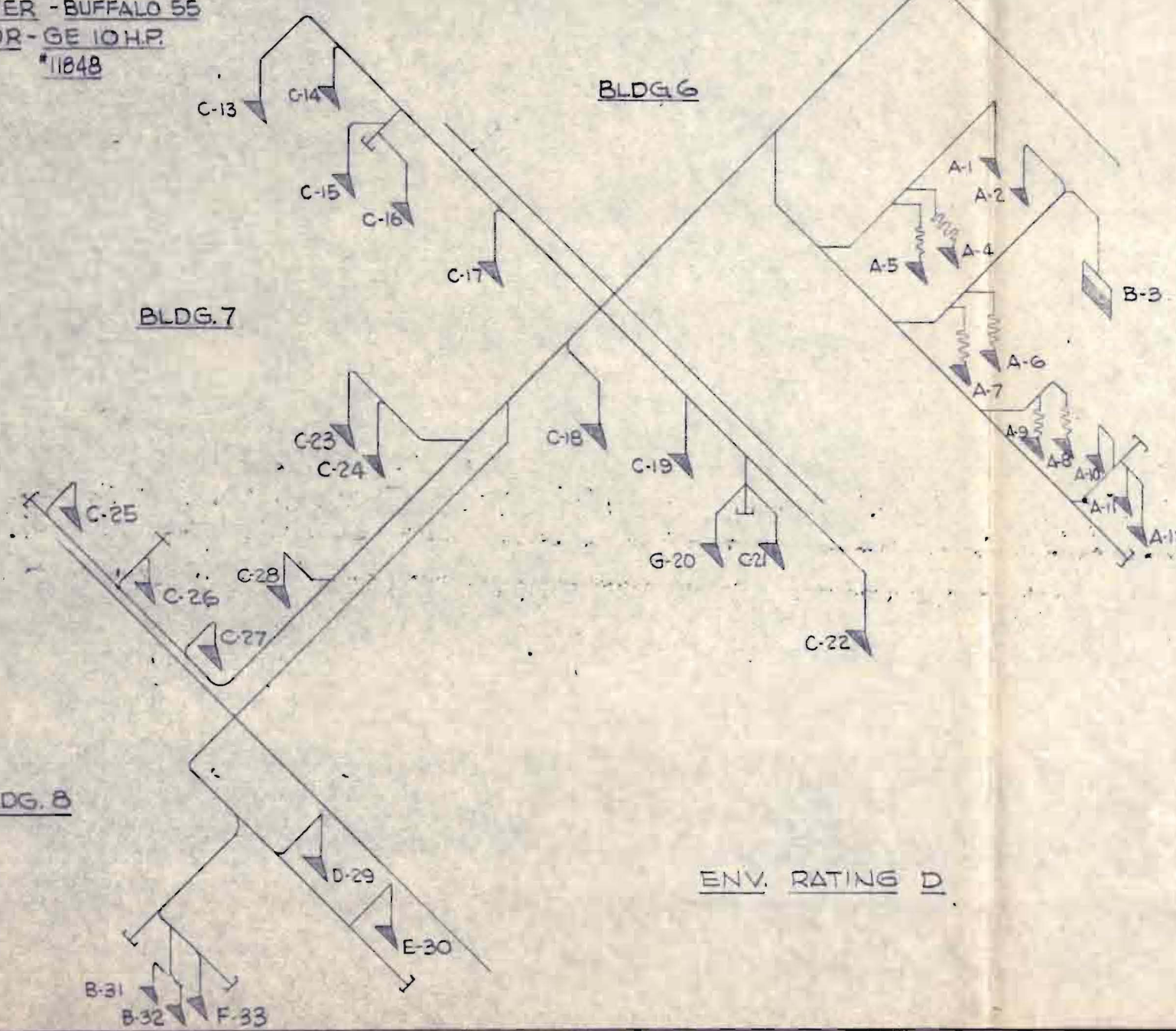
BLDG. 8

DEPT. 095

LEGEND

- A-1 = GROUP I, HOOD 1
- B-3 = GROUP II, HOOD 3
- C-13 = GROUP III, HOOD 13
- ETC

GROUP N <sup>o</sup>	HOOD N <sup>o</sup>	OPERATION
I (A)	1, 2, 4 THRU 12	SOLDERING
II (B)	3, 31, 32	GRINDERS
III (C)	13 THRU 19, 21 THRU 28	TIG WELDING
IV (D)	29	PROCESS A
V (E)	30	DEGREASER
VI (F)	33	HOT PLATE
NOT IN USE (G)	20	CLOSED OFF



