

APPENDIX C

Equipment Identification

TABLE 1
 Revised Title V Unit ID Cross Reference
 AVX, Myrtle Beach, SC

Revised Title V Unit IDs	Department	Former Unit ID
UNIT 14	RMM	Unit 06
UNIT 15	Slip Mfg	Unit 04
UNIT 16	Metals	Unit 01
UNIT 17	CMAP Buildup	Unit 10
UNIT 18	CMAP Support	Unit 11
UNIT 19	Metallization	Unit 05
UNIT 20	Thin Film	Unit 13
UNIT 21	Misc Support	Unit 03
DELETE	Plating Department ¹	Unit 02
DELETE	MB1 CMAP Buildup ²	Unit 07
DELETE	MB1 CMAP Support ²	Unit 08
DELETE	MB1 Kiln Room ²	Unit 09
DELETE	MB2 Kiln Room ²	Unit 12

Note:

1. 5 of 8 plating lines are insignificant. Moved into Unit 19
2. Manufacturing consolidation
3. CMAP Support now includes all burnout ovens

TABLE 2
Equipment Cross Reference - RMM
AVX Corporation, Myrtle Beach, SC

CURRENT TITLE V PERMIT					
Unit No.	Unit Desc.	ID	Equip. Desc.	Additional Info.	Notes
6	RMM	SG3	VOID - Roller Hearth Kiln		Removed
		SG5	VOID - Barium Chloride Tank		Removed
		SG7 & SG8	VOID - Mixing Tanks #1 & #2		Removed
		SG9	VOID - Mixing Tank #3		Removed
		SG10	VOID - Q320 Centrifuge		Removed
		SG13	VOID - Barium Chloride Tank		Removed
		DOA - DOK	Drying Ovens	exhausting heat	In operation. Move to insignificant
		BL1	Blender	Prep of ceramic	In operation
		B4	Blender	Prep of ceramic	In operation
		B5	Blender	Prep of ceramic	In operation
		CSB1	Cone Screw Blender	1,000,000 lb/yr	In operation. Not exhausted. Enclosed
		B6	Dynamic Air Mixer	1,000,000 lb/yr	Removed
		RMMPS1 - RMMPS3	Pre-Slurry Carts	to slurry mixes.	(2) pre-slurry carts
		V1	Vat for BaCO3	weighing/batching	Removed
		V3	Vat for BaCO3	weighing/batching	Removed
		V8	Vat for Bismuth Titanate	weighing/batching	Removed
		V5	Vat for lead bismuth titanate	weighing/batching	Removed
		V7	Vat for lead niobate	weighing/batching	Removed
		V2	Vat for lead	weighing/batching	Removed
		V4	Vat for TiO2	weighing/batching	Removed
		V6	Vat for Y832	1,100,000 lb/yr	Removed
		PR1	Ceramic priller (3 pump)	300,000 lb/yr	In operation
		PR2	Ceramic priller (3 pump)	300,000 lb/yr	In operation
		PR3	Ceramic priller (1 pump)	100,000 lb/yr	In operation
		PR4	Ceramic priller (3 pump)	300,000 lb/yr	In operation
		PR5	Ceramic priller (3 pump)	300,000 lb/yr	In operation
		PR6 - PR9	Ceramic prillers (4 pump)	400,000 lb/yr ea.	2 In operation
		RTF-1	Rapid temp furnace	calcining/recalcining	In operation. Insignificant T&D furnace
		RTF-2	Rapid temp furnace	calcining/recalcining	In operation. Insignificant T&D furnace
		RTF-3	Rapid temp furnace	calcining/recalcining	In operation. Insignificant T&D furnace
		G1 & G3	Prill Grinders	700,000 lb/yr ea.	In operation. 350,000 lb/yr
		G4 & G5	Prill Grinders	700,000 lb/yr ea.	In operation. 350,000 lb/yr
		M1 - M3	Sweco Mills	PSD rated at 800	Removed
		M7 - M12	Sweco Mills	PSD rated at 800	Removed
			INSIGNIFICANT EQUIPMENT		
		CM-1 & CM-2	5 Chamber mill T&D		In operation. No exhaust.
		BMO-1	Blue M oven T&D		In operation. T&D
		RMMLAB	Lead blower		Removed
		RMM1 - 2	Blue M ovens		In operation.
		RMMA - L	Blue M ovens		6 In operation. 6 Removed
		M45-6 - M45-9	M18 Sweco Mill T&D		In operation. Wet process. No emissions
		PLB	Ceramic priller		In operation. T&D
		RK1 - RK4	Rotary kiln - tape reclaim		In operation
		SMM1 - SMM3	Spex mixer mill T&D		In operation
		VK1 - VK16	Vertical kilns		In operation
		AG1	Storage tank T&D		In operation. No exhaust.

