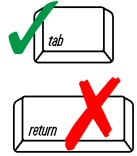


APPENDIX D

Application Forms



**Title V Permit Application
Facility Profile – Form A
Bureau of Air Quality
Page 1 of 2**



**Please Refer to Instruction Pages Before Completing This Form
When filling out forms on the computer, use only the tab key to move your cursor - do not
use the return key.**

FACILITY INFORMATION					
1. Company Name for Permit:	AVX Corporation	2. Existing State Air Permit Number:	1340-0002		
3. Business Mailing Address:	PO Box 867	4. City:	Myrtle Beach	5. State:	SC 6. Zip Code: 29578-0867
7. Plant Location (Street or Highway):	801 17th Avenue South	8. City:	Myrtle Beach	9. State:	SC 10. Zip Code: 29578-0867
11. County:	Horry	12. Primary SIC Code:	3675	13. NAICS Code:	334414
14. EPA (AIRS) Facility Identification No.:	4505100002	15. Latitude:	33-40-42N	16. Longitude:	78-54-35W
17. Date Facility Was Built:	Originally constructed 1949; Modifications in 1985 and 1998				

CONTACT INFORMATION	
RESPONSIBLE OFFICIAL AUTHORIZED REPRESENTATIVE: 18. Last: Sarvis 19. First: John 20. Title: Vice President, SMD 21. Mailing Address Line 1: 801 17th Avenue South 22. Mailing Address Line 2: PO Box 867 23. City: Myrtle Beach 24. State: SC 25. Zip Code: 29578-0867 26. Phone No.: (843) 448-9411 ext. 27. Fax No.: (843) 444-0424 28. E-mail Address: jsarvis@avxus.com	ENVIRONMENTAL / TECHNICAL CONTACT: 29. Last: Bryant 30. First: Ralph 31. Title: Safety & Environ Manager 32. Mailing Address Line 1: 801 17th Avenue South 33. Mailing Address Line 2: PO Box 867 34. City: Myrtle Beach 35. State: SC 36. Zip Code: 29578-0867 37. Phone No.: (843) 946-0326 ext. 38. Fax No.: (843) 444-2883 39. E-mail Address: rbryant@avxus.com

PURPOSE OF APPLICATION
40. Facility Type: <input type="checkbox"/> Conditional Major <input checked="" type="checkbox"/> Title V <input type="checkbox"/> Co-located Facility (co-located facility if yes, name and permit # of co-located facility):
41. Permit Action: <input type="checkbox"/> New <input checked="" type="checkbox"/> Renewal Modification: <input type="checkbox"/> Administrative Amendment (Submit Form AA) <input type="checkbox"/> Minor Modification (Submit Form MM) <input type="checkbox"/> Significant Modification (Submit Form SM) <input type="checkbox"/> Operational Flexibility (Submit Form OF)
42. Attainment Area Designation: Is the source located within a non-attainment area for any of the criteria air pollutants? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", Indicate Non-attainment Pollutant(s): <input type="checkbox"/> PM _{2.5} <input type="checkbox"/> O ₃ (Precursor pollutants to Ozone are NO _x and VOC)

SIGNATURES

I certify, to the best of my knowledge and belief, that no applicable standards and/or regulations will be contravened or violated. I certify that any application form, report, or compliance certification submitted in this permit application is true, accurate, and complete based on information and belief formed after reasonable inquiry. I understand that any statements and/or descriptions which are found to be incorrect may result in the immediate revocation of any permit issued for this application.

43. Responsible Official Signature/Authorized Representative	Title/Position Vice President Ceramics	Date
--	--	------

Note* For change or addition of responsible official(s) submit Responsible Official (RO) Notification Form (see attachment E)



Title V Permit Application
Facility Profile – Form A
Bureau of Air Quality
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CONSULTING FIRM INFORMATION

44. Consulting Firm: Resolute Environmental			
Preparer Name: 45. Last Yoder		46. First Gary	
47. Mailing Address Line 1: 114 Oak Fern Lane			
48. Mailing Address Line 2:			
49. City: Willow Spring		50. State: NC	
		51. Zip Code: 27592-	
52. Phone No.: (919) 701-0009 ext.		53. Fax No.: () -	
		54. E-mail Address: gyoder@nc.rr.com	

****INCOMPLETE APPLICATIONS WILL BE RETURNED****



SUMMARY OF APPLICATION CONTENTS	
GENERAL APPLICATION CONTENTS - DOES THE APPLICATION PACKAGE INCLUDE...	
1. A Table of Contents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2. A list of all items for which a permit is being sought (Form C Information)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3. A plot plan or map?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4. A detailed drawing of the layout of the facility showing exhaust points and dimensions of each structure, including height, width, and length?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
5. A detailed facility-wide process description and flow diagram showing the relationship between each emission unit at the facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6. A detailed process description and diagram for each emission unit at the facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
7. All reasonably anticipated operating scenarios?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
8. Are fugitive emissions included in Forms D, and F?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9. Detailed calculations showing: (1) Uncontrolled emissions; (2) Control equipment efficiency; (3) Controlled emissions in pounds per hour and other applicable units, e. g. ppm or grains per cubic foot, if necessary, etc.; and (4) Allowable emissions, in the same terms as above?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
10. A request to utilize the operational flexibility provisions and include the information required for such use? (if applicable)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11. A request for a permit shield? (Complete Form K)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12. A completed listing of insignificant emission units, if applicable? (Complete Form G)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13a. Modeling results for NAAQS, PSD Class II Increment and/or Air Toxics if this facility has not already demonstrated compliance with these Standards as applicable (S.C. Regulation 61-62.5, Standards 2, 7 and 8)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13b. If #13a is yes, does the plot plan required by item #3 show stack locations and dimensions (length, width, and height) of buildings/structure?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14. A completed compliance plan/schedule of compliance as requested in Form I?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15. A completed compliance plan/schedule of compliance addendum for each of the non-complying emission units for which issuance of a Part 70 permit is requested?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16. A completed compliance certification form? Complete Forms A and I.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
17. Acid rain portions of permit application and compliance plans, as required by regulations promulgated under Title IV of the Act (if applicable). (See EPA forms on EPA's web site http://www.epa.gov/airmarkets/forms/index.html#permits).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
COPIES OF APPLICATION	
18a. Does the application contain confidential information? If yes, all confidential information should be submitted under separate cover.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
18b. Have two copies of the application suitable for public inspection and one copy with confidential information properly marked (if applicable) been submitted, in accordance with applicable regulations?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
19. Has the application been submitted to any other government agency (not required)? If so, who?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
20. Does the application include an electronic copy of the application? (Mandatory)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
21. Is the facility submitting a draft Title V permit with this application (optional)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
22. For any non-permitted emission sources or activities a separate construction permit application should not be included in this application. Please submit construction permit applications under a separate cover.	
REGULATORY INFORMATION REQUESTED	
23. Does the application include a proposed determination of maximum achievable control technology (MACT) for hazardous air pollutants pursuant to sections 112(g) and 112(j) of the Clean Air Act Amendments of 1990? (if applicable)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
24. Does the application include sufficient information regarding accidental releases pursuant to section 112(r) of the Clean Air Act Amendments of 1990? (if applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
25. Does the application identify all applicable requirements including section 111 (NSPS) and/or Section 112 (NESHAP) of the Clean Air Act? (Form K)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
26. If applicable, is a Compliance Assurance Monitoring (CAM) Plan submitted with this Title V permit application (Form I and/or CAM Plan Supplemental Form)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
27. Does the application include an applicability determination for all sources subject to CAM (Form I)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
28. Is a Lowest Achievable Emission Rate (LAER)/ Best Available Control Technology (BACT) baseline and analysis included?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
28a. Is the facility subject to the NOx SIP call?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
WHY APPLICANT IS APPLYING FOR A TITLE V PERMIT? (CHECK ALL THAT APPLY)	
29a. The "potential to emit" of the facility is 100 tons/year or more for an individual regulated pollutant.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

**Title V Permit Application
 Application Checklist - Form B
 Bureau of Air Quality
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29b. The facility is an affected facility for acid rain deposition.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
29c. The "potential to emit" for any one hazardous air pollutant is 10 tons/year or more, or the total of all hazardous air pollutants is 25 tons/year or more, or the facility meets an other applicable lower threshold required by a MACT Standard.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
29d. Other reason –(e.g. co-location) Please list:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
CONDITIONAL MAJOR REQUEST OR REGULATORY AVOIDANCE	
30. Are all controlled emissions of the facility below the applicability levels for Part 70 permit?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
31. Does the application propose limitations that will constrain the operation of the facility such that potential emissions of the facility will fall below applicability levels for Part 70 permits or MACT applicability?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
32. Is the facility requesting a MACT avoidance limit?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
33. Is the facility requesting a PSD/NSR avoidance (facility-wide)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
34. Is the facility requesting a BACT/LAER, SC Regulation 61-62.5, Standard 5.1 avoidance?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

Title V Permit Application
Emission Unit & Equipment Information – Form C
Bureau of Air Quality
Page 1 of 5

