777 12th Street, Third Floor

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Sacramento, CA 95814

BEST AVAILABLE CONTROL TECHNOLOGY DETERMINATION

DETERMINATION NO.: 107

DATE: June 10, 2015

ENGINEER: Felix Trujillo, Jr.

Category/General Equip Description: Coating – Auto Body

Equipment Specific Description: Paint Spray Booth

Equipment Size/Rating: Minor Source BACT

Previous BACT Det. No.: 73

This BACT was determined under the project for A/Cs 24446 - 24448 (Caliber Collision Centers).

APPROVED BY: _____ **DATE:** 6-10-15

SMAQMD BACT CLEARINGHOUSE

CATEGORY: **COATING - AUTO BODY**

BACT Size: Minor Source BACT **PAINT SPRAY BOOTH**

BACT Determination Number: 107	**BACT Determination Date:** 6/10/2015

Equipment Information

Permit Number: 24446
Equipment Description: PAINT SPRAY BOOTH
Unit Size/Rating/Capacity: Emissions limited to 4,700 lb VOC/qtr/year
Equipment Location: CALIBER COLLISION CENTERS
2341 FULTON AVE
SACRAMENTO, CA

BACT Determination Information

ROCs	**Standard:**	Low VOC coatings and solvents
	Technology Description:	Compliant with Rule 459 and high transfer efficiency application equipment, Natural gas or LPG fired burner
	Basis:	Achieved in Pactice
NOx	**Standard:**	30 ppmvd @ 3% O2
	Technology Description:	Low-Nox burner
	Basis:	Achieved in Pactice
SOx	**Standard:**	
	Technology Description:	Natural gas or LPG fired burner
	Basis:	Achieved in Pactice
PM10	**Standard:**	
	Technology Description:	Spray booth with exhaust filters; 95% control efficiency and high transfer efficiency application equipment, Natural gas or LPG fired burner
	Basis:	Achieved in Pactice
PM2.5	**Standard:**	
	Technology Description:	Spray booth with exhaust filters; 95% control efficiency and high transfer efficiency application equipment, Natural gas or LPG fired burner
	Basis:	Achieved in Pactice
CO	**Standard:**	
	Technology Description:	Natural gas or LPG fired burner
	Basis:	Achieved in Pactice
LEAD	**Standard:**	
	Technology Description:	
	Basis:	

Comments: BACT for A/Cs 24446, 24447 & 24448 for three paint spray booths each with a 1 MMBtu/hr low-NOx burner (booth heater). Booths exhaust at a flowrate of 14,000 cfm. This is for a non-OEM operation. This BACT is also applicable to an automotive paint spray booth without a heater.

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