Public Health

Air Quality

Air Quality Management Division 1001 E. Ninth Street, Suite B171 Reno, NV 89512 Phone: 775-784-7200 www.OurCleanAir.com

STATIONARY SOURCE TECHNICAL SUPPORT DOCUMENT (STATEMENT of BASIS)

APPLICATION FOR: **Permit to Construct: Surface Coating Equipment**

> SUBMITTED BY: MA Auto Body Shop

PERMIT NUMBER: AAIR25-0001

LOCATION: 625 Quincy St., Reno, NV 89512

SIC code: 7532, "Top, Body, and Upholstery Repair Shops and Paint Shops" NAICS code: 811121, "Automotive Body, Paint, And Interior Repair And Maintenance"

5/16/2025

EXECUTIVE SUMMARY

This TSD establishes the methodology related to the terms and conditions of its Minor Source Permit issued pursuant to DBOH Regulation 030. The TSD shall not serve as the operating authority.

MA Auto Body Shop is a facility with surface coating equipment, operating at 625 Quincy St., Reno, NV 89512 in Washoe County. The source uses a spray booth for small scale automotive painting. The source is classified under SIC code 7532, "Top, Body, and Upholstery Repair Shops and Paint Shops" and NAICS code 811121811121, "Automotive Body, Paint, And Interior Repair And Maintenance".

MA Auto Body Shop will consist of (1) spray booth. The surface coating operation will be subject to the federal requirements of 40 CFR Part 63, Subpart HHHHHH. Pursuant to DBOH 030.100, a new source must apply for a Permit to Construct (PTC) before beginning construction and operation.

MA Auto Body Shop will be designated as a new minor source in the surface coating equipment source class, with the source PTE provided below in Table 1. In addition, the PTC will be issued based on the application that was received on February 19, 2025.

Pollutant	Major Source Threshold (PSD)	Major Source Threshold (Part 70)	Minor Source Threshold	Source PTE (Uncontrolled)	Allowable Emissions
PM ₁₀	250^{1}	100	5	Х	Х
PM _{2.5}	250^{1}	100	5	Х	Х
СО		100	5	Х	Х
VOC		100	5	9.13	0.333
NO _x	250^{1}	100	5	Х	Х
SO ₂	250^{1}	100	5	Х	Х
Lead (Pb)		100	0.3	Х	Х
H_2S			5	Х	Х
TRS			5	X	Х
HAP (combined)		$10/25^2$		6.39	0.198

Table 1: Source PTE – Summary (tons per year)

¹ Threshold is 100 tons per year for the 28 listed source categories listed in 40 CFR 51.166(b)

 $^{^2}$ 10 for one individual HAP, 25 for total combined HAPs

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ACRONYMS AND ABBREVIATIONS

(These terms may be seen in the technical support document)

AOMD	Washoe County Air Quality Management Division
bhp	brake horsepower
CARB	California Air Resources Board
CE	control efficiency
CF	control factor
CFR	Code of Federal Regulations
CO	carbon monoxide
DBOH Regula	ations Washoe County District Board of Health Regulations Governing Air
8	Quality Management
DOM	date of manufacture
EF	emission factor
EI	emission increase
EPA	U.S. Environmental Protection Agency
EU	emission unit
g/kW-hr	grams per kilowatt-hour
gr/dscf	grains per dry standard cubic foot
GDO	gasoline dispensing operation
gpm	gallons per minute
HAP	hazardous air pollutant
H_2S	hydrogen sulfide
HHV	high heating value
HVLP	high volume, low pressure
kW	kilowatt
mg/dscm	milligrams per dry standard cubic meter
MMBtu	British thermal units (in millions)
NAICS	North American Industry Classification System
NO _x	nitrogen oxide
Pb	lead
PM _{2.5}	particulate matter less than 2.5 microns in aerodynamic diameter
PM_{10}	particulate matter less than 10 microns in aerodynamic diameter
ppm	parts per million
PSD	Prevention of Significant Deterioration
PTE	potential to emit
RACT	reasonably available control technology
RICE	reciprocating internal combustion engine
SCC	Source Classification Codes
scf	standard cubic feet
SIC	Standard Industrial Classification
SO_2	sulfur dioxide
TSD	Technical Support Document
USGS	U.S. Geological Survey
UTM	Universal Transverse Mercator
VAEL	Voluntarily Accepted Emission Limit
VMT	vehicle miles traveled
VOC	volatile organic compound

I. SOURCE INFORMATION

A. General

Preparer:	Chloe Dodge
Action Received:	Error! Reference source not found.
TSD Date:	5/16/2025
Company:	MA Auto Body Shop
Responsible Official:	Miguel Arias
Consultant:	NA
Permit Number:	AAIR25-0001
Facility Name:	MA Auto Body Shop
Facility Address:	625 Quincy St., Reno, NV 89512

B. Facility Description

MA Auto Body Shop is a facility with surface coating equipment located in Hydrographic Area 087. This source category falls under SIC code 7532, "Top, Body, and Upholstery Repair Shops and Paint Shops" and North American Industrial Classification System (NAICS) code 811121811121, "Automotive Body, Paint, And Interior Repair And Maintenance". This is a minor source of regulated air pollutants. This source will consist of (1) surface coating booth with exhaust filters.