REVISED TITLE V PERMIT					
Unit No.	Desc.	Equip. ID	No. Units	Equip. Desc.	Includes/Notes
14	RMM	RMMPS1	6	6 Prep devices for adding dry materials to slurry	(3) Blenders, (3) Pre-slurry carts
		RMMPG	4	4 Machines for grinding ceramic prills	(4) Prill grinders
		RMMPRILL	7	7 Machines for making ceramic prills	(8) Ceramic prillers
				INSIGNIFICANT EQUIPMENT	
		RMMDO	11	11 Ovens to remove detergent/dispersant from material	Drying ovens
		RMMRTF	3	3 Rapid temperature furnaces in T&D	Rapid Temperature Furnaces
		RMMTS	2	2 Tape shredders	Tape shredders
		RMMOV	9	9 Ovens for moisture remove in testing and development	Blue M
		RMMTDP	1	Testing and development priller	Small prillers
		RMMKILN	4	4 Small rotary kilns	Rotary kilns
		RMMSPX	3	3 Mixers in testing and development	Spex mixers
		RMMVK	16	16 Calcining kilns	Vertical kilns
		RMMTG	1	Transguard	Transguard

TABLE 3
Equipment Cross Reference - Slip
 AVX Corporation, Myrtle Beach, SC

CURRENT TITLE V PERMIT						
Unit No.	Unit Desc.	ID	Equip. Desc.	Additional Info.	No. Units	Notes
4	Slip Mfg.	KMS1 - KMS3	Kady Zolvers#1 - #3	PSD 600 kg/day ea.	3	Removed
		MCD1 - MCD5	MC Dispensers #1 - #5	PSD 800 kg/day ea.	5	2 Removed
		NM1	Netzsch Mill #1	PSD 2400 kg/day	1	In Operation
		NM2	Netzsch Mill #2	PSD 2400 kg/day	1	Removed
		NM3	Netzsch Mill #3	PSD 2400 kg/day	1	Removed
		S1	Sweco M18 Mill #1	PSD 800 kg/day	1	In Operation
		S2	Sweco M18 Mill #2	PSD 800 kg/day	1	In Operation
		S3	Sweco M18 Mill #3	PSD 800 kg/day	1	In Operation
		S4 - S6	Sweco M18 Mills #4 - #6	PSD 800 kg/day ea.	3	(4) In operation
		SG1 - SG11	Sweco M45 Mills #1 - #11	PSD 800 kg/day ea.	11	In Operation
		KM1	Kady Mill #1	Blend 2,400 kg/day	1	Removed
		KM2	Kady Mill #2	Blending 2,400	1	Removed
		KM3	Kady Mill #3	Blending 2,400	1	Removed
		MC1 - MC7	MC Mixers #1 - #7	PSD 800 kg/day ea.	7	In Operation
		AVM1	Armenco Vacuum Mixer	Blending 240 kg/day	1	In Operation
		SPM1	Stock pot mixers	adds solvent	1	27 Tanks
			INSIGNIFICANT EQUIPMENT			
		BA1	Bioact 113 ultrasonic cleaner		1	In Operation
		DU1	Distillation Unit: Bioact		1	In Operation
		FG-3	Fume hood	testing and dev	1	In Operation
		FU-1	Small furnace fume hood	testing and dev	1	In Operation
		SM5	Support maintenance: cleaning		1	In Operation. Emissions captured in dept.

