

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

OP		LOCATION	FACILITY	EMISSION POINT
I				

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

SEQNC NO: 8-R-0182
RUN DATE: 04/18/88

261400 0894 00103 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		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

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00103	(41) UTM-E: 284.8 KM.	(42) STACK HEIGHT: 21 FT.	(43) EXIT VELOCITY: 38.60 FT/SEC	(44) SIC: 3821	(45) AGENCY-CODE-1:
	(46) UTM-N: 780.8 KM.	(47) HT ABV STRUC: 5 FT.	(48) EXIT FLOW: 5400.00 ACFM	(49) CO FEE: \$50.00	(50) AGENCY-CODE-2:
	(51) GRND ELEV: 526 FT.	(52) STK DIAM: 21.18 IN.	(53) EXIT TEMP: 70 DEGR F	(54) CO CONDITIONS: 1	
UNIT I	(55) HOURS/DAY: 24.0	(56) DAYS/YEAR: 365	(57) % OP BY SEASON: 25 25 25 25	(58) SOURCE CODE: 2204	EXTRACTION
	(59) BLDG: BLDG 43	(60) FLOOR NAME: FLOOR 1 DEPT 161	(61) RULE 1: 212.00	(62) RULE 2:	

PROCESS/UNIT (72) DESCRIPTION 1. VAPOR FILLING ROOM
DESCRIPTION

CONTROL (73) TYPE: D01 FAN	(74) MFG: BARRY EXHAUST FAN SER 70 TYPE 200BVB	(75) ID: 01	(76) DATE INSTALLED: 11/78
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	10x	PERMISSIBLE
MISCELLANEOUS ORG	(096) NY990-00-0	(097) A	(098) 1.000	(099) 02	(100) 06	(101) 1.000	(102)	(103) .001	(104) 8.760	(105) 0	(106) .500

(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 1/1
3. _____	3. _____	(23) ISSUE DATE 06/30/88
4. NO VISUAL EMISSIONS	4. _____	(24) EXPIRATION DATE 06/30/93
5. _____	5. _____	(25) CO FEE 50

FIRM REP'S SIGNATURE:

APL

DATE:

6/28/88

ISSUING OFFICER'S SIGNATURE:

DATE:

SYBRON | Taylor

October 13, 1978

Mr. Michael Koral
Monroe County Health Department
Air Pollution Control Program
111 Westfall Road
Rochester, New York 14602

Subject: Exhaust Emission Application
Taylor Instrument Company - Vapor Filling Room

Dear Mike:

Per our conversation of October 10th, I am submitting the Exhaust Emission Control application which applies to the Vapor Filling Room at Taylor Instrument Company.

The number of different gases used in this area are so numerous and of such small quantities per year that it is impossible to arrive at a loss to the atmosphere on an hourly basis. We have, however, calculated that the ratio of the volume of the tube system to the volume of the filling tube is 500:1. You can see from this that the loss to the atmosphere is barely a trace for any of the chemicals. The attached data sheet lists the various chemicals used with an evaluation of the quantities lost to the atmosphere.

In order to best analyze this data, it will no doubt be helpful to describe the filling process. Each tube system is assembled with a short piece of copper tubing (1/64" I.D.). This copper tubing is inserted into a manifold system and tightened down with a hex nut. At this point a vacuum pump is started to evacuate the tube system. When the proper degree of vacuum is achieved, a valve is opened allowing the chemical to be drawn into the system. When the system is full, the small copper filling tube is pinched off, thus sealing the system. The only loss to the atmosphere is represented by whatever chemical which may be left in the piece of copper filling tube and which is removed from the manifold and discarded.

With the above description and the data provided, you should be able to properly analyze this emission control application. Should you have any questions, please feel free to call the undersigned.

Very truly yours,

Fred J. Belluscio

Fred J. Belluscio, P.E.
ENERGY PLANNING INC.

FJB/jed
Attachments

Taylor Instrument Company, Division of Sybron Corporation, 95 Ames Street, Rochester, New York 14601
Cable Taylor-Roc/716-235-5000

VAPOR FILLING ROOM - CHEMICAL USAGE / YEAR

CHEMICAL	QUANTITY #/YR	RATIO TO SYSTEM Vol. To Filling Tank	Loss To Atmos %/YR
PROPANE	13	500:1	0.026
METHYL ETHER	25	500:1	0.050
ISOBUTANE	120	500:1	0.240
BUTANE	120	500:1	0.240
ETHYL CHLORIDE	25	500:1	0.050
" ETHER	42	500:1	0.084
NORMAL PENTANE	2.2	500:1	0.004
ACETONE	0.925	500:1	0.002
METHYL ALCOHOL	2.475	500:1	0.005
ETHYL ALCOHOL	19.80	500:1	0.040
TRICHLOROETHYLENE	66.00	500:1	0.132
PROPYL ALCOHOL	3.30	500:1	0.007
HEPTANE	0.98	500:1	0.002
DECANED-KAPPA	1.145	500:1	0.003
TETRA-HYDRO-NAP	1.145	500:1	0.003
DIMETHYL PHTHALATE	1.040	500:1	0.002
DIOCTYL PHTHALATE	1.040	500:1	0.002
D.C-200 FLUID-SCHS	94.80	500:1	0.189
D.C-702 FLUID	98.75	500:1	0.200
WATER GLYCERINE	75.00	500:1	0.150
FREON #22.15	4.00	500:1	0.008
NITROGEN	20.00	500:1	0.040
HELIUM	6.00	500:1	0.002
TRICHLOROETHYLENE GLYCOL	0.94	500:1	0.002
HEPTANE	0.85	500:1	0.014



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 Taylor Instrument Company			9. NAME OF AUTHORIZED AGENT			10. TELEPHONE			19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)				
	2. NUMBER AND STREET ADDRESS 95 Ames Street			11. NUMBER AND STREET ADDRESS			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)							
	3. CITY - TOWN - VILLAGE Rochester			4. STATE New York			5. ZIP 14601			21. CITY - TOWN - VILLAGE				
	6. OWNER CLASSIFICATION A. ☐ COMMERCIAL C. ☐ UTILITY F. ☐ MUNICIPAL I. ☐ RESIDENTIAL B. ☒ INDUSTRIAL D. ☐ FEDERAL G. ☐ EDUC. INST. J. ☐ 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 Frank Cervelloni Plant Engineer			8. TELEPHONE 235-5000 ext. 3573			18. SIGNATURE OF REPRESENTATIVE OR AUTHORIZED AGENT <i>Frank Cervelloni</i>			23. BLDG. NAME OR NUMBER Bldg. 5				
										24. FLOOR NAME OR NUMBER Floor 1 Dept. 145				
									25. DATE APPLICATION COMPLETED 1 / / 77			26. EXPECTED DATE OF OPERATION 12 / 77		
									27. PERMIT TO CONSTRUCT A. ☐ NEW SOURCE B. ☐ MODIFICATION			28. CERTIFICATE TO OPERATE A. ☐ NEW SOURCE C. ☐ EXISTING SOURCE B. ☐ MODIFICATION		

FOR AGENCY USE ONLY

29. LOCATION CODE	30. FACILITY ID. NO.	31. U.T.M. (E)	32. U.T.M. (N)	33. SIC NUMBER	34. DATE APPL. RECEIVED	35. DATE APPL. REVIEWED	36. REVIEWED BY:
00091	00091	2848	7008	821	1/17/77	1/17/77	Superintendent
PERMIT TO CONSTRUCT				RECOMMENDATION OF C.O. APPROVAL			
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 04/11/77		42. EXPIRATION DATE 05/01/78		43. SIGNATURE OF APPROVAL <i>Superintendent</i>		44. INSPECTION BY <i>Superintendent</i>	
						1. ☐ INSPECTED BY 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 <i>Frank Cervelloni</i>	DATE 3/22/77
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45. EMISSION POINT ID.	46. GROUND ELEV. (FT.)	47. HT. ABOVE STRUCTURES (FT.)	48. STACK HT. (FT.)	49. INSIDE DIA. (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
00091	529	-21	23	10	78	42	1600	N F I	WSN	114	00091

57. DESCRIBE PROCESS OR UNIT: Ultrasonic Cleaner Downdraft Bench	58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS: 1
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CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	FUEL TYPE	FLOW RATE (SCFM)	TEMP (°F)	PRESSURE DROP (IN. H ₂ O)	HORSE POWER	CONTAM'T CONTROL'D	EFFICIENCY (%)	HOW DET.	DISP. METH.	INITIAL COST (\$)	OPER. COST (\$)	DATE INSTALLED	USEFUL LIFE
59. OL	60. Buffalo BC-1	61. NA	62. 1600	63. 78	64. 0.1	65. .25	66. 720	67. 95	68. 9	69. 9	70. -	71. -	72. 12/75	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:

Usage is 0.7 gal./day or 8.4 lbs./day.
2/3 of which is reclaimed for future use.

$$ERP = (1 - \frac{2}{3}) 8.4 \frac{lbs}{day} = 2.8 \frac{lbs}{day} \times \frac{1}{24 \text{ hrs}} = .35 \frac{lbs}{hr}$$

CONTAMINANT										AGENCY USE ONLY									
NAME	%	CODE	INPUT OR PRODUCTION	UNITS	ERP (LBS/HR)	HRS DAY	DAYS YR	PROPOSED RATING	ACTUAL EMISSIONS	UNITS	ACTUAL EMISSIONS (LBS/HR)	ENV. RATING	ALLOWABLE EMISSIONS	UNITS					
89. Trichloroethylene	100	91. 720	92.	93.	94. .35	95. 8	96. 250	97. D	98. .35	99. .35	100.	101. D	102. .35	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.	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			OIL			GAS			CONTROL EQUIPMENT		CONTROL EQUIPMENT		CONTROL EQUIPMENT	
TYPE	LBS/HR	%S	TYPE	G.P.H.	%S	TYPE	C.F.H.	BTU/CF	TYPE	NUMBER	TYPE	NUMBER	TYPE	NUMBER
179.	180.	181.	182.	183.	184.	185.	186.	187.	188.	189.	190.	191.	192.	193.

NOTES: 1. Plans must be submitted in triplicate with this application.
2. Any person knowingly making any false statement or false report in connection with this application shall be liable for penalties as prescribed by law.