C. Permitting History

- 1. An incomplete application for a PTC was received on February 19, 2025.
- 2. A complete application for a PTC was received on March 11, 2025.
- 3. The technical review was paused on March 20, 2025, due to incomplete information.
- 4. The technical review was resumed on April 2, 2025.
- 5. The draft permit and TSD were sent for review on April 14, 2025.
- 6. This permitting action is for a new minor source operating permit.

D. Permitting Action

This source is a new minor source defined in DBOH Regulation 030 that is submitting this application to undergo an initial DBOH 030 permit evaluation. An applicability determination is performed based on the application.

Table 2 below lists affected or relevant units, including SCC.

EU	Туре	Manufacturer	Model Number	SCC
A.001	Spray Booth	HD Spraybooth, LLC	ADD-142709-10L	

 Table 2: List of Emissions Units

There are no insignificant units or activities present at this source.

II. EMISSIONS INFORMATION

A. Total Source Potential to Emit and Source Applicability

DBOH Regulation 030 permitting applicability is determined by calculating the emissions for all proposed emission units using 8,760 hours of operation and emission factors provided by the manufacturer, source test results, EPA AP-42, or other reputable sources.

Potential to emit for VOC emissions was calculated using the following equation:

PTE of VOCs (ton/yr) = Max. Usage (gal/car) * Max. Capacity (car/day) * 365 day/yr * VOC Content (lb/gal) * VOC Emission Factor (%) * 1 ton/2000 lb

The following assumptions were made based on the US EPA background document "Air Quality Permit by Rule for New or Modified True Minor Source Auto Body Repair and Miscellaneous Surface Coating Operations in Indian County" published March 23, 2015 as a worst-case scenario: max usage of 2 gal/car, max capacity of 3 car/day, VOC content 8.34 lb/gal, and VOC emission factor (EF) of 100%.

Potential to emit for HAP emissions was calculated using the following equations:

HAP EF (%) = VOC content (lb/gal) / HAP content (lb/gal) * 100 PTE of HAPs (ton/yr) = HAP EF (%) * PTE of VOCs (ton/yr)

The highest HAP content of the products was used as a worst-case scenario (5.79 lb/gal). The PTE for HAPs was determined to be 69% of the PTE for VOCs. A lead specific PTE was not individually calculated as this was included in the combined HAPs PTE.

Allowable VOC and HAP emissions were calculated using the chemical information provided by the manufacturer on the Safety Data Sheets (SDSs) and the maximum anticipated throughput for each product. The SDSs indicate an estimated range for VOC and HAP contents, so the highest possible concentration of VOCs and HAPs for each product was assumed as a worst-case scenario. No value higher than 100% was used. Emissions were calculated using the following equations:

EF = density (lb/gal) * VOC or HAP content (%w/w) PTE (lb/hr) = throughput (gal/hr) * EF

VOCs that are exempt per 40 CFR 51.100(s) were not included in the VOC calculations. Density was adjusted for solids (if present) in each product. In the case that the SDS sheet did not have density information, the highest density of all products was chosen to use as a worst-case scenario. The following products did not have density information available, and therefore a density of 12.59 lb/gal was used to determine controlled emissions:

- 175K ChromaBase Basecoat Binder
- 4540K ChromaBase Basecoat Balancer
- 913J MasterTint Hi-Lite Orange Pearl
- 908J MasterTint Moss Green Pearl

- 468-00 SelectClear 2K Urethane Multi-Panel Clear
- 495-01 Ful-Thane Fisheye Eliminator
- 802J MasterTint White L/S

The PTE for DBOH Regulation 030 applicability is shown in Table 3 below.

Pollutant	Major Source Threshold (PSD)	Major Source Threshold (Part 70)	Minor Source Threshold	Source PTE (Uncontrolled)	Allowable Emissions
PM10	250^{3}	100	5	Х	Х
PM _{2.5}	250^{3}	100	5	Х	Х
СО		100	5	Х	Х
VOC		100	5	9.13	0.333
NOx	250^{3}	100	5	Х	Х
SO ₂	250^{3}	100	5	Х	Х
Lead (Pb)		100	0.3	Х	Х
H_2S			5	Х	Х
TRS			5	Х	Х
HAP (combined)		10/254		6.34	0.198

 Table 3: Source Applicability Emissions (tons per year)

DBOH Regulation 030.200 states a source with a PTE for any regulated pollutant equal to or greater than the threshold of 5 tons per year shown in Table 3, will be applicable to the permitting requirements of 030.

This source exceeds the applicability limit for VOCs and is required to obtain an air quality permit as shown in Table 3.

HAP is a regulated air pollutant. The AQMD has determined that the calculated or estimated HAP emissions from this source fall below the DBOH 030.200 permitting threshold. Any NESHAP or MACT requirements applicable to the source will be included in the permit.

B. Product Inventory

The list of products used and their associated HAP and VOC contents are shown below in Table 4.