REVISED TITLE V PERMIT					
Unit No.	Unit Desc.	Equip. ID	No. Units	Equip. Desc.	Includes/Notes
15	Slip Mfg.	SMILL	19	19 Machines to mill ceramic material	(1) Netzsch, (17) Sweco
		SMIX	35	35 Machines to mix ceramic material components	(7) MC, (1) Armenco, (27) pot mixers
				INSIGNIFICANT EQUIPMENT	
		BIOACT	1	Bioact cleaning system	Bioact ultrasonic cleaner & distiller
		SFH	1	Fume hood	Fume hood
		SO	1	Lab oven and fume hood	Lab oven fume hood

TABLE 4
 Summary Of Potential Emissions
 AVX Corporation, Myrtle Beach, SC

CURRENT TITLE V PERMIT						
Unit No.	Unit Desc.	ID	Equip. Desc.	Additional Info.	No. Units	Notes
1	Metals	BM-4	Bead Mill (small)		1	Removed
		BM-5	Bead Mill (large)		1	Removed
		BM-6	Bead Mill (large)		1	Removed
		BM-7	Bead Mill (large)		1	Removed
		BM-8	Bead Mill (large)		1	Removed
		BM-9	Bead Mill (large)		1	Removed
		BM-10	Bead Mill (large)		1	Removed
		BRM-1	Buhler Roll Mill #1		3	In Operation
		BRM-2	Buhler Roll Mill #2			In Operation
		BRM-3	Buhler Roll Mill #3			In Operation
		DM-1	Dyno Mill		1	Removed
		KMS-1	Kady Zolver #1		3	In Operation
		KMS-2	Kady Zolver #2			In Operation
		KMS-3	Kady Zolver #3			In Operation
		TRM-1	Three Roll Mill (large)		1	In Operation
		TRM-2	Three Roll Mill (small)		1	In Operation
		TRM-3	Three Roll Mill (large)		1	Removed
		TRM-4	Three Roll Mill (small)		1	Removed
		AM-1	Air Mixer #1		6	In Operation
		AM-2	Air Mixer #2			In Operation
		AM-3	Air Mixer #3			In Operation
		AM-4	Air Mixer #4			In Operation
		AM-5	Air Mixer #5			In Operation
		AM-6	Air Mixer #6			In Operation
		AVM1	Armenco Vacuum Mixer		1	In Operation
		H-1 - H-7	Hockmeyer Mixers #1 - #7		12	In Operation
		H-8 - H-12	Hockmeyer Mixers #8 - #12			In Operation
		MM-1	Meyers Mixer #1		2	In Operation
		MM-2	Meyers Mixer #2			In Operation
		PD-2	PD2 Mixer		1	In Operation
		HDM1 - HDM5	Planetary Mixers #1 - #5		5	In Operation
INSIGNIFICANT EQUIPMENT						
		FP-1 & FP-2	(2) Filter presses	500 kg/day ea.	2	In Operation
		CT-1 & CT-2	(2) Centrifuges	200 kg/day ea.	2	Removed
		FH-1 & FH-2	(2) Fume hoods		2	In Operation
		FP-3	Kyocera filter press	500 kg/day	3	Removed
		BA2	Metals maintenance		1	Removed
		SW4 & SW5	(2) Solvent wash sinks		2	In Operation
		SM4	Support maintenance		1	Removed

REVISED TITLE V PERMIT					
Unit No.	Unit Desc.	Equip. ID	No. Units	Equip. Desc.	Includes/Notes
16	Metals	MMILL	8	8 Machines to mill electrode ink	(3) Buhler Roll, (3) Kady Zolver, (2) Three Roll
		MMIX	27	27 Machines to mix electrode inke components	(6) Air, (1) Armenco Vacuum, (12) Kockmeyer, (2) Meyers, (1) PD, (5) Planetary
INSIGNIFICANT EQUIPMENT					
		MFP	2	2 Filter presses	Filter presses
		MPS	1	1 Pot storage room exhaust	Pot room exhaust
		MFH	2	2 Lab fume hoods	Lab fume hoods
		MSW	2	2 Solvent wash sinks	Solvent wash sinks
		MO	1	1 Lab oven	Lab oven