AIR 1001 (7/73)

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

SEQNC NO: 8-R-0166
RUN DATE: 04/18/88

261400 0894 00091 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		F A C I L I T Y		(11) CONFIDENTIAL STATUS	NON-CONFIDNTL
(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	07/01/82		
(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: 23 FT.	(43)EXIT VELOCITY: 42.00 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
POINT	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: -21 FT.	(48)EXIT FLOW: 1600.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
00091	(51)GRND ELEV: 529 FT.	(52)STK DIAM: 10 IN.	(53)EXIT TEMP: 78 DEGR F	(54)CO CONDITIONS: 1	
UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1203	DEGREASING AND CLEAN
	(59)BLDG: BLDG 5	(60)FLOOR NAME: FL 1 DEPT 105	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. ULTRASONIC CLEANER
DESCRIPTION

CONTROL	(73)TYPE: 001 FAN	(74)MFG: BUFFALO BC 1	(75)ID: 01	(76)DATE INSTALLED: 12/75
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	10x	PERMISSIBLE
METHYL CHLOROFORM	(085) 00071-55-6	(086) D	(087) .350	(088) 01	(089) 06	(090) .350	(091)	(092) .350	(093)700.000	(094) 0	(095)700.000

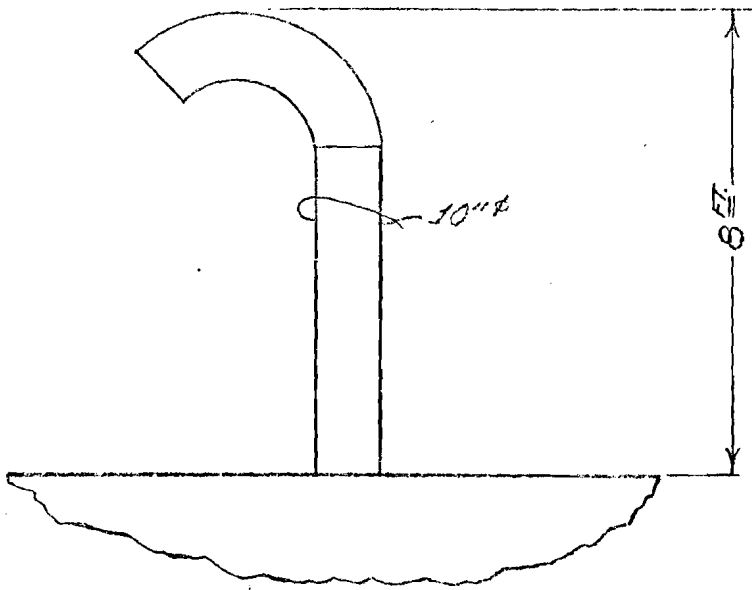
(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 06/29/82	(18)CURRENT COMMENTS (19)BY (20)DATE / /	(27)LAST INSPECTION DATE 03/04/88
1. SATISFACTORY	1. _____	(21)INSPECTION STATUS 5
2. _____	2. _____	(22)DATE OF NEXT ACTION 1 / 1
3. _____	3. _____	(23)ISSUE DATE 06/30/88
4. _____	4. _____	(24)EXPIRATION DATE 06/30/93
5. _____	5. _____	(25)CO FEE 50

ISSUING OFFICER'S SIGNATURE:

DATE:

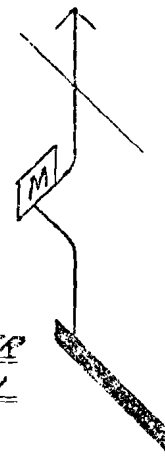
E.P. NO.	00091
DWN. R. & P. L. P. E. C.	

DEPT. 145 BLOS. #5



8 FT.

BLOWER:-BUFFALO FORGE BC-1



ULTRASONIC CLEANER
DOWN DRAFT BENCH

ENV. RATING-D.

OP LOCATION FACILITY EMISSION POINT
 A Z L 1 4 0 0 0 8 9 4 0 0 0 9 3 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

1. NAME OF OWNER/FIRM TAYLOR INSTRUMENT COMPANY			9. NAME OF AUTHORIZED AGENT Energy Planning Inc. Fred J. Belluscio			10. TELEPHONE 385-4280			19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)		
2. NUMBER AND STREET ADDRESS 95 Ames Street			11. NUMBER AND STREET ADDRESS 100 Bluff Dr. P.O. Box 387			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)			21. CITY-TOWN-VILLAGE Rochester		
3. CITY-TOWN-VILLAGE Rochester			4. STATE New York			5. ZIP 14601			22. ZIP 14445		
6. OWNER CLASSIFICATION A. ☐ COMMERCIAL C. ☐ UTILITY F. ☐ MUNICIPAL I. ☐ RESIDENTIAL B. ☒ INDUSTRIAL D. ☐ FEDERAL G. ☐ EDUC. INST. J. ☐ OTHER			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		
7. NAME & TITLE OF OWNERS REPRESENTATIVE Frank Cervelloni Manager of Facilities			8. TELEPHONE 235-5000 Ext. 3573			18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT <i>Fred J. Belluscio 11/6/80</i>			25. START UP DATE MO / YR 1 / 77		
									26. DRAWING NUMBERS OF PLANS SUBMITTED 00093		
									27. PERMIT TO CONSTRUCT A. ☐ NEW SOURCE B. ☐ MODIFICATION		
									28. CERTIFICATE TO OPERATE A. ☐ NEW SOURCE B. ☒ MODIFICATION C. ☐ EXISTING SOURCE		

29. EMISSION POINT ID. 00093	30. GROUND ELEVATION (FT) 526	31. HEIGHT ABOVE STRUCTURES (FT) -23	32. STACK HEIGHT (FT) 20	33. INSIDE DIMENSIONS (IN.) 20	34. EXIT TEMP. (°F) 80	35. EXIT VELOCITY (FT/SEC) 875	36. EXIT FLOW RATE (ACFM) 1146	37. SOURCE CODE 1408	38. HRS/DAY see below	39. DAYS/YR 250	40. % OPERATION BY SEASON Winter Spring Summer Fall 2/5 2/5 2/5 2/5
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41. DESCRIBE PROCESS OR UNIT	1. Wave Solder Machine, 12-hrs./day, 250-days/yr.	2. Drying Ovens 16-hrs./day, 250-days/yr.
	3. Post Wave Solder Washer 12-hrs./day, 250-days/yr.	
	4.	
	5.	

42. EMISSION CONTROL EQUIPMENT I.D. 01	43. CONTROL TYPE 01	44. MANUFACTURER'S NAME AND MODEL NUMBER Taurus Mod. T21-TCMS	45. DISPOSAL METHOD 9	46. DATE INSTALLED MONTH / YEAR 1 / 76	47. USEFUL LIFE
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CALCULATIONS

Heat vent over Wave Solder, washer, drying ovens.
 Modification consists of the addition of hoods to vent heat and moisture from washer and ovens.
 Isopropanol evolved from Wave solderflux. Density of Isopropanol - 6.56 lb./gal.
 *Average usage of Isopropanol - 7.5 gal./week.
 **Average usage of Lencoterge detergent used in washer - 7.5 gal./week.
 Temperature of washer - 125°F. - Density = 8.24 lb./gal.
 Temperature of Drying ovens - 150°F. - Density = 8.18 lb./gal. } x = 8.21 lb./gal. (H₂O)

CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFIC'Y	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)			
NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET.	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10*	PERMISSIBLE	
54. Isopropanol	55. 67-63-0	56. 0.82	57. 1	58. 9*	59. 0.82	60. 1	61. 9*	62. 0.82	63. 0	64. 0.82	65. 0.82	66. 2.46	67. 2.46	68. 2.46	
69. Water Vapor	70. -	71. 1.03	72. 1	73. 9*	74. 1.03	75. 1	76. 9*	77. 1.03	78. 0	79. 1.03	80. 1.03	81. 3.09	82. 3.09	83. 3.09	
84. Solder Flux	85. 14025-010-0	86. 0.01	87. 21	88. 9	89. 0.01	90. 21	91. 9	92. 0.01	93. 0	94. 0.01	95. 0.01	96. 3.0	97. 3.0	98. 3.0	
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. 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
Frank Cervelloni

DATE
11-6-80

156. LOCATION CODE 2614000894	157. FACILITY ID. NO. 284	158. U.T.M. (E) 380050	159. U.T.M. (N) 3821	160. SIC NUMBER 3821	161. DATE APPL. RECEIVED 12/10/80	162. DATE APPL. REVIEWED 1/8/81	163. REVIEWED BY <i>T. Hatch</i>
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PERMIT TO CONSTRUCT			
164. DATE ISSUED 01/08/81	165. EXPIRATION DATE 06/30/83	166. SIGNATURE OF APPROVAL <i>Thomas J. Mennig</i>	167. FEE 0

RECOMMENDED ACTION RE: C.O.			
169. DATE ISSUED 01/08/81	170. EXPIRATION DATE 06/30/83	171. SIGNATURE OF APPROVAL <i>Thomas J. Mennig</i>	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 *9K*

4. ☐ APPLICATION FOR C.O. DENIED DATE _____ INITIALED _____

174. SPECIAL CONDITIONS:

1. **NONE**

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

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

03/07

261400 0894 00093 W I

LOCATION FAC EP

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

OWNER	FACILITY	(11) CONFIDENTIAL STATUS	NON-CONFIDENTIAL
1) TAYLOR INSTRUMENT PRO CONT DIV	(6) TAYLOR INST PROCESS CONTROL	(12) COMPLIANCE STATUS	IN COMPLIANCE
2) 95 AMES ST	(7) 95 AMES ST	DATE OF LAST CHANGE	06/01/81
3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14601	(13) PRIOR CO ISSUE DATE	01/08/81
5) 14601	(10) REP: F. CERVELLONI	(14) PRIOR CO EXPIRATION DATE	06/30/83

MISSION POINT 00093	(41)UTM-E: 284.8 KM.	(42)STACK HEIGHT: 20 FT.	(43)EXIT VELOCITY: 8.75 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: -23 FT.	(48)EXIT FLOW: 1146.00 ACFM	(49)CO FEE:	(50)AGENCY-CODE-2:
	(51)GRND ELEV: 526 FT.	(52)STK DIAM: 20 IN.	(53)EXIT TEMP: 80 DEGR F	(54)CO CONDITIONS: 1 3	
UNIT I	(55)HOURS/DAY: 12.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1408	SOLDERING
	(59)BLDG: 44	(60)FLOOR NAME: 1	Dep 180	(61)RULE 1: 212.00	(62)RULE 2:
PROCESS/UNIT DESCRIPTION	(72)DESCRIPTION	1. WAVE SOLDER MACHINE DRYING OVENS POST WAVE 2. SOLDER WASHER			
CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: TAURUS MOD T21-TCMS	(75)ID: 01	(76)DATE INSTALLED: 01/76	(78)USEFUL LIFE: 10
		(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	10 ^x	PERMISSIBLE
PROPYL ALCOHOL	(085) 00067-63-0	(086) D	(087) .820	(088) 01	(089) 09	(090) .820	(091)	(092) .820	(093) 2.460	(094) .0	(095) 2.4
PTICULATES	(107) NY075-00-0	(108) B	(109) .010	(110) 21	(111) 09	(112) 5.000	(113)	(114) .001	(115) 3.000	(116) 0	(117) 3.0

15) PRIOR COMMENTS (16) BY	(17) DATE	(18) CURRENT COMMENTS (19) BY <i>J. Kennedy</i>	(20) DATE <i>07/01/83</i>	(21) COMPLIANCE	<i>5</i>
1.		1. <i>Operating as time of inspection</i>		(22) DATE OF NEXT ACTION	<i>02/28/85</i>
2.		2. <i>Process Equipment SPS</i>		CERTIFICATE TO OPERATE	
3.		3.		(23) ISSUE DATE	<i>06/30/83</i>
4.		4. <i>no visual emissions</i>		(24) EXPIRATION DATE	<i>06/30/83</i>
5.		5.		(25) CO FEE	<i>\$5000</i>

FORM REP'S SIGNATURE:

F. Cervelloni

DATE:

