

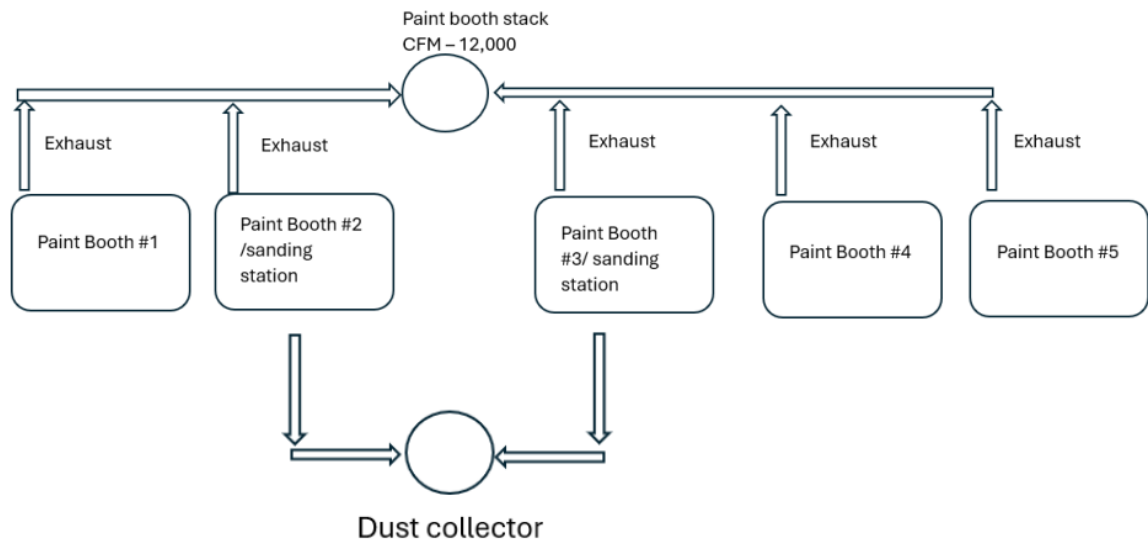


AECOM  
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Fort Collins, CO 80525  
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**Date**  
March 6, 2025

**Subject: Auto Refinishing PBR**

The CarMax #4026 facility in Midlothian, TX, located at 4100 Power Way in Ellis County, serves as a vehicle reconditioning center. It features five fully enclosed spray booths within the service building and operates Monday through Friday for 12 hours each day. The spray booths are equipped with GFS Wave filters on the exhaust to meet the PM control efficiency specified in 30 TAC 106.436. All coatings are applied using HVLP spray guns within the enclosed paint booths, which are fitted with gas-fired heaters under 5 MMBtu/hr. The exhaust from these booths is directed through a shared stack, complying with the requirements of 30 TAC 106.436(11)(A-C).



CarMax Auto Superstores, Inc  
 Midlothian, TX  
 Non Title-V Application

<b>Pollutant</b>	<b>Coating Application/</b>		
	<b>Cleanup Emissions (lbs/yr)</b>	<b>Combustion Emissions (lbs/yr)</b>	<b>Total Emissions (lbs/yr)</b>
Carbon Monoxide (CO)	-	3,924.05	3924.05
Oxides of Nitrogen (NOx)	-	6,801.69	6801.69
Oxides of Sulfur (SOx)	-	26.16	26.16
Particulates of 2.5 microns or smaller (PM2.5)	5.17	366.24	371.41
Particulates of 10 microns or smaller (PM10)	5.17	366.24	371.41
Total suspended particulates (TSP), including PM10	5.17	366.24	371.41
Volatile organic compounds (VOC)	2571.92	523.21	3095.13
Hazardous Air Pollutants (HAPs)	247.79	-	247.79

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Refinishing Emissions

Transfer Efficiency (manufacturer's information) 65%  
Control Efficiency (manufacturer's guarantee) 99.8%