TABLE 5
Equipment Cross Reference - CMAP
AVX Corporation, Myrtle Beach, SC

CURRENT TITLE V PERMIT								
Unit No.	Unit Desc.	ID	Equip. Desc.	Additional Info.	No. Units	Notes		
7	Slip Mfg. MB1	C0 - C4	CMAP machine	1.8 million pcs/day	5	Linear SSBU & JH		
		C5	CMAP machine	1.8 million pcs/day	1			
		C6	CMAP machine	1.8 million pcs/day	1			
		C7	CMAP machine	1.8 million pcs/day	1			
		C8	CMAP machine	1.8 million pcs/day	1			
		C9	CMAP machine	1.8 million pcs/day	1			
		C10	CMAP machine	1.8 million pcs/day	1			
		C11	CMAP machine	1.8 million pcs/day	1			
		C12 - C18	CMAP machine	1.8 million pcs/day	7			
		C19 - C27	CMAP machine	1.8 million pcs/day	9			
		C28 - C32	CMAP machine	1.8 million pcs/day	5			
		C33 - C36	CMAP machine	1.8 million pcs/day	4			
		C37	CMAP machine	1.8 million pcs/day	1			
		C38 - C40	CMAP machine	1.8 million pcs/day	3			
		C41 - C53	CMAP machine	1.8 million pcs/day	13			
		C54	CMAP machine	1.8 million pcs/day	1			
		INSIGNIFICANT EQUIPMENT						
			SRT1 - STR4	Screen Room Tables		4	In Operation	
			SRW1	Screen Wash station w/ acetone		1	In Operation. Remove: acetone	
			SW1 - SW3	Solvent wash sink		3	In Operation	
		10	Slip Mfg. MB2	C200 - C207	CMAP Machine	1.8 million pcs/day	8	
				C208 - C215	CMAP Machine	1.8 million pcs/day	8	
				C216 - C223	CMAP Machine	1.8 million pcs/day	8	
				C224 - C231	CMAP Machine	1.8 million pcs/day	8	
C232 - C239	VOID CMAP Machine				8	Remove		
C240 - C247	VOID CMAP Machine				8	Remove		
INSIGNIFICANT EQUIPMENT								
	JHC1			JHCMAP for chip fab.		1	Remove	
	SC1			SCMAP for chip fab.		1	Remove	

REVISED TITLE V PERMIT						
Unit No.	Unit Desc.	Equip. ID	No. Units	Equip. Desc.	Includes/Notes	
17	CMAP Buildup	CMAP	24	24 Machines to manufacture capacitor chips	(24) CMAP machines	
		CMAPT	2	2 Temporary CMAP machines	(2) CMAP machines	
		INSIGNIFICANT EQUIPMENT				
		CSR	1	Screen Room		
	CSWS	3	(3) Screen Wash station w/ acetone	1 w/ acetone		

TABLE 6
Equipment Cross Reference - CMAP Support
AVX Corporation, Myrtle Beach, SC