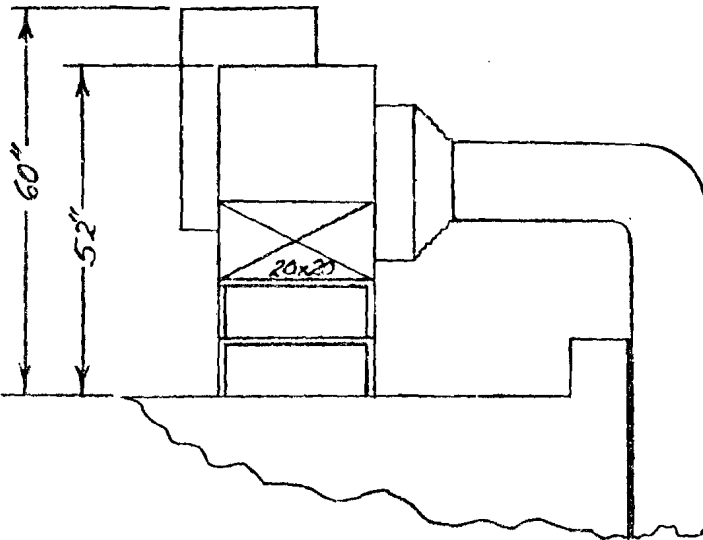
6-28-83

ISSUING OFFICER'S SIGNATURE:

DATE:

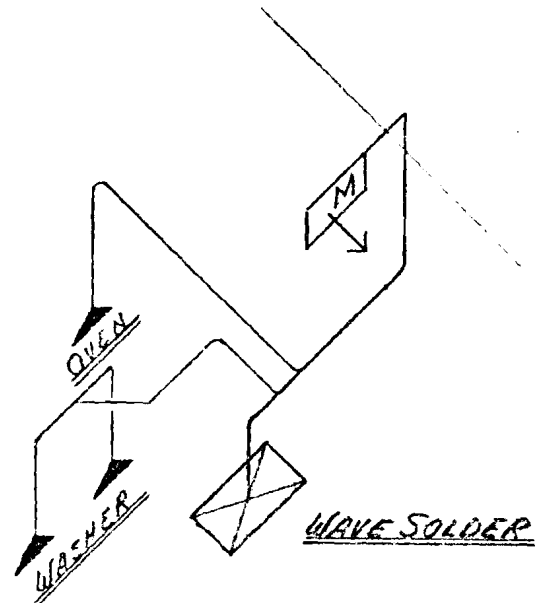
E.P. NO.	0	0	0	9	3
OWN. 2-5-76 J. PIECH					
REV. 9-30-80					

DEPT. 180 BLOS. 44



BLOWER - TAURUS TYPE TCMS
MOD. T21-TCMS
#12556

MOTOR - BALDOR 2HR



ENV. RATING - D

FACILITY EMISSION POINT
 3 9 4 0 0 0 9 4 1

NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

WHITE -
 GREEN -
 WHITE -
 WHITE -
 YELLOW -

INSTRUCTIONS
 6-11-12
 ANSWERING
 SECTION

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

1. NAME OF COMPANY Energy Planning Inc.			9. NAME OF AUTHORIZED AGENT Fred J. Belluscio			10. TELEPHONE 385-4280			19. FACILITY NAME (IF DIFFERENT FROM PROCESS)		
2. ADDRESS			11. NUMBER AND STREET ADDRESS 100 Bluff Dr. P.O. Box 387						20. FACILITY LOCATION (NUMBER AND NAME OF HIGHWAY)		
3. CITY - TOWN - VILLAGE			12. CITY - TOWN - VILLAGE East Rochester			13. STATE New York			14. ZIP 14445		
4. STATE New York			5. ZIP 14601			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			25. START UP DATE 1 / 77			26. DRAWING NUMBER Blag. 44		
E. ☐ STATE H. ☐ HOSPITAL			F. ☐ MUNICIPAL I. ☐ RESIDENTIAL			G. ☐ EDUC. INST. J. ☐ OTHER			27. PERMIT TO CONSTRUCT A. ☐ NEW SOURCE B. ☐ MODIFICATION		
8. TELEPHONE 235-5000 Ext. 3573			31. HEIGHT ABOVE STRUCTURES (FT.) -24			32. STACK HEIGHT (FT.) 19			33. INSIDE DIMENSIONS (IN.) 8		
34. EXIT TEMP (°F) 92			35. EXIT VELOCITY (FT/SEC) 38			36. EXIT FLOW RATE (ACFM) 794			37. SOURCE CODE 1408		
38. HRS/DAY 12			39. DAYS/YR 250			40. DATE 11/20/80			41. COMMENTS		

ve Solder Machine

44. MANUFACTURER'S NAME AND MODEL NUMBER Taurus 12 TSC		45. DISPOSAL METHOD 9		46. DATE INSTALLED MONTH / YEAR 1 / 76		47. USEFUL LIFE	
50.		51.		52.		53.	

rom Solder, Lonco Fusecoat 240

is Alkyl-Arylpolyetheralcohol.

.81 lb./gal.

5 gal. added per day to sustain quantity in tank

00% lost by drag-out

CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)	
CAS NUMBER					ACTUAL	UNIT	HOW DET	PERMISSIBLE		ERP	ACTUAL
55. N4990-00-0	56. 37	57. 2	58. D	59. .04	60. 1	61. 98	62. .04	63. 0	64. .04	65. .04	
70. N4075-00-0	71.	72.	73. B	74. .015	75. 21	76. 9	77. 5	78. 0	79. .001	80. .001	
85.	86.	87.	88.	89.	90.	91.	92.	93.	94.	95.	

ITY	EMISSION POINT
94	00094 I

8-2614-00531/0052-0
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

WHITE
GREEN
WHITE
WHITE
YELLOW

INSTRUCTIONS
IN
1-12
ANSWERING
ION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

9. NAME OF AUTHORIZED AGENT Lozier Architects/Engineers		10. TELEPHONE 716-223-7610		19. FACILITY NAME (IF DIFFERENT FROM PROCESS) Combustion Engineering Process Automation	
11. NUMBER AND STREET ADDRESS 600 Perinton Hills		20. FACILITY LOCATION (NUMBER AND STREET) 95 Ames Street		24. CITY-TOWN-VILLAGE Rochester	
12. CITY-TOWN-VILLAGE Fairport		13. STATE N.Y.		14. ZIP 14450	
15. NAME OF P.E. OR ARCHITECT PREPARING APPLICATION Timothy C. Rock P.E.		16. N.Y.S. P.E. OR ARCHITECT LICENSE NO. 54572		17. TELEPHONE 716-223-7610	
18. SIGNATURE OF OWNERS REPRESENTATIVE OR AGENT WHEN APPLYING FOR A PERMIT TO CONSTRUCT <i>Robert C. Delt</i>		25. START UP DATE 7/88		26. DRAWING NUMBER EX-88	
27. PERMIT TO CONSTRUCT A. ☒ NEW SOURCE B. ☐ MODIFICATION		28. PERMIT TO CONSTRUCT A. ☐ NEW SOURCE B. ☐ MODIFICATION		29. PERMIT TO CONSTRUCT A. ☐ NEW SOURCE B. ☐ MODIFICATION	

31. HEIGHT ABOVE STRUCTURES (FT.) 2	32. STACK HEIGHT (FT.) 12	33. INSIDE DIMENSIONS (IN.) 9 x 8	34. EXIT TEMP. (°F) 550	35. EXIT VELOCITY (FT/SEC) 15.6	36. EXIT FLOW RATE (ACFM) 468	37. SOURCE CODE 1408	38. HRS/DAY 16	39. DAYS/YR 3260
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olderer utilizes a conveyor for running parts through an
lux bath and then through a open solder vat. The entire
or unit is covered and has an exhaust duct to roof. Wave
unit is a GBS 3/pc made by Hollis Automation, Inc.

MANUFACTURER'S NAME AND MODEL NUMBER	DISPOSAL METHOD	DATE INSTALLED MONTH / YEAR	USEFUL LIFE
4.	45.	46. /	47.
0.	51.	52. /	53.

T A M I N A N T		INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFIC'CY	HOURLY EMISSIONS (LBS/Hr)	
	CAS NUMBER				ACTUAL	UNIT	HOW DET	PERMISSIBLE		ERP	ACTUAL
55.	07439-92-1	56.	57.	58. A	59.	60. 94	61. 9	62.	63.	64.	65.
70.	07440-31-5	71.	72.	73. B	74.	75. 94	76. 9	77.	78.	79.	80.
85.		86.	87.	88.	89.	90.	91.	92.	93.	94.	95.

261400 0894 00094 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		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) COMPLIANCE STATUS	IN COMPLIANCE		
2) 95 AMES ST	(7) 95 AMES ST	DATE OF LAST CHANGE	01/27/81		
3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14601	(13) PRIOR CO ISSUE DATE	01/08/80		
5) 14601	(10) REP: F. CERVELLONI	(14) PRIOR CO EXPIRATION DATE	06/30/83		

EMISSION POINT 00094	(41)UTM-E: 284.8 KM.	(42)STACK HEIGHT: 19 FT.	(43)EXIT VELOCITY: 38.00 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: 4-24 FT.	(48)EXIT FLOW: 794.00 ACFM	(49)CO FEE:	(50)AGENCY-CODE-2:
	(51)GRND ELEV: 526 FT.	(52)STK DIAM: 8 IN.	(53)EXIT TEMP: 92 DEGR F	(54)CO CONDITIONS: 1 3	
UNIT I	(55)HOURS/DAY: 12.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1408	SOLDERING
	(59)BLDG: 44	(60)FLOOR NAME: 1	(61)RULE 1: 212.00	(62)RULE 2:	
PROCESS/UNIT DESCRIPTION	(72)DESCRIPTION 1. WAVE SOLDER MACHINE				
CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: TAUPUS 12 TSC	(75)ID: 01	(76)DATE INSTALLED: 01/76	(78)USEFUL LIFE: 10
	(77)DISPOSAL METHOD: 09- OTHER				

IR 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
SCCELLANEOUS ORG	(085) NY990-00-0	(086) D	(087) .040	(088) 01	(089) 09	(090) .040	(091)	(092) .040	(093) 1.200	(094) 0	(095) 1.2
ARTICULATES	(096) NY075-00-0	(097) B	(098) .015	(099) 21	(100) 09	(101) 5.000	(102)	(103) .001	(104) 3.000	(105) 0	(106) 3.0

15)PRIOR COMMENTS (16)BY	(17)DATE	(18)CURRENT COMMENTS (19)BY <u>J. Kennedy</u>	(20)DATE <u>07/01/83</u>	(21)COMPLIANCE	<u>5</u>
1.		1. <u>Operating within inspection</u>		(22)DATE OF NEXT ACTION	<u>02/28/83</u>
2.		2. <u>Process & Control Equipment OK</u>		CERTIFICATE TO OPERATE	
3.		3. <u>no unusual emissions</u>		(23)ISSUE DATE	<u>06/30/83</u>
4.		4.		(24)EXPIRATION DATE	<u>06/30/83</u>
5.		5.		(25)CO FEE	<u>\$50.00</u>

IRM REP'S SIGNATURE:

Frank Cervelloni

DATE:

6-28-83

ISSUING OFFICER'S SIGNATURE:

DATE:

Eng. Drawing

7/12/82

I.P. #00094

These amounts of Lead, Tin, Iron and Alcohol and glycerine
 will may be omitted. Should not be a problem.