	Category	VOC				PM/PM10				HAPs (lb/gal)							
		Gallon Weight (lb)	Total Product (gal)	VOC AP (lb/gal)	Emissions (lb)	Weight Percent Solids	Solid Content (lb/gal)	Transfer Eff (%)	Cont Eff (%)	Emissions (lb)	Toluene (lb/gal)	ETHYLBENZENE (lb/gal)	XYLENE (lb/gal)	1,6-HEXAMETHYLENE DIISOCYANATE (lb/gal)	2-butyoxyethyl acetate (lb/gal)	METHYL ISOBUTYL KETONE (lb/gal)	Emissions (lb)
Waterborne - CroMax Pro - Basecoat Binder I	Basecoat	8.47	242.27	0.5	121.14	23.09	1.96	65%	99.8%	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Basecoat Binder II	Basecoat	8.42	41.61	0.3	12.48	14.33	1.21	65%	99.8%	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Basecoat Viscosity Binder	Basecoat	8.47	114.66	0.6	68.80	23.3	1.97	65%	99.8%	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Basecoat Contoller-Standard Edition	Basecoat	8.41	88.77	0.5	44.39	17.3	1.45	65%	99.8%	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Contoller Low Humidity	Basecoat	8.49	80.45	0.6	48.27	17.32	1.47	65%	99.8%	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Blender	Basecoat	8.41	73.05	0.4	29.22	17.13	1.44	65%	99.8%	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE1003S, Quart, Productive Clear Activator, 60-70F, Low VOC	Clearcoat	9.55	32	1.0	32.00	60.77	5.74	65%	99.8%	0.13	0.0	0.1	0.2	0.0	0.0	0.0	10.26
LE1005S, Quart, Productive Clear Activator, 70-85F, Low VOC	Clearcoat	9.56	120.72	1.0	120.72	60.74	5.73	65%	99.8%	0.48	0.0	0.1	0.2	0.0	0.0	0.0	33.73
LE1007S, Quart, Productive Clear Activator, 85-100F, Low VOC	Clearcoat	9.75	62.98	1.0	62.98	60.7	5.71	65%	99.8%	0.25	0.0	0.1	0.2	0.0	0.0	0.0	16.42
LE1075S, Gallon, Productive Clear Reducer, Low VOC	Clearcoat	11.11	229	0.1	22.90	0.5	0.06	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE1179S, Quart, Snap Dry Activator, 70-80F, Low VOC	Clearcoat	10.01	5	0.9	4.50	44.63	4.47	65%	99.8%	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE1175S, Quart, 70-80F Activator for LE1500S	Clearcoat	10.02	18.75	0.9	16.88	40.08	4.02	65%	99.8%	0.05	0.0	0.1	0.2	0.0	0.0	0.0	4.33
LE1189S, Quart, Snap Dry Activator, 80-90F, Low VOC	Clearcoat	10.11	5	1.0	5.00	43.59	4.35	65%	99.8%	0.02	0.0	0.0	0.0	0.4	0.0	0.0	2.22
LE1185S, Quart, 80-90F Activator for LE1500S	Clearcoat	10.01	13.25	0.9	11.93	40.13	4.02	65%	99.8%	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE1195S, Quart, 90-100F Activator for LE1500S	Clearcoat	10.14	3	0.9	2.70	40.61	4.08	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE1500S, Gallon, Low VOC Multi-Panel Clear Coat	Clearcoat	8.41	84	1.3	109.20	42.54	3.58	65%	99.8%	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE5400S, Gallon, Snap Dry Clear, Low VOC	Clearcoat	8.79	18	1.0	18.00	33.1	2.91	65%	99.8%	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE8300S, Gallon, Productive Clear, Low VOC	Clearcoat	8.78	639	1.6	1022.40	48.72	4.2	65%	99.8%	1.88	0.0	0.0	0.0	0.0	0.0	0.0	0.00
10002S Chromasystem Clean Maroon	Clearcoat	8.4	2.75	1.3	3.58	42.5	7.8	65%	99.8%	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00
10002S Chroma System Midcoat-Clean Maroon	Clearcoat	8.3	2.75	1.3	3.58	41.9	3.48	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.06
30S Low VOC Plastic Adhesion Promoter	Plastic Repair	9.6	8	2.2	17.60	21.2	2.3	65%	99.8%	0.01	0.0	0.0	0.07	0.2	0.0	0.0	2.25
UVA Primer-Surfacer, Aerosol Can	Primer	7.6	8.82	3.1	27.34	37.18	2.83	65%	99.8%	0.02	0.0	0.1	0.3	0.0	0.0	0.0	2.65
LE3004S 01, Gallon, Low VOC 2K Primer	Primer	9.88	4	0.6	2.40	30.44	3.01	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE3010S, Gallon, White, Low VOC 2K Sealer	Primer	12.44	11	0.6	6.60	56.38	5.01	65%	99.8%	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE3040S, Gallon, Gray, Low VOC 2K Sealer	Primer	11.99	4	0.7	2.80	33.98	3.35	65%	99.8%	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE3070S, Gallon, Dark Gray, Low VOC 2K Sealer	Primer	11.46	5	0.7	3.50	52.43	6.01	65%	99.8%	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00
LE3075S, Qt, Activator for LE Sealers & LE Primers	Primer	9.85	8.5	0.6	5.10	23.63	2.29	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	5.18
LE3095S, Qt, Activator for LE Sealers & Primers, Warm Temp	Primer	9.75	3	0.5	1.50	26.52	2.66	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	1.50
