

**Title V Semi-Annual Monitoring Verification Report**

**Table VII-A  
Applicable Limits and Compliance Monitoring Requirements  
S1 - Fiberglass Operation**

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance
Weight Loss from VOC Emissions	BAAQMD 8-50-301.5 BAAQMD Condition #9997, part 4b	N	weight loss/emissions from vapor suppressed resin $\leq$ 50 g/m <sup>2</sup> surface area or compliance with BAAQMD 8-50-301.6 or 8-50-301.7	BAAQMD 8-50-501.3 BAAQMD Condition #9997, part 7 plus 11	P/E	records	N/A
VOC	BAAQMD 8-50-301.6 BAAQMD Condition #9997, parts 2 plus 4a	N	applicable limits for openmold resin or gel coat in BAAQMD 8-50-301, Table 1 or compliance with BAAQMD 8-50-301.5 or 8-50-301.7	BAAQMD 8-50-501.2a BAAQMD Condition #9997, part 7 plus 11	P/E	records	Y
VOC	BAAQMD 8-50-301.7	N	monomer content up to 10% more than applicable limits in BAAQMD 8-50-301, Table 1 of resins and gel coats used to touch up, repair or install a composite product and the use of hand-held atomized spray technologies with a container that is part of gun with capacity $\leq$ 1 quart or compliance with BAAQMD 8-50-301.5 or 8-50-301.6	BAAQMD 8-50-501.2 BAAQMD Condition #9997, part 7 plus 11	P/E	records	Y

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VOC	BAAQMD 8-50-304 and BAAQMD Condition #9997, part 4c	N	applicable limits for corrosion resistant materials in BAAQMD 8-50-301, Table 1	BAAQMD 8-50-501.2a BAAQMD Condition #9997, part 7 plus 11	P/E	records	Yes
VOC	BAAQMD 8-50-305.4 BAAQMD Condition #9997, part 6	N	content of cleaning material, $\leq 25$ g/liter	BAAQMD 8-50-501.2b and Condition #9997, part 7 plus 11	P/E	records	Yes
VOC	SIP 8-50-301.1	Y	monomer content of resin $\leq 35\%$ by weight or compliance with BAAQMD 8-50-301.2 or 8-50-304	SIP 8-50-501.2 BAAQMD Condition #9997, part 7 plus 11	P/E	records	Yes
Weight Loss from VOC Emissions	SIP 8-50-301.2	Y	weight loss/emissions from vapor suppressed resin $\leq 60$ g/m <sup>2</sup> Surface area or compliance with BAAQMD 8-50-301 or 8-50-304	SIP 8-50-501.3 BAAQMD Condition #9997, part 7 plus 11	P/E	records	N/A

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VOC	SIP 8-50-304	Y	monomer content of corrosion resistant materials $\leq$ 50% by weight or compliance with BAAQMD 8-50-301.2	SIP 8-50-501.2 and BAAQMD Condition #9997, part 7 plus 11	P/E	records	Yes
VOC	SIP 8-50-305.4	Y	content of cleaning material $\leq$ 200 g/liter	SIP 8-50-501.2 and Condition #9997, part 7 plus 11	P/E	records	Yes
VOC	SIP 8-50-307	Y	content of gel coat, as applied $\leq$ 250 g/liter	SIP 8-50-501.2 and Condition #9997, part 7 plus 11	P/E	records	Yes
Material Through put	BAAQMD Condition #9997, part 1	Y	Gelcoat throughput < 4,100 gal/yr and compliance with BAAQMD Condition #9997, parts 8 plus 9 or none of the above but compliance with BAAQMD Condition #9997, part 10	BAAQMD Condition #9997, parts 7 and 11	P/D	records	Yes