Q.1

Q.2

~~$$V_E = \frac{C}{A} = \frac{1.5 \times 10^{-10}}{1.5 \times 10^{-10}} = 1.0$$

$$V_E = \frac{C}{A} = \frac{1.5 \times 10^{-10}}{1.5 \times 10^{-10}} = 1.0$$

$$V_E = \frac{C}{A} = \frac{1.5 \times 10^{-10}}{1.5 \times 10^{-10}} = 1.0$$~~

Q.1

$$\frac{C_c}{A_c} = \frac{1.5 \times 10^{-10} \left(\frac{1.5 \times 10^{-10}}{1.5 \times 10^{-10}} \right)}{(9.0 \times 10^{-10}) \left(\frac{1.5 \times 10^{-10}}{1.5 \times 10^{-10}} \right)} = 1.0 \times 10^{-10}$$



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 Taylor Instrument Company			9. NAME OF AUTHORIZED AGENT			10. TELEPHONE			19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)								
	2. NUMBER AND STREET ADDRESS 95 Ames Street			11. NUMBER AND STREET ADDRESS			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)											
	3. CITY - TOWN - VILLAGE Rochester			4. STATE New York			5. ZIP 14601			21. CITY - TOWN - VILLAGE			22. COUNTY					
	6. OWNER CLASSIFICATION E. ☐ STATE H. ☐ HOSPITAL A. ☐ COMMERCIAL C. ☐ UTILITY F. ☐ MUNICIPAL I. ☐ RESIDENTIAL B. ☒ INDUSTRIAL D. ☐ FEDERAL G. ☐ EDUC. INST. J. ☐ 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 Bldg. 30-N			24. FLOOR NAME OR NUMBER Floor 1 Dept. 130		
	7. NAME & TITLE OF OWNERS REPRESENTATIVE Frank Cervelloni Plant Engineer			8. TELEPHONE 235-5000 ext. 3573			18. SIGNATURE OF REPRESENTATIVE OR AUTHORIZED AGENT <i>Frank Cervelloni</i>						25. DATE APPLICATION COMPLETED 1 / / 77			26. EXPECTED DATE OF OPERATION 12 / 78		
													27. PERMIT TO CONSTRUCT A. ☐ NEW SOURCE B. ☐ MODIFICATION			28. CERTIFICATE TO OPERATE A. ☐ NEW SOURCE C. ☒ EXISTING SOURCE B. ☐ MODIFICATION		

FOR AGENCY USE ONLY

29. LOCATION CODE 261400		30. FACILITY ID. NO. 0047		31. U.T.M.(E) 2040		32. U.T.M.(N) 7808		33. SIC NUMBER 821		34. DATE APPL. RECEIVED 4 / 11 / 77		35. DATE APPL. REVIEWED 4 / 11 / 77		36. REVIEWED BY: <i>John J. Small</i>	
PERMIT TO CONSTRUCT 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 ☐								RECOMMENDATION OF C.O. APPROVAL 41. DATE ISSUED: 4 / 11 / 77 42. EXPIRATION DATE: 05 / 01 / 78 43. SIGNATURE OF APPROVAL: <i>John J. Small</i> 44. 1. ☒ INSPECTED BY: <i>John J. Small</i> Name: <i>John J. Small</i> Date: <i>4 / 11 / 77</i> 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 <i>Frank Cervelloni</i>		DATE 3 / 21 / 77	
--	--	--	--	----------------------------	--

45. EMISSION POINT ID. B 0001	46. GROUND ELEV. (FT) 530	47. HT. ABOVE STRUCTURES (FT) -39	48. STACK HT. (FT) 24	49. INSIDE DIAM. (IN.) 12	50. EXIT TEMP. (°F) 70	51. EXIT VELOCITY (FT/SEC) 40	52. EXIT FLOW RATE (SCFM) 2400	53. DRAFT TYPE ☒ N ☐ F ☐ I	54. WIND DIRECTION WSW	55. RECEPTOR DISTANCE (FT.) 100	56. DRAWING NUMBERS OF PLANS SUBMITTED 00095
---	-------------------------------------	---	---------------------------------	-------------------------------------	----------------------------------	---	--	---	----------------------------------	---	--

S E C T I O N A	57. DESCRIBE PROCESS OR UNIT: "Timesaver" Bender Exhaust												58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS: 1	

S E C T I O N D	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	FUEL TYPE	FLOW RATE (SCFM)	TEMP (°F)	PRESSURE DROP (IN. H ₂ O)	HORSE POWER	CONTAM'T CONTROL'D	EFFICIENCY (%)	HOW DET.	DISP. METH.	INITIAL COST (\$)	OPER. COST (\$)	DATE INSTALLED	USEFUL LIFE
	59. 61	60. Torit Mod. #24FB	61. NA	62. 2400	63. 70	64. 3.5	65. 7.5	66. 075	67.	68.	69.	70.	71.	72. 3 / 75	73.
	74. 03	75. Torit #24FC	76.	77. 2400	78. 70	79. 3.5	80. 7.5	81. 075	82. 71.2	83. 2	84.	85.	86.	87. /	88.

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

S E C T I O N E	59. DESCRIBE PROCESS OR UNIT: Belt Sander												58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS: 1	

S E C T I O N F	CONTAMINANT												AGENCY USE ONLY																																																											
	NAME												ENV. RATING ALLOWABLE EMISSIONS UNITS																																																											
	89. Sand (S)												101. C 102. 0.05 103. 5																																																											
	104.												116. 117.																																																											
	109.												131. 132. 133.																																																											
	134.												146. 147. 148.																																																											
	149.												161. 162. 163.																																																											
	164.												176. 177. 178.																																																											
S E C T I O N G	SOLID FUEL												OIL												GAS												CONTROL EQUIPMENT												CONTROL EQUIPMENT												CONTROL EQUIPMENT											
	TYPE LBS/HR %S												TYPE G.P.H. %S												TYPE C.F.H. BTU/CF												TYPE NUMBER												TYPE NUMBER												TYPE NUMBER											
	179. 180. 181.												182. 183. 184.												185. 186. 187.												188. 189. 190.												191. 192. 193.												194. 195. 196.											

NOTES 1. Plans must be submitted in triplicate with this application.
2. Any person knowingly making any false statement or false report in connection with this application shall be liable for penalties as prescribed by law.

AIR 1001 (7/73)

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

SEQNC NO: 8-R-0172
RUN DATE: 04/18/88

C 261400 0894 00095 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		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	DATE OF LAST CHANGE	04/07/88
(2) 95 AMES ST	(7) 95 AMES ST	PRIOR CO ISSUE DATE	06/30/83	PRIOR CO EXPIRATION DATE	06/30/88
(3) ROCHESTER (4) NY	(8) ROCHESTER (9) 14601				
(5) 14601	(10) REP: ROBERT HALTON				

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

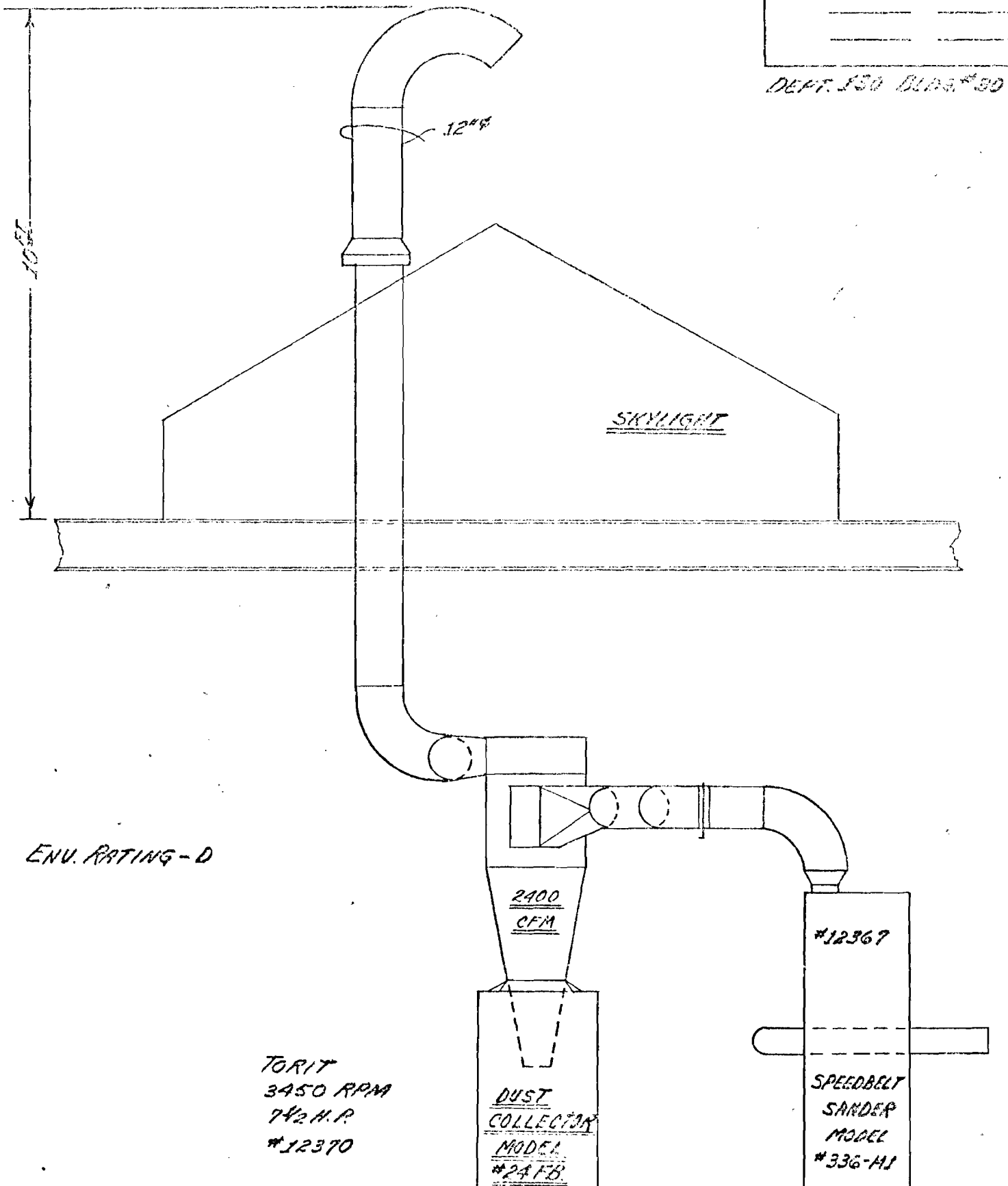
EMISSION POINT 00095	(41)UTH-E: 284.8 KM.	(42)STACK HEIGHT: 24 FT.	(43)EXIT VELOCITY: 51.00 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
	(46)UTH-N: 780.8 KM.	(47)HT ABV STRUC: -19 FT.	(48)EXIT FLOW: 2400.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
	(51)GRND ELEV: 530 FT.	(52)STK DIAM: 12 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1	
UNIT I	(55)HOURS/DAY: 2.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1103	SANDING OR GRINDING
	(59)BLDG: BLDG 30 N	(60)FLOOR NAME: FL 1 DEPT 130	(61)RULE 1: 212.00	(62)RULE 2:	
PROCESS/UNIT DESCRIPTION	(72)DESCRIPTION	1. TIMESAVER SANDER EXHAUST			
CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: TORIT MOD 24FB	(75)ID: 1	(76)DATE INSTALLED: 05/75	(78)USEFUL LIFE: 20 YEARS
		(77)DISPOSAL METHOD: 09 OTHER			
CONTROL EQUIPMENT	(79)TYPE: 005 CYCLONE	(80)MFG: TORIT 24FB	(81)ID: 2	(82)DATE INSTALLED: 05/75	(84)USEFUL LIFE: 20 YEARS
		(83)DISPOSAL METHOD: 02 LANDFILL - OFFSITE			

