

SACRAMENTO METROPOLITAN



**AIR QUALITY**  
MANAGEMENT DISTRICT

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## **SMAQMD BACT CLEARINGHOUSE**

This clearinghouse is updated monthly to reflect the latest BACT determinations in effect within the jurisdiction of the Sacramento Metropolitan Air Quality Management District. This list serves as guidance and reflects the minimum emission rate/control technology that will be required as BACT.

**NOTE: BACT DETERMINATIONS MAY CHANGE AT ANY TIME AND WITHOUT PREVIOUS NOTICE.**

**This list was last updated on: 08-08-2024**

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**APC - MISCELLANEOUS**

BACT Category: SMALL EMITTER (PTE < 10 LB/DAY)

<b>BACT Determination Number:</b> 322	<b>BACT Determination Date</b> 11/28/2022	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** 27357  
**Equipment Description:** WATER EVAPORATOR  
**Unit Size/Rating/Capacity:** ≥ 1 to < 2 MMBTU/hr  
**Equipment Location:** ADESA CALIFORNIA, LLC DBA ADESA SACRAMENTO  
 8649 KIEFER BLVD SACRAMENTO, CA

**BACT Determination Information**

**District Contact:** Quintin Phan Phone No.: (279) 207-1143 email: qphan@airquality.org

<b>ROCs</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments**

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**BOILER**

BACT Category: MAJOR SOURCE

<b>BACT Determination Number:</b> 327	<b>BACT Determination Date</b> 6/13/2023	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** BOILER  
**Unit Size/Rating/Capacity:** ≥ 75,000 BTU/HR TO < 2.0 MMBTU/HR, FIRED ON NATURAL GAS  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	Good combustion practices
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Units rated < 0.7 MMBtu/hr: 20 ppmvd at 3% O2 Units rated ≥ 0.7 to < 2.0 MMBtu/hr: 9 ppmvd at 3% O2
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	PUC quality natural gas or produced gas treated using a continuously operating sulfur removal system (≤ 80 ppmv total sulfur & ≤ 4 ppmv H2S)
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	PUC quality natural gas or produced gas treated using a continuously operating sulfur removal system (≤ 80 ppmv total sulfur & ≤ 4 ppmv H2S)
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	PUC quality natural gas or produced gas treated using a continuously operating sulfur removal system (≤ 80 ppmv total sulfur & ≤ 4 ppmv H2S)
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Units rated < 0.4 MMBtu/hr: 50 ppmvd at 3% O2 Units rated ≥ 0.4 to < 2.0 MMBtu/hr: 100 ppmvd at 3% O2
	<b>Basis:</b>	Achieved in Practice

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**BOILER**

BACT Category: Major Source

<b>BACT Determination Number:</b> 328	<b>BACT Determination Date</b> 6/13/2023	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** BOILER  
**Unit Size/Rating/Capacity:** Greater or equal to 75,000 BTU/hr to less than 2.0 MMBTU/hr, fired on LPG  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	Good combustion practices
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Units rated < 0.7 MMBtu/hr: 20 ppmvd @ 3% O2 Units rated ≥ 0.7 MMBtu/hr to < 2.0 MMBtu/hr: 12 ppmvd @ 3% O2
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	Good combustion practices
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	Good combustion practices
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	Good combustion practices
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Units rated < 0.4 MMBTU/hr: Good combustion practices Units rated ≥ 0.4 MMBTU/hr to < 2.0 MMBtu/hr: 400 ppmvd @ 3% O2
	<b>Basis:</b>	Achieved in Practice

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**BOILER**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 343	<b>BACT Determination Date</b> 2/9/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** BOILER > 5 MMBTU  
**Unit Size/Rating/Capacity:** > 20 MMBtu/hr, natural gas or LPG fired  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: [jquok@airquality.org](mailto:jquok@airquality.org)

<b>ROCs</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	2.5 ppm @ 3% O2 or 0.003 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	50 ppm @ 3% O2 or 0.037 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**BOILER**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 344	<b>BACT Determination Date</b> 2/9/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** RENTAL BOILER > 5 MMBTU  
**Unit Size/Rating/Capacity:** > 20 MMBtu/hr, Natural gas or LPG fired  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	5 ppm @ 3% O2 or 0.0062 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	50 ppm @ 3% O2 or 0.037 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**BOILER**