³ Threshold is 100 tons per year for the 28 listed source categories listed in 40 CFR 51.166(b)

⁴ 10 for one individual HAP, 25 for total combined HAPs

Product ID	Product Name	HAP Content	VOC Content
150K	ChromaBase Basecoat Balancer	75	100
175K	ChromaBase Basecoat Binder	46	76
886J	MasterTint Opaque Red	61	82
890J	MasterTint Yellow Transoxide	36	46
891J	MasterTint Red Transoxide	61	81
882J	MasterTint Yellow Oxide L/S	61	81
881J	MasterTint Yellow Oxide H/S	33	43
422-23	SelectSeal 1K 1K Acrylic Sealer (Gray)	9	38
893J	MasterTint Brown	61	81
885J	MasterTint Transparent Maroon	61	87
884J	MasterTint Red Oxide L/S	36	56
4540K	ChromaBase Basecoat Balancer	45	100
894J	MasterTint Extra Course Aluminum	61	79
913J	MasterTint Hi-Lite Orange Pearl	41	76
908J	MasterTint Moss Green Pearl	41	71
895J	MasterTint Bright Coarse Aluminum	36	55
915J	MasterTint Blue Green Pearl	36	61
979J	MasterTint Alu Orange	36	56
4530S	Centari Mastertint Flop Control Agent	21	84
468-00	SelectClear 2K Urethane Multi-Panel Clear	1	92
465-00	SelectClear High Solids Urethane Clear	15	52
441-05	Kwik Klean Silicone and Wax Remover	10	100
495-01	Ful-Thane Fisheye Eliminator	0	85
441-21	Ful-Base Mid-Temp (Med)	30	90
421-19	2K Urethane Primer (Grey)	33	40
483-03	SelectPrime 2K 2K Urethane Activator	4	89
105	Thinner	100	100
843J	MasterTint Bright Yellow	61	81
844J	Cronar Tints, Balancers, Binders ⁵	70	92
845J	MasterTint Transparent Yellow	67	87
846J	Orange-Yellow Tinting (Lead Free)	61	81
850J	MasterTint Brilliant Red	61	81
853J	MasterTint Red Orange	61	81
858J	MasterTint Deep Maroon	61	81
861J	MasterTint Scarlet	61	92
862J	MasterTint Transparent Red	61	81
864J	MasterTint Magenta	61	81
866J	MasterTint Red Violet	61	81
870J	MasterTint Fast Blue L/S	61	81
878J	MasterTint Alu Gold	36	55
801J	White	26	36

Table 4: Product Inventory

⁵ Cronar Tints, Balancers, Binders (844J) includes a lead chromate (VI) oxide (CrO₅Pb₂) content of 46%.

802J	MasterTint White L/S	41	71
803J	MasterTint Chrystalline Frost	36	46
805J	MasterTint Jet Black	61	81
806J	MasterTint Black H/S	61	81
807J	Black L/S	61	81
808J	MasterTint Graphite Black	56	76
810J	MasterTint Fine Aluminum	61	80
811J	MasterTint Medium Aluminum	36	69
813J	MasterTint Medium Coarse Aluminum	36	59
814J	MasterTint Coarse Aluminum	61	79
818J	MasterTint Brightness Adjuster	26	36
819J	MasterTint Bright Fine Aluminum	36	59
820J	Violet	61	82
821J	MasterTint Blue Violet	61	81
826J	MasterTint Organic Blue	61	81
827J	MasterTint Blue	61	81
828J	MasterTint Fast Blue H/S	61	81
830J	Green	61	81
832J	MasterTint Green	61	81
833J	MasterTint Green Gold	61	91
841J	MasterTint Yellow	61	81
XB383	Standard Thinner	100	100

C. Control Technology/Best Systems of Control Analysis

The table below identifies the PTE thresholds at which a minor source whose PTE equals or exceeds must apply a Best System of Control (BSC) to each regulated minor source pollutant.

	J	
Pollutant	BSC PTE Threshold	Source PTE (Uncontrolled)
\mathbf{PM}_{10}	15	X
PM _{2.5}	10	X
СО	100	X
VOC	20	9.13
NOx	20	Х
SO ₂	40	X
Lead (Pb)	0.6	X
H ₂ S	5	X
TRS	5	X

 Table 5: Best System of Control PTE Thresholds (tons per year)

Pursuant to DBOH 030.200.F.1.f, a new source with a PTE for any regulated pollutant equal to or greater than the thresholds identified in Table 5 must apply a BSC to each minor source pollutant. The PTE of this source does not exceed the BSC thresholds identified in Table 5 and therefore is not subject to the DBOH BSC requirements.

D. Emissions Limits/Allowable Emissions

The following quantities of emissions are the facility's allowable emissions based upon the source's potential to emit, as determined by the physical and operational design of the equipment and any practically enforceable permit conditions that limit the emissions of the source based on use of emissions control equipment, controlled operating rates, hours of operation, or other emissions control methods. The following quantities are used to determine annual permit maintenance fees and are enforceable emissions limits.

- The discharge of volatile organic compounds to the atmosphere shall not exceed 0.333 tons per calendar year.
- The discharge of hazardous air pollutants to the atmosphere shall not exceed 0.198 tons per calendar year.

E. Monitoring

The permittee is required to monitor and keep records for all limitations specified in the permit.

F. Increment

Figure 1 below shows the PSD triggered areas in Washoe County.



Figure 1: Washoe County PSD Triggered Areas

This source does not exist in HA 76, HA 82, HA 83, nor HA 85 and will not be subject to increment consumption tracking.

III. REGULATORY REVIEW

A. Local Regulatory Requirements

This source shall be subject to the Washoe County District Board of Health Regulations Governing Air Quality Management Section 030.