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
PARTICULATES	(085) NY075-00-0	(086) C	(087) .001	(088) 20	(089) 09	(090) .050	(091) 95.0	(092) .001	(093) .500	(094) 0	(095) .500

(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 07/01/83	(18)CURRENT COMMENTS (19)BY	(20)DATE	(27)LAST INSPECTION DATE
1. NOT OPERATING AT TIME OF INSPECTION	1.	/ /	03/04/88
2. PROCESS & CONTROL EQ. SAT.	2.		(21)INSPECTION STATUS
3.	3.		5
4.	4.		(22)DATE OF NEXT ACTION
5.	5.		/ /
			(23)ISSUE DATE
			06/30/88
			(24)EXPIRATION DATE
			06/30/93
			(25)CO FEE
			50

DATE	10/10/95
BY	23011 JIMMY

DEPT. 150 BUREAU 90





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 Taylor Instrument Company			9. NAME OF AUTHORIZED AGENT			10. TELEPHONE			19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)										
	2. NUMBER AND STREET ADDRESS 95 Ames Street			11. NUMBER AND STREET ADDRESS			20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)													
	3. CITY - TOWN - VILLAGE Rochester			4. STATE New York			5. ZIP 14601			21. CITY - TOWN - VILLAGE			22. COUNTY							
	6. OWNER CLASSIFICATION E. ☐ STATE H. ☐ HOSPITAL A. ☐ COMMERCIAL C. ☐ UTILITY F. ☐ MUNICIPAL I. ☐ RESIDENTIAL B. ☒ INDUSTRIAL D. ☐ FEDERAL G. ☐ EDUC. INST. J. ☐ OTHER			15. NAME OF P.E. OR ARCHITECT PREPARING PLANS			16. NYS P.E. OR ARCH'T LIC. NO.			17. TELEPHONE			23. BLDG. NAME OR NUMBER Bldg. 4			24. FLOOR NAME OR NUMBER Floor 1 Dept. 055				
	7. NAME & TITLE OF OWNERS REPRESENTATIVE Frank Carvallon Plant Engineer			8. TELEPHONE 235-5000 ext. 357			18. SIGNATURE OF REPRESENTATIVE OR AUTHORIZED AGENT <i>Frank Carvallon</i>			25. DATE APPLICATION COMPLETED 1 / 11 / 77			26. EXPECTED DATE OF OPERATION 12 / 78			27. PERMIT TO CONSTRUCT A. ☐ NEW SOURCE B. ☐ MODIFICATION			28. CERTIFICATE TO OPERATE A. ☐ NEW SOURCE C. ☒ EXISTING B. ☐ MODIFICATION	

FOR AGENCY USE ONLY

29. LOCATION CODE		30. FACILITY ID. NO.		31. U. T. M. (E)		32. U. T. M. (N)		33. SIC NUMBER		34. DATE APPL. RECEIVED 9 / 28 / 77		35. DATE APPL. REVIEWED 9 / 11 / 77		36. REVIEWED BY: <i>John J. Carroll</i>	
P E R M I T T O C O N S T R U C T 37. DATE ISSUED: 1 / 11 / 77 38. EXPIRATION DATE: 1 / 11 / 77 39. SIGNATURE OF APPROVAL: <i>John J. Carroll</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 ☐ NO ☐ R E C O M M E N D A T I O N O F C. O. A P P R O V A L 41. DATE ISSUED: 4 / 11 / 77 42. EXPIRATION DATE: 25 / 01 / 78 43. SIGNATURE OF APPROVAL: <i>John J. Carroll</i> 44. 1. ☐ INSPECTED BY _____ Name _____ Date _____ 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: *John J. Carroll* DATE: **3/21/77**

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	00096	529	7	48	10	70	31	850	☐ N ☐ F ☒ T	WSW	174	00096

57. DESCRIBE PROCESS OR UNIT:
Painting in paint booth

58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS: **2**

SEC.	CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	FUEL TYPE	FLOW RATE (SCFM)	TEMP (°F)	PRESSURE DROP (IN. H ₂ O)	HORSE POWER	CONTAM'T CONTROL'D	EFFICIENCY (%)	HOW DET.	DISP. METH.	INITIAL COST (\$)	OPER. COST (\$)	DATE INSTALLED	USEFUL LIFE
C	01	Clarage Size 18 Type - LSHW	NA	850	70	1.45	1.5							6 / 75	
D															

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

Usage - 5 gal./day or 60 lbs./day.
2/3 of which is reclaimed for future use.

ERP = $(1 - \frac{2}{3}) 60 \text{ lbs./day} = 20 \text{ lbs./day} \times \frac{\text{day}}{24 \text{ hrs}} = 25 \text{ lbs./hr}$

2.5

CONTAMINANT												AGENCY USE ONLY											
NAME	%	CODE	INPUT OR PRODUCTION	UNITS	ERP (LBS/HR)	HRS DAY	DAYS YR	PROPOSED RATING	ACTUAL EMISSIONS	UNITS	ACTUAL EMISSIONS (LBS/HR)	ENV. RATING	ALLOWABLE EMISSIONS	UNITS									
89. Chloroethene	100	720	92.	93.	2.5	95.	96.	97.	98.	99.	2.5	101.	102.	103.									
104.			105.	106.	107.	108.	109.	110.	111.	112.	113.	114.	115.	116.									
119.			120.	121.	122.	123.	124.	125.	126.	127.	128.	129.	130.	131.									
134.			135.	136.	137.	138.	139.	140.	141.	142.	143.	144.	145.	146.									
149.			150.	151.	152.	153.	154.	155.	156.	157.	158.	159.	160.	161.									
164.			165.	166.	167.	168.	169.	170.	171.	172.	173.	174.	175.	176.									

SEC.	TYPE	LBS/HR	%S	TYPE	G.P.H.	%S	TYPE	C.F.H.	BTU/CF	CONTROL EQUIPMENT TYPE	NUMBER	CONTROL EQUIPMENT TYPE	NUMBER	CONTROL EQUIPMENT TYPE	NUMBER	PROCESS CODE	APPLICABLE CODE(S)
G	2	SOLID FUEL															
	179.	180.	181.	182.	183.	184.	185.	186.	187.	188.	189.	190.	191.	192.	193.	194.	195.

NOTES: 1. Plans must be submitted in triplicate with this application.
2. Any person knowingly making any false statement or false report in connection with this application shall be liable for penalties as prescribed by law.

AIR 100 I (7/73)

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

SEQNC NO: 8-R-0173
RUN DATE: 04/18/88

261400 0894 00096 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		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	07/01/82		
(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: 48 FT.	(43)EXIT VELOCITY: 31.00 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
POINT	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: 7 FT.	(48)EXIT FLOW: 850.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
00096	(51)GRND ELEV: 529 FT.	(52)STK DIAM: 10 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1	

UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1203	DEGREASING AND CLEAN
	(59)BLDG: BLDG 4	(60)FLOOR NAME: FL 1 DEPT 055	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. VACUUM IMPREGNATION
DESCRIPTION

CONTROL	(73)TYPE: 001 FAN	(74)MFG: CLARAGE SIZE 18 TYPE LSRU	(75)ID: 01	(76)DATE INSTALLED: 06/75
EQUIPMENT	(77)DISPOSAL METHOD:	(78)USEFUL LIFE: 20 YEARS		

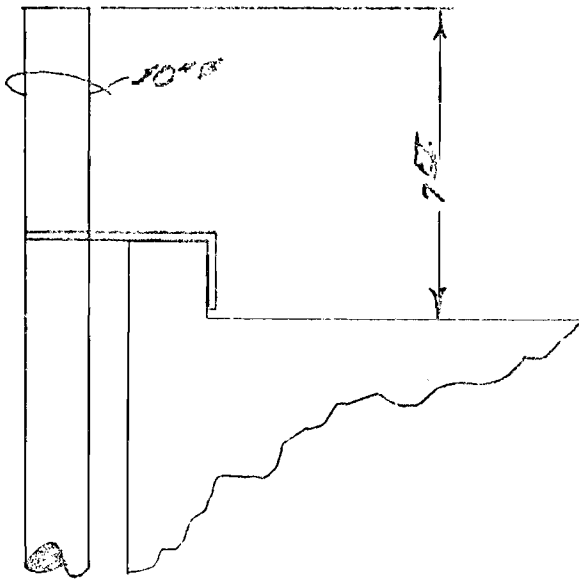
AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
METHYL CHLOROFORM	(085) 00071-55-6	(086) D	(087) 2.500	(088) 01	(089) 06	(090) 2.500	(091)	(092) 2.500	(093) 5000	(094) 0	(095) 5000

(15)PRIOR COMMENTS (16)BY KENNEDY (17)DATE 06/29/82	(18)CURRENT COMMENTS (19)BY (20)DATE / /	(27)LAST INSPECTION DATE 05/04/85
1. SATISFACTORY	1. _____	(21)INSPECTION STATUS 5
2. _____	2. _____	(22)DATE OF NEXT ACTION / /
3. _____	3. _____	(23)ISSUE DATE 06/30/85
4. _____	4. _____	(24)EXPIRATION DATE 06/30/93
5. _____	5. _____	(25)CO FEE 50

FIRM REP'S SIGNATURE: 	DATE: _____	ISSUING OFFICER'S SIGNATURE: _____	DATE: _____
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E.P. NO.	3000
DRAWN BY	J. H. H. H.
DATE	
BY	

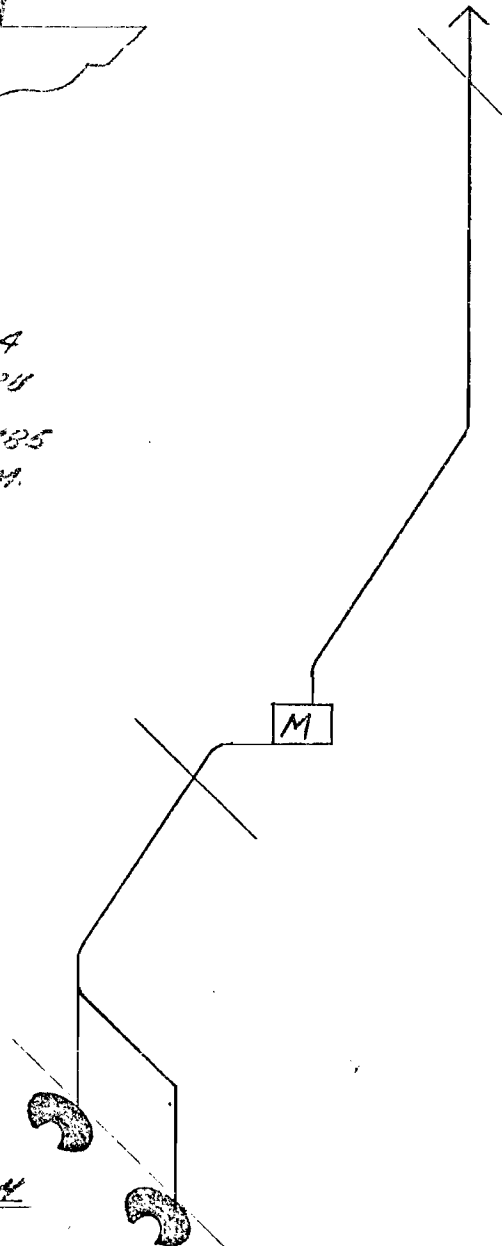
DEPT. 035 BLOOMING



BLOWER - CLARRAGE #12484
SIZE 18 TYPE-LSRU

MOTOR - U.S. ELECTRIC #12485
1 1/2 H.P. 1730 R.P.M.