BACT Category: Small Emitter BACT (PTE < 10 lb/day)

<b>BACT Determination Number:</b> 353	<b>BACT Determination Date</b> 5/1/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** BOILER > 5 MMBTU  
**Unit Size/Rating/Capacity:** ≥ 5 to ≤ 20 MMBtu/hr Natural gas or LPG fired  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: [jquok@airquality.org](mailto:jquok@airquality.org)

<b>ROCs</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Technology Description and Comments for BACT Standards
	<b>Technology Description:</b>	Firetube Boilers: < 9.8 MMBtu/hr: 7 ppm at 3% O2 or 0.0085 lb/MMBtu ≥ 9.8 MMBtu/hr: 5 ppm at 3% O2 or 0.0061 lb/MMBtu
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	400 ppm @ 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** BACT for NOx continued:  
 All other boilers:  
 < 7.6 MMBtu/hr: 9 ppm at 3% O2 or 0.011 lb/MMBtu  
 ≥ 7.6 MMBtu/hr: 5 ppm at 3% O2 or 0.0061 lb/MMBtu

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**BOILER**

BACT Category: Small Emitter BACT (PTE < 10 lb/day)

<b>BACT Determination Number:</b> 354	<b>BACT Determination Date</b> 5/1/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** BOILER > 5 MMBTU  
**Unit Size/Rating/Capacity:** Rental, ≥ 5 to ≤ 20 MMBtu/hr Natural gas or LPG fired  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>NOx</b>	<b>Standard:</b>	See Technolgy Description for BACT Standards
	<b>Technology Description:</b>	Firetube Boilers: 7 ppm at 3% O2 or 0.0085 lb/MMBtu All Other Boilers: 9 ppm at 3% O2 or 0.011 lbs/MMBtu
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	PUC quality natural gas or propane with LPG backup
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	400 ppm @ 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.



**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**BOILER**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 359	<b>BACT Determination Date</b> 7/23/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** BOILER > 5 MMBTU  
**Unit Size/Rating/Capacity:** Boiler Digester gas fired, ≥ 5 MMBtu/hr to ≤ 20 MMBtu/hr  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	9 ppm at 3% O2 or 0.011 lb/MMBtu
	<b>Technology Description:</b>	For natural gas co-firing see BACT #359 Evaluation
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	≤ 0.1 gr/scf at 12% CO2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	≤ 0.1 gr/scf at 12% CO2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	100 ppm at 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** T-BACT is compliance with BACT for VOC and PM.  
 For natural gas co-firing see BACT #359 Evaluation  
  
 For Digester gas:  
 9 ppm at 3% O2 or 0.011 lb/MMBtu  
  
 For Natural Gas Co-Firing:  
 1. Compliance with SCAQMD Rule 1146  
 a. 15 ppm at 3% O2 if digester gas usage by the biogas unit is 90% or more, based on the higher heating value of the fuels used; OR  
 b. 15 ppm at 3% O2 if >10 to 25% natural gas in the digester gas unit, if the only alternative to limiting natural gas to 10 percent would be

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - ADHESIVES/SEALANTS**

BACT Category: MINOR SOURCE BACT

<b>BACT Determination Number:</b> 320	<b>BACT Determination Date</b> 11/16/2022	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** ADHESIVE APPLICATION  
**Unit Size/Rating/Capacity:** ≤ 7,404 LBS VOC/YEAR  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	Compliance with SMAQMD Rule 460(A) and BACT #320/321 VOC limits (see Tables 1-9 in BACT evaluation)
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For heaters < 1,200°F: 20 ppm or 0.024 lb/MMBtu For heaters ≥ 1,200°F: 30 ppm or 0.036 lb/MMBtu
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	Spray booth with dry filters or waterwash
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	Spray booth with dry filters or waterwash
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	For heaters, low NOx burner, 400 ppmvd @ 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** T-BACT is compliance with SMAQMD Rule 460(A) BACT #320/321 VOC limits (see Tables 1-9 in BACT Evaluation) and emission limits of Table 3 to Subpart JJ of Part 63.