LE3130S, Qt, Premier UV-Primer-Surfacer	Primer	9.61	123.72	1.4	173.21	63.76	6.13	65%	99.8%	0.53	1.0	0.1	0.3	0.0	0.0	0.0	167.19
2363S Cromax Matting Agent	Primer	9.8	1.25	1.2	1.50	39	3.81	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
40A SC 1EA 1K PRIMER SURFACER DARK GRAY	Primer	6.6	14.28	4.0	57.12	11.2	0.74	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
410A SC 1EA 1K PRIMER SURFACER LIGHT GRAY	Primer	6.7	17.55	4.0	70.20	11.7	0.78	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - White LS, 1 Liter	WB Color	8.92	1.06	0.5	0.53	21.84	1.95	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Crystalline Frost, 0.5 Liter	WB Color	8.67	1.59	0.8	1.27	25.13	2.43	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
WB05 - Waterborne, Jet Black, Liter [Replaces WB9900]	WB Color	8.54	1.85	0.0	0.00	16.14	1.38	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Black HS, 1 Liter	WB Color	8.44	91.94	0.1	9.19	5.81	0.49	65%	99.8%	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Black LS, 0.5 Liter	WB Color	8.4	2.51	0.3	0.75	11.87	1.1	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - White Pearl, 0.5 Liter	WB Color	8.77	6.47	1.1	7.12	26.18	2.3	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Sat White Pearl, 0.5 Liter	WB Color	8.81	2.25	1.2	2.70	27.25	2.4	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Blue Pearl, 0.5 Liter	WB Color	8.8	8.59	1.2	10.31	2658	2.34	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Sat Blue Pearl, 0.5 Liter	WB Color	8.84	0.92	1.2	1.10	27.61	2.44	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Lilac Pearl, 0.5 Liter	WB Color	8.79	1.72	1.1	1.89	25.75	2.26	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Bluegreen Pearl, 0.5 Liter	WB Color	8.81	0.4	1.2	0.48	26.91	2.37	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Green Pearl, 0.5 Liter	WB Color	8.83	0.79	1.2	0.95	27.4	2.42	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Gold Pearl, 0.5 Liter	WB Color	8.82	2.25	1.2	2.70	27.83	2.45	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Copper Pearl, 0.5 Liter	WB Color	8.83	0.66	1.2	0.79	27.61	2.44	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Red Pearl, 0.5 Liter	WB Color	8.83	6.08	1.2	7.30	27.85	2.44	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Sat Red Pearl, 0.5 Liter	WB Color	8.9	0.92	1.2	1.10	28.22	2.51	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Red Pearl, 0.5 Liter	WB Color	8.83	1.45	1.2	1.74	27.51	2.43	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Crys Silver Efx, 0.5 Liter	WB Color	8.87	8.45	1.2	10.14	27.31	2.42	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Galaxy Blue Efx, 0.5 Liter	WB Color	8.89	4.36	1.3	5.67	29.05	2.58	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Steel Green Efx, 0.5 Liter	WB Color	8.88	0.66	1.2	0.79	27.99	2.49	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Sunb Gold Efx, 0.5 Liter	WB Color	8.85	1.32	1.2	1.58	26.77	2.37	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Radiant Red Efx, 0.5 Liter	WB Color	8.89	4.62	1.2	5.54	27.67	2.46	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Fire Copper Efx, 0.5 Liter	WB Color	8.9	0.4	1.2	0.48	28.17	2.51	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Super Fine Alum, 0.5 Liter	WB Color	8.52	2.11	0.8	1.69	14.15	1.21	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Med Fine Alum, 1 Liter	WB Color	8.5	2.64	1.6	4.22	20.16	1.71	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Fine Bright Alu, 1 Liter	WB Color	8.53	17.17	1.6	27.47	19.99	1.71	65%	99.8%	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Fine Aluminum, 1 Liter	WB Color	8.59	0.53	1.6	0.85	19.35	1.66	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Coarse Bright Alu, 1 Liter	WB Color	8.55	27.74	1.4	38.84	22.24	1.9	65%	99.8%	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Med Coarse Alu, 1 Liter	WB Color	8.54	2.91	1.4	4.07	21.41	1.83	65%	99.8%	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Coarse Aluminum, 1 Liter	WB Color	8.61	5.02	1.3	6.53	21.7	1.87	65%	99.8%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Waterborne - CroMax Pro - Very Coarse Alu, 1 Liter	WB Color	8.57	5.55	1.2	6.66	21.91	1.88	65%	99.8%	0.01	0.0	0.0	0.0				