Please Refer to Instruction / Definitions Pages Before Completing This Form

EMISSION UNIT DESCRIPTION (Table is a description of emission units located at this facility)		
1. Emission Unit ID (If the emission unit is on the Insignificant Activity List proceed to Forms G & F)	2. Emission Unit Description/Purpose	3. Control Device
14	Raw Materials Manufacturing: grinding, mixing and milling of ceramic powder	DC-A (baghouse); DC-B (baghouse); DC-C (baghouse)
15	Slip Manufacturing - mixing and milling of ceramic powders and solvents to form slip slurry	None
16	Metals Department - Production of conductive metal inks and termination pastes	None
17	CMAP Buildup: layer slip and metal paste to build up capacitor chips	AD1, AD-2, AD-3, TO-1
18	CMAP Support: Cutting of capacitors into predetermined shapes	MB2-BH
19	Metallization Department - application of paste or inks to connect internal electrodes	None
20	Thin Film Process: Manufacture of integrated passive devices and components	TFS
21	Miscellaneous support	None

EMISSION UNIT PROCESS DESCRIPTION (For each emission unit listed above, provide the following emission unit process description information)							
1. Emission Unit ID	4. Process Weight Rate (tons/hr)	5. Production Rate (units per time period)	6. Product	7. SIC/NAICS Code	8. Comments (Special permit limits, etc.)		
14	4.94	30,000,000 lb/yr	Ceramic and metal powders	3675/334414	None		
15	7.6	13,797,000 kg/yr	Ceramic slip and slurry	3675/334414	None		
16	1.26	10,106,120 kg/yr	Metal pastes, solvents, metal powders	3675/334414	None		
17	N/A	100,000,000 chips/day	Capacitor chips	3675/334414	None		
18	2.95	100,000,000 chips/day	Capacitor chips	3675/334414	None		
19	N/A	100,000,000 chips/day	Capacitor chips	3675/334414	None		
20	N/A	500 wafers/yr	Capacitor wafers	3675/334414	None		

Title V Permit Application
Emission Unit & Equipment Information – Form C
Bureau of Air Quality
Page 2 of 5

EMISSION UNIT PROCESS DESCRIPTION					
(For each emission unit listed above, provide the following emission unit process description information)					
1. Emission Unit ID	4. Process Weight Rate (tons/hr)	5. Production Rate (units per time period)	6. Product	7. SIC/NAICS Code	8. Comments (Special permit limits, etc.)
21	25.0	N/A	N/A	3675/334414	None

CONTROL DEVICE INFORMATION			
(Table is a description of control devices located at this facility)			
3. Control Device ID	9. Control Device Description (Manufacturer, Name, Model #, etc.)	10. Installation Date	11. Pollutant(s) Controlled
DC-A (Unit 14)	Baghouse (Farr Tenkay Dust Collector 60L)	1987	PM, PM10, PM2.5
DC-B (Unit 14)	Baghouse (Farr Tenkay Dust Collector 60L)	1987	PM, PM10, PM2.5
DC-C (Unit 14)	Baghouse (American Air Filter Pulse Pak II)	1985	PM, PM10, PM2.5
AD-1, AD-2 (Unit 17)	FluiSorb adsorber/desorber system (EC&C)	1998,2000	VOC
AD-3 (Unit 17)	FluiSorb adsorber/desorber system (EC&C)	2001	VOC
TO-1 (Unit 17)	Thermal oxidizer (EC&C)	1999	VOC
MB2-BH (Unit 18)	Baghouse (Spencer Vacuum Dust Collector)	1998	PM,PM10,PM2.5
TFS (Unit 20)	Two fluidized bed scrubbers	2002	VOC, OTAP, Lead, Acid Mist

CONTROL DEVICE INFORMATION (CONTINUED)							
3. Control Device ID	12. Capture System	13. Capture (%)	14. Removal/ Destruction (%)	15. Removal/ Destruction (Method Used to Determine)	16. Parameter Monitored	17. Exhaust ID	18. Comments (special permit limitations, Fuel info., different capture systems, etc.)
DC-A (Unit 14)	N/A	100	99.97	Vendor	Delta P	15A-1	None
DC-B (Unit 14)	N/A	100	99.97	Vendor	Delta P	15B-1	None
DC-C (Unit 14)	N/A	100	99.97	Vendor	Delta P	15C-1	None
AD-1, AD-2 (Unit 17)	Enclosure	98.5 est.	98.5 (system)	Source test	Differential pressure, mid-bed temperature	MB2-F1, MB2-F2	Provides concentrated exhaust stream to TO-1.

**Title V Permit Application
Emission Unit & Equipment Information – Form C
Bureau of Air Quality
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CONTROL DEVICE INFORMATION (CONTINUED)									
3. Control Device ID	12. Capture System	13. Capture (%)	14. Removal/ Destruction (%)	15. Removal/ Destruction (Method Used to Determine)	16. Parameter Monitored	17. Exhaust ID	18. Comments (special permit limitations, Fuel info., different capture systems, etc.)		
AD-3 (Unit 17)	Enclosure	98.5 est.	98.5 (system)	Source test	Differential pressure, mid-bed temperature	MB2-F1, MB2-F2	Provides concentrated exhaust stream to TO-1.		
TO-1 (Unit 17)	Enclosure	100	98.5 (system)	Source test	Differential pressure, mid-bed temperature	MB2-F1, MB2-F2	None		
MB2-BH (Unit 18)	N/A	100	99.5	Vendor	Delta P	NMFS-S1	None		
TFS (Unit 20)	N/A	90 est.	99 (acid mist and lead), 50 (soluble organic species)	Vendor	Pressure drop, pH	MB2-TFS	None		

EQUIPMENT DESCRIPTION									
(For each emission unit please provide a description of the all equipment located at this facility)									
1. Emission Unit ID	19. Equipment ID	20. Equipment Description	21. Installation Date (Manufacturer Date and Original and Modification Date)	22. Modification Description	3. Control Device ID	17. Exhaust ID	23. Design Capacity (units)		
14	RMPSC	3 Prep devices for adding dry material to slurry	1993-1997	None	DC-A, DC-B, DC-C	15A-1, 15B-1, 15C-1	4,000,000 lb/yr (total)		
14	RMPPG	4 Machines for grinding ceramic pills	1983-1989	None	DC-A, DC-B, DC-C	15A-1, 15B-1, 15C-1	2,800,000 lb/yr (total)		
14	RMMRPILL	8 Machines for making ceramic pills	1983-1989	None	DC-A, DC-B, DC-C	15A-1, 15B-1, 15C-1	2,400,000 lb/yr (total)		
15	SMILL	19 Machines to mill ceramic material	1997	None	N/A	Fug	9,709,000 kg/yr (total, combined with 04-B)		
15	SMIX	35 Machines to mix ceramic slurry	1980-1997	None	N/A	Fug	9,709,000 kg/yr (total, combined with 04-A)		

**Title V Permit Application
Emission Unit & Equipment Information – Form C
Bureau of Air Quality
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EQUIPMENT DESCRIPTION							
(For each emission unit please provide a description of the all equipment located at this facility)							
1. Emission Unit ID	19. Equipment ID	20. Equipment Description	21. Installation Date (Manufacturer Date and Original and Modification Date)	22. Modification Description	3. Control Device ID	17. Exhaust ID	23. Design Capacity (units)
16	MMILL	8 Machines to mill electrode inks and termination pastes	1980-1999	None	N/A	MD1C-1, MD2C-1, MD3C-1	2,080,500 kg/yr (total)
16	MMIX	27 Machines to mix electrode inks and termination pastes	1980-2000	None	N/A	MD3C-1	2,080,500 kg/yr (total)
17	CMAP	24 CMAP machines	1998-2001	None	AD-1, AD-2, AD-3, TO-1	MB2-F1, MB2-F2	100,000,000 chip/day
17	CMAPT	2 Temporary CMAP machines	1998-2001	None	N/A	5L-1	100,000,000 chip/day
18	DD	7 Dry dicing machines	2000	None	MB2-BH	NMFS-S1	100,000,000 chip/day
19	TTOOL	20 Machines that apply termination paste to capacitor chips	1981-2000	None	None	To be determined	100,000,000 chip/day
19	TOVEN	9 Termination ovens to cure termination paste	1993-2000	None	None	To be determined	100,000,000 chip/day
19	PBSBE	2 Ni/Sn/Pb SBE plating lines	2007-2008	None	None	To be determined	100,000,000 chip/day
20	TFP	Thin film process	2002	None	TFS	MB2-TFS	500 wafers/yr
21	ST	Groundwater air stripping tower	2009	None	None	ST-1	100 gpm
21	SS	4 Soldering stations	2010	None	None	To be determined	N/A
21	B201	13.4 MMBtu/hr natural gas-fired boiler	1999	None	None	MB2-B1	13.4 MMBtu/hr
EQUIPMENT DESCRIPTION (CONTINUED)							
19. Equipment ID	24. Primary Fuel Combusted (if Applicable)	25. Secondary Fuel Combusted (if Applicable)	26. Construction Permit ID or Exemption Date (if applicable)	27. Comments (list special permit limitations, fuel info, etc.)			
RMMPS (Unit 14)	N/A	N/A	N/A	None			
RMMPG (Unit 14)	N/A	N/A	1340-0002-CR	None			