B. Federally Applicable Regulations

As a surface coating operation that utilizes spray coatings containing target HAPs, this facility is subject to 40 CFR 63 Subpart HHHHHH.

IV. COMPLIANCE

A. Compliance Certification

Monitoring, recordkeeping, and reporting requirements will all be included for specified requirements in the permit.

B. Summary of Monitoring for Compliance

The permittee is required to monitor and keep records for all limitations specified in the permit.

V. NAAQS ANALYSIS

The NNPH AQMD does not require modeling for stationary sources to demonstrate NAAQS compliance, and therefore, no modeling was required for this source. Area monitoring throughout Washoe County is used to demonstrate compliance with the NAAQS. **Error! Reference source not found.** below summarizes Washoe County's current design values in comparison to the NAAQS.

NAAQS			Design	nations
Pollutant (Averaging Time)	Level	Design Value	Unclassifiable/ Attainment, or Maintenance	Non-Attainment (classification)
O ₃ (8-hour)	0.070 ppm	0.069 ppm	All HA's	
PM _{2.5} (24-hour)	$35 \ \mu g/m^3$	59 µg/m ³	All HA's	
PM _{2.5} (Annual)	$12.0 \ \mu g/m^3$	9.7 $\mu g/m^3$	All HA's	
PM ₁₀ (24-hour)	$150 \ \mu g/m^3$	4.3 Expected Exceedances	All HA's ⁶	
CO (1-hour)	35 ppm	2.6 ppm	All HA's	
CO (8-hour)	9 ppm	1.8 ppm	All HA's ⁷	
NO ₂ (1-hour)	100 ppb	48 ppb	All HA's	
NO ₂ (Annual Mean)	53 ppb	11 ppb	All HA's	
SO ₂ (1-hour)	75 ppb	3 ppb	All HA's	
Pb (Rolling 3-month average)	$0.15 \ \mu g/m^3$	n/a	All HA's	

 Table 6: Design Values and Attainment Status (as of December 31, 2023)

⁶ Maintenance Area for PM₁₀ (1st 10-year maintenance plan expires January 6, 2026) <u>80 FR 76232</u>

⁷ Maintenance Area for CO (2nd 10 year maintenance plan expires October 31, 2026) 81 FR 59490

VI. PUBLIC PARTICIPATION

As this source is a new minor source that will be located within 1,000 feet of the outer boundary of a school, hospital, or residential area, the AQMD will provide an opportunity for public participation. A copy of the application, draft Permit to Construct, this TSD, and Notice of Public Action (NPA) will be posted to the AQMD website for a 30-day public review period. Persons wishing to comment on this permitting action should refer the comment submission procedure detailed on the NPA.

VII. RECOMMENDED ACTION

The AQMD recommends issuing a minor source Permit to Construct to MA Auto Body Shop for the following emissions units and control devices:

- A.001 – Spray Booth (HD Spraybooth, LLC, M/N: ADD-142709-10L)

05/22/2025

Date

Chloe Dodge

Chloe Dodge, MS Air Quality Specialist Air Quality Management Division Northern Nevada Public Health

05/22/2025

Date

Genine Rosa, MS Senior Air Quality Specialist Air Quality Management Division Northern Nevada Public Health