CarMax Auto Superstores, Inc  
 Midlothian, TX  
 Non Title-V Application

Projected Actual Coating/Cleaner Usage

Description	Category	Item Number	SDS#	UOM	VOC LE (lb/gal)	VOC AP (lb/gal)	Application Method	Gallon Weight (lb)	Weight Percent Solids	Solid Content (lb/gal)	Total Product (gal)
Waterborne - CroMax Pro - Basecoat Binder I	Basecoat	WB2010	26	0.5 L	4.4	0.5	HLVP	8.47	23.09	1.96	242.27
Waterborne - CroMax Pro - Basecoat Binder II	Basecoat	WB2020	26	0.5 L	4.4	0.3	HLVP	8.42	14.33	1.21	41.61
Waterborne - CroMax Pro - Basecoat Viscosity Binder	Basecoat	WB2030	26	0.5 L	4.4	0.6	HLVP	8.47	23.3	1.97	114.66
Waterborne - CroMax Pro - Basecoat Controller-Standard Edition	Basecoat	WB2040	26	0.5 L	4.4	0.5	HLVP	8.41	17.3	1.45	88.77
Waterborne - CroMax Pro - Controller Low Humidity	Basecoat	WB2045	SDS	0.5 L	4.4	0.6	HLVP	8.49	17.32	1.47	80.45
Waterborne - CroMax Pro - Blender	Basecoat	WB2091	SDS	0.5 L	4.4	0.4	HLVP	8.41	17.13	1.44	73.05
766A SC1EA 1K TRIM BLACK SATIN	Basecoat	766A	SDS	CAN	6.2	4.1	HLVP	6.5	2.2	0.14	11.54
DuPont Thinner & Gun Cleaner, Low VOC, 5 Gallon	Cleaner	107C	3	5 gallon	6.2	0.2	-	6.6	0	0	1050
Acetone from DuPont, prev. 441-61, LAR, CIP, Gallon	Cleaner	130	3	Gallon	0	0	-	0	0	0	395
ChromaClear - Blender/Premier, Gallon	Clearcoat	193310S	27	Gallon	6.9	6.8	HLVP	7.32	6.01	0.44	1
LE1003S, Quart, Productive Clear Activator, 60-70F, Low VOC	Clearcoat	LE1003S	24	Quart	1.4	1.0	HLVP	9.44	60.77	5.74	31.99
LE1005S, Quart, Productive Clear Activator, 70-85F, Low VOC	Clearcoat	LE1005S	24	Quart	1.4	1.0	HLVP	9.44	60.74	5.73	120.72
LE1007S, Quart, Productive Clear Activator, 85-100F, Low VOC	Clearcoat	LE1007S	24	Quart	1.4	1.0	HLVP	9.4	60.7	5.71	62.98
LE1075S, Gallon, Productive Clear Reducer, Low VOC	Clearcoat	LE1075S	24	Gallon	4.1	0.1	HLVP	11.11	0.5	0.06	229
LE1170S, Quart, Snap Dry Activator, 70-80F, Low VOC	Clearcoat	LE1170S	24	Quart	1.6	0.9	HLVP	10.01	44.63	4.47	5
LE1175S, Quart, 70-80F Activator for LE5100S	Clearcoat	LE1175S	24	Quart	1.7	0.9	HLVP	10.02	40.08	4.02	18.75
LE1180S, Quart, Snap Dry Activator, 80-90F, Low VOC	Clearcoat	LE1180S	24	Quart	1.7	1.0	HLVP	9.99	43.59	4.35	5
LE1185S, Quart, 80-90F Activator for LE5100S	Clearcoat	LE1185S	24	Quart	1.6	0.9	HLVP	10.01	40.13	4.02	13.25