**Title V Permit Application
Emission Unit & Equipment Information – Form C
Bureau of Air Quality
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EQUIPMENT DESCRIPTION (CONTINUED)				
19. Equipment ID	24. Primary Fuel Combusted (If Applicable)	25. Secondary Fuel Combusted (If Applicable)	26. Construction Permit ID or Exemption Date (if applicable)	27. Comments (list special permit limitations, fuel info, etc.)
RMMRPILL (Unit 14)	N/A	N/A	N/A	None
SMILL (Unit 15)	N/A	N/A	N/A	None
SMIX (Unit 15)	N/A	N/A	N/A	None
MMILL (Unit 16)	N/A	N/A	N/A	None
MMIX (Unit 16)	N/A	N/A	N/A	None
CMAP (Unit 17)	N/A	N/A	1340-0002-CS and CT	None
CMAPT (Unit 17)	N/A	N/A	N/A	None
DD (Unit 18)	N/A	N/A	1340-0002-CO, R1 & CU	None
TTOOL (Unit 19)	N/A	N/A	12/17/199	None
TOVEN (Unit 19)	N/A	N/A	12/17/199	None
PBSBE (Unit 19)	N/A	N/A	12/17/2007	None
TFP (Unit 20)	N/A	N/A	1340-0002-CV	None
ST	N/A	N/A	1340-0002-CJ	None
SS	N/A	N/A	N/A	None
B201	Natural gas	N/A	1340-0002-CQ	None



**Title V Permit Application
Emission Data for Regulated Pollutants – Form D
Bureau of Air Quality
Page 1 of 4**

Please Refer to Instruction / Definitions Pages Before Completing This Form

1. Emission Unit ID: (If the emission unit is on the Insignificant Activity List proceed to Forms G & F)	2. Exhaust Point ID (if applicable)	3. Pollutant:	4. CAS Number (if applicable):	5. Type of Pollutant:	6. Maximum Uncontrolled		7. Maximum Controlled	
					(lb/hr)	(TPY)	(lb/hr)	(TPY)
14	15A-1, 15B-1, 15C-1	PM/PM10	N/A	Criteria	0.11	0.50	1.49E-4	3.39E-05
15	SM1	VOC	N/A	Criteria	5.58	24.46	5.58	24.46
15	SM1	Methyl Isobutyl Ketone	108-10-1	Volatiles HAP, TAP	9.27E-4	4.06E-3	9.27E-4	4.06E-3
15	SM1	Methyl alcohol	67-56-1	Volatiles HAP, TAP	1.76E-03	7.70E-3	1.76E-03	7.70E-3
15	SM1	Bis(2-ethylhexyl) phthalate	117-81-7	Volatiles HAP, TAP	0.030	0.13	0.030	0.13
16	MD1C-1, MD2C-1, MD3C-1	VOC	N/A	Criteria	1.41	6.16	1.41	6.16
16	MD1C-1, MD2C-1, MD3C-1	PM/PM10	N/A	Criteria	0.27	1.17	0.27	1.17
16	MD1C-1, MD2C-1, MD3C-1	Xylene	1330-20-7	Volatiles HAP, TAP	0.01	0.05	0.01	0.05
16	MD1C-1, MD2C-1, MD3C-1	Bis(2-ethylhexyl) phthalate	117-81-7	Volatiles HAP, TAP	0.001	4.88E-03	0.001	4.88E-03
16	MD1C-1, MD2C-1, MD3C-1	Toluene	108-88-3	Volatiles HAP, TAP	1.32E-04	5.76E-04	1.32E-04	5.76E-04
16	MD1C-1, MD2C-1, MD3C-1	Ethyl benzene	100-41-4	Volatiles HAP, TAP	6.58E-05	2.88E-04	6.58E-05	2.88E-04
16	MD1C-1, MD2C-1, MD3C-1	Methyl alcohol	67-56-1	Volatiles HAP, TAP	3.24E-04	1.42E-03	3.24E-04	1.42E-03
16	MD1C-1, MD2C-1, MD3C-1	Methyl Isobutyl Ketone	108-10-1	Volatiles HAP, TAP	1.71E-4	7.49E-04	1.71E-4	7.49E-04
17	5L-1	VOC	N/A	Criteria	0.26	0.11	0.26	0.11



**Title V Permit Application
Emission Data for Regulated Pollutants – Form D
Bureau of Air Quality
Page 2 of 4**

1. Emission Unit ID: (If the emission unit is on the Insignificant Activity List proceed to Forms G & F)	2. Exhaust Point ID (if applicable)	3. Pollutant:	4. CAS Number (if applicable):	5. Type of Pollutant:	6. Maximum Uncontrolled		7. Maximum Controlled	
					(lb/hr)	(TPY)	(lb/hr)	(TPY)
17	MB2-F1	VOC	N/A	Criteria	29.15	128.72	3.82	17.85
17	MB2-F1	PM/PM10	N/A	Criteria	0.01	0.03	0.01	0.03
17	MB2-F1	SO2	N/A	Criteria	0.001	0.003	0.001	0.003
17	MB2-F1	NOx	N/A	Criteria	0.10	0.44	0.10	0.44
17	MB2-F1	CO	N/A	Criteria	0.08	0.37	0.08	0.37
17	Fug.	Methyl Isobutyl Ketone	108-10-1	Volatile HAP, TAP	0.03	0.12	0.03	0.12
17	Fug.	Methyl Alcohol	67-17-5	Volatile HAP, TAP	0.06	0.24	0.06	0.24
17	Fug.	Toluene	108-88-3	Volatile HAP, TAP	6.85E-03	0.03	6.85E-03	0.03
17	Fug.	Ethylbenzene	100-41-4	Volatile HAP, TAP	6.85E-03	0.03	6.85E-03	0.03
17	Fug.	Bis(2-ethylhexyl) phthalate	117-81-7	Volatile HAP, TAP	6.85E-03	0.03	6.85E-03	0.03
17	Fug.	Xylene	1330-20-7	Volatile HAP, TAP	6.85E-03	0.03	6.85E-03	0.03
18	MB2-BH	PM/PM10	N/A	Criteria	3.48	15.26	0.05	0.23
18	MB2-BH	VOC	N/A	Criteria	0.27	1.19	0.27	1.19
19	NMF-PA/TP	VOC	N/A	Criteria	1.18	5.17	1.18	5.17
19	NMF-PA/TP	Methyl Isobutyl Ketone	108-10-1	Volatile HAP, TAP	0.01	0.04	0.01	0.04
19	NMF-PA/TP	Methyl Alcohol	67-56-1	Volatile HAP, TAP	0.017	0.07	0.017	0.07
19	7C-2A&7C-2B	PM/PM10	N/A	Criteria	5.55E-04	2.43E-03	5.55E-04	2.43E-03
19	7C-2A&7C-2B	Nickel	N/A	HAP, TAP	4.45E-04	1.95E-03	4.45E-04	1.95E-03
19	7C-2A&7C-2B	Lead	N/A	Criteria	1.23E-05	5.42E-05	1.23E-05	5.42E-05
20	MB2-TFS	VOC	N/A	Criteria	0.47	2.07	0.24	1.05
20	MB2-TFS	PM/PM10	N/A	Criteria	0.75	3.26	0.03	0.01