VIII. ATTACHMENTS

A. Product List – Density, HAP, and VOC Contents

	SDS Files					Content	(%w/w)	
Product ID	Product Name	Density	% solid	Density	/ (adj)	НАР	VOC	VOC Exemptions (40 CFR 51.100(s))
150K	ChromaBase Basecoat Balancer	0.873 g/cm3		7.29	lb/gal	75%	100%	acetone
175K	ChromaBase Basecoat Binder	1.509 g/cm3		12.59	lb/gal	46%	76%	acetone
886J	MasterTint Opaque Red	1.025 g/cm3		8.55	lb/gal	61%	82%	
890J	MasterTint Yellow Transoxide	1.175 g/cm3		9.81	lb/gal	36%	46%	
891J	MasterTint Red Transoxide	1.120 g/cm3		9.35	lb/gal	61%	81%	
882J	MasterTint Yellow Oxide L/S	1.053 g/cm3		8.79	lb/gal	61%	81%	
881J	MasterTint Yellow Oxide H/S	1.400 g/cm3		11.68	lb/gal	33%	43%	
422-23	SelectSeal 1K 1K Acrylic Sealer (Gray)	0.973 g/cm3	4%	7.80	lb/gal	9%	38%	acetone
893J	MasterTint Brown	0.961 g/cm3		8.02	lb/gal	61%	81%	
885J	MasterTint Transparent Maroon	1.041 g/cm3		8.69	lb/gal	61%	87%	
8841	MasterTint Red Oxide L/S	1.044 g/cm3		8.71	lb/gal	36%	56%	
4540K	ChromaBase Basecoat Balancer	1.509 g/cm3		12.59	lb/gal	45%	100%	
8941	MasterTint Extra Course Aluminum	1.118 g/cm3		9.33	lb/gal	61%	79%	
9131	MasterTint Hi-Lite Orange Pearl	1.509 g/cm3	10%	11.33	lb/gal	41%	76%	acetone
9081	MasterTint Moss Green Pearl	1 509 g/cm3	5%	11 96	lb/gal	41%	71%	methyl acetate
8951	MasterTint Bright Coarse Aluminum	1 113 g/cm3	5/0	9.29	lb/gal	36%	55%	
9151	MasterTint Blue Green Pearl	1.009 g/cm3	5%	8.00	lb/gal	36%	61%	methyl acetate
9791	MasterTint Alu Orange	1.009 g/cm3	570	9.00	lb/gal	36%	56%	
45305	Centari Mastertint Flon Control Agent	0.968 g/cm3		8.08	lb/gal	21%	84%	
468-00	SelectClear 2K Urethane Multi-Panel Clear	1 509 g/cm3		12 59	lb/gal	1%	92%	acetone
465-00	Select Clear High Solids Urothane Clear	0.971 g/cm2		9 10	lb/gal	15%	52%	acetone
403-00	Kwik Kloan Silicone and Wax Remover	0.371 g/cm3		6.10	lb/gal	10%	100%	acetone
441-05	Ful-Thang Fishovo Eliminator	1.500 g/cm2		12 50	lb/gal	10%	25%	
495-01	Ful Pace Mid Tomp (Med)	0.806 g/cm3		6 73	lb/gal	20%	0.0%	acatana
441-21	2K Lisethana Brimer (Crail)	0.800 g/cm3	110/	10.75	ID/gal	20%	90%	acetone
421-19	Select Drime 2K 2K Urethane Activister	1.419 g/cm3	1170	10.59	ID/gdi	33%	40%	
465-05	Thisper	1.204 g/cm3		10.05	ID/gdi	470	100%	a cata na
105	Initiner	0.813 g/cm3	10/	0.78	ib/gai	100%	100%	acetone
843J	Master Lint Bright Yellow	1.022 g/cm3	1%	8.44	lb/gal	61%	81%	
844J	Cronar Tints, Balancers, Binders	- g/cm3		3.90	ib/gai	/0%	92%	
845J	Master Int Transparent Yellow	0.952 g/cm3	10/	7.94	ib/gai	6/%	8/%	
846J	Orange-Yellow Linting (Lead Free)	1.048 g/cm3	1%	8.66	ib/gai	61%	81%	
8501	Master Lint Brilliant Red	1.014 g/cm3	0.3%	8.44	ib/gai	61%	81%	
851J	3M Scotch	g/cm3		0.00	lb/gal			DISCONTINUED
853J	Master I int Red Orange	1.035 g/cm3		8.64	lb/gal	61%	81%	
858J	Master I int Deep Maroon	0.991 g/cm3		8.27	lb/gal	61%	81%	
861J	Master I int Scarlet	0.974 g/cm3		8.13	lb/gal	61%	92%	
862J	Masterlint Transparent Red	0.967 g/cm3		8.07	lb/gal	61%	81%	
864J	Masterlint Magenta	0.973 g/cm3		8.12	lb/gal	61%	81%	
866J	Master I int Red Violet	0.996 g/cm3		8.31	ib/gai	61%	81%	
870J	MasterTint Fast Blue L/S	0.99 g/cm3		8.26	lb/gal	61%	81%	
8781	Master Lint Alu Gold	1.089 g/cm3		9.09	ib/gai	36%	55%	
801J	White	1.509 g/cm3	50%	6.30	lb/gal	26%	36%	
802J	Master I int White L/S	1.509 g/cm3	5%	11.96	lb/gal	41%	/1%	
803J	MasterTint Chrystalline Frost	1.33 g/cm3	50%	5.55	lb/gal	36%	46%	
8051	Masterlint Jet Black	0.995 g/cm3	5%	7.89	lb/gal	61%	81%	
806J	MasterTint Black H/S	0.992 g/cm3	8%	7.62	lb/gal	61%	81%	
807J	Black L/S	0.981 g/cm3	0.3%	8.16	lb/gal	61%	81%	
808J	MasterTint Graphite Black	1.05 g/cm3		8.76	lb/gal	56%	76%	
810J	MasterTint Fine Aluminum	1.046 g/cm3		8.73	lb/gal	61%	80%	
811J	MasterTint Medium Aluminum	1.105 g/cm3		9.22	lb/gal	36%	69%	
813J	MasterTint Medium Coarse Aluminum	1.068 g/cm3		8.91	lb/gal	36%	59%	
814J	MasterTint Coarse Aluminum	1.099 g/cm3		9.17	lb/gal	61%	79%	
818J	MasterTint Brightness Adjuster	1.383 g/cm3		11.54	lb/gal	26%	36%	
819J	MasterTint Bright Fine Aluminum	1.111 g/cm3		9.27	lb/gal	36%	59%	
820J	Violet	0.958 g/cm3		7.99	lb/gal	61%	82%	
821J	MasterTint Blue Violet	0.97 g/cm3		8.10	lb/gal	61%	81%	
826J	MasterTint Organic Blue	0.962 g/cm3		8.03	lb/gal	61%	81%	
827J	MasterTint Blue	0.955 g/cm3		7.97	lb/gal	61%	81%	
828J	MasterTint Fast Blue H/S	0.975 g/cm3		8.14	lb/gal	61%	81%	
830J	Green	0.994 g/cm3		8.30	lb/gal	61%	81%	
832J	MasterTint Green	1.028 g/cm3		8.58	lb/gal	61%	81%	
833J	MasterTint Green Gold	0.964 g/cm3		8.04	lb/gal	61%	91%	
841J	MasterTint Yellow	1.037 g/cm3	1%	8.57	lb/gal	61%	81%	
842		g/cm3		0.00	lb/gal			DISCONTINUED
XB383	Standard Thinner	0.864 g/cm4		7.21	lb/gal	100%	100%	