LE1195S, Quart, 90-100F Activator for LE5100S	Clearcoat	LE1195S	24	Quart	1.6	0.9	HLVP	10.04	40.61	4.08	3
LE5100S, Gallon, Low VOC Multi-Panel Clear Coat	Clearcoat	LE5100S	24	Gallon	2.2	1.3	HLVP	8.41	42.54	3.58	84
LE5400S, Gallon, Snap Dry Clear, Low VOC	Clearcoat	LE5400S	24	Gallon	2.2	1.0	HLVP	8.78	33.1	2.91	18
LE8300S, Gallon, Productive Clear, Low VOC	Clearcoat	LE8300S	24	Gallon	2.3	1.6	HLVP	8.62	48.72	4.2	639
10002S Chromasystem Clean Maroon	Clearcoat	10002S	SDS	Quart	2.2	1.3	HLVP	8.4	42.5	7.8	2.75
10002S Chroma System Midcoat-Clean Maroon	Clearcoat	10002S	SDS	Quart	2.3	1.3	HLVP	8.3	41.9	3.48	2.75
305 Low VOC Plastic Adhesion Promoter	Plastic Repair	310A	SDS	Quart	4.3	2.2	HLVP	9.6	21.2	2	8
UVA Primer-Surfacer, Aerosol Can	Primer	A-3130S	13.1	CAN	4.2	3.1	HLVP	7.6	37.18	2.83	8.82
LE3004S 01, Gallon, Low VOC 2K Primer	Primer	LE3004S	24	Gallon	1.3	0.6	HLVP	9.88	30.44	3.01	4
LE3010S, Gallon, White, Low VOC 2K Sealer	Primer	LE3010S	24	Gallon	1.3	0.6	HLVP	12.44	56.38	7.01	11
LE3040S, Gallon, Gray, Low VOC 2K Sealer	Primer	LE3040S	24	Gallon	1.4	0.7	HLVP	11.77	53.98	6.35	4
LE3070S, Gallon, Dark Gray, Low VOC 2K Sealer	Primer	LE3070S	24	Gallon	1.4	0.7	HLVP	11.46	52.43	6.01	5
LE3075S, Qt, Activator for LE Sealers & LE Primers	Primer	LE3075S	24	Quart	1.6	0.6	HLVP	9.67	23.63	2.29	8.5
LE3095S, Qt, Activator LE Sealers&Primers,Warm Temp	Primer	LE3095S	24	Quart	1.4	0.5	HLVP	10.02	26.52	2.66	3
LE3130S, Qt, Premier UV-Primer-Surfacer	Primer	LE3130S	SDS	Quart	1.4	1.4	HLVP	9.61	63.76	6.13	123.72
2363S Cromax Matting Agent	Primer	2363S	SDS	Quart	2.0	1.2	HLVP	9.8	39	3.81	1.25
400A SC1EA 1K PRIMER SURFACER DARK GRAY	Primer	400A	SDS	CAN	5.6	4.0	HLVP	6.6	11.2	0.74	14.28
410A SC1EA 1K PRIMER SURFACER LIGHT GRAY	Primer	410A	SDS	CAN	5.6	4.0	HLVP	6.7	11.7	0.78	17.55
310A SC1EA PLASTIC ADHESION PROMOTER	Primer	310A	SDS	CAN	6.0	6.0	HLVP	6.1	1.7	0.1	8
Waterborne - CroMax Pro - White LS, 1 Liter	WB Color	WB02	26	Liter	2.1	0.5	HLVP	8.92	21.84	1.95	1.06
Waterborne - CroMax Pro - Crystalline Frost, 0.5 Liter	WB Color	WB03	26	0.5 L	3.4	0.8	HLVP	9.67	25.13	2.43	1.59
WB05 - Waterborne, Jet Black, Liter [Replaces WB9900]	WB Color	WB05	26	Liter	0.1	0.0	HLVP	8.54	16.14	1.38	1.85