(A)Compliance with SMAQMD Rule 460 includes use of exemptions of this rule. If the operation qualifies for exemption of VOC content limits the BACT VOC content limits are exempt as well.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - ADHESIVES/SEALANTS**

BACT Category: MINOR SOURCE BACT

<b>BACT Determination Number:</b> 321	<b>BACT Determination Date</b> 11/16/2022	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** ADHESIVE APPLICATION  
**Unit Size/Rating/Capacity:** > 7,404 LBS VOC/YEAR  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	Compliance with SMAQMD Rule 460(A) and BACT 320/321 VOC limits (see Tables 1-9 in BACT Evaluation) and VOC control system with ≥90% collection efficiency and ≥95% destruction efficiency
	<b>Basis:</b>	Cost Effective
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For heaters < 1,200°F: 20 ppm or 0.024 lb/MMBtu For heaters ≥ 1,200°F: 30 ppm or 0.036 lb/MMBtu
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	Spray booth with dry filters or waterwash
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	Spray booth with dry filters or waterwash
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	For heaters, low NOx burner, 400 ppmvd @ 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** T-BACT is compliance with SMAQMD Rule 460(A) BACT #320/321 VOC limits (see Tables 1-9 in BACT evaluation), emission limits of Table 3 to Subpart JJ of Part 63 and VOC control system with ≥90% collection efficiency and ≥ 95% destruction efficiency.

(A)Compliance with SMAQMD Rule 460 includes use of exemptions of this rule. If the operation qualifies for exemption of VOC content limits the BACT VOC content limits are exempt as well.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - AEROSPACE**

BACT Category: MINOR SOURCE BACT

<b>BACT Determination Number:</b> 318	<b>BACT Determination Date</b> 9/7/2022	<b>ACTIVE</b>
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**Equipment Information**

<b>Permit Number:</b> N/A -- Generic BACT Determination	<b>EXPIRES 9/6/2024</b>
<b>Equipment Description:</b> AEROSPACE COATING	
<b>Unit Size/Rating/Capacity:</b> PAINT SPRAY BOOTH ≤ 7,404 LBS VOC/YEAR	
<b>Equipment Location:</b>	

**BACT Determination Information**

<b>District Contact:</b> Jeff Quok	Phone No.: (279) 207-1145	email: jquok@airquality.org
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<b>ROCs</b>	<b>Standard:</b>	See Description Below
	<b>Technology Description:</b>	1.Compliance with SMAQMD Rule 456 and aerospace coatings BACT VOC limits (see Tables 1-3 in BACT evaluation) 2.Use of an enclosed gun cleaner
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	For heaters < 1200° F: 20 ppm or 0.024 lb/MMBtu, for heaters ≥ 1200 ° F: 30 ppm or 0.036 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	Enclosed paint booth with use of dry filters and use of HVLP, properly maintained
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppm corrected to 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** For T-BACT see evaluation

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - AEROSPACE**

BACT Category: MINOR SOURCE BACT

<b>BACT Determination Number:</b> 319	<b>BACT Determination Date</b> 9/7/2022	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** AEROSPACE COATING **EXPIRES 9/6/2024**  
**Unit Size/Rating/Capacity:** PAINT SPRAY BOOTH > 7,404 LBS VOC PER YEAR  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Description Below
	<b>Technology Description:</b>	1.Compliance with SMAQMD Rule 456 and aerospace coatings BACT VOC limits 2.Use of enclosed gun cleaner 3.VOC control system with overall capture efficiency ≥90% by weight
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	For heaters < 1200° F: 20 ppm or 0.024 lb/MMBtu, for heaters ≥ 1200 ° F: 30 ppm or 0.036 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	Enclosed paint booth with use of dry filters and use of HVLP, properly maintained
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppm corrected to 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** For T-BACT see evaluation