CURRENT TITLE V PERMIT						
Unit No.	Unit Desc.	ID	Equip. Desc.	Additional Info.	No. Units	Notes
8	CMAP Supp. MB1	D1	Blue M Oven POM-7-336G-3	drying. 341 BTU/min	1	Removed
		D2	Blue M Oven POM-7-336G-3	drying. 341 BTU/min	1	In operation. Move to insig.
		CD1 - CD22	Chip Dryers	moisture removal.	22	Removed
		GPBO-1 - GPBO-7	Gruenberg Post Bake Oven	moisture removal.	7	In operation Move to insig.
		GPBO-11 - GPBO-12	Gruenberg Post Bake Oven	moisture removal.	2	Removed
		GPBO-13 - GPBO-16	Gruenberg Post Bake Oven	moisture removal.	4	Removed
		MTO1 & MTO2	Microtech Oven 1	Thermal release oven	2	MTO1 in operation. Move to insig.
		MTO3 & MTO4	Microtech Oven 3	Thermal release oven	2	Removed
		DD-1	Disco Dicer	9.2 million pcs/day	1	In operation
		DD-2	Disco Dicer	9.2 million pcs/day	1	In operation
		DD-3	Disco Dicer	9.2 million pcs/day	1	In operation
		DD-4	Disco Dicer	9.2 million pcs/day	1	In operation
		DD-5	Disco Dicer	9.2 million pcs/day	1	In operation
		DD-6	Disco Dicer	9.2 million pcs/day	1	Removed
		GS-1	M&E Dicer	9.2 million pcs/day	1	In operation
		GS-2	M&E Dicer	9.2 million pcs/day	1	Removed
		GS-4	M&E Dicer	9.2 million pcs/day	1	Removed
		GS-5 & GS-6	M&E Dicer	9.2 million pcs/day	2	Removed
		GS-7	M&E Dicer	9.2 million pcs/day	1	Removed
		GS-8	M&E Dicer	9.2 million pcs/day	1	Removed
		GS-9	M&E Dicer	9.2 million pcs/day	1	Removed
		GS-10	M&E Dicer	9.2 million pcs/day	1	Removed
		GS-11	M&E Dicer	9.2 million pcs/day	1	Removed
		GS-12	M&E Dicer	9.2 million pcs/day	1	Removed
		INSIGNIFICANT EQUIPMENT				
		BC1	Blade cleaning with acetone			Remove.
		KPA1	Kraft paper applicator			Removed
		NA1	Nitto paper applicator			In Operation
		SM1	Support maint. alcohol cleaning			Removed
		TA1	Teslin paper applicator			In Operation
11	CMAP Supp. MB2	BM-202 - BM-205	Blue M Oven 1A662G-1		4	In operation. Move to insig.
		DD-7 - DD-10	Disco Dicer		4	
		GB232 - GB235	Gruenberg Ovens		4	In operation. Move to insig.
		LD1 - LD3	Linear Dryers		3	LD1 In operation. Move to insig.
		LD4	Linear Dryers		1	In operation. Move to insig.
		MTI-201 & MTI-202	MTI Dicer		2	
		INSIGNIFICANT EQUIPMENT				
		BC2	Blade Cleaning w/ acetone			In operation.
		NA2	Nitto Paper Applicator			In Operation
9	Kiln Room MB1	RA8 - RA13, RA29 & RA33	Blue M Ovens CW-88OG	512 BTU/min ea.	8	Removed
		RA34 & RA37	Blue M Ovens CW-88OG	512 BTU/min ea.	2	Removed
		BM27	Blue M Oven POM-7-336F	341 BTU/min	1	Removed
		BM28	Blue M Oven POM-7-336F	342 BTU/min	1	Removed
		BM64	Blue M Oven POM-7-336F	343 BTU/min	1	Removed
		BM65 & BM66	Blue M Oven POM-7-336F	344 BTU/min ea	2	Removed
		CL01 & CL02	Cladan Kiln 315	682 BTU/min ea.	2	In operation, moving to MB2
		CL03 - CL07	Cladan Kiln 316	682 BTU/min ea.	3	In operation, moving to MB2
		GB-1	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed
		GB2 & GB3	Gruenberg Oven C135H1M	1,366 BTU/min	2	Removed
		GB4, GB5 & GB14 - GB20	Gruenberg Oven C135H1M	1,366 BTU/min	9	Removed
		GB36 & GB38	Gruenberg Oven C135H1M	1,366 BTU/min	2	Removed
		GB39, GB40, GB42, GB43 & GB46	Gruenberg Oven C135H1M	1,366 BTU/min	5	Removed
		GB47	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed
		GB48	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed
		GB59	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed

REVISED TITLE V PERMIT						
Unit No.	Unit Desc.	Equip. ID	No. Units	Equip. Desc.	Includes/Notes	
18	CMAP Support	DD	5	5 Machines for dry dicing chips	Disco, M&E gang saw	
		INSIGNIFICANT EQUIPMENT				
		BO	36	36 Ovens for chip binder burnout	(30) Gruenberg, (2) Sierra Therm, (1) Nitrogen	
		FK	24	Firing Kilns	(9) Cladan, (6) Harper, (9) Tokai	
		CSO	16	16 Low temperature moisture removal ovens	Gruenberg (Blue M) and pre-dice	
		CSCS	1	Blade cleaning station	Cleaning station	
		CSPA	2	2 Machines for adding paper to plates	(1) Nitto, (1) Bilco	
		CSCD	2	2 Chip dryers	(1) green corner rounding, (1) post fire	
		CSTR	1	1 Thermal release ovens	Microtech	

TABLE 6
Equipment Cross Reference - CMAP Support
AVX Corporation, Myrtle Beach, SC