Waterborne - CroMax Pro - Black HS, 1 Liter	WB Color	WB06	26	Liter	1.3	0.1	HLVP	8.44	5.81	0.49	91.94
Waterborne - CroMax Pro - Black LS, 0.5 Liter	WB Color	WB07	26	0.5 L	2.2	0.3	HLVP	8.4	11.87	1	2.51
Waterborne - CroMax Pro - White Pearl, 0.5 Liter	WB Color	WB1001	26	0.5 L	3.1	1.1	HLVP	8.77	26.18	2.3	6.47
Waterborne - CroMax Pro - Sat White Pearl, 0.5 Liter	WB Color	WB1002	26	0.5 L	3.1	1.2	HLVP	8.81	27.25	2.4	2.25
Waterborne - CroMax Pro - Blue Pearl, 0.5 Liter	WB Color	WB1003	26	0.5 L	3.1	1.2	HLVP	8.8	26.58	2.34	8.59
Waterborne - CroMax Pro - Sat Blue Pearl, 0.5 Liter	WB Color	WB1004	26	0.5 L	3.1	1.2	HLVP	8.84	27.61	2.44	0.92
Waterborne - CroMax Pro - Lilac Pearl, 0.5 Liter	WB Color	WB1005	26	0.5 L	3.1	1.1	HLVP	8.79	25.75	2.26	1.72
Waterborne - CroMax Pro - Bluegreen Pearl, 0.5 Liter	WB Color	WB1006	26	0.5 L	3.1	1.2	HLVP	8.81	26.91	2.37	0.4
Waterborne - CroMax Pro - Green Pearl, 0.5 Liter	WB Color	WB1007	26	0.5 L	3.1	1.2	HLVP	8.83	27.4	2.42	0.79
Waterborne - CroMax Pro - Gold Pearl, 0.5 Liter	WB Color	WB1009	26	0.5 L	3.1	1.2	HLVP	8.82	27.83	2.45	2.25
Waterborne - CroMax Pro - Copper Pearl, 0.5 Liter	WB Color	WB1011	26	0.5 L	3.1	1.2	HLVP	8.83	27.61	2.44	0.66
Waterborne - CroMax Pro - Red Pearl, 0.5 Liter	WB Color	WB1012	26	0.5 L	3.1	1.2	HLVP	8.83	27.65	2.44	6.08
Waterborne - CroMax Pro - Sat Red Pearl, 0.5 Liter	WB Color	WB1013	26	0.5 L	3.2	1.2	HLVP	8.9	28.22	2.51	0.92
Waterborne - CroMax Pro - Rut Red Pearl, 0.5 Liter	WB Color	WB1014	26	0.5 L	3.1	1.2	HLVP	8.83	27.51	2.43	1.45
Waterborne - CroMax Pro - Crys Silver Efx, 0.5 Liter	WB Color	WB1020	26	0.5 L	3.2	1.2	HLVP	8.87	27.31	2.42	8.45
Waterborne - CroMax Pro - Galaxy Blue Efx, 0.5 Liter	WB Color	WB1021	26	0.5 L	3.2	1.3	HLVP	8.89	29.05	2.58	4.36
Waterborne - CroMax Pro - Stell Green Efx, 0.5 Liter	WB Color	WB1022	26	0.5 L	3.2	1.2	HLVP	8.88	27.99	2.49	0.66
Waterborne - CroMax Pro - Sunb Gold Efx, 0.5 Liter	WB Color	WB1023	26	0.5 L	3.2	1.2	HLVP	8.85	26.77	2.37	1.32
Waterborne - CroMax Pro - Radiant Red Efx, 0.5 Liter	WB Color	WB1024	26	0.5 L	3.2	1.2	HLVP	8.89	27.67	2.46	4.62
Waterborne - CroMax Pro - Fire Copper Efx, 0.5 Liter	WB Color	WB1025	26	0.5 L	3.2	1.2	HLVP	8.9	28.17	2.51	0.4