ENV. RATING - D



CHLOROETHENE BENCH

OP LOCATION FACILITY EMISSION POINT
A 261400 0894 00099 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

1. NAME OF OWNER/FIRM TAYLOR INSTRUMENT COMPANY	9. NAME OF AUTHORIZED AGENT Energy Planning, Inc. Fred J. Belluscio	10. TELEPHONE 385-4280	19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)
2. NUMBER AND STREET ADDRESS 95 Ames Street	11. NUMBER AND STREET ADDRESS 100 Bluff Dr. P.O. Box 387	20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)	
3. CITY - TOWN - VILLAGE Rochester	4. STATE New York	5. ZIP 14601	21. CITY - TOWN - VILLAGE East Rochester
6. OWNER CLASSIFICATION A. ☐ COMMERCIAL C. ☐ UTILITY F. ☐ MUNICIPAL I. ☐ RESIDENTIAL B. ☒ INDUSTRIAL D. ☐ FEDERAL G. ☐ EDUC. INST J. ☐ OTHER	12. CITY - TOWN - VILLAGE New York	13. STATE 14445	14. ZIP
7. NAME & TITLE OF OWNERS REPRESENTATIVE Frank Cervelloni Manager of Facilities	8. TELEPHONE 235-5000 Ext. 3573	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		23. BUILDING NAME OR NUMBER Bldg. 44	24. FLOOR NAME OR NUMBER Floor 1, Dept. 176
25. START UP DATE 6 / 76		26. DRAWING NUMBERS OF PLANS SUBMITTED 00099	
27. PERMIT TO CONSTRUCT A. ☐ NEW SOURCE B. ☐ MODIFICATION		28. CERTIFICATE TO OPERATE A. ☐ NEW SOURCE C. ☒ EXISTING SOURCE B. ☐ MODIFICATION	

29. EMISSION POINT ID. 00099	30. GROUND ELEVATION (FT.) 526	31. HEIGHT ABOVE STRUCTURES (FT.) -25	32. STACK HEIGHT (FT.) 18	33. INSIDE DIMENSIONS (IN.) 18	34. EXIT TEMP (°F) 70	35. EXIT VELOCITY (FT/SEC) 58	36. EXIT FLOW RATE (ACFM) 6200	37. SOURCE CODE 1605	38. HRS/DAY 8	39. DAYS/YR 250	40. % OPERATION BY SEASON Winter Spring Summer Fall 2 5 2 5 2 5 2 5
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41. DESCRIBE PROCESS OR UNIT Epoxy Application Benches (2) AND Curing Oven	42. EMISSION CONTROL EQUIPMENT I.D. 01	43. CONTROL TYPE 01	44. MANUFACTURER'S NAME AND MODEL NUMBER Clarge 40 MB-RU	45. DISPOSAL METHOD 9	46. DATE INSTALLED MONTH / YEAR 6 / 76	47. USEFUL LIFE
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48. EMISSION CONTROL EQUIPMENT I.D. 01	49. CONTROL TYPE 01	50. MANUFACTURER'S NAME AND MODEL NUMBER Clarge 40 MB-RU	51. DISPOSAL METHOD 9	52. DATE INSTALLED MONTH / YEAR 6 / 76	53. USEFUL LIFE
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CALCULATIONS

Epoxy used: "Conothane" Hardener contains 15.5% aromatic Toluenediisocyanate (TDI). Calculations assume 100% is evolved; Density of Conothane is 9.181 lb/gal.; Avg. usage is 107 gal/yr.

*Therefore, if average hourly use of Conothane is .4916 pounds, then 7.6×10^{-2} pounds/hr. of TDI are evolved.

CONTAMINANT		INPUT OR PRODUCTION	UNIT	ENV. RATING	EMISSIONS				% CONTROL EFFICACY	HOURLY EMISSIONS (LBS/HR)		ANNUAL EMISSIONS (LBS/YR)			
NAME	CAS NUMBER				ACTUAL	UNIT	HOW DET	PERMISSIBLE		ERP	ACTUAL	ACTUAL	10 ^x	PERMISSIBLE	
Toluenediisocyanate (TDI)	00584-784-9	56	57	58	59	60	61	62	63	64	65	66	67	68	
		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
		99	100	101	102	103	104	105	106	107	108	109	110	111	112
		114	115	116	117	118	119	120	121	122	123	124	125	126	127
		129	130	131	132	133	134	135	136	137	138	139	140	141	142
															143

144. TYPE 145	145. SOLID FUEL TONS/YR	146. %S	147. TYPE 148	148. OIL THOUSANDS OF GALLONS/YR	149. %S	150. TYPE 151	151. GAS THOUSANDS OF CF/YR	152. BTU/CF	153. APPLICABLE RULE 212	154. APPLICABLE RULE
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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
2-23-81

156. LOCATION CODE 261400	157. FACILITY ID. NO. 0894	158. U.T.M. (E) 2848	159. U.T.M. (N) 7808	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 Thomas J. Mariani	167. FEE 0

RECOMMENDED ACTION RE: C.O.			
169. DATE ISSUED 04/28/81	170. EXPIRATION DATE 06/30/83	171. SIGNATURE OF APPROVAL Thomas J. Mariani	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 9c			
4. ☐ APPLICATION FOR C.O. DENIED DATE INITIALED			

174. SPECIAL CONDITIONS:	
1. NONE	2.
3.	4.
5.	6.
7.	8.

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

SEQNC NO: 8-R-0178
RUN DATE: 04/18/88

261400 0894 00099 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		F A C I L I T Y		(11) CONFIDENTIAL STATUS	NON-CONFIDNTL
(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		

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00099	(41)UTM-E: 284.8 KM.	(42)STACK HEIGHT: 18 FT.	(43)EXIT VELOCITY: 47.40 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: -25 FT.	(48)EXIT FLOW: 6200.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
	(51)GRND ELEV: 526 FT.	(52)STK DIAM: 20 1/8 IN.	(53)EXIT TEMP: 70.20 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: 1605	CURING
	(59)BLDG: 44 35	(60)FLOOR NAME: X 3	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT (72)DESCRIPTION 1. EPOXY APPLICATION BENCHES AND CURING OVEN
DESCRIPTION

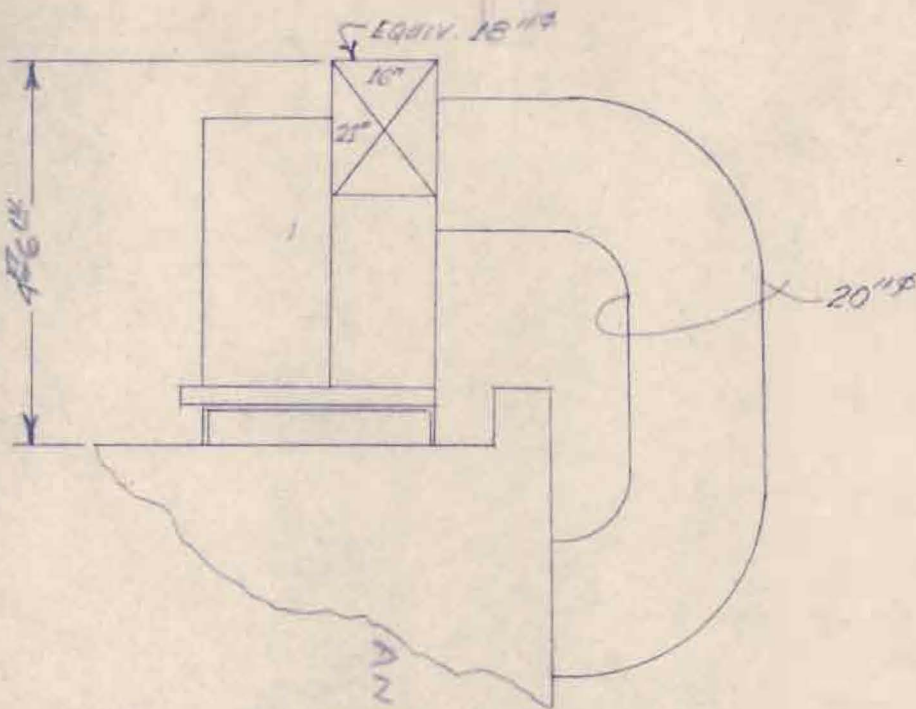
CONTROL (73)TYPE: 001 FAN	(74)MFG: CLARAGE 40 MS-RU	(75)ID: 01	(76)DATE INSTALLED: 06/76
EQUIPMENT	(77)DISPOSAL METHOD: 09 OTHER	(78)USEFUL LIFE: 10 YEARS	

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*	PERMISSIBLE
TOLUENE24DIISOCYANAT	(085) 00584-84-9	(086) A	(087) .008	(088) 01	(089) 09	(090) .008	(091)	(092) .008	(093) 15.200	(094) 0	(095) 15.200

(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 1 / 1
3. _____	3. _____	(23)ISSUE DATE 06/30/88
4. NO VISUAL EMISSIONS	4. _____	(24)EXPIRATION DATE 06/30/93
	5. _____	(25)CO FEE 50

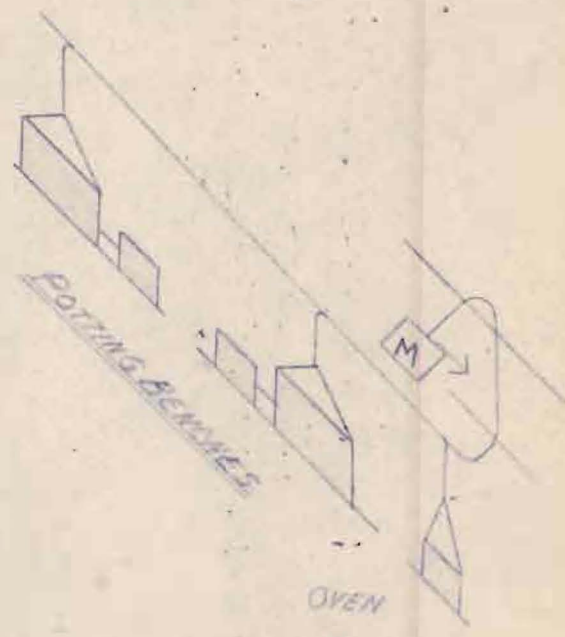
EP NO.	00099
DWN.	7-18-75 J PIECH
REV.	