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Material Throughput	BAAQMD Condition #9997, part 3	Y	Resin Throughput < 32,000 gal/yr and compliance with BAAQMD Condition #9997, parts 8 plus 9 or none of the above but compliance with BAAQMD Condition #9997, part 10	BAAQMD Condition #9997, part 7 plus 11	P/D	records	Yes
NPOC	BAAQMD Condition #9997, part 10b	N	NPOC emissions ≤ 3.630 tpy and compliance with BAAQMD Condition #9997, part 10a and c	BAAQMD Condition #9997, part 7 plus 11	P/D	records	X
HAP	40 CFR 63.5805(a)	Y	Open molding - tooling - with Mechanical resin application < 254 lb/ton	40 CFR 63.5810	P/E	records	N/A
HAP	40 CFR 63.5805(a)	Y	Open molding - tooling - with Manual resin application < 157 lb/ton	40 CFR 63.5810	P/E	records	N/A
HAP	40 CFR 63.5805(a)	Y	Open molding - low flame spread/low smoke products - with Mechanical resin application < 497 lb/ton	40 CFR 63.5810	P/E	records	N/A
POC	BAAQMD Condition #9997, part 10a	Y	POC emissions ≤ 11.008 tpy and compliance with BAAQMD Condition #9997, part 10b and c	BAAQMD Condition #9997, parts 7 and 11	P/D	records	Yes
POC	BAAQMD Condition #9997, part 13	Y	Mechanical non-atomized application for mechanical application of catalyzed resin and chopped glass fibers to an open mold	BAAQMD Condition #9997, parts 7 and 11	P/D	Visual	Yes

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S1 - Fiberglass Operation**

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance
HAP	40 CFR 63.5805(a)	Y	Open molding - low flame spread/low smoke products - with Manual resin application < 238 lb/ton	40 CFR 63.5810	P/E	records	Yes
HAP	40 CFR 63.5805(a)	Y	Open molding - gelcoat: Tooling gel coating < 440 lb/ton	40 CFR 63.5810	P/E	records	Yes
HAP	40 CFR 63.5805(a)	Y	Open molding - gelcoat: White/off white pigmented gel coating < 267 lb/ton	40 CFR 63.5810	P/E	records	Yes
HAP	40 CFR 63.5805(a)	Y	Open molding - gelcoat: All other pigmented gel coating < 377 lb/ton	40 CFR 63.5810	P/E	records	Yes
TAC	BAAQMD Condition # 9997, part 10c	Y	TAC emissions $\geq$ TAC risk screening level and compliance with BAAQMD Condition # 9997, part 10a and b	BAAQMD Condition # 9997, parts 7 plus 11	P/D	records	Yes
NPOC	BAAQMD Condition # 9997, part 5	N	Cleanup solvent < 1,100 gal/yr and compliance with BAAQMD Condition #9997, parts 8 plus 9 or none of the above but compliance with BAAQMD Condition #9997, part 10	BAAQMD Condition # 9997, parts 7 plus 11	P/D	records	Yes

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Applicable Limits and Compliance Monitoring Requirements  
S1 - Fiberglass Operation**

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance
Opacity	BAAQMD 6-301	Y	Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition # 9997, part 15	P/D	Visual inspection	Yes
FP	BAAQMD 6-310	N	0.15 gr/dscf	BAAQMD Condition #9997, part 15	P/D	Visual Filter inspection	Yes
FP	BAAQMD 6-1-311	Y	4.10P <sup>0.67</sup> lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #9997, part 15	P/D	Visual Filter inspection	Yes
FP	SIP 6-311	Y	4.10P <sup>0.67</sup> lb/hr but not to exceed 40 lb/hr, where P is process weight, ton/hr	BAAQMD Condition #9997, part 15	P/D	Visual Filter inspection	Yes
Opacity	SIP 6-301	Y	Ringelmann 1.0 for < 3 minutes/hr	BAAQMD Condition #9997, part 15	P/D	Visual Filter inspection	Yes
FP	SIP 6-310	Y	0.15 gr/dscf	BAAQMD Condition #9997, part 15	P/D	Visual inspection	Yes

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**Table VII-B  
Applicable Limits and Compliance Monitoring Requirements  
S2 - Booth and Brush Area for Bus Component Coating Operation**