Waterborne - CroMax Pro - Super Fine Alum, 0.5 Liter	WB Color	WB1030	26	0.5 L	3.6	0.8	HLVP	8.52	14.15	1.21	2.11
Waterborne - CroMax Pro - Med Fine Alum, 1 Liter	WB Color	WB1031	26	Liter	4.3	1.6	HLVP	8.5	20.16	1.71	2.64
Waterborne - CroMax Pro - Fine Bright Alum, 1 Liter	WB Color	WB1032	26	Liter	4.3	1.6	HLVP	8.53	19.99	1.71	17.17
Waterborne - CroMax Pro - Fine Aluminum, 1 Liter	WB Color	WB1033	26	Liter	4.2	1.6	HLVP	8.59	19.35	1.66	0.53
Waterborne - CroMax Pro - Coarse Bright Alum, 1 Liter	WB Color	WB1035	26	Liter	3.9	1.4	HLVP	8.55	22.24	1.9	27.74
Waterborne - CroMax Pro - Med Coarse Alum, 1 Liter	WB Color	WB1037	26	Liter	3.8	1.4	HLVP	8.54	21.41	1.83	2.91
Waterborne - CroMax Pro - Coarse Aluminum, 1 Liter	WB Color	WB1039	26	Liter	3.8	1.3	HLVP	8.61	21.7	1.87	5.02
Waterborne - CroMax Pro - Very Coarse Alum, 1 Liter	WB Color	WB1041	26	Liter	3.6	1.2	HLVP	8.57	21.91	1.88	5.55
Waterborne - CroMax Pro - Mixing Color (effect)	WB Color	WB1050	26	Liter	3.6	0.1	HLVP	8.73	17.05	1.49	24.04
Waterborne - CroMax Pro - Aluminum Gold, 0.5 Liter	WB Color	WB1078	26	0.5 L	4.3	1.6	HLVP	8.44	15.58	1.31	0.92
Waterborne - CroMax Pro - Alu Orange, 0.5 Liter	WB Color	WB1779	26	0.5 L	4.4	1.6	HLVP	8.45	18.45	1.56	2.25
Waterborne - CroMax Pro - Extra Fine Bright Aluminum	WB Color	WB1097	SDS	0.5 L	4.4	1.7	HLVP	8.62	19.75	1.7	4.76
Waterborne - CroMax Pro - Medium Fine Bright Aluminum	WB Color	WB1098	SDS	0.5 L	4.4	1.7	HLVP	8.49	19.74	1.68	10.7
Waterborne - CroMax Pro - Violet, 1 Liter	WB Color	WB20	26	Liter	2.0	0.3	HLVP	8.52	11.28	0.96	1.85
Waterborne - CroMax Pro - White HS, 1 Lite	WB Color	WB01	26	Liter	1.6	0.6	HLVP	13.73	58.47	8.03	47.82
WB1096 Cromax Pro Fin Brlt Alu	WB Color	WB1096	SDS	0.5 L	4.4	0.9	HLVP	8.5	16.2	1.37	0.79
WB2093 Hot-Dry Blender	WB Color	WB2093	SDS	Gallon	3.4	0.1	HLVP	8.3	13.8	1.15	11.1
WB2047 High-Humidity Controller	WB Color	WB2047	SDS	3.5	1.6	0.3	HLVP	8.3	17.3	1.44	5.55
WB1796 Glass Flake 3WB Tint	WB Color	WB1796	SDS	0.5 L	3.1	1.1	HLVP	8.7	26.5	2.31	0.53
WB1735 VMF Aluminum	WB Color	WB1735	SDS	0.5 L	3.2	0.6	HLVP	8.3	12.1	1	1.19
WB1019 Pyrisma Blue	WB Color	WB1019	SDS	0.5 L	3.2	1.2	HLVP	8.8	26.4	2.32	0.13