CURRENT TITLE V PERMIT								
Unit No.	Unit Desc.	ID	Equip. Desc.	Additional Info.	No. Units	Notes		
9	Kiln Room MB1	GB60 - G62	Gruenberg Oven C135H1M	1,366 BTU/min	3	Removed		
		GB63, GB65 - GB79	Gruenberg Oven C135H1M	1,366 BTU/min	16	Removed		
		GB81 - GB99	Gruenberg Oven C135H1M	1,366 BTU/min	20	Removed		
		GB100	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed		
		GB101	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed		
		GB102	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed		
		GB111	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed		
		GB112	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed		
		GB113	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed		
		GB114	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed		
		GB115 & GB116	Gruenberg Oven C135H1M	1,366 BTU/min	2	Removed		
		GB117 & GB120	Gruenberg Oven C135H1M	1,366 BTU/min	2	Removed		
		GB126 - GB129	Gruenberg Oven C135H1M	1,366 BTU/min	4	Removed		
		GB130	Gruenberg Oven C135H1M	1,366 BTU/min	1	Removed		
		GB131 - GB180	Gruenberg Oven C135H1M	1,366 BTU/min	50	Removed		
		GB182 - GB184	Gruenberg Oven C135H1M	1,366 BTU/min	3	Removed		
		HA9	Harper Double Hearth Kiln	13,298 BTU/min	1	Removed		
		HA10 & HA11	Harper Double Hearth Kiln	13,298 BTU/min	2	Removed		
		HA12	Harper Double Hearth Kiln	13,298 BTU/min	1	Removed		
		HA15 & HA16	Harper Double Hearth Kiln	13,298 BTU/min	2	Removed		
		HA17 & HA18	Harper Double Hearth Kiln	13,298 BTU/min	2	Removed		
		HA1 - HA7	Harper Double Hearth Kiln	13,298 BTU/min	7	HA1 - 6 in operation. HA7 Removed		
		HA14	Harper Double Hearth Kiln	13,298 BTU/min	1	Removed		
		N13 & N14	Sierra Therm oven 2k26-91C69-7A	3,182 BTU/min ea.	2	N14 in operation. N13 Removed.		
		N15	Sierra Therm oven 2k26-91C69-7A	3,182 BTU/min	1	In operation		
		TK1 - TK5 & TK9	Tokai Continuous Kiln	10,415 BTU/min ea.	6	TK1 - 3 in operation.		
		TK6 & TK7	Tokai Continuous Kiln	10,415 BTU/min ea.	2	Removed		
		NNE1 - NNE4	Tokai Non-Noble Kiln	63 KVA ea.	4	In operation		
		NNE5 - NNE9	Tokai Non-Noble Kiln	63 KVA ea.	5	NNE5 and 6 in operation.		
		N5	WJ Oven 12CA-87	2,557 BTU/min	1	Removed		
		N7 - N10	WJ Oven 12CA-87	2,557 BTU/min	4	Removed		
		N12	WJ Oven 12CA-87	2,557 BTU/min	1	Removed		
		12	Kiln Room MB2	B201	MB2 Boiler	13.4 MMBtu/hr, Subpart Dc		In operation. Add to Unit ID 21
				SM2	Support Maintenance	cleaning	1	Remove - No cleaning tracked.
				BM-201	Blue M Oven TA662G-1	325 BTU/min	1	Removed
				GB201 - GB207	Gruenberg Ovens C135H11M	1,366 BTU/min	7	In operation
				GB208	Gruenberg Ovens C135H11M	1,366 BTU/min	1	In operation
				GB209 - GB215	Gruenberg Ovens C135H11M	1,366 BTU/min	7	In operation
				GB216	Gruenberg Ovens C135H11M	1,366 BTU/min	1	In operation
				GB217 - GB223	Gruenberg Ovens C135H11M	1,366 BTU/min	7	In operation
				GB224	Gruenberg Ovens C135H11M	1,366 BTU/min	1	In operation
GB225 - GB231	Gruenberg Ovens C135H11M			1,366 BTU/min	7	In operation		
GB236 - GB284	Gruenberg Ovens C135H11M			1,366 BTU/min	49	Removed		
TK1	Tokai Continuous Kiln			10,415 BTU/min	1	Removed		
TK2 & TK3	Tokai Continuous Kiln			10,415 BTU/min	2	Removed		
TK8 - TK12	Tokai Continuous Kiln			10,415 BTU/min	2	Removed		
NNE20 - NNE25	Tokai Non-Noble Kiln			65 KVA	6	Removed		
NNE26 - NNE31	Tokai Non-Noble Kiln			66 KVA	6	Removed		

TABLE 7
Equipment Cross Reference - Metallization
AVX Corporation, Myrtle Beach, SC