KH/JG	2	1-7-81
CHANGED BY JP	NO. 1	DATE 2-9-76

TITLE -		
DRAWING NO.	APPROVED	DATE
E.P. N <sup>o</sup> 00081		
DRAWN BY J. PIECH		
DATE 8-16-73		
SCALE NONE		

PLANT ENGINEERING DEPT.  
Taylor Instrument Companies 94181

OP LOCATION FACILITY EMISSION POINT  
 A2614000894000851

NEW YORK STATE  
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

*file*

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 WHITE - REGIONAL OFFICE  
 WHITE - FIELD REP  
 YELLOW - APPLICANT

A ADD  
 C CHANGE  
 D DELETE

READ INSTRUCTIONS  
 CONTAINED IN  
 FORM 76-11-12  
 BEFORE ANSWERING  
 ANY QUESTION

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

1. NAME OF OWNER/FIRM <b>Taylor Instrument Company</b>			9. NAME OF AUTHORIZED AGENT <b>Energy Planning, Inc. Fred J. Belluscio, P.E.</b>			10. TELEPHONE <b>385-4280</b>		19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM) <b>Same</b>			
2. NUMBER AND STREET ADDRESS <b>95 Ames Street</b>			11. NUMBER AND STREET ADDRESS <b>100 Bluff Dr.</b>			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)					
3. CITY-TOWN-VILLAGE <b>Rochester</b>		4. STATE <b>New York</b>	5. ZIP <b>14611</b>	12. CITY-TOWN-VILLAGE <b>East Rochester</b>		13. STATE <b>New York</b>	14. ZIP <b>14445</b>		22. ZIP		
6. OWNER CLASSIFICATION A. <input type="checkbox"/> COMMERCIAL C. <input type="checkbox"/> UTILITY F. <input type="checkbox"/> MUNICIPAL I. <input type="checkbox"/> RESIDENTIAL B. <input checked="" type="checkbox"/> INDUSTRIAL D. <input type="checkbox"/> FEDERAL G. <input type="checkbox"/> EDUC. INST. J. <input type="checkbox"/> OTHER			E. <input type="checkbox"/> STATE	H. <input type="checkbox"/> HOSPITAL	15. NAME OF P.E. OR ARCHITECT PREPARING APPLICATION <b>Fred J. Belluscio</b>		16. N.Y.S. P.E. OR ARCHITECT LICENSE NO. <b>028156</b>	17. TELEPHONE <b>385-4280</b>		23. BUILDING NAME OR NUMBER <b>5</b>	
7. NAME & TITLE OF OWNERS REPRESENTATIVE <b>Frank Cervelloni Manager of Facilities</b>			8. TELEPHONE <b>716/ 235-5000</b>	18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT <i>Fred J. Belluscio</i>			25. START UP DATE <b>08 / 82</b> MO / YR		26. DRAWING NUMBERS OF PLANS SUBMITTED <b>00085</b>		
							27. PERMIT TO CONSTRUCT A. <input type="checkbox"/> NEW SOURCE B. <input checked="" type="checkbox"/> MODIFICATION		28. CERTIFICATE TO OPERATE A. <input type="checkbox"/> NEW SOURCE C. <input type="checkbox"/> EXISTING SOURCE B. <input checked="" type="checkbox"/> MODIFICATION		

29. EMISSION POINT ID. <b>00085</b>	30. GROUND ELEVATION (FT.) <b>530</b>	31. HEIGHT ABOVE STRUCTURES (FT.) <b>10</b>	32. STACK HEIGHT (FT.) <b>45</b>	33. INSIDE DIMENSIONS (IN.) <b>18</b>	34. EXIT TEMP (°F) <b>70</b>	35. EXIT VELOCITY (FT/SEC) <b>16</b>	36. EXIT FLOW RATE (ACFM) <b>1615</b>	37. SOURCE CODE <b>1402</b>	38. HRS/DAY <b>8</b>	39. DAYS/YR <b>250</b>	40. % OPERATION BY SEASON Winter Spring Summer Fall <b>2 5 2 5 2 5 2 5</b>			
--	--	--	-------------------------------------	--	---------------------------------	---	--	--------------------------------	-------------------------	---------------------------	--	--	--	--

41. DESCRIBE PROCESS OR UNIT	1. <b>Downdraft Bench</b>	2. <b>Blue M Oven</b>
	3. <b>Young Oven (electric)</b>	4.
	5.	6.
	7.	8.