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance
POC	BAAQMD Condition #22654, part 1	Y	shall not apply more than 5,380 gallons of Firetemp SI coating during any consecutive 12-month period. ( basis: Cumulative Increase	BAAQMD 8-45-501 BAAQMD Condition #22654, part 4	P/E	records	Yes
	BAAQMD Condition #22654, part 2a.	Y	Total POC emissions from S-2 do not exceed 1 ton in any consecutive twelve month period.	BAAQMD 8-45-501 Condition #22654, part 4	P/E	records	Yes
	BAAQMD Condition #22654, part 3	Y	maintain a current list of all materials used at S-2 and MSDSs for each. The list shall provide all of the data necessary to evaluate compliance.	BAAQMD 8-45-501 Condition #22654, part 4	P/E	records	Yes
Voc	BAAQMD Condition #22654, part 5	Y	The permit holder shall not use any coating subject to 40 CFR 82, Protection of Stratospheric Ozone. (basis: Regulation 206-503	BAAQMD 8-45-501 Condition #22654, part 4	P/E	records	Yes

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**Table VII-B  
Applicable Limits and Compliance Monitoring Requirements  
S2 - Booth and Brush Area for Bus Component Coating Operation**

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance
VOC	BAAQMD 8-45-301.3	N	Adhesion promoter limit: 840 g/l or 7.0 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Clear coating limit: 250 g/l or 2.1 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Color coating limit: 420 g/l or 3.5 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Multi-color coating limit: 680 g/l or 5.7 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Pretreatment coating limit: 660 g/l or 5.5 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Primer limit: 250 g/l or 2.1 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Primer Sealer limit: 340 g/l or 2.8 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Single Stage coating limit: 420 g/l or 3.5 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Temporary protective coating limit: 60 g/l or 0.5 lb/gal	BAAQMD 8-45-501	P/W	records	N/A



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S2 - Booth and Brush Area for Bus Component Coating Operation**

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance
VOC	BAAQMD 8-45-301.3	N	Truck bed liner coating limit: 310 g/l or 2.6 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Underbody coating limit: 430 g/l or 3.6 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Uniform finish coating limit: 540 g/l or 4.5 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.3	N	Other coating type Limit: 250 g/l or 2.1 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-308.5	N	Surface Preparation Solvent: General limit: 25 g/l or 0.2 lb/gal; Bug and tar remover: 350 g/l or 2.9 lb/gal	BAAQMD 8-45-501	P/W	records	N/A
Coating usage	BAAQMD 8-45-312	Y	Combined volume of adhesion promoter, uniform finish coating and multi-color coating < 5% of topcoats applied, montly basis	BAAQMD 8-45-501	P/W	records	N/A
VOC	SIP 8-45-301.2	Y	Group II Vehicles, Precoat limit: 600 g/l or 5.0 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.2	Y	Group II Vehicles, Pretreatment wash primer limit: 780 g/l or 6.5 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.2	Y	Group II Vehicles, Primer sealer limit: 340 g/l or 2.8 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.2	Y	Group II Vehicles, Primer limit: 250 g/l or 2.1 lb/gal	SIP 8-45-501	P/W	records	N/A

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Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance
VOC	SIP 8-45-301.2	Y	Group II Vehicles, Topcoat limit: 420 g/l or 3.5 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.2	Y	Group II Vehicles, Metallic/iridescent topcoat limit: 420 g/l or 3.5 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	SIP 8-45-301.2	Y	Group II Vehicles, Camouflage limit: 420 g/l or 3.5 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	SIP 8-45-308.4	Y	Surface Preparation Solvent: General limit: 72 g/l or 0.6 lb/gal; Hand help spray: 780 g/l or 6.5 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-312	Y	Special Coating limit: 840 g/l or 7.0 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-313	Y	Temporay Protective coating limit: 60 g/l or 0.5 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	SIP 8-45-314	Y	Precoat usage limit: 25% of waterborn primer sealer	SIP 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.2	Y	Group II Vehicles, Pretreatment wash primer limit: 780 g/l or 6.5 lb/gal	SIP 8-45-501	P/W	records	N/A
VOC	BAAQMD 8-45-301.2	Y	Group II Vehicles, Primer sealer limit: 340 g/l or 2.8 lb/gal	SIP 8-45-501	P/W	records	N/A