CURRENT TITLE V PERMIT								
Unit No.	Unit Desc.	ID	Equip. Desc.	Additional Info.	No. Units	Notes		
5	Termination	CS1 - CS5	Chipstar CS-325 Ovens #1 - #5	Ink drying 313 Btu/min ea.	5	In operation		
		CS6 - CS15	Chipstar CS-325 Ovens #6 - #15	Ink drying 313 Btu/min ea.	10	In operation		
		CS16	Chipstar CS-325 Oven #16	Ink drying 313 Btu/min	1	In operation		
		CS17 - CS24	Chipstar CS-325 Oven #17 - #24	Ink drying 313 Btu/min ea.	8	Remove		
		CS30	Chipstar CS-325 (Modified) Oven #30	Ink drying 313 Btu/min ea.	1	Remove		
		MGB	Gruenberg Oven L3-1H506	K/day	1	Remove		
		LK-1 - KL-4	Koyo-Lindburg Ovens #1 - #4	Copper term. 51.6 KVA ea.	4	Remove		
		KL-5	Koyo-Lindburg Ovens #5	Copper term. 51.6 KVA	1	Remove		
		KL-6	Koyo-Lindburg Ovens #6	Copper term. 51.6 KVA	1	In operation		
		KL-7 - KL-12	Koyo-Lindburg Ovens #7 - #12	Copper term. 51.6 KVA ea.	5	In operation		
		P20 - P24	Palomar 2007 Ovens	Ink drying 313 Btu/min ea.	5	Remove		
		P25 - P31	Palomar 2009 Ovens	Ink drying 313 Btu/min ea.	7	Remove		
		ST-8 - ST-10	Sierra Therm Ovens	silver term 56 KVA	3	Remove		
		ST-11	Sierra Therm Oven	silver term 56 KVA	1	Remove		
		ST-12 - ST-16	Sierra Therm Ovens	silver term 56 KVA	5	In operation		
		WJO	WJ Oven	Moisture/organic removal 260	1	In operation		
		WJ-7	WJ Oven 24CA-87	silver term 45 KVA	1	In operation		
		PO1	Palomar 2001 Modified Oven	Ink drying 313 Btu/min	1	In operation		
		PO2	Palomar 2009 Modified Oven	Ink drying 313 Btu/min	1	In operation		
		P1	Palomar 246 System	Ink drying 313 Btu/min	1	In operation		
		P2	Palomar 246 System	Ink drying 313 Btu/min	1	In operation		
		P3 & P4	Palomar 246 System	Ink drying 313 Btu/min	2	In operation		
		P5 & P6	Palomar 246 System	Ink drying 313 Btu/min	2	In operation		
		P7 - P9	Palomar 246 System	Ink drying 313 Btu/min	3	In operation		
		P10 - P16	Palomar 246 System	Ink drying 313 Btu/min	7	Remove		
		P17	Palomar 246 System	Ink drying 313 Btu/min	1	In operation		
		P18	Palomar 246 System	Ink drying 313 Btu/min	1	Remove		
		INSIGNIFICANT EQUIPMENT						
			L1 - L5	Lasers	260 kg/day	5	In operation	
			SW6 & SW7	Solvent wash stations		2	1 in operation	
		2	Plating	A1	Autoline Barrel #1	Ni, Sn/Pb 276 barrel/day	1	Temporarily in operation
				A2	Autoline Barrel #2	Ni, Sn/Pb 276 barrel/day	1	Remove
				A3	Autoline Barrel #3	Ni, Sn/Pb 276 barrel/day	1	Remove
A4	Autoline Barrel #4			Ni, Sn/Pb 276 barrel/day	1	Remove		
A5	Autoline Barrel #5			Ni, Sn/Pb 276 barrel/day	1	Remove		
GP-1	Gold Plating			200 barrel/mo	1	Changing to SBE process		
RF-1	RFT Plater #1			15 KVA	1	Remove		
RF-2 RF-3	RFT Platers #2 & #3			15 KVA	2	Remove		
RF-4	RFT Plater #4			15 KVA	1	Remove		
INSIGNIFICANT EQUIPMENT								
	PL-1 - PL-6			Blue M ovens for moisture removal	Various btu/min	6	4 In operation	
	SS1 & SS2			Solder stations	260 kg/day	2	In operation	