EMISSION CONTROL EQUIPMENT I.D. 42. <b>01</b>	CONTROL TYPE 43. <b>01</b>	MANUFACTURER'S NAME AND MODEL NUMBER 44. <b>Buffalo Forge Size 3BC</b>	DISPOSAL METHOD 45. <b>HA</b>	DATE INSTALLED MONTH / YEAR 46. <b>08/82</b>	USEFUL LIFE 47.
48.	49.	50.	51.	52.	53.

CALCULATIONS  
 Downdraft bench is used for application of epoxies. Two ovens are used to cure those epoxies. Those materials are 100% solids according to the manufacturers but some trace amounts of amines will be driven off during application and curing.

CONTAMINANT NAME	CAS NUMBER	INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFIC'Y	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)		
					ACTUAL	UNIT	HOW DET	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10 <sup>x</sup> PERMISSIBLE	
54. <b>Dicyanamide</b>	55. <b>00420-04-2</b>	56.	57.	58. <b>B</b>	59. <b>#</b>	60. <b>94</b>	61. <b>9</b>	62.	63. <b>0</b>	64. <b>#</b>	65. <b>#</b>	66. <b>#</b>	67. <b>20</b>	68. <b>2</b>
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.

SOLID FUEL TONS/YR		%S		OIL THOUSANDS OF GALLONS/YR		%S		GAS THOUSANDS OF CF/YR		BTU/CF		APPLICABLE RULE	APPLICABLE RULE
144.	145.	146.	147.	148.	149.	150.	151.	152.	153.	154.	<b>212</b>		

Upon completion of construction sign the statement listed below and forward to the appropriate field representative  
 THE PROCESS, EXHAUST OR 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: *Frank Cervelloni*  
 DATE: **10-14-82**

156. LOCATION CODE <b>2614000894</b>	157. FACILITY ID. NO. <b>284878083821</b>	158. U.T.M. (E)	159. U.T.M. (N)	160. SIC NUMBER	161. DATE APPL RECEIVED	162. DATE APPL REVIEWED <b>01/21/83</b>	163. REVIEWED BY: <i>Frank Cervelloni</i>
---	--	-----------------	-----------------	-----------------	-------------------------	--	--

<b>PERMIT TO CONSTRUCT</b>			
164. DATE ISSUED <b>01/01/83</b>	165. EXPIRATION DATE <b>01/01/84</b>	166. SIGNATURE OF APPROVAL	167. FEE <b>50</b>

<b>RECOMMENDED ACTION RE: C.O.</b>			
169. DATE ISSUED <b>06/11/84</b>	170. EXPIRATION DATE <b>06/30/88</b>	171. SIGNATURE OF APPROVAL	172. FEE <b>45</b>
173. <input checked="" type="checkbox"/> INSPECTED BY <b>J.K.</b> DATE <b>5-16-84</b>			
2. <input type="checkbox"/> INSPECTION DISCLOSED DIFFERENCES AS BUILT VS. PERMIT, CHANGES INDICATED ON FORM			
3. <input checked="" type="checkbox"/> ISSUE CERTIFICATE TO OPERATE FOR SOURCE AS BUILT			
4. <input type="checkbox"/> APPLICATION FOR C.O. DENIED DATE _____ INITIALED _____			

174. SPECIAL CONDITIONS:	
1. <b>None</b>	2.
3.	4.
5.	6.
7.	8.

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF AIR

SEQNC NO: 8-R-0155  
RUN DATE: 04/18/88

C 261400 0894 00085 W I

LOCATION FAC EP

CERTIFICATE TO OPERATE AN AIR CONTAMINATION SOURCE  
PROCESS, EXHAUST OR VENTILATION SYSTEM UNIT  
RENEWAL APPLICATION

<b>OWNER</b> (1) TAYLOR INSTRUMENT PRO CONT DIV (2) 95 AMES ST (3) ROCHESTER (4) NY (5) 14601		<b>FACILITY</b> (6) TAYLOR INST PROCESS CONTROL (7) 95 AMES ST (8) ROCHESTER (9) 14601 (10) REP: ROBERT HALTON		(11) CONFIDENTIAL STATUS NON-CONFIDN (12) APPLICATION STATUS IN COMPLIAN DATE OF LAST CHANGE 04/07/88 PRIOR CO ISSUE DATE 01/01/84 PRIOR CO EXPIRATION DATE 06/30/88	
---	--	--	--	--	--