DEPT. 175 BLDG #44



CLARAGE 40 WAS. RU FAN

3 HP MOTOR #12595
 GENERAL ELECTRIC
 SF 1.15 8.6 AMPS
 230/3/60



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 TAYLOR INSTRUMENT COMPANY				9. NAME OF AUTHORIZED AGENT				10. TELEPHONE		19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)					
	2. NUMBER AND STREET ADDRESS 95 Mass Street				11. NUMBER AND STREET ADDRESS				20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)							
	3. CITY - TOWN - VILLAGE Rochester		4. STATE New York		5. ZIP 14601		12. CITY - TOWN - VILLAGE		13. STATE		14. ZIP		21. CITY - TOWN - VILLAGE		22. COUNTY	
	6. OWNER CLASSIFICATION E. ☐ STATE H. ☐ HOSPITAL A. ☐ COMMERCIAL C. ☐ UTILITY F. ☐ MUNICIPAL L. ☐ RESIDENTIAL B. ☐ INDUSTRIAL D. ☐ FEDERAL G. ☐ EDUC. INST. J. ☐ OTHER				15. NAME OF P.E. OR ARCHITECT PREPARING PLANS Fred J. Belusco				23. BLDG. NAME OR NUMBER Blgd. 49		24. FLOOR NAME OR NUMBER Floor 1		25. DATE APPLICATION COMPLETED 4/11/78		26. EXPECTED DATE OF OPERATION 4/78	
	7. NAME & TITLE OF OWNERS REPRESENTATIVE Frank Cervelloni Plant Engineer				8. TELEPHONE 235-5000 ext. 3573		16. N.Y.S. P.E. OR ARCHITECTS LICENSE NO. 028156		17. TELEPHONE 235-7271		27. PERMIT TO CONSTRUCT A. ☒ NEW SOURCE B. ☐ MODIFICATION		28. CERTIFICATE TO OPERATE A. ☐ NEW SOURCE C. ☐ EXISTING SOURCE B. ☐ MODIFICATION			

I HEREBY AFFIRM UNDER PENALTY OF PERJURY THAT INFORMATION PROVIDED ON THIS FORM IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW.

18. Signature of owner's representative or authorized agent

Date

Frank Cervelloni **4-11-78**

A G E N C Y U S E O N L Y	29. LOCATION CODE 2014000894		30. FACILITY ID. NO. 28427806		31. U. T. M. (E)		32. U. T. M. (N)		33. SIC NUMBER 2821		34. DATE APPL. RECEIVED 7/21/78		35. DATE APPL. REVIEWED 8/7/78		36. REVIEWED BY: ASTORIA								
	PERMIT TO CONSTRUCT 37. DATE ISSUED: / / 38. EXPIRATION DATE: / / 39. SIGNATURE OF APPROVAL: [Signature] 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 ☐																						
	RECOMMENDATION OF C.O. APPROVAL 41. DATE ISSUED: 8/7/78 42. EXPIRATION DATE: 8/7/81 43. SIGNATURE OF APPROVAL: [Signature] 44. 1. ☒ INSPECTED BY [Signature] Name [Name] Date 7/17/78 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 I HEREBY AFFIRM UNDER PENALTY OF PERJURY THAT TO THE BEST OF MY KNOWLEDGE 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. FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW.																						
	45. EMISSION POINT ID. 00100		46. GROUND ELEV. (FT) 530		47. HT ABOVE STRUCTURES (FT) 20		48. STACK HT (FT) 20		49. INSIDE DIAM. (IN.) 6"		50. EXIT TEMP (°F) 70"		51. EXIT VELOCITY (FT/SEC) 1000		52. EXIT FLOW RATE (SCFM) 150		53. DRAFT TYPE ☒ N ☐ F ☐ I		54. WIND DIRECTION SE		55. RECEPTOR DISTANCE (FT) 215		56. DRAWING NUMBERS OF PLANS SUBMITTED: 00100

S E C T I O N A	57. DESCRIBE PROCESS OR UNIT: Exhaust system used in conjunction with the operation of a Stone Cut-off Saw equipped with a water cooling 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 ₂ O)	HORSE POWER	CONTAM'T CONTROL'D	EFFICIENCY (%)	HOW DET.	DISP. METH.	INITIAL COST (\$)	OPER. COST (\$)	DATE INSTALLED	USEFUL LIFE
59.	60. 05 Diamond Dualcollector Mod. DE-5	61.	62. 350	63. 70"	64. 3	65. 11	66. 075	67. 95	68. 9	69. 1	70. -	71. -	72. /	73.
74.	75. 05	76.	77. 350	78. 70"	79.	80.	81.	82.	83.	84.	85.	86.	87. /	88.

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

Production rate: 100 pcs./2-shift operations - actual production hrs. = 14 hrs/day
 Avg. size of various metals - 2" x 2"
 Avg. density of metals = 0.321 lbs/cu.in.
 Saw blade thickness = 5/32"
 Cu. in. of dust/cut = $\frac{2 \times 2 \times 5}{32} = 0.625$
 Weight of dust/cut = $0.32 \times 0.625 = 0.201$ lbs.
 Total wgt. of dust = $100 \times 0.201 = 20.1$ lbs/day
 lbs/hr. = $\frac{20.1}{14} = 1.435$ lbs./hr.
 At 90%-95% Rfity. - Actual emission = $0.05 \times 1.435 = 0.072$ lbs./hr.

S E C T I O N F	CONTAMINANT										AGENCY USE ONLY				
	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
	89.	90.	91.	92.	93.	94.	95.	96.	97.	98.	99.	100.	101.	102.	103.
	Metal Dust	-	075	100	lb.	1.435	14	250	D	0.072		0.072	B	0.05	6
	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 TYPE	LBS/HR	%S	OIL TYPE	GPH	%S	GAS TYPE	CFH	BTU/CF	CONTROL EQUIPMENT TYPE	NUMBER	CONTROL EQUIPMENT TYPE	NUMBER	CONTROL EQUIPMENT TYPE	NUMBER	PROCESS CODE	APPLICABLE CODE(S)
G	179.	180.	181.	182.	183.	184.	185.	186.	187.	188.	189.	190.	191.	192.	193.	194.	195.



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 Taylor Industries Co.					9. NAME OF AUTHORIZED AGENT					10. TELEPHONE					19. FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)														
	2. NUMBER AND STREET ADDRESS 95 2nd St.					11. NUMBER AND STREET ADDRESS					20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)																			
	3. CITY - TOWN - VILLAGE Schenectady			4. STATE N.Y.		5. ZIP 12301		12. CITY - TOWN - VILLAGE			13. STATE		14. ZIP		21. CITY - TOWN - VILLAGE			22. COUNTY												
	6. OWNER CLASSIFICATION A. ☐ COMMERCIAL C. ☐ UTILITY F. ☐ MUNICIPAL I. ☐ RESIDENTIAL B. ☒ INDUSTRIAL D. ☐ FEDERAL G. ☐ EDUC. INST. J. ☐ OTHER					15. NAME OF P.E. OR ARCHITECT PREPARING PLANS					23. BLDG. NAME OR NUMBER					24. FLOOR NAME OR NUMBER														
	7. NAME & TITLE OF OWNERS REPRESENTATIVE					8. TELEPHONE					16. N.Y.S. P.E. OR ARCHITECTS LICENSE NO.					17. TELEPHONE					25. DATE APPLICATION COMPLETED / /					26. EXPECTED DATE OF OPERATION / /				
																					27. PERMIT TO CONSTRUCT A. ☐ NEW SOURCE B. ☐ MODIFICATION					28. CERTIFICATE TO OPERATE A. ☐ NEW SOURCE C. ☐ EXISTING SOURCE B. ☐ MODIFICATION				

I HEREBY AFFIRM UNDER PENALTY OF PERJURY THAT INFORMATION PROVIDED ON THIS FORM IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW.

18. Signature of owner's representative or authorized agent

Date

A G E N C Y U S E O N L Y	29. LOCATION CODE		30. FACILITY ID. NO.		31. U. T. M. (E)		32. U. T. M. (N)		33. SIC NUMBER		34. DATE APPL. RECEIVED		35. DATE APPL. REVIEWED		36. REVIEWED BY:		A G E N C Y U S E O N L Y
	PERMIT TO CONSTRUCT																
	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 ☐																
RECOMMENDATION OF C.O. APPROVAL																	
41. DATE ISSUED / /		42. EXPIRATION DATE / /		43. SIGNATURE OF APPROVAL													
44. 1. ☐ INSPECTED BY _____ Name _____ Date _____ 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

I HEREBY AFFIRM UNDER PENALTY OF PERJURY THAT TO THE BEST OF MY KNOWLEDGE 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. FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW.

SIGNATURE OF AUTHORIZED REPRESENTATIVE OR AGENT

DATE

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 N ☐ F ☐ I ☐	54. WIND DIRECTION	55. RECEPTOR DISTANCE (FT)	56. DRAWING NUMBERS OF PLANS SUBMITTED:
B	00100											

S E C T I O N C	57. DESCRIBE PROCESS OR UNIT:												58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS:

CONTROL TYPE	MANUFACTURER'S NAME AND MODEL NUMBER	FUEL TYPE	FLOW RATE (SCFM)	TEMP. (°F)	PRESSURE DROP (IN. H ₂ O)	HORSE POWER	CONTAM'T CONTROL'D	EFFICIENCY (%)	HOW DET.	DISP. METH.	INITIAL COST (\$)	OPER. COST (\$)	DATE INSTALLED	USEFUL LIFE
59.	60. <i>Hammond</i>	61.	62. <i>250</i>	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.

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

S E C T I O N E	59. DESCRIBE PROCESS OR UNIT:												58. TOTAL NUMBER OF SIMILAR PROCESSES OR UNITS:

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.	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.	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		
	179.	180.	181.	182.	183.	184.	185.	186.	187.	188.	189.	190.	191.	192.	193.	194.	195.