**Title V Permit Application
Emission Data for Regulated Pollutants – Form D
Bureau of Air Quality
Page 3 of 4**

1. Emission Unit ID: (If the emission unit is on the Insignificant Activity List proceed to Forms G & F)	2. Exhaust Point ID (if applicable)	3. Pollutant:	4. CAS Number (if applicable):	5. Type of Pollutant:	6. Maximum Uncontrolled		7. Maximum Controlled	
					(lb/hr)	(TPY)	(lb/hr)	(TPY)
20	MB2-TFS	Lead compounds	N/A	Particulate HAP	0.01	0.03	6.67E-05	2.92E-04
20	MB2-TFS	Hydrochloric Acid	7647-01-0	HAP, TAP	0.09	0.40	9.18E-04	4.02E-03
20	MB2-TFS	Sulfuric Acid	7664-93-9	TAP	0.07	0.32	7.21E-04	3.16E-03
20	MB2-TFS	Nitric Acid	7697-37-2	TAP	0.39	1.70	3.88E-03	1.70E-02
20	MB2-TFS	Phosphoric Acid	7664-38-2	TAP	0.16	0.70	1.59E-03	6.98E-03
20	MB2-TFS	2-ethanolamine	141-43-5	TAP	0.10	0.45	5.19E-02	2.27E-01
20	MB2-TFS	Hydrofluoric acid	7664-39-3	HAP, TAP	0.02	0.08	1.75E-04	7.67E-04
21	N/A	VOC	N/A	Criteria	0.05	0.22	0.05	0.22
21	N/A	NOx	N/A	Criteria	1.61	7.04	1.61	7.04
21	N/A	CO	N/A	Criteria	1.35	5.92	1.35	5.92
21	N/A	SO2	N/A	Criteria	0.01	0.04	0.01	0.04
21	N/A	PM	N/A	Criteria	0.12	0.54	0.12	0.54
21	TOWER	1,1-Dichloroethane	75-34-3	Volatile HAP, TAP	0.11	0.48	0.11	0.48
21	MB2-B1	Benzene	71-43-2	Volatile HAP, TAP	3.38E-05	1.48E-04	3.38E-05	1.48E-04
21	NMF-S	Chromium	N/A	PM, HAP	1.71E-06	7.48E-6	1.71E-06	7.48E-6
21	MB2-B1	Formaldehyde	50-00-0	Volatile HAP, TAP	1.50E-03	5.28E-03	1.50E-03	5.28E-03
21	MB2-B1	Hexane	110-54-3	Volatile HAP, TAP	0.036	0.13	0.036	0.13
21	MB2-B2, TBD	Lead	N/A	PM, HAP	2.83E-05	1.24E-04	2.83E-05	1.24E-04
21	NMF-S	Manganese	N/A	PM, HAP	1.11E-07	4.86E-04	1.11E-07	4.86E-04
21	MB2-B1	Polycyclic Organic Matter	N/A	Volatile HAP, TAP	1.76E-06	6.21E-06	1.76E-06	6.21E-06



**Title V Permit Application
Emission Data for Regulated Pollutants – Form D
Bureau of Air Quality
Page 4 of 4**

1. Emission Unit ID: (If the emission unit is on the Insignificant Activity List proceed to Forms G & F)	2. Exhaust Point ID (if applicable)	3. Pollutant:	4. CAS Number (if applicable):	5. Type of Pollutant:		6. Maximum Uncontrolled		7. Maximum Controlled	
				(lb/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr)	(TPY)
21	MB2-B1	Naphthalene	91-20-3	Volatile HAP, TAP	1.22-05	1.48E-05	1.22E-05	1.48E-05	1.48E-05
21	MB2-B1	Toluene	108-88-3	Volatile HAP, TAP	6.8E-05	2.93E-04	6.8E-05	2.93E-04	2.93E-04
21	TOWER	Trichloroethylene	79-01-6	Volatile HAP, TAP	0.30	1.32	0.30	1.32	1.32
21	TOWER	Vinyl chloride	75-01-4	Volatile HAP, TAP	0.09	0.39	0.09	0.39	0.39

1. Emission Unit ID:	2. Exhaust Point ID (if applicable)	3. Pollutant:	8. Estimation Method:	9. Comments:
14	15A-1, 15B-1, 15C-1	All	Engineering calculations through mass balance and EPA factors	PM emissions from vat loading are accounted for in grinders, mills and mixers
15	SM1	All	Engineering calculations through mass balance	None
16	MD1C-1, MD2C-1, MD3C-1	All	Engineering calculations through mass balance and engineering knowledge	None
17	MB2-F1 and Fug.	All	Engineering calculations through mass balance	
18	MB2-BH	All	Engineering calculations through engineering estimates and mass balances	None
19	NMF-PA / TP	All	Engineering calculations through mass balance and process knowledge. AP-42, Section 12.20	None
20	MB2-TFS	All	Engineering calculations through mass balance	PM/PM10 assumed to equal acid mist and lead compounds
21	MB2-B1, TBD	All	Engineering calculations (modeling) and EPA Factors	None



Title V Permit Application
Facility Wide Information – Form E
Bureau of Air Quality
Page 1 of 1

Please Refer to Instruction / Definitions Pages Before Completing This Form

FACILITY WIDE RAW MATERIALS AND PRODUCTS				
1. Raw Materials	2. Quantity	3. Products (List Products in order of major to minor)	4. SIC/NAICS Code	5. Production Rate
Terpineol	8745 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Mineral Spirits	18,370 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Denatured Ethyl Alcohol	7370 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Glycol Ethers-PCPM	85310 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Bio-Act 113	2200 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Butyl Cellosolve	2860 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Acetone	1375 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Isopropyl Alcohol	945 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Axarel	1800 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Xylene	5525 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Iso Spirits	20,570 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Southpar K	55 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
DiOctylPhthalate	275 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
PGME	385 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Dipentene	220 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Mineral Spirits Type 66	385 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Diethylene Glycol Dibutyl Ether	440 gal/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Barium Compounds	1.930260 Lbs/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Nickel Compounds	133990 Lbs/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Silver Compounds	44450 Lbs/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year
Copper Compounds	43350 Lbs/yr	Capacitor Chips	3675/334414	8.76 Billion Chips/year



**Title V Permit Application
 Facility Wide Total Emissions – Form F
 Bureau of Air Quality
 Page 1 of 1**

**Please Refer to Instruction / Definitions Pages Before Completing This Form
 (Include Insignificant Activity Emissions in Facility Wide Totals)**

FACILITY WIDE TOTAL EMISSIONS			
1. Pollutant	2. CAS No. (If Applicable)	3. Uncontrolled Emissions (TPY)	4. Controlled Emissions (TPY)
PM/PM10	N/A	18.68	2.42
SO2	N/A	0.44	0.44
NOx	N/A	13.53	13.53
CO	N/A	7.59	7.59
VOC	N/A	171.91	59.91
Bis(2-ethylhexyl) phthalate (HAP, TAP)	117-81-7	0.17	0.17
Ethylidene dichloride (HAP, TAP)	75-34-3	0.48	0.48
Hydrochloric acid (HAP, TAP)	7647-01-0	0.40	0.004
Methyl alcohol (HAP, TAP)	67-56-1	0.32	0.32
Methyl isobutyl ketone (HAP, TAP)	108-10-1	0.16	0.16
Nickel compounds (HAP, TAP)	N/A	1.95E-03	1.95E-03
Lead compounds (HAP)	N/A	4.39E-04	4.39E-04
Vinyl chloride (HAP, TAP)	75-01-4	0.40	0.40
Xylene (HAP, TAP)	1330-20-7	0.08	0.08
Ethyl benzene (HAP, TAP)	100-41-4	0.03	0.03
Toluene (HAP, TAP)	108-88-3	0.03	0.03
Sulfuric acid (TAP)	7664-93-9	0.32	3.16E-03
Nitric acid (TAP)	7697-37-2	1.70	1.70E-02
Phosphoric acid (TAP)	7664-38-2	0.70	6.98E-03
2-ethanolamine (TAP)	141-43-5	0.45	0.28
Polycyclic Organic Matter (HAP, TAP)	POM	6.21E-06	6.21E-06
Trichloroethylene (HAP, TAP)	79-01-6	1.32	1.32
Hydrofluoric acid (HAP, TAP)	7664-39-3	0.08	7.67E-04
Ethylene dichloride (HAP, TAP)	107-06-2	0.48	0.48
Benzene (HAP, TAP)	71-43-2	1.48E-04	1.48E-04
Naphthalene (HAP, TAP)	91-20-3	4.30E-05	4.30E-05
Total HAP	N/A	3.95	3.48



**Title V Permit Application
Insignificant Activity Equipment- Form G
Bureau of Air Quality
Page 1 of 3**

Please Refer to Instruction / Definitions Pages Before Completing This Form

1. Insignificant Activity (IA) Unit ID:	2. Insignificant Activity Unit ID Description	3. Construction Permit ID or Approval Date (if applicable):	4. On SC Insignificant Activity List (Yes or No)	5. Pollutant(s)	6. Emission Rate (Uncontrolled)	7. Deminimis Rate
RMMDO	11 drying ovens to remove moisture and detergent/dispersant (Unit 14)		No	PM/PM10/PM2.5	Less than 5 tpy	< 5 tpy criteria pollutants
RMMTS	2 tape shredders (Unit 14)		No	PM/PM10/PM2.5	Less than 5 tpy	< 5 tpy criteria pollutants
RMMOV	9 Ovens for moisture removal in test & dev. (Unit 14)		Yes	N/A	N/A	Sec. A, 13
RMMRTF	3 rapid temperature furnaces in T&D		No	N/A	N/A	Sec. A, 13
RMMTDP	Testing & dev. Priller (Unit 14)		Yes	N/A	N/A	Sec. A, 13
RMMKILN	4 Small rotary kilns (Unit 14)		No	PM/PM10/PM2.5	Less than 5 tpy	< 5 tpy criteria pollutants
RMMSEX	3 Mixers in test & dev. (Unit 14)		No	N/A	N/A	Sec. A, 13
RMMVK	16 Vertical calcining kilns		No	PM/PM10/PM2.5	Less than 5 tpy	< 5 tpy criteria pollutants
RMMTG	Transguard process (Unit 14)	2007	No	PM/PM10/PM2.5	Less than 5 tpy	< 5 tpy criteria pollutants
BOACT	Bioact cleaning system (Unit 15)		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants
SFH	Fume Hood (laboratory hoods) (Unit15)		Yes	N/A	N/A	Sec. A, 13
SO	QC lab oven (Unit 15)		Yes	N/A	N/A	Sec. A, 13
MFP	2 Filter Presses (Unit 16)		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants
MPS	Pot storage room exhaust (Unit 16)		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants
MFH	2 Fume Hoods (laboratory hoods) (Unit 16)		Yes	N/A	N/A	Sec. A, 13
MSW	2 Solvent wash sinks (Unit 16)		No	VOC	Accounted for in process	< 5 tpy criteria pollutants
MO	Lab oven (Unit 16)		Yes	N/A	N/A	Sec. A, 13
CSR	Screen Room (Unit 17)		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants
CSWS	3 Solvent wash stations (Unit17)		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants



**Title V Permit Application
Insignificant Activity Equipment- Form G
Bureau of Air Quality
Page 2 of 3**

1. Insignificant Activity (IA) Unit ID:	2. Insignificant Activity Unit ID Description	3. Construction Permit ID or Approval Date (if applicable):	4. On SC Insignificant Activity List (Yes or No)	5. Pollutant(s)	6. Emission Rate (Uncontrolled)	7. Demimis Rate
BO	33 Ovens for chip binder burnout		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants
CSO	16 Low temperature ovens for moisture removal (Unit 18)		No	PM/VOC	Less than 5 tpy	< 5 tpy criteria pollutants
CSTR	1 Thermal release oven for paper removal (Unit 18)		No	PM/VOC	Less than 5 tpy	< 5 tpy criteria pollutants
CSPA	2 Paper applicator machines (Unit 18)		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants
CSCD	2 Low temperature chip dryers (Unit 18)		No	PM/VOC	Less than 5 tpy	< 5 tpy criteria pollutants
CSCS	Blade cleaning station (Unit 18)		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants
FK	Firing Kilns (Unit 18)		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants
TL	5 Labeling lasers (Unit 19)		No	PM/VOC	Less than 5 tpy	< 5 tpy criteria pollutants
TSW	1 Solvent wash station (Unit 19)		No	VOC	Less than 5 tpy	< 5 tpy criteria pollutants
SBE	3 Non-lead SBE plating lines (Unit 19)	October 2007	No	PM/VOC	Less than 5 lpy	< 5 tpy criteria pollutants
BCB	BCB coating process (Unit 19)	September 2007	No	PM/VOC	Less than 5 lpy	< 5 tpy criteria pollutants
FCT	Fine Copper Termination (Unit 19)		No	PM/VOC	Less than 5 lpy	< 5 tpy criteria pollutants
GPL	1 Manual gold plating line (Unit 19)		No	PM	Less than 5 lpy	< 5 tpy criteria pollutants
PDD	11 Plating dryers for moisture removal (Unit 19)		No	PM/VOC	Less than 5 lpy	< 5 tpy criteria pollutants
PDO	1 Plate drying oven for moisture removal (Unit 19)		No	PM	Less than 5 lpy	< 5 tpy criteria pollutants
CO	1 Copper coupon oven (Unit 19)		No	PM/VOC	Less than 5 lpy	< 5 tpy criteria pollutants
DFP	87 BHp Diesel Fire Pump (Unit 21)		Yes	N/A	N/A	Sec. B, 4
E1	100 kW emergency generator		Yes	N/A	N/A	Sec. B, 2a
E5	260 kW emergency generator		Yes	N/A	N/A	Sec. B, 2b



**Title V Permit Application
Insignificant Activity Equipment- Form G
Bureau of Air Quality
Page 3 of 3**

1. Insignificant Activity (IA) Unit ID:	2. Insignificant Activity Unit ID Description	3. Construction Permit ID or Approval Date (if applicable):	4. On SC Insignificant Activity List (Yes or No)	5. Pollutant(s)	6. Emission Rate (Uncontrolled)	7. Demimis Rate
E6	600 kW emergency generator		Yes	N/A	N/A	Sec. B, 2b
E7	565 kW emergency generator		Yes	N/A	N/A	Sec. B, 2b
B1	0.392 MMBtu/hr Plating Bath Boiler (Unit 21)		Yes	N/A	NA	Sec. B, 1.b
B2	0.392 MMBtu/hr Plating Bath Boiler (Unit 21)		Yes	N/A	NA	Sec. B, 1.b
B3	0.779 MMBtu/hr Plating Bath Boiler (Unit 21)		Yes	N/A	NA	Sec. B, 1.b
CT1	Cooling tower 1		Yes	N/A	NA	Sec. A, 20
CTA	Cooling tower 2A		Yes	N/A	NA	Sec. A, 20
CTC	Cooling tower 2C		Yes	N/A	NA	Sec. A, 20
DPA	Lot quality DPA hood		Yes	N/A	N/A	Sec. A, 13
LQO	Lot quality drying ovens		Yes	N/A	N/A	Sec. A, 13

Please Refer to Instruction / Definitions Pages Before Completing This Form

STACK/VENT INFORMATION									
1. Exhaust Point ID	2. Emission/ Equipment ID	3. Pollutant	4. CAS No. (if applicable)	5. Date last modeled (if Applicable)	6. Modeled Emission Rates (lb/hr) (if applicable)	7. Stack Gas Exit Temp (degrees F)	8. Stack Gas Exhaust Velocity (ft/sec)	9. Non-Vertical Discharge (H) or Raincap (R)	
15A-1	14 – RMM	PM/PM10/PM2.5	N/A	July 2007	9.4E-05	70	14.4	V	
15B-1	14 – RMM	PM/PM10/PM2.5	N/A	July 2007	9.4E-05	70	49.5	V	
15C-1	14 – RMM	PM/PM10/PM2.5	N/A	July 2007	9.4E-05	70	47.7	V	
MD1C-1	16 – MMILL MMIX	Xylene, Bis(2-ethylhexyl)phthalate, Toluene, Ethyl Benzene	1330-20-7, 117-81-7, 108-88-3, 100-41-4	July 2007	7.0E-3, 3.7E-3, 6.1E-6, 3.0E-6	70	57	V	
MD2C-1	16 – MMILL	Xylene, Bis(2-ethylhexyl)phthalate, Toluene, Ethyl Benzene	1330-20-7, 117-81-7, 108-88-3, 100-41-4	July 2007	7.0E-3, 3.7E-3, 6.1E-6, 3.0E-6	70	4.1	H	
MD3C-1	16 – MMILL	Xylene, Bis(2-ethylhexyl)phthalate, Toluene, Ethyl Benzene	1330-20-7, 117-81-7, 108-88-3, 100-41-4	July 2007	7.0E-3, 3.7E-3, 6.1E-6, 3.0E-6	70	26.5	V	
NMFS-S1	18 - DD	PM/PM10/PM2.5	N/A	July 2007	0.062	70	0.03	R	
7C-2A	19 - AUTO	PM/PM10/PM2.5, Nickel, Lead	N/A	July 2007	0.012,9.9E-3, 5.3E-4	70	1.04	V	
7C-2B	19 - AUTO	PM/PM10/PM2.5, Nickel, Lead	N/A	July 2007	0.012,9.9E-3, 5.3E-4	70	1.04	V	
MB2-TFS	20 - TFP	PM/PM10/PM2.5, Lead	N/A	July 2007	0.03,6.7E-5	70	54	V	
MB2-TFS	20 - TFP	Sulfuric acid, Nitric acid, 2-ethanolamine, Hydrochloric acid, Phosphoric acid	7664-93-9, 7697-37-2, 141-43-5, 7647-01-0, 7664-38-2	July 2007	7.2E-4, 3.9E-3, 5.2E-2, 9.2E-4, 1.6E-3	70	54	V	
SOLDER ^A	21 - SOLDER	PM/PM10/PM2.5, Lead, Chrome, Manganese	N/A	N/A	2.4E-3, 2.2E-5, 1.1E-6, 1.1E-4	70	0.03	R	
MB2-B1	21 - Boiler	PM/PM10, SO2, NOx, CO, Lead	N/A	April 2006	0.1, 739E-3, 1.3, 1.1, 6.7E-6	600	15.29	V	
MB2-B1	21 - Boiler	Benzene, Formaldehyde, Hexane, Naphthalene, Toluene	71-43-2, 50-00-0, 110-54-3, 91-20-3, 108-88-3	April 2006	2.8E-5, 9.7E-4, 2.4E-2, 8E-6, 4.5E-5	600	15.29	V	
TOWER	21 – ST	111-Trichloroethane, 11-Dichloroethane, 11-Dichloroethylene, 124-Trichlorobenzene	71-55-6, 75-34-3, 75-35-4, 120-82-1	N/A	0.016, 0.016, 0.016, 0.013	70	0.03	R	
TOWER	21 – ST	12-Dichloroethane, 2-Butanone, Benzene, Carbon disulfide	107-06-2, 78-93-3, 71-43-2, 75-15-0	N/A	0.014, 0.023, 0.016, 0.016	70	0.03	R	
TOWER	21 – ST	Chlorobenzene, Chloroethane, Chloroform, Ethylbenzene	108-90-7, 75-00-3, 67-66-3, 100-41-4	N/A	0.016, 0.016, 0.016, 0.016	70	0.03	R	