	Const	tants	Potentia Emissi	l to Emit on Rate		
8.34	lb/gal	3	car/day	lb/hr	tpy	
100%	VOC EF	2	gal/car	2.09	9.13	VOC
69%	HAP EF	2000	lb/ton	1.45	6.34	HAP

B. Uncontrolled Potential to Emit& Emissions Inventory

Emissions In	ventory			Perr	nit Number:	AAIR25-00	01						Date:	Monday, N	Iarch 17, 20	25	
Company:	MA Auto Body Shop	Facility UTM Coordinates: 39.535311, -119.799882 Application Type: Minor Source Permit to Cons											Construct	(New Source			
Facility:	MA Auto Body Shop																
Address:	625 Quincy St. Reno, NV 89512																
Saudam II	System Name	PM		PM10		PM2.5		SO2		NOX		CO		VOC		HAP	
System #		lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
А	Surface Coating (40 CFR Part 63 Subpart HHHHHH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	9.13	1.45	6.34
Insignificant	Activities - NA																
Facility Wide	PTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	9.13	1.45	6.34
Change																	

C. Allowable Emissions

Throughput			Controls		Emission			Potential to Emit Emission Rate		Pern Emissi	nitted on Rate		
	•••							Factor		Hourly	Annual	Hourly	Annual
Product ID	Product Name	Hour	Annual	Units	Technology	Efficiency	Pollutant	Factor	Unit	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)
										• • • • • • • • • • • • • • • • • • • •			
1507	Charles David Data	4.675.04	4.00				VOC	7.29				3.33E-03	1.46E-02
IJUK	ChromaBase Basecoat Balancer	4.37E-04	4.00				total HAP	5.46		calculated at	oove facility-	2.50E-03	1.09E-02
175K	ChromaBase Basecoat Binder	3 42E 04	3.00				VOC	9.57		wide rather that	an individually	3.28E-03	1.44E-02
175K	Chioliadase dasecoar bilder	5.422-04	5.00				total HAP	5.79				1.98E-03	8.69E-03
8861	MasterTint Onaque Red	2.85E-05	0.25				VOC	7.01				2.00E-04	8.77E-04
	master rint opaque reco	2.052.05					total HAP	5.22				1.49E-04	6.52E-04
890J	MasterTint Yellow Transoxide	2.85E-05	0.25				VOC	4.51				1.29E-04	5.64E-04
							total HAP	3.53				1.01E-04	4.41E-04
891J	MasterTint Red Transoxide	2.85E-05	0.25				VOC	7.57				2.16E-04	9.46E-04
							total HAP	5.70				1.63E-04	7.13E-04
882J	MasterTint Yellow Oxide L/S	2.85E-05	0.25				VOC	7.12				2.03E-04	8.90E-04
							total HAP	5.02				1.53E-04	6.70E-04
881J	MasterTint Yellow Oxide H/S	2.85E-05	0.25				VOC	3.02				1.45E-04	0.28E-04
							VOC	2.06				1.10E-04	4.82E-04
422-23	SelectSeal 1K 1K Acrylic Sealer (Gray)	4.57E-04	4.00				total HAP	0.70				3 20E-04	1.40E-03
							VOC	6.50				1.85E-04	8 12E-04
893J	MasterTint Brown	2.85E-05	0.25				total HAP	4.89				1.05E-04	6.12E-04
							VOC	7.56				2.16E-04	9.45E-04
885J	MasterTint Transparent Maroon	2.85E-05	0.25				total HAP	5.30				1.51E-04	6.62E-04
							VOC	4.88				1.39E-04	6.10E-04
884J	MasterTint Red Oxide L/S	2.85E-05	0.25				total HAP	3.14				8.95E-05	3.92E-04
45 4012	Charama Dava Dava and Dalaman	5 717 05	0.50				VOC	12.59	11-/1			7.19E-04	3.15E-03
4340K	ChromaBase Basecoat Balancer	5./IE-05	0.50	galions			total HAP	5.67	10/gai			3.23E-04	1.42E-03
804T	MasterTint Extra Course Aluminum	9.56E.05	0.75				VOC	7.35				6.29E-04	2.76E-03
6943	Master I int Exita Course Aluminum	8.30E-03	0.75				total HAP	5.69				4.87E-04	2.13E-03
9131	MasterTint Hill ite Orange Pearl	2.85E-05	0.25				VOC	8.61				2.46E-04	1.08E-03
	Master Int In-Lite Orange Fear	2.052-05	0.25				total HAP	4.65				1.33E-04	5.81E-04
9081	MasterTint Moss Green Pearl	2.85E-05	0.25				VOC	8.49				2.42E-04	1.06E-03
	Master Fint Moss Oreen Fear	2.052-05	0.20				total HAP	4.91				1.40E-04	6.13E-04
895J	MasterTint Bright Coarse Aluminum	8.56E-05	0.75				VOC	5.11				4.37E-04	1.92E-03
							total HAP	3.34				2.86E-04	1.25E-03
915J	MasterTint Blue Green Pearl	2.85E-05	0.25				VOC	4.88				1.39E-04	6.10E-04
							total HAP	2.88				8.22E-05	3.60E-04
979J	MasterTint Alu Orange	2.85E-05	0.25				VOC	3.00				1.44E-04	0.55E-04
							VOC	5.27				9.54E-05	4.09E-04
4530S	Centari Mastertint Flop Control Agent	1.43E-04	1.25				total HAP	1.70				2.42E-04	4.24E-03
							VOC	11.50				1.06E-02	4.63E-02
468-00	SelectClear 2K Urethane Multi-Panel Clear	9.13E-04	8.00				total HAP	0.13				1 15E-04	5.04E-04
							VOC	4.21				1.92E-03	8.41E-03
465-00	SelectClear High Solids Urethane Clear	4.57E-04	4.00				total HAP	1.21				5.51E-04	2.41E-03
441.05	Varia Vices Cilicens es 4 West D	2.205.04	2.00				VOC	6.47				1.48E-03	6.47E-03
441-00	wik Klean Shicone and Wax Kemover	2.28E-04	2.00				total HAP	0.67				1.52E-04	6.66E-04
405.01	Ful Thana Fishava Eliminator	5.71E.05	0.50				VOC	10.70				6.11E-04	2.68E-03
490-01	w-mane maneye Emmador	5.7112-05	0.50				total HAP	0.00				0.00E+00	0.00E+00