CarMax Auto Superstores, Inc  
 Midlothian, TX  
 Non Title-V Application

Potential Hours Operation 8760 hrs/year

Combustion Emissions

	Heat Input Btu/hr
Paint Booth #1 (Air Heater)	1,093,000
Paint Booth #2 (Air Heater)	1,093,000
Paint Booth #3 (Air Heater)	1,093,000
Paint Booth/sanding station #1 (Air Heater)	1,093,000
Paint Booth/sanding station #2 (Air Heater)	1,093,000
Total	5,465,000 Btu/hr

0.060 10<sup>3</sup> gal/hr

The potential emissions for the boilers are calculated by multiplying an emission factor by the rated

TSP	0.7 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1
PM10	0.7 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1
PM2.5	0.7 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1
NOx	13 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1
SOx	0.05 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1
VOC	1 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1
CO	7.5 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1
CO2	12500 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1
N2O	0.9 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1
CH4	0.2 lb/10 <sup>3</sup> gal	AP-42, Table 1.5-1

Given:

Maximum Heat Input: 0.060 10<sup>3</sup> gal 91.5 x 106 Btu/103 gallon for propane

	TSP lb/hr	PM10 lb/hr	PM2.5 lb/hr	NOx lb/hr	SOx lb/hr	VOC lb/hr	CO lb/hr	CO2 lb/hr	N2O lb/hr	CH4 lb/hr
Combustion Emissions	0.04	0.04	0.04	0.78	0.00	0.06	0.45	746.58	0.05	0.01

	TSP lb/yr	PM10 lb/yr	PM2.5 lb/yr	NOx lb/yr	SOx lb/yr	VOC lb/yr	CO lb/yr	CO2 lb/yr	N2O lb/yr	CH4 lb/yr
Combustion Emissions	366.24	366.24	366.24	6,801.69	26.16	523.21	3,924.05	6,540,081.97	470.89	104.64

Hazardous Air Pollutant Calculations

\* No published HAP emissions factors for LPG. Using AP-42 Chapter 1.4