**Title V Permit Application
Stack/Vent Information – Form H
Bureau of Air Quality
Page 2 of 2**

STACK/VENT INFORMATION								
1. Exhaust Point ID	2. Emission/ Equipment ID	3. Pollutant	4. CAS No. (if applicable)	5. Date last modeled (if Applicable)	6. Modeled Emission Rates (lb/hr) (if applicable)	7. Stack Gas Exit Temp (degrees F)	8. Stack Gas Exhaust Velocity (ft/sec)	9. Non-Vertical Discharge (H) or Raincap (R)
TOWER	21 – ST	Methylene chloride, Naphthalene, Xylene, Styrene, Tetrachloroethylene,	75-09-2,91-20-3,1330-20-7,100-42-5,127-18-4	N/A	0.08,0.01,4E-3,0.016,0.016	70	0.03	R
TOWER	21 – ST	Toluene, Trichloroethylene, Vinyl chloride	108-88-3,79-01-6,75-01-4	N/A	0.016,0.3,0.09	70	0.03	R

STACK/VENT INFORMATION (CONTINUED)									
1. Exhaust Point ID	10. Vertical component of Stack Exhaust Velocity (ft/sec)	11. UTM East	12. UTM North	13. Distance to Plant Boundary (ft)	14. Dimensions of Plume Obstructing Structure (ft)			15. Stack Height (ft)	16. Stack Diameter (ft)
					Height	Length	Width		
15A-1	14.4	693764	3728334	133	45	228	182	33	1.33
15B-1	49.5	693770	3728334	118	45	228	182	35	2.5
15C-1	47.7	693758	3728335	98	45	228	182	35	2.5
MD1C-1	57	693700	3728106	65	36	600	480	37	1.67 x 1.67
MD2C-1	4.1	693716	3728101	145	36	600	480	22	0.667
MD3C-1	26.5	693720	3728101	155	36	600	480	25	1.0
NMFS-S1	19.4	693330	3727951	450	24	560	257	6	0.08
7C-2A	1.04	693773	3728208	179	29	128	68	32	3.45
7C-2B	1.04	693773	3728206	179	29	128	68	32	3.45
MB2-TFS	54.0	693300	3727880	427	24	560	257	35	2.5
SOLDER	N/A	693305	3727844	427	24	560	257	15	0.25
MB2-B1	15.29	693322	3727939	432	24	560	257	35.5	0.833
TOWER	5.23	693890	3728065	66	23.5	141	108	20	2.25

Please Refer to Instruction / Definitions Pages Before Completing This Form

EMISSION LIMITS AND STANDARDS (This section summarizes the emission unit emission limits and standards)					
1. Emission Unit	2. Unit ID	3. Pollutant/Standard	4. Limit	5. Reference Method	6. Applicable Regulation (Regulation Citation/Condition)
Facility-wide	14 - 21	Opacity	20%	9 (upon request)	SC Regulation 61-62.5, Standard 4, Section IX
Metallization, TFP	19, 20	Acid Mist Emissions	0.25 lb/hr	N/A	SC Regulation 61-62.5, Standard 4, Section VIII
Facility-wide	14 - 21	Aggregate VOC emissions	249.9 tpy (total); None	N/A	SC Regulation 61-62.70
CMAP Buildup (TO-1)	17	PM	0.5 lb/MMBtu	N/A	SC Regulation 61-62.5, Standard 3, Section I
Boiler	21	PM	0.6 lb/MMBtu	N/A	SC Regulation, 61-62.5, Standard 1, Section II
Boiler	21	SO2	3.5 lb/MMBtu	N/A	SC Regulation 61-62.5, Standard I, Section III
Boiler	21	Natural gas usage	None	N/A	TV-1340-0002, Table 6.1; 40 CFR Part 60, Subpart Dc [60.48c(g)(2)]
Raw Materials Manufacturing	14	Dust Collectors A through C pressure drop	1.0" – 5.0" H ₂ O	N/A	SC Regulation 61-62.5, Standard 2
Facility-wide	14 - 21	Visible emissions (from processes without control devices)	N/A	N/A	SC Regulation 61-62.5, Standard 4, Section IX
CMAP	17	Adsorption units (AD-2, AD-3 & AD-4) pressure drop	2.0" – 5.0" H ₂ O	N/A	SC Regulation 61-62.5, 63.53
CMAP	17	Desorption units (AD-2, AD-3 & AD-4) temperature	350 deg F – 500 deg F	N/A	SC Regulation 61-62.5, 63.53
CMAP	17	Thermal oxidizer (TO-1) temperature	1400 deg F – 1800 deg F	N/A	SC Regulation 61-62.5, 63.53
Thin Film Process	20	Scrubber pH	As specified	N/A	SC Regulation 61-62.5, Standard 8, Section III
Thin Film Process	20	Scrubber pressure drop	As specified	N/A	SC Regulation 61-62.5, Standard 8, Section III
Termination	19	PM	25.04 lb/hr	N/A	SC Regulation 61-62.5, Standard 4, Section VIII
Miscellaneous Support	21	PM	37.8 lb/hr	N/A	SC Regulation 61-62.5, Standard 4, Section VIII
Misc. Support E6 and E7	21	HAP	23 PPMvd CO or 70% reduction	N/A	SC Regulation 61-62.5 62.63 by reference, 40 CFR Part 63, Subpart ZZZZ



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COMPLIANCE AND PERMIT REQUIREMENTS (This section summarizes the emission unit compliance requirements)					
2. Unit ID	6. Applicable Regulation (Regulation Citation/Condition)	7. In Compliance (Y/N)	8. Compliance Statement*	9. Compliance Date	10. First Submittal
14-21	SC Regulation 61-62.5, Standard 4, Section IX	Y		Already complying	N/A
19, 20	SC Regulation 61-62.5, Standard 4, Section VIII	Y		Already complying	N/A
14 - 21	SC Regulation 61-62.70	Y		Already complying	N/A
17	SC Regulation 61-62.5, Standard 3, Section I	Y		Already complying	N/A
21	SC Regulation, 61-62.5, Standard 1, Section II	Y		Already complying	N/A
21	SC Regulation 61-62.5, Standard I, Section III	Y		Already complying	N/A
14	TV-1340-0002, Table 6.1	Y		Already complying	N/A
14 - 21	TV-1340-0002, Table 6.1	Y		Already complying	N/A
17	TV-1340-0002, Table 6.1	Y		Already complying	N/A
17	TV-1340-0002, Table 6.1	Y		Already complying	N/A
17	TV-1340-0002, Table 6.1	Y		Already complying	N/A
21	TV-1340-0002, Table 6.1; 40 CFR Part 60, Subpart Dc [60.48c(g)(2)]	Y		Already complying	N/A
20	TV-1340-0002, Table 6.1	Y		Already complying	N/A
20	TV-1340-0002, Table 6.1	Y		Already complying	N/A
19	SC Regulation 61-62.5, Standard 4, Section VIII	Y		Already complying	N/A
21	SC Regulation 61-62.5 62.63 by reference, 40 CFR Part 63, Subpart ZZZZ	N		May 3, 2013	December 31, 2013

*By initialing here, the Responsible Official certifies that this emission unit is in compliance with current applicable requirements and that during the permit term the source will continue to comply with such requirements. Further, for applicable requirements that will become effective during the permit term, that the source will meet such requirements on a timely basis, unless a more detailed schedule is expressly required by the applicable requirement.

MONITORING/APPLICABLE REGULATION AND PERMIT/RULE REQUIREMENTS-PART I (This section summarizes the monitoring and reporting requirements. Parts I, II, III, and IV must be completed for each emission unit).					
2. Unit ID	11. Pollutant/Parameter	4. Limit	12. Required Monitoring	13. Monitoring Frequency	14. Reporting Frequency
14 -21	Opacity	20%	Visual inspection	Upon request	Upon occurrence of test
19, 20	Acid Mist Emissions	0.25 lb/hr	Calculation of acid mist emissions	Upon request	Upon occurrence of test