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

SEQNC NO: 8-R-0179
RUN DATE: 04/18/88

261400 0894 00100 W I

LOCATION FAC EP

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

OWNER		FACILITY		(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		

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00100	(41)UTH-E: 284.8 KM.	(42)STACK HEIGHT: 21 FT.	(43)EXIT VELOCITY: 30.00 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
	(46)UTH-N: 780.8 KM.	(47)HT ABV STRUC: 24 FT.	(48)EXIT FLOW: 350.00 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	
UNIT I	(55)HOURS/DAY: 14.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25 25	(58)SOURCE CODE: A1101	MACHINING (TURNING,C
	(59)BLDG: BLDG 49	(60)FLOOR NAME: FLOOR 1 DEPT 377	(61)RULE 1: 212.00	(62)RULE 2:	

PROCESS/UNIT DESCRIPTION (72)DESCRIPTION 1. EXHAUST SYSTEM USED IN CONJUNCTION WITH
2. THE OPERATION OF A STONE CUT-OFF SAW
3. EQUIPPED WITH A WATER COOLING SYSTEM

CONTROL EQUIPMENT	(73)TYPE: 005 CYCLONE	(74)MFG: HAMMOND DUSKOLLECTOR MOD DK-5	(75)ID: 01	(76)DATE INSTALLED: 01/78
		(77)DISPOSAL METHOD: 02 LANDFILL - OFFSITE	(78)USEFUL LIFE: 20 YEARS	
CONTROL EQUIPMENT	(79)TYPE: 005 CYCLONE	(80)MFG: HAMMOND DUSKOLLECTOR MOD DK-5	(81)ID: 02	(82)DATE INSTALLED: 01/78
		(83)DISPOSAL METHOD: 02 LANDFILL - OFFSITE	(84)USEFUL LIFE: 20 YEARS	

CONTINUATION FORM J

CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: HAMMOND	(75)ID: 03	(76)DATE INSTALLED: 01/78
		(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
PARTICULATES	(085) NY075-00-0	(086) B	(087) .020	(088) 20	(089) 09	(090) .050	(091) 95.0	(092) .070	(093) 245.000	(094) 0	(095) 525.000

(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 06/30/93
5. _____	5. _____	(25)CO FEE 50

FORM 8610 SIGNATURE:

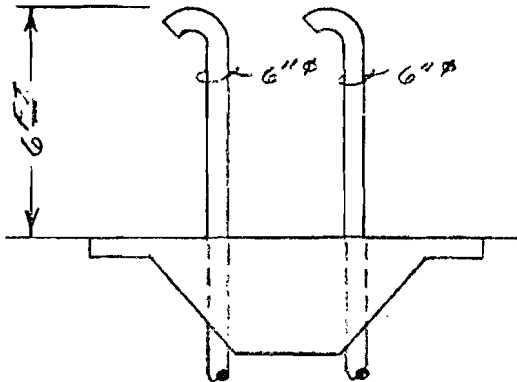
DATE:

ISSUING OFFICER'S SIGNATURE:

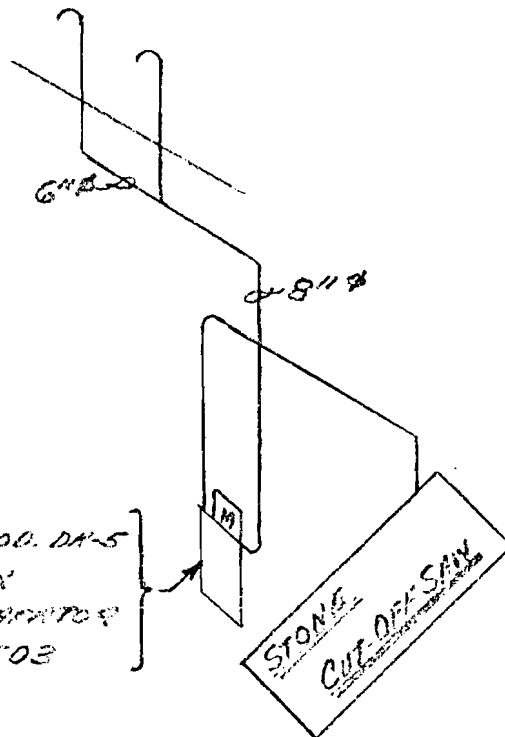
DATE:

E.P. NO.	0	0	1	0	0
DWN. 4-13-73	J.P.H.C.				
REV.	_____				

DEPT. 377 BLDG. #49



MOTOR 1.5 H.P. DELCO
230/440V 60HZ 3φ
3450 R.P.M.



ENV. RATING - D.

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

SEQNC NO: 8-R-0180
RUN DATE: 04/18/88

C 261400 0894 00102 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		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		

FACILITY EMIS-CLASS / PGM-CODE: A2

POINT EMIS-CLASS / PGM-CODE:

EMISSION POINT 00102	(41)UTM-E: 284.8 KM.	(42)STACK HEIGHT: 19 FT.	(43)EXIT VELOCITY: 18.30 FT/SEC	(44)SIC: 3821	(45)AGENCY-CODE-1:
	(46)UTM-N: 780.8 KM.	(47)HT ABV STRUC: -10 FT.	(48)EXIT FLOW: 1350.00 ACFM	(49)CO FEE: \$50.00	(50)AGENCY-CODE-2:
	(51)GRND ELEV: 526 FT.	(52)STK DIAM: 15 IN.	(53)EXIT TEMP: 70 DEGR F	(54)CO CONDITIONS: 1	
UNIT I	(55)HOURS/DAY: 8.0	(56)DAYS/YEAR: 250	(57)% OP BY SEASON: 25 25 25	(58)SOURCE CODE: A1402	BAKING AND DRYING (O
	(59)BLDG: BLDG 44	(60)FLOOR NAME: FLOOR 1 DEPT 180	(61)RULE 1: 212.00	(62)RULE 2:	
PROCESS/UNIT DESCRIPTION	(72)DESCRIPTION 1. EXHAUST SYSTEM INSTALLED IN ROOM TO CONTROL 2. VAPORS WHILE PARTS ARE DRYING OUT				
CONTROL EQUIPMENT	(73)TYPE: 001 FAN	(74)MFG: COOK - CV16	(75)ID: 1	(76)DATE INSTALLED: 06/78	(77)USEFUL LIFE: 10 YEARS
	(77)DISPOSAL METHOD: 09 OTHER				

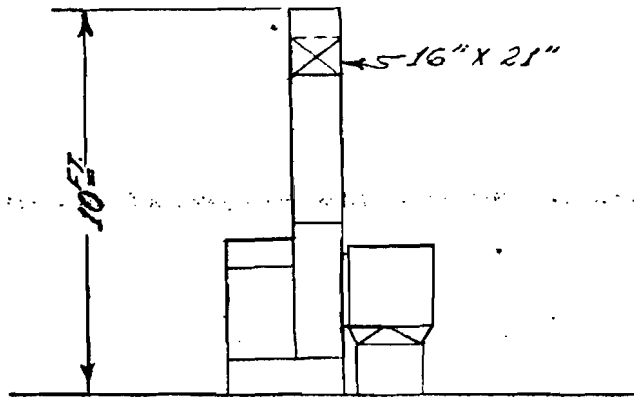
AIR CONTAMINANTS	CAS NUMBER	ENV RATING	E M I S S I O N S				% CONTROL EFFICIENCY	HRLY ACTUAL LBS/HOUR	ANNUAL EMISSIONS (LBS/YEAR)		
			ACTUAL	UNIT	HOW DET	PERMISSIBLE			ACTUAL	10x	PERMISSIBLE
TOLUENE	(085) 00108-88-3	(086) D	(087) 1.140	(088) 01	(089) 09	(090) 1.140	(091)	(092) 1.140	(093) 2280	(094) 0	(095) 2280

(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 06/30/93
5. _____	5. _____	(25)CO FEE 50

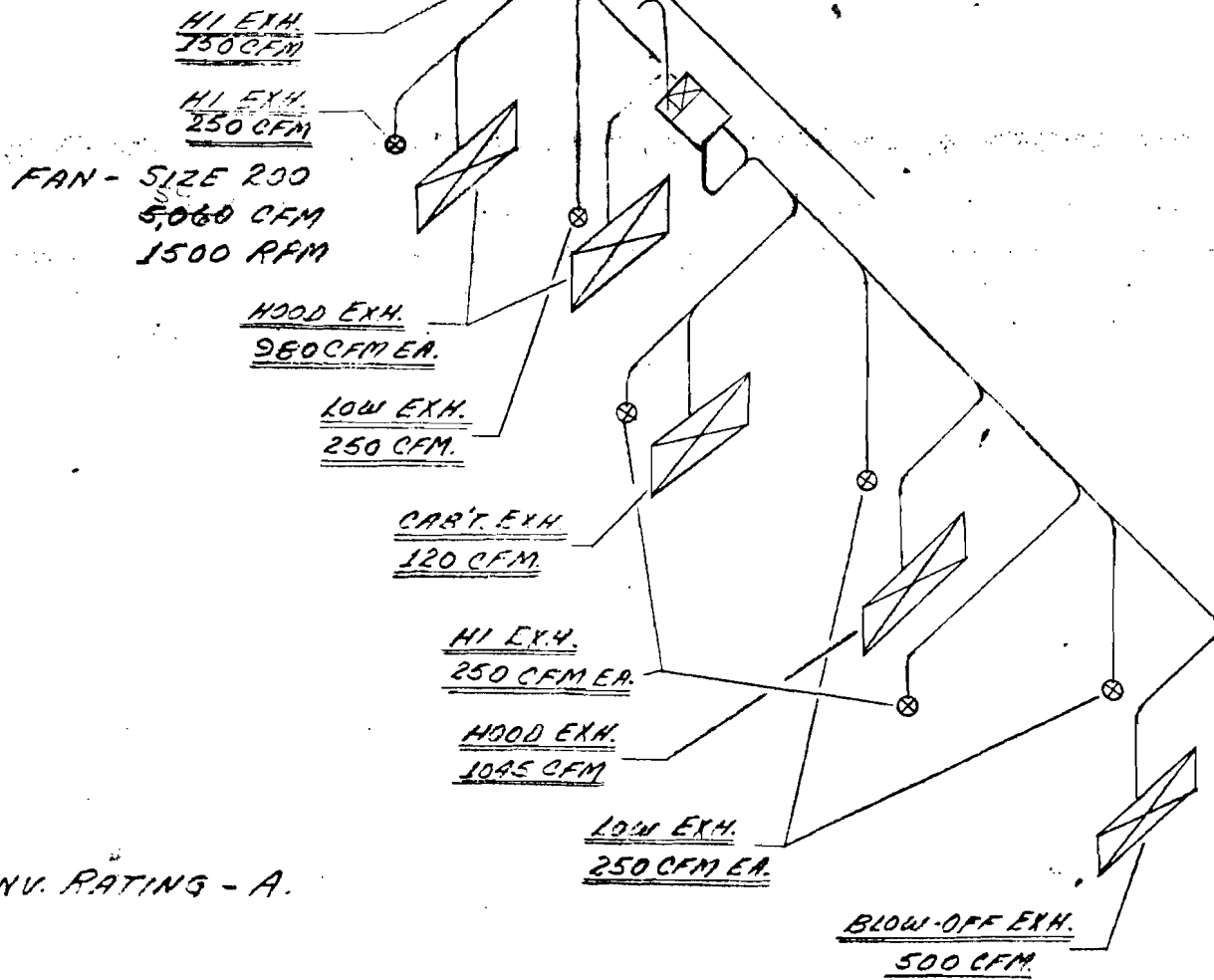
FIRM REP'S SIGNATURE: *APRIL* DATE: *04/18/88* ISSUING OFFICER'S SIGNATURE: _____ DATE: _____

E.P. NO.	00102
DWN. 10-11-79	J. PIECH
REV.	

DEPT. 161 BLDG. 43
EX-115.



BLOWER - BARRY TYPE 200 BVB
5 H.P. 230V - 60Hz - 3P
1725 RPM



ENV. RATING - A.