REVISED TITLE V PERMIT								
Unit No.	Unit Desc.	Equip. ID	No. Units	Equip. Desc.	Includes/Notes			
19	Metallization	TTOOL	20	20 Systems that apply termination paste to chips	(6) Palomar, (8) Chipstar, (6) Quicksilver			
		TOVEN	9	9 Ovens to cure terminated chips	(6) Koyo-Lindburg, (3) Sierra Therm			
		PBSBE	2	2 Ni/Sn/Pb SBE plating lines	(2) 95 L lines and (1) 130 L line			
		AUTO	1	Autoline Barrel #1	Remain in operation through 2010			
		INSIGNIFICANT EQUIPMENT						
			SBE	3	3 SBE Plating lines	3 SBE Plating (Ni/Sn and Cu)		
			BCB	2	2 BCB plating lines	BCB Plating		
			FCT	1	1 FCT plating line	FCT Plating		
			GPL	1	1 Manual gold plating line	Gold plating		
			PDD	11	11 Plating dyers for moisture removal	Drying ovens		
			PDO	1	1 plate drying oven for moisture removal	Oven for drying cleaned build up plates		
			CO	1	1 Copper coupon oven	Oven for drying quality control coupon paste		
			TL	5	5 Labeling lasers	Labeling lasers		
	TSW	2	1 Solvent wash stations	1 Solvent wash stations				

Table 8
 Equipment Cross Reference - Thin Film Process
 AVX Corporation, Myrtle Beach, SC

CURRENT TITLE V PERMIT						
Unit No.	Unit Desc.	ID	Equip. Desc.	Additional Info.	No. Units	Notes
13	Thin Film	TFP	Thin Film Process		1	

REVISED TITLE V PERMIT					
Unit No.	Unit Desc.	Equip. ID	No. Units	Equip. Desc.	Includes/Notes
20	Thin Film	TFP	1	Thin Film Process	

TABLE 9
Equipment Cross Reference - Miscellaneous Support
 AVX Corporation, Myrtle Beach, SC

ID	Equip. Desc.	Additional Info.	No. Units	Notes
E4	EG (MIS)	245 kW	1	Removed
E5	EG (MIS)	260 kW	1	In operation
E6	EG (RMM & Calcining)	600kW	1	In operation.
E7	EG (Sol Gel)	565 kW	1	In operation
STR1	Stripping Tower #1	100 gpm	1	In operation
STR2	Stripping Tower #2	10 gpm	1	Removed
SM3	Support Maintenance for MB1	Cleaning	1	Removed. Captured by dept.
B201	13.4 MMBtu/hr Boiler		1	In operation
INSIGNIFICANT EQUIPMENT				
E1	EG (CMAP)	100 kW	1	In operation. Moved to Kiln Rm
B1	Plating boiler	0.392 MMBtu/hr	1	In operation
B2	Plating boiler	0.392 MMBtu/hr	1	In operation
B3	Plating boiler	0776 MMBtu/hr	1	In operation
CT1	Cooling Tower 1		1	In operation
CTA	Cooling Tower 2A		1	In operation
CTC	Cooling Tower 2C		1	In operation
WL-90	Boiler for in MB1: CMAP	0.998 MMBtu/hr	1	Removed
PDG	Product Development Group	R&D	1	Removed
E3	EG (Kiln Room)	75 kW	1	Removed
DFP	Diesel Fire Pump	87 bHp	1	In operation

Unit No.	Unit Desc.	Equip. ID	No. Units	Equip. Desc.	Includes/Notes
21	Misc Support	ST	1	100 gpm Groundwater stripping tower	
		B201	1	16.4 MMBtu/hr natural gas-fired boiler	
		SS	4	4 Soldering Stations (Lot Quality, Plating, and QC)	8 total. 3 pots with hoods, wave solder. 4 not vented
INSIGNIFICANT EQUIPMENT					
		E1	1	100 kW EG (Kiln Room)	
		E5	1	260 kW EG (MIS)	
		E6	1	600 kW EG (RMM)	
		E7	1	565 kW EG (Sol Gel)	
		DFP	1	Diesel Fire Pump	
		B1	1	0.392 MMBtu/hr Plating boiler	
		B2	1	0.392 MMBtu/hr Plating boiler	
		B3	1	0.776 MMBtu/hr Plating boiler	
		CT1	1	Cooling Tower 1	
		CTA	1	Cooling Tower 2A	
		CTC	1	Cooling Tower 2C	
		DPA	1	Lot quality DPA hood	
		LQO	5	Lot quality drying ovens	(5) Blue M ovens