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MONITORING/APPLICABLE REGULATION AND PERMIT/RULE REQUIREMENTS-PART I (This section summarizes the monitoring and reporting requirements. Parts I, II, III, and IV must be completed for each emission unit).					
2. Unit ID	11. Pollutant/Parameter	4. Limit	12. Required Monitoring	13. Monitoring Frequency	14. Reporting Frequency
14 - 21	Aggregate VOC emissions	249.9 tpy (total)	Calculation of VOC emissions	Monthly	Semiannual
17	PM	0.5 lb/MMBtu	Calculation of PM emissions	One-time	None required
17	VOC (for temporary CMAP machines)	864 hr/yr	Track hours	Monthly	None required
21	PM	0.6 lb/MMBtu	Calculation of PM emissions	One-time	None required
21	SO2	3.5 lb/MMBtu	Calculation of SO2 emissions	One-time	None required
14	Dust Collectors A through C pressure drop	1.0" – 5.0" H ₂ O	Gauge, recordkeeping	Daily, when operating	None required
14 - 21	Visible emissions (from processes without control devices)	N/A	Visual inspection	Daily	None required
17	Adsorption units (AD-2, AD-3 & AD-4) pressure drop	2.0" – 5.0" H ₂ O	Gauge, recordkeeping	Daily, when operating	None required
17	Desorption units (AD-2, AD-3 & AD-4) temperature	350 deg F – 500 deg F	Thermocouple, recordkeeping	Daily, when operating	None required
17	Thermal oxidizer (TO-1) temperature	1400 deg F – 1800 deg F	Thermocouple, recordkeeping	Daily, when operating	None required
21	Natural gas usage	None	Fuel meter, recordkeeping	Monthly	None required
20	Scrubber pH	As specified	Probe, recordkeeping	Daily, when operating	None required
20	Scrubber pressure drop	As specified	Gauge, recordkeeping	Daily, when operating	None required
19	PM	25.04 lb/hr	Calculation of PM emissions	One-time	None required
21	PM	37.8 lb/hr	Calculation of PM emissions	One-time	None required



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MONITORING/APPLICABLE REGULATION AND PERMIT/RULE REQUIREMENTS-PART II (This section summarizes the monitoring and reporting requirements)						
2. Unit ID	3. or 11. Pollutant/Standard or Pollutant/Parameter	4. Limit	15. Recordkeeping Frequency	16. Averaging Time	Y/N	17. Stack Test Frequency
14 - 21	Opacity	20%	Upon occurrence of test	6 minutes	N	N/A
19, 20	Acid Mist Emissions	0.25 lb/hr	Upon occurrence of test	1 hour	Y	Upon request
17,18,20	Aggregate VOC emissions	39.5 tpy (total)	Monthly	N/A	N	N/A
17	PM	0.5 lb/MMBtu	One-time	N/A	N	N/A
17	Hours of Operation (2 temporary units)	864 hr/yr	Monthly	N/A	N	N/A
21	PM	0.6 lb/MMBtu	One-time	N/A	N	N/A
21	SO2	3.5 lb/MMBtu	One-time	N/A	N	N/A
06	Dust Collectors A through C pressure drop	1.0" – 5.0" H ₂ O	Daily, when operating	N/A	N	N/A
14 - 21	Visible emissions (from processes without control devices)	N/A	Daily	N/A	N	N/A
17	Adsorption units (AD-2, AD-3 & AD-4) pressure drop	2.0" – 5.0" H ₂ O	Daily, when operating	N/A	N	N/A
17	Desorption units (AD-2, AD-3 & AD-4) temperature	350 deg F – 500 deg F	Daily, when operating	N/A	N	N/A
17	Thermal oxidizer (TO-1) temperature	1400 deg F – 1800 deg F	Daily, when operating	N/A	N	N/A
21	Natural gas usage	None	Monthly	N/A	N	N/A
20	Scrubber pH	As specified	Daily, when operating	N/A	N	N/A
20	Scrubber pressure drop	As specified	Daily, when operating	N/A	N	N/A
19	PM	25.04 lb/hr	One-time	N/A	N	N/A
21	PM	37.8 lb/hr	One-time	N/A	N	N/A

MONITORING/APPLICABLE REGULATION AND PERMIT/RULE REQUIREMENTS-PART III (This section summarizes the monitoring and reporting requirements not described in Parts I & II. Also summarizes applicable regulations that no Monitoring and Reporting is needed.)				
2. Unit ID	11. Pollutant/Parameter	4. Limit	18. If no monitoring required, why?	19. List any monitoring requirements not listed above
14 - 21	Opacity	20%	Required only upon request of DHEC	N/A
19, 20	Acid Mist Emissions	0.25 lb/hr	Required only upon request of DHEC	N/A
17, 18, 20	Aggregate VOC emissions	39.5 tpy (total)	Monthly calculations	N/A



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MONITORING/APPLICABLE REGULATION AND PERMIT/RULE REQUIREMENTS-PART III				
(This section summarizes the monitoring and reporting requirements not described in Parts I & II. Also summarizes applicable regulations that no Monitoring and Reporting is needed.)				
2. Unit ID	11. Pollutant/Parameter	4. Limit	18. If no monitoring required, why?	19. List any monitoring requirements not listed above
17	PM	0.5 lb/MMBtu	N/A	N/A
17	Hours of Operation (2 temporary units)	864 hr/yr	Monthly log	N/A
21	PM	0.6 lb/MMBtu	N/A	N/A
21	SO2	3.5 lb/MMBtu	N/A	N/A
14	Dust Collectors A through C pressure drop	1.0" – 5.0" H2O	N/A	N/A
14 - 21	Visible emissions (from processes without control devices)	N/A	N/A	N/A
17	Adsorption units (AD-2, AD-3 & AD-4) pressure drop	2.0" – 5.0" H2O	N/A	N/A
17	Desorption units (AD-2, AD-3 & AD-4) temperature	350 deg F – 500 deg F	Daily recording	N/A
17	Thermal oxidizer (TO-1) temperature	1400 deg F – 1800 deg F	Daily recording	N/A
21	Natural gas usage	None	Daily recording	N/A
20	Scrubber pH	As specified	N/A	N/A
20	Scrubber pressure drop	As specified	N/A	N/A
19	PM	25.04 lb/hr	N/A	N/A
21	PM	37.8 lb/hr	N/A	N/A

MONITORING/APPLICABLE REGULATION AND PERMIT/RULE REQUIREMENTS-PART IV									
(This section summarizes the monitoring and reporting requirements)									
2. Unit ID	20. Description (include equip/process ID)	21. Potential Uncontrolled Emissions		22. Control Equip ID	23. Potential Controlled Emissions Tons/Year	24. Subject to CAM Rule (40 CFR 64)?			
		Pollutant	Tons/Year			Yes*	No	Exempt	25. Reason Exempt?
14 - 21	Facility-wide emission points (Various)	N/A	N/A	N/A	N/A		X		
19, 20	Plating lines (02-A, 02-B)	N/A	N/A	N/A	N/A		X		
17, 18, 21	CMP, CMAP Support, and TFP emission points (Various)	VOC	Facility < PSD major source thresholds	AD-1, AD-2, AD-3, TO-1, TFS	39.5	X			

MONITORING/APPLICABLE REGULATION AND PERMIT/RULE REQUIREMENTS-PART IV (This section summarizes the monitoring and reporting requirements)									
2. Unit ID	20. Description (include equip/process ID)	21. Potential Uncontrolled Emissions		22. Control Equip ID	23. Potential Controlled Emissions Tons/Year	24. Subject to CAM Rule (40 CFR 64)?			25. Reason Exempt?
		Pollutant	Tons/Year			Yes*	No	Exempt	
17	Thermal oxidizer natural gas fired startup burners	N/A	N/A	N/A	N/A		X		
21	Natural gas fired boiler (B201)	N/A	N/A	N/A	N/A		X		
21	Natural gas fired boiler (B201)	N/A	N/A	N/A	N/A		X		
14	Raw Material Manufacturing (06-A through 06-D)	All	Each < major source thresholds	DC-A, DC-B, DC-C	N/A			X	Pre control < threshold
14 - 21	Various process without control devices (Various)	N/A	N/A	N/A	N/A		X		
17	CMAP Buildup	VOC; other emissions	127 VOC	AD-1, AD-2, AD-3 & TO-1	14 VOC			X	
21	Boiler (B201)	N/A	N/A	N/A	N/A		X		
20	Thin Film Process Scrubbers	All	Each < major source thresholds	TFS	N/A		X		
20	Thin Film Process Scrubbers	All	Each < major source thresholds	TFS	N/A			X	No limit, Pre control < threshold
19	Plating (SBE, BCB, FCT)	N/A	N/A	N/A	N/A		X		
21	Air stripper, Support maintenance, soldering equipment, EGs	N/A	N/A	N/A	N/A		X		

NOTE* If yes, the applicant must submit additional information in the form of a CAM plan as required under 40 CFR 64



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FACILITY-WIDE LIMITS FOR REGULATORY AVOIDANCE-PART V (This section summarizes emission unit(s) covered under a limit to avoid an applicable regulation)			
2. Unit ID (emission unit covered under the limit)	11. Pollutant/Parameter	4. Limit (Facility-Wide)	26. Parameter to Monitor
17, 18, 20	Aggregate VOC emissions	39.5 tpy (total) at NMF	VOC emissions
			SC Regulation 61-62.5, Section H

ADDITIONAL INFORMATION FOR MACT SOURCES-PART VI (This section allows for additional information or requirements for sources subject to a MACT Standard)		
2. Unit ID	28. New or Existing Equipment	29. Control Equip ID
14 - 20	N/A	N/A

ADDITIONAL INFORMATION FOR MACT SOURCES-PART VII (This section allows for additional requirements for sources subject to a MACT Standard)	
2. Unit ID	30. List any unit/equipment which is specifically exempt from MACT standards and state why.
14 - 20	N/A
21	40 CFR Part 62, Subpart ZZZZ. SSM Plan