Allowable Emissions Cont.

Throughput					Controls			Emission		Potential to Emit Emission Rate		Pern Emissi	nitted on Rate
	Intoughput							Factor		Hourly	Annual	Hourly	Annual
Product ID	Product Name	Hour	Annual	Units	Technology	Efficiency	Pollutant	Factor	Unit	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)
441.21		1 405 02	12.00				VOC	6.07		(00.00)	(;-)	9.01E-03	3.95E-02
441-21	Ful-Base Mid-Temp (Med)	1.48E-03	13.00				total HAP	2.04				3.02E-03	1.32E-02
421.10	2K Urathana Brimar (Gray)	3 42E 04	2.00				VOC	4.26				1.46E-03	6.38E-03
421-19	2K Ofemale Philler (Oley)	3.42E-04	3.00				total HAP	3.49				1.20E-03	5.24E-03
483-03	SelectPrime 2K 2K Urethane Activator	3 42E-04	3.00				VOC	8.94				3.06E-03	1.34E-02
		5.122 01					total HAP	0.40				1.38E-04	6.03E-04
105	Thinner	2.51E-03	22.00				VOC	6.78				1.70E-02	7.46E-02
							total HAP	6.78				1.70E-02	7.46E-02
843J	MasterTint Bright Yellow	2.85E-05	0.25				total HAR	5.15				1.95E-04	6.33E-04
							VOC	3.60				1.47E-04	4 49F-04
844J	Cronar Tints, Balancers, Binders	2.85E-05	0.25				total HAP	2.73				7.79E-05	3.41E-04
							VOC	6.91				1.97E-04	8.64E-04
845J	MasterTint Transparent Yellow	2.85E-05	0.25				total HAP	5.32				1.52E-04	6.65E-04
0467	0 X4 T (1 1)	2.055.05	0.25				VOC	7.01				2.00E-04	8.77E-04
840J	Orange-Yellow Tinting (Lead Free)	2.85E-05	0.25				total HAP	5.28				1.51E-04	6.60E-04
850T	MasterTint Brilliant Pod	2.85E.05	0.25				VOC	6.83				1.95E-04	8.54E-04
8505	Master i int Brittant Red	2.85E-05	0.25				total HAP	5.15				1.47E-04	6.43E-04
853J	MasterTint Red Orange	2.85E-05	0.25				VOC	7.00				2.00E-04	8.75E-04
							total HAP	5.27				1.50E-04	6.59E-04
858J	MasterTint Deep Maroon	2.85E-05	0.25				VOC	7.00				2.00E-04	8.75E-04
	-						total HAP	5.04				1.44E-04	6.31E-04
861J	MasterTint Scarlet	2.85E-05	0.25	gallons			VOC	/.48	lb/gal			2.13E-04	9.30E-04 6.20E-04
							VOC	4.90				3.74E.04	1.64E.03
862J	MasterTint Transparent Red	5.71E-05	0.50				total HAP	4.92				2.81E-04	1.04E-03
							VOC	6.58				3.75E-04	1.64E-03
864J	MasterTint Magenta	5.71E-05	0.50				total HAP	4.95				2.83E-04	1.24E-03
0661	Manta Pint Dad Winter	2.055.05	0.35				VOC	6.73				1.92E-04	8.42E-04
8001	Master 1 int Red Violet	2.83E-03	0.25				total HAP	5.07				1.45E-04	6.34E-04
8701	MasterTint Fast Blue I /S	2.85E-05	0.25				VOC	6.69				1.91E-04	8.37E-04
8703	Master Thit I as Dide L/5	2.002-00	0.25				total HAP	5.04				1.44E-04	6.30E-04
878J	MasterTint Alu Gold	2.85E-05	0.25				VOC	5.03				1.44E-04	6.29E-04
							total HAP	3.27				9.34E-05	4.09E-04
801J	White	1.71E-04	1.50				VOC	2.27				3.88E-04	1.70E-03
							total HAP	1.04				2.80E-04	1.23E-03
802J	MasterTint White L/S	8.56E-05	0.75				total HAP	4.01				1.27E-04	1.84E-03
							VOC	2.55				2 19E-04	9.57E-04
803J	MasterTint Chrystalline Frost	8.56E-05	0.75				total HAP	2.00				1.71E-04	7.49E-04
							VOC	6.39				7.29E-04	3.19E-03
805J	MasterTint Jet Black	1.14E-04	1.00				total HAP	4.81				5.49E-04	2.41E-03
8061	MasterTint Black U/S	5 71E 05	0.50				VOC	6.17				3.52E-04	1.54E-03
8003	Master I mt Diack H/S	J./IE-03	0.50				total HAP	4.65				2.65E-04	1.16E-03
807J	Black L/S	571E-05	0.50				VOC	6.61				3.77E-04	1.65E-03
		512 35	0.00				total HAP	4.98				2.84E-04	1.24E-03