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

<u>EMISSION</u>	(41)UTM-E: 284.8 KM.	(42)STACK HEIGHT: 45 FT.	(43)EXIT VELOCITY: 16.00 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
<u>POINT</u>	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: 10 FT.	(48)EXIT FLOW: 1615.00 ACFM	(49)CO FEE: \$40.00	(50)AGENCY-CODE-2:
<u>00085</u>	(51)GRND ELEV: 530 FT.	(52)STK DIAM: 18 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1 3	
<u>UNIT I</u>	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: 1402	BAKING AND DRYING (0
	(59)BLDG: 5	(60)FLOOR NAME: 1		(61)RULE 1: 212.00	(62)RULE 2:

PROCESS/UNIT (72)DESCRIPTION  
 DESCRIPTION 1. DOWNDRAFT BENCH  
 2. BLUE M OVEN  
 3. YOUNG OVEN (ELECTRIC)

CONTROL (73)TYPE: 001 FAN (74)MFG: BUFFALO FORGE SIZE 3BC (75)ID: 01 (76)DATE INSTALLED: 08/82  
 EQUIPMENT (77)DISPOSAL METHOD: (78)USEFUL LIFE: 20 YEARS

AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
CYANAMIDE	(085) 00420-04-2	(086) B	(087)	(088) 94	(089) 09	(090)	(091)	(092) .001	(093) 2.000	(094) 0	(095) 2.00

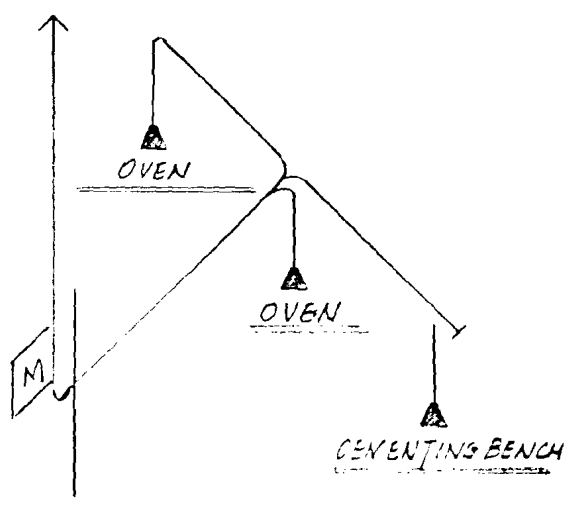
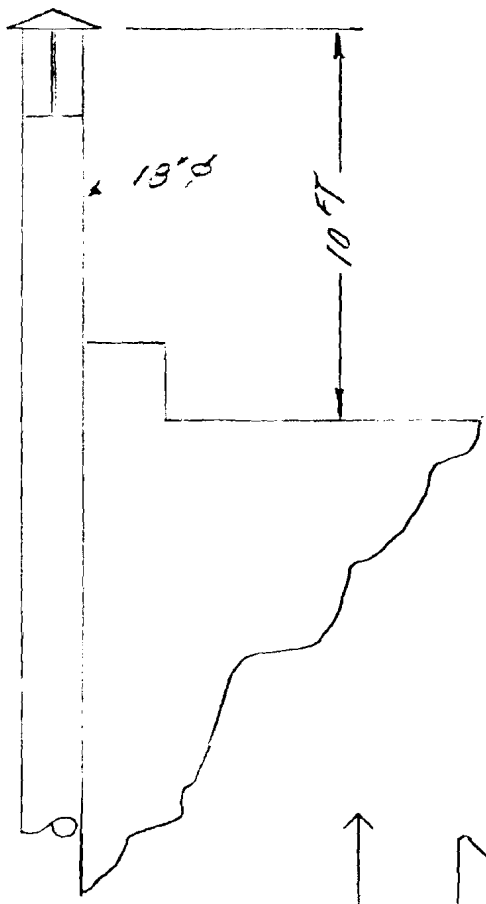
(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 05/16/84	(18)CURRENT COMMENTS (19)BY _____ (20)DATE <u> / /</u>	(27)LAST INSPECTION DATE <u>03/04/88</u>
1. PROCESS EQ. SAT.	1. _____	(21)INSPECTION STATUS <u>5</u>
2. NO VISIBLE EMISSIONS	2. _____	(22)DATE OF NEXT ACTION <u> / /</u>
3.	3. _____	(23)ISSUE DATE <u>06/30/88</u>
4.	4. _____	(24)EXPIRATION DATE <u>06/30/93</u>
5.	5. _____	(25)CO FEE <u>50</u>

ISSUING OFFICER'S SIGNATURE:

DATE:

E.P. No. 10101015  
OWN. 8-16-73 J. PIECH  
REV. 8-12-82 J. GOSL

DEPT. 050 BLDG #5



ENV. RATING - D