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Please Refer to Instruction / Definitions Pages Before Completing This Form

PERMIT SHIELD				
1.Citation	2. Regulation	3. Applicable (Y/N)	4. Standard Reason Indicator	5. Comments (Use when choosing Indicator "J")
SCDHEC 62.1	Definitions, Permit Requirements, and Emissions Inventory	Y	D	Section contains general information applicable to this facility
SCDHEC 62.1	Prohibition of Open Burning	Y	D	Generally applicable to all facilities
SCDHEC 62.3	Air Pollution Episodes	N	A,H	Facility not a major source in a non-attainment area
SCDHEC 62.4	Hazardous Air Pollution Conditions - General	Y	D	Generally applicable to all facilities
SCDHEC 62.4	Hazardous Air Pollution Conditions	Y	D	Generally applicable to all facilities
SCDHEC 62.5 Std 1, Sec 1A	Emissions from Fuel Burning Operations – Visible Emissions Existing Sources	N	J	Units installed after February 11, 1971
SCDHEC 62.3, Std 1, Secs 1B – 1D	Emissions from Fuel Burning Operations – New Sources, Special Provisions, Test Methods	Y	I	
SCDHEC 62.5 Std 1, Sec IIA	Emissions From Fuel Burning Operations – PM Emissions Allowable Discharge	Y	I	
SCDHEC 62.5 Std 1, Sec IIB	Emissions From Fuel Burning Operations – PM Emissions Special Provisions	N	J	Units installed after February 11, 1971
SCDHEC 62.5 Std 1, Sec IIC	Emissions From Fuel Burning Operations – SO2 Emissions Allowable Discharge	Y	I	
SCDHEC 62.5, Std 1, Sec IV	Emissions From Fuel Burning Operations – Opacity Monitoring Requirements	N	G	
SCDHEC 62.5, Std 1, Sec V	Emissions From Fuel Burning Operations – Exemptions	N	B	
SCDHEC 62.5, Std 1, Sec VI	Emissions From Fuel Burning Operations – Periodic Testing	N	B	
SCDHEC 62.5, Std 2	Ambient Air Quality Standards	Y	D	
SCDHEC 62.5, Std 3, Sec I	Waste Combustion & Reduction – Applicability	Y	I	
SCDHEC 62.5, Std 3, Sec II	Waste Combustion & Reduction - General	N	J	Does not supersede any other State or Federal requirement, unless the limit is more restrictive.
SCDHEC 62.5, Std 3, Sec III	Waste Combustion & Reduction – Emission Limitations and Operating Requirements	Y	I	
SCDHEC 62.5, Std 3, Sec IV	Waste Combustion & Reduction – Notification Requirements and Compliance Schedules	Y	I	
SCDHEC 62.5, Std 3, Sec V	Waste Combustion & Reduction – Waste Analysis	N	J	Meets exemption via air dispersion modeling
SCDHEC 62.5, Std 3, Secs VI and VII	Waste Combustion & Reduction – Continuous Monitoring Requirements	N	A	
SCDHEC 62.5, Std 3, Sec VIII	Waste Combustion & Reduction – Periodic Testing	Y	I	
SCDHEC 62.5, Std 3, Sec IX	Waste Combustion & Reduction – Operator Periodic Training Requirements	N	J	Exempt per the operating permit
SCDHEC 62.5, Std 3.1	Medical Waste Incinerator	N	B	
SCDHEC 62.5 Std 4, Sec I	Emissions From Process Industries	Y	I	
SCDHEC 62.5 Std 4, Secs II – VII & XI - XII	Emissions From Process Industries	N	B	



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PERMIT SHIELD				
1.Citation	2. Regulation	3. Applicable (Y/N)	4. Standard Reason Indicator	5. Comments (Use when choosing Indicator "J")
SCDHEC 62.5 Std 4, Secs VII - X	Emissions From Process Industries – Other Manufacturing, Visible Emissions, Non-Enclosed Operations	Y	I	
SCDHEC 62.5 Std 5	Volatile Organic Compounds	N	B	
SCDHEC 62.5 Std 5.1	LAER Applicable to Volatile Organic Compounds	N	J	Net VOC emission increases not greater than 100 tpy since July 1, 1979
SCDHEC 62.5 Std 6	Alternative Emission Limitations	N	J	Did not apply for alternative emission limits
SCDHEC 62.5 Std 7	Prevention of Significant Deterioration	N	J	With modifications, facility requests removing PSD Synthetic Minor limit as they are now a true PSD minor source. PSD will only apply if future modifications are above PSD significance emission levels.
SCDHEC 62.5 Std 8, Secs I & II	Toxic Air Pollutants – General Applicability & Toxic Air Emissions	Y	I	
SCDHEC 62.5 Std 8, Sec III	Toxic Air Pollutants – Controls	N	J	Air dispersion modeling indicates controls not required
SCDHEC 62.5 Std 8, Sec IV	Toxic Air Pollutants – Source Test Requirements	N	J	Required only if requested by SCDHEC
SCDHEC 62.5 Std 8, Sec V	Toxic Air Pollutants – Recordkeeping	Y	I	
SCDHEC 62.6, Secs I & II	Control of Fugitive Particulate Matter – Control in Non-Attainment Areas & Control in Problem Areas	N	H	
SCDHEC 62.6, Sec III	Control of Fugitive Particulate Matter – Control Statewide	Y	D	
SCDHEC 62.7	Good Engineering Practice Stack Height	Y	D	
SCDHEC 62.63	National Emission Standards For Hazardous Air Pollutants (NESHAP)	Y	F	Facility previously major HAP source. Emissions currently below threshold, however, still defined as a major source facility
SCDHEC 62.70	Title V Operating Permit Program	Y	I	
SCDHEC 62.72	Acid Rain	N	B	
40 CFR Part 60, Subpart A	NSPS General Provisions	Y	I	
40 CFR Part 60, Subparts B – KKK (except Dc)	Adoption and Submittal of State Plans for Designated Facilities, Emission Guidelines and Compliance Times for specific sources	N	B	
40 CFR Part 60, Subpart Dc	NSPS for Small Industrial-Commercial-Institutional Steam Generating Units	Y	I	
40 CFR Part 61, Subpart A	NESHAP General Provisions	Y	F	Potentially applicable if Subpart M applies
40 CFR Part 61, Subpart B – FF (except M)	NESHAP for Specific compounds and processes	N	B	
40 CFR Part 61, Subpart M	NESHAP for Asbestos (including work practices)	Y	J	Only when work at the facility involves asbestos
40 CFR Part 63, <i>et. seq</i>	NESHAPs for specific processes	Y	I	Applicable to emergency generators, Subpart ZZZZ
40 CFR Part 63, Subparts A and B	NESHAP General Provisions and 112(g) control technology requirements	Y	I	CMAP
40 CFR Part 64	Compliance Assurance Monitoring	Y	I	



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PERMIT SHIELD				
1.Citation	2. Regulation	3. Applicable (Y/N)	4. Standard Reason Indicator	5. Comments (Use when choosing Indicator "J")
40 CFR Part 68	Chemical Accident Provisions	N	I	Regulated substances are below threshold planning quantities; General Duty Clause does apply however
40 CFR Part 70	State Operating Permit Program	Y	I	
40 CFR Part 72	Acid Rain Program	N	B	
40 CFR Part 73	Sulfur Dioxide Allowance System	N	B	
40 CFR Part 74	Sulfur Dioxide Opt-Ins	N	B	
40 CFR Part 75	Continuous Emission Monitoring	N	B	
40 CFR Part 76	Acid Rain Nitrogen Oxides Emission Reduction Program	N	B	
40 CFR Part 77	Excess Emissions	N	B	
40 CFR Part 78	Appeal Procedures for Acid Rain Program	N	B	
40 CFR Part 79	Registration of Fuels and Fuel Additives	N	B	
40 CFR Part 80	Regulation of Fuels and Fuel Additives	N	B	
40 CFR Part 81	Designation of Areas for Air Quality Control Regions	N	J	Facility located in an attainment area
40 CFR Part 82, Subparts A – G (except Subpart F)	Stratospheric Ozone – Production, Motor Vehicles, etc.	N	B	
40 CFR Part 82, Subparts F	Stratospheric Ozone – Recycling and Emissions Reductions	Y	J	AVX personnel service plant air conditioners and cooling equipment

STANDARD REASONS	
Indicator	Standard Reason
A	The facility is not in the applicable source category
B	The specified source/process is not present at the facility
C	The facility/unit was constructed or last modified prior to the effective date of the rule
D	Applies to all facilities
E	Rule/Standard proposed, but not final/effective
F	The facility/unit emits pollutants at a level less than established by the rule
G	The facility/unit design capacity or production capacity is less than established by the rule.
H	The facility is not in a special control/non-attainment area.
I	Applicable to facility; requirements are listed in permit application and facility has certified compliance.
J	Other (explain)