Allowable Emissions Cont.

Throughput				Controls			Emission		Potential to Emit		Permitted Emission Rate			
	Inroughput				Con	trois		Factor		Hourly	Annual	Hourly	Annual	
Product ID	Product Name	Hour	Annual	Units	Technology	Efficiency	Pollutant	Factor	Unit	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	
		2.0077.00		- mits		2	VOC	6.66		(10/11)	((()))	1.90E-04	8.32E-04	
8081	MasterTint Graphite Black	2.85E-05	0.25				total HAP	4.91				1.40E-04	6.13E-04	
810T	MasterTint Fine Aluminum	5 71E 05	0.50				VOC	6.99	-			3.99E-04	1.75E-03	
8105	Master I int File Althinith	5.71E-05	0.50				total HAP	5.32	_			3.04E-04	1.33E-03	
811	MasterTint Medium Aluminum	5.71E-05	0.50				VOC	6.36				3.63E-04	1.59E-03	
		5.712-05	0.50				total HAP	3.32	-			1.89E-04	8.30E-04	
813	MasterTint Medium Coarse Aluminum	5 71E-05	0.50				VOC	5.25				3.00E-04	1.31E-03	
							total HAP	3.21	_			1.83E-04	8.02E-04	
814	MasterTint Coarse Aluminum	5.71E-05	0.50				VOC	7.23				4.13E-04	1.81E-03	
							total HAP	5.59	-			3.19E-04	1.40E-03	
818	MasterTint Brightness Adjuster	2.85E-05	0.25				VOC	4.10				1.19E-04	5.19E-04	
							total HAP	5.00	-			8.30E-03	3.73E-04	
819	MasterTint Bright Fine Aluminum	5.71E-05	0.50				total HAP	2.24				3.12E-04	0.3/E-03	
							VOC	6.56	-			1.91E-04	8 10E 04	
820	Violet	2.85E-05	0.25				total HAP	4.88				1.37E-04	6 10F-04	
							VOC	6.56	-			1.87E-04	8 20E-04	
821	MasterTint Blue Violet	2.85E-05	0.25	gallons	gallons			total HAP	4 94	lb/gal			1 41E-04	617E-04
							VOC	6.50	-			1.86E-04	8.13E-04	
826	MasterTint Organic Blue	2.85E-05	0.25				total HAP	4.90				1.40E-04	6.12E-04	
007		6.717.05	0.50				VOC	6.46	-			3.68E-04	1.61E-03	
827	Master 1 int Blue	5./IE-05	0.50				total HAP	4.86				2.77E-04	1.22E-03	
020	MasterTint Fast Dive U/C	5 71E 05	0.50				VOC	6.59	-			3.76E-04	1.65E-03	
828	Master 1 mt Fast Bitte H/S	5.71E-05	0.50				total HAP	4.96	_			2.83E-04	1.24E-03	
830	Green	2.85E.05	0.25				VOC	6.72	-			1.92E-04	8.40E-04	
850	Gleen	2.6512-05	0.25				total HAP	5.06	_			1.44E-04	6.33E-04	
832	MasterTint Green	2.85E-05	0.25				VOC	6.95				1.98E-04	8.69E-04	
	Master The Orech	2.052-05	0.25				total HAP	5.23	-			1.49E-04	6.54E-04	
833	MasterTint Green Gold	2.85E-05	0.25				VOC	7.32				2.09E-04	9.15E-04	
							total HAP	4.91	-			1.40E-04	6.13E-04	
841	MasterTint Yellow	2.85E-05	0.25				VOC	6.94				1.98E-04	8.67E-04	
							total HAP	5.23	-			1.49E-04	6.53E-04	
XB383	Standard Thinner	1.14E-03	10.00				VOC	7.21				8.23E-03	3.61E-02	
							total HAP	7.21				6.23E-03	5.01E-02	
										Potentia	l to Emit	Perm	nitted	
										Emissi	on Rate	Emissi	on Rate	
										Hourly	Annual	Hourly	Annual	
										(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	
									VOC	2.09	9.13	0.076	0.333	
									HAP	1.45	6.34	0.045	0.198	