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - AUTO BODY**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 345	<b>BACT Determination Date</b> 1/16/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PAINT SPRAY BOOTH  
**Unit Size/Rating/Capacity:** ≤ 6,198 lbs VOC/year and facilities ≤ 40,000 lbs VOC/year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.< 6,198 lb VOC/year limit 2.Compliance with SMAQMD Rule 459(A) 3.For heaters: use of natural gas or LPG
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For booth heaters: < 1,200 °F: 30 ppm or 0.036 lb/MMBtu ≥ 1,200 °F: 60 ppm or 0.073 lb/MMBtu.
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For heaters: natural gas or LPG fired burner
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Spray booth with dry filters or waterwash, properly maintained, 98% PM control efficiency, 0.0015 gr/dcsf 2.HVLP spray or equivalent application equipment 3.For heaters, natural gas or LPG fired burner
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Spray booth with dry filters or waterwash, properly maintained, 98% PM control efficiency, 0.0015 gr/dcsf 2.HVLP spray or equivalent application equipment 3.For heaters, natural gas or LPG fired burner
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppmvd @ 3% O2 or 0.30 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** See BACT Determination for full BACT and T-BACT Details:  
T-BACT for Organic HAP/VHAP:  
1.< 6,198 lb VOC/year limit  
2.Compliance with SMAQMD Rule 459 (A)  
3.For heaters: use of natural gas or LPG  
  
T-BACT for Inorganic HAP: Compliance with 40 CFR 63 Subpart HHHHHH for metals – Spray booth filter system with 98% capture efficiency of paint overspray, HVLP spray equipment, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology  
  
(A) Compliance with SMAQMD Rule 459 includes use of exemptions of this rule. BACT VOC content limits are exempt if the operation qualifies for VOC content limit exemptions of SMAQMD Rule 459.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - AUTO BODY**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 346	<b>BACT Determination Date</b> 1/16/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PAINT SPRAY BOOTH  
**Unit Size/Rating/Capacity:** > 6,198 lb VOC/year and facilities > 40,000 lbs VOC/year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Compliance with SMAQMD Rule 459(A) and VOC control system with overall capture/destruction efficiency ≥ 90%; OR 2.Use of Super Clean Materials (< 5% VOC by weight); OR 3.Use of low-VOC materials resulting in an equivalent emission reduction as option #1 and option #2.
	<b>Basis:</b>	Cost Effective
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For booth heaters: < 1,200 °F: 30 ppm or 0.036 lb/MMBtu ≥ 1,200 °F: 60 ppm or 0.073 lb/MMBtu
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For heaters: natural gas or LPG fired burner
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Enclosed spray booth with properly maintained dry filters or waterwash. 2.HVLP spray or equivalent application equipment 3.For heaters, natural gas or LPG fired burner
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Enclosed spray booth with properly maintained dry filters or waterwash. 2.HVLP spray or equivalent application equipment 3.For heaters, natural gas or LPG fired burner
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppmvd @ 3% O2 or 0.30 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** See BACT Determination for full BACT and T-BACT Details:  
T-BACT for Organic HAP/VHAP: Spray booth with filter system, 98% PM10 control efficiency, HVLP spray equipment or equivalent technology, coatings with VOC content and transfer efficiency complying with SMAQMD Rule 459(A). Overall capture/destruction efficiency ≥ 90% by weight  
  
T-BACT for Inorganic HAP: Compliance with 40 CFR 63 Subpart HHHHHH for metals - Spray booth filter system with 98% capture efficiency of paint overspray, HVLP spray equipment, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology  
  
(A) Compliance with SMAQMD Rule 459 includes use of exemptions of this rule. BACT VOC content limits are exempt if the operation qualifies for VOC content limit exemptions of SMAQMD Rule 459.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - GENERAL**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 338	<b>BACT Determination Date</b> 1/16/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PAINT SPRAY BOOTH  
**Unit Size/Rating/Capacity:** ≤ 6,198 pounds VOC per year and facilities ≤ 9,996 lbs VOC per year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Compliance with SMAQMD Rule 441 – Organic Solvents 2.Compliance with SMAQMD Rule 466 – Solvent Cleaning 3.Compliance with SDAPCD Rule 66.1 – Misc. Surface Coating Operations and Other Processes Emitting Volatile
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For booth heater: < 1200 °F: 30 ppm or 0.036 lb/MMBtu corrected to 3% O2 ≥ 1200 °F: 60 ppm or 0.073 lb/MMBtu corrected to 3% O2
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	Dry filters or waterwash
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppm corrected to 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** See BACT and T-BACT Determination for full details.  
  
T-BACT for Organic HAP/VHAP is BACT for VOC.  
T-BACT for Inorganic HAP is the following: Compliance with 40 CFR 63 Subpart HHHHHH for metals – Spray booth filter system with 98% capture efficiency of paint overspray, HVLP spray equipment, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology.



**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - GENERAL**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 339	<b>BACT Determination Date</b> 1/16/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PAINT SPRAY BOOTH  
**Unit Size/Rating/Capacity:** > 6,198 pounds VOC per year and facilities > 9,996 lbs VOC per year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Compliance with SMAQMD Rule 441 – Organic Solvents 2.Compliance with SMAQMD Rule 466 – Solvent Cleaning 3.VOC Emission Control System that has a combined capture and control device efficiency if at least 85% by weight.
	<b>Basis:</b>	Cost Effective
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For booth heater: < 1200 °F: 30 ppm or 0.036 lb/MMBtu corrected to 3% O2 ≥ 1200 °F: 60 ppm or 0.073 lb/MMBtu corrected to 3% O2
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	Dry filters or waterwash
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppm corrected to 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** See BACT and T-BACT Determination for full details.  
  
T-BACT for Organic HAP/VHAP is BACT for VOC.  
T-BACT for Inorganic HAP is the following: Compliance with 40 CFR 63 Subpart HHHHHH for metals – Spray booth filter system with 98% capture efficiency of paint overspray, HVLP spray equipment, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - METAL**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 336	<b>BACT Determination Date</b> 1/17/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PAINT SPRAY BOOTH  
**Unit Size/Rating/Capacity:** ≤ 6,198 lbs VOC/year and facilities ≤ 40,000 lbs VOC/year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1. ≤ 6,198 lb VOC/year limit. 2. HVLP spray or equivalent application equipment. 3. Enclosed spray gun cleaning system. 4. Compliance with SMAQMD Rule 451(A)(B) coating, solvent, and stripper standards except for General-One Component use 275 g/l and for Etching Filler use 340 g/l for Air-Dried and 275 g/l for Baked.
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For booth heaters: < 1,200 °F: 30 ppm or 0.036 lb/MMBtu ≥ 1,200 °F: 60 ppm or 0.073 lb/MMBtu
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1. Enclosed spray booth with properly maintained dry filters or waterwash 2. HVLP spray or equivalent application equipment
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1. Enclosed spray booth with properly maintained dry filters or waterwash 2. HVLP spray or equivalent application equipment
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppmvd @ 3% O2 or 0.30 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** (A) Compliance with SMAQMD Rule 451 includes use of exemptions of this rule. BACT VOC content limits are exempt if the operation qualifies for VOC content limit exemptions of SMAQMD Rule 451.  
 (B) This BACT includes an application equipment exemption for coatings with a viscosity of 650 centipoise or greater, as applied.

T-BACT is BACT for Organic HAP/VHAP  
 T-BACT for Inorganic HAP: Compliance with 40 CFR 63 Subpart HHHHHH for metals – Spray booth filter system with 98% capture efficiency of paint overspray, HVLP spray equipment, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - METAL**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 337	<b>BACT Determination Date</b> 1/17/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PAINT SPRAY BOOTH  
**Unit Size/Rating/Capacity:** > 6,198 lbs VOC/year and facilities > 40,000 lbs VOC/year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Compliance with SMAQMD Rule 451(A)(B) coating, solvent, and stripper standards except for 2 coating categories (For General – One Component use SCAQMD Regulation XI, Rule 1107 standard and for Etching Filler use SJVAPCD Rule 4603 Standard), and VOC control system with overall capture/destruction efficiency ≥ 90%; OR
	<b>Basis:</b>	Cost Effective
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For booth heaters: < 1,200 °F: 30 ppm or 0.036 lb/MMBtu ≥ 1,200 °F: 60 ppm or 0.073 lb/MMBtu
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Enclosed spray booth with properly maintained dry filters or waterwash. 2.HVLP spray or equivalent application equipment
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Enclosed spray booth with properly maintained dry filters or waterwash. 2.HVLP spray or equivalent application equipment
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppmvd @ 3% O2 or 0.30 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** (A) Compliance with SMAQMD Rule 451 includes use of exemptions of this rule. BACT VOC content limits are exempt if the operation qualifies for VOC content limit exemptions of SMAQMD Rule 451.  
 (B) This BACT includes an application equipment exemption for coatings with a viscosity of 650 centipoise or greater, as applied.

T-BACT is BACT for Organic HAP/VHAP  
 T-BACT for Inorganic HAP is the following: Compliance with 40 CFR 63 Subpart HHHHHH for metals – Spray booth filter system with 98% capture efficiency of paint overspray, HVLP spray equipment, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - WOOD**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 347	<b>BACT Determination Date</b> 5/17/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** COATING OPERATION  
**Unit Size/Rating/Capacity:** ≤ 6,198 lbs VOC/year and facilities ≤ 40,000 lbs VOC/year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.< 6,198 lb VOC/year limit 2.HVLP spray or equivalent application equipment 3.Compliance with SMAQMD Rule 463(A) and BACT coating, solvent, and stripper VOC limits
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For booth heaters: < 1,200 °F: 30 ppm or 0.036 lb/MMBtu ≥ 1,200 °F: 60 ppm or 0.073 lb/MMBtu
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Enclosed spray booth with properly maintained dry filters or waterwash 2.HVLP spray or equivalent application equipment
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Enclosed spray booth with properly maintained dry filters or waterwash 2.HVLP spray or equivalent application equipment
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppmvd @ 3% O2 or 0.30 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** (A)Compliance with SMAQMD Rule 463 includes the use of exemptions of this rule. BACT VOC content limits are exempt if the operation qualifies for VOC content limit exemptions of SMAQMD Rule 463.  
  
T-BACT: See BACT Determination evaluation for full T-BACT standards.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**COATING - WOOD**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 348	<b>BACT Determination Date</b> 5/17/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** COATING OPERATION  
**Unit Size/Rating/Capacity:** ≥ 6,198 lb VOC/year and facilities > 40,000 lbs VOC/year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Compliance with SMAQMD Rule 463(A) and SMAQMD BACT coating, solvent, and stripper VOC limits, and VOC control system with overall capture/destruction efficiency ≥ 90%; OR 2.Use of Super Clean Materials (< 5% VOC by weight); OR
	<b>Basis:</b>	Cost Effective
<b>NOx</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	For booth heaters: < 1,200 °F: 30 ppm or 0.036 lb/MMBtu ≥ 1,200 °F: 60 ppm or 0.073 lb/MMBtu
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Enclosed spray booth with properly maintained dry filters or waterwash 2.HVLP spray or equivalent application equipment
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Enclosed spray booth with properly maintained dry filters or waterwash 2.HVLP spray or equivalent application equipment
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	For heaters: 400 ppmvd @ 3% O2 or 0.30 lb/MMBtu
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** (A)Compliance with SMAQMD Rule 463 includes the use of exemptions of this rule. BACT VOC content limits are exempt if the operation qualifies for VOC content limit exemptions of SMAQMD Rule 463.  
  
T-BACT: See BACT Determination evaluation for full T-BACT standards.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**CHEMICAL PROCESS**

BACT Category: Small Emitter (< 10 lbs/day)

<b>BACT Determination Number:</b> 364	<b>BACT Determination Date</b> 6/24/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** CAPILLARY PRODUCTION  
**Unit Size/Rating/Capacity:** < 10 lbs/day of VOC  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Venk Reddy Phone No.: 279-207-1146 email: vreddy@airquality.org

<b>ROCs</b>	<b>Standard:</b>	300 PPM measured as carbon
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	Not Addressed
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	Not Addressed
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	Not Addressed
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	Not Addressed
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	Not Addressed
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**CREMATORY**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 340	<b>BACT Determination Date</b> 1/16/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** CREMATORY  
**Unit Size/Rating/Capacity:** 19,094 MMBtu/hr and a 421 ton per year charge limit  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: [jquok@airquality.org](mailto:jquok@airquality.org)

<b>ROCs</b>	<b>Standard:</b>	Natural gas fuel and a secondary combustion chamber (afterburner) ≥ 1,600 °F
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	60 ppmv corrected to 3% O2 or 0.073 lb/MMBTU
	<b>Technology Description:</b>	Measured as emissions from fuel burning only, not with the charge.
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	Natural gas fired
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	Natural gas-fired with secondary chamber operating at ≥ 1,600 °F
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	Not addressed
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** T-BACT standards will be considered as meeting the BACT standards.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**DRY CLEANING UNIT**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 349	<b>BACT Determination Date</b> 5/17/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PETROLEUM AND NON-HALOGENATED SOLVENTS  
**Unit Size/Rating/Capacity:** ≤ 6,198 lbs VOC/Year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: [jquok@airquality.org](mailto:jquok@airquality.org)

<b>ROCs</b>	<b>Standard:</b>	See Technology Description
	<b>Technology Description:</b>	1.Closed-loop, Dry-to-Dry machine with internal refrigerated condenser achieving outlet vapor temperature ≤ 45°F, and drying sensor/controller. 2.See Attachment C for operational standards.
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** T-BACT is meeting BACT



**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**DRY CLEANING UNIT**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 350	<b>BACT Determination Date</b> 5/17/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PETROLEUM AND NON-HALOGENATED SOLVENTS  
**Unit Size/Rating/Capacity:** > 6,198 lbs VOC/Year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Comment Section
	<b>Technology Description:</b>	See Comment Section
	<b>Basis:</b>	Cost Effective
<b>NOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** BACT for VOC: 1. Carbon Adsorber with 95% control efficiency or equivalent technology.  
 2. Closed-loop, Dry-to-Dry machine with internal refrigerated condenser achieving outlet vapor temperature ≤ 45°F, and drying sensor/controller.  
 3. See Attachment C for operational standards.  
 T-BACT is meeting BACT

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**DRY CLEANING UNIT**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 351	<b>BACT Determination Date</b> 5/17/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** SYNTHETIC/HALOGENATED SOLVENTS EXCLUDING PERCHLOROETHYLENE  
**Unit Size/Rating/Capacity:** ≤ 6,198 lbs VOC/Year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Comment Section
	<b>Technology Description:</b>	See Comment Section
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** BACT for VOC: 1.Secondary control machine (ventless dry-to-dry system with internal refrigerated condenser, internal carbon adsorption unit, and drying sensor/controller) achieving solvent concentration in drum ≤ 300 ppmv.  
 2.See Attachment D for operational standards.  
 T-BACT is meeting BACT

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**DRY CLEANING UNIT**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 352	<b>BACT Determination Date</b> 5/17/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** SYNTHETIC/HALOGENATED SOLVENTS EXCLUDING PERCHLOROETHYLENE  
**Unit Size/Rating/Capacity:** > 6,198 lbs VOC/Year  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Comment Section
	<b>Technology Description:</b>	See Comment Section
	<b>Basis:</b>	Cost Effective
<b>NOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** BACT for VOC: 1. Carbon Adsorber with 95% control efficiency or equivalent technology.  
 2. Secondary control machine (ventless dry-to-dry system with internal refrigerated condenser, internal carbon adsorption unit, and drying sensor/controller) achieving solvent concentration in drum ≤ 300 ppmv.  
 3. See Attachment D for operational standards.  
 T-BACT is meeting BACT

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**DRYER (NON PROCESS HTR)**

BACT Category: Small Emitter BACT (PTE < 10 lb/day)

<b>BACT Determination Number:</b> 312	<b>BACT Determination Date</b> 8/25/2022	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination **EXPIRES 8/24/2024**  
**Equipment Description:** DRYER - LAUNDRY - HIGH TURNDOWN RATIO  
**Unit Size/Rating/Capacity:** High Turndown Ratio (≥ 30:1), Rated at ≥ 325,000 Btu/hr to ≤ 2,000,000 Btu/hr  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: jquok@airquality.org

<b>ROCs</b>	<b>Standard:</b>	Natural gas fueled
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	60 ppmvd @ /3% O2
	<b>Technology Description:</b>	Low-NOx burner
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	Natural gas fueled
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	75% Control
	<b>Technology Description:</b>	Lint Collector and natural gas fuel, or equal
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	75% Control
	<b>Technology Description:</b>	Lint Collector and natural gas fuel, or equal
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**DRYER (NON PROCESS HTR)**

BACT Category: Small Emitter BACT (PTE < 10 lb/day)

<b>BACT Determination Number:</b> 313	<b>BACT Determination Date</b> 8/25/2022	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination **EXPIRES 8/24/2024**  
**Equipment Description:** DRYER - LAUNDRY - HIGH TURNDOWN RATIO  
**Unit Size/Rating/Capacity:** High Turndown Ratio (≥ 30:1), Rated at > 2 MMBtu/hr to ≤ 10 MMBtu/hr  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Quok Phone No.: (279) 207-1145 email: [jquok@airquality.org](mailto:jquok@airquality.org)

<b>ROCs</b>	<b>Standard:</b>	Natural gas fueled
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	For process temperature < 1200° F: 30 ppmvd @ 3% O2 For process temperature ≥ 1200° F: 60 ppmvd @ 3% O2
	<b>Technology Description:</b>	Low NOx Burner
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	Natural gas fueled
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	75% Control
	<b>Technology Description:</b>	Lint Collector and natural gas fuel, or equal
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	75% Control
	<b>Technology Description:</b>	Lint Collector and natural gas fuel, or equal
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	400 ppmv @ 3% O2
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**GDF**

BACT Category: Minor Source

<b>BACT Determination Number:</b> 356	<b>BACT Determination Date</b> 1/22/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** Gasoline E85 storage tanks  
**Unit Size/Rating/Capacity:** Storage Containers ≥ 250 gal. Mobile Fueler ≥ 120 gal  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Venk Reddy Phone No.: 279-207-1146 email: vreddy@airquality.org

<b>ROCs</b>	<b>Standard:</b>	98% Control Efficiency
	<b>Technology Description:</b>	CARB certified Phase I system or any system component being evaluated for certification purposes
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other states

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**GDF**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 357	<b>BACT Determination Date</b> 1/22/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** Phase II Vapor Recovery System  
**Unit Size/Rating/Capacity:** Phase II Vapor Recovery  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Venk Reddy Phone No.: (279) 207-1146 email: vreddy@airquality.org

<b>ROCs</b>	<b>Standard:</b>	95% Control Efficiency
	<b>Technology Description:</b>	CARB certified Phase II vapor recovery system. See comment for other equivalent achieved in practice technologies that will satisfy BACT
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** The following technologies have been determined to be equivalent to the CARB certified Phase II system:  
 1) The fueling of vehicles at non-retail facilities where 100 percent of the vehicles being fueled are equipped with ORVR, or2) The use of E85 dispensers to dispense E85 fuel into flexivle fuel vehicles, or  
 3) The use of any system or component being evaluated for certification purposes and operating under current and valid CARB authorization.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**IC ENGINE COMPRESSION-STANDBY**

BACT Category: Minor and Major Source BACT

<b>BACT Determination Number:</b> 330	<b>BACT Determination Date</b> 9/6/2023	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** IC ENGINE, EMERGENCY STANDBY, DIESEL-FUELED  
**Unit Size/Rating/Capacity:** ≥ 50 HP  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Venk Reddy Phone No.: (279) 207-1146 email: vreddy@airquality.org

<b>ROCs</b>	<b>Standard:</b>	Applicable NMHC or NMHC + NOx emission standard
	<b>Technology Description:</b>	Tier 4 emission requirements for electrical generation, New Emergency Standby Direct Drive Fire Pump Engines Table 2: New Emergency Standby Direct Drive Fire pumps of the ATCM for Stationary CI Engines.
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	Applicable NOx or NMHC + NOx emission standard
	<b>Technology Description:</b>	Tier 4 emission requirements for electrical generation, New Emergency Standby Direct Drive Fire Pump Engines Table 2: New Emergency Standby Direct Drive Fire pumps of the ATCM for Stationary CI Engines.
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	CARB Diesel
	<b>Technology Description:</b>	Diesel Fuel with a sulfur content no greater than 0.0015% weight.
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	Applicable PM emission standard
	<b>Technology Description:</b>	Tier 4 emission requirements for electrical generation, New Emergency Standby Direct Drive Fire Pump Engines Table 2: New Emergency Standby Direct Drive Fire pumps of the ATCM for Stationary CI Engines.
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	Applicable PM emission standard
	<b>Technology Description:</b>	Tier 4 emission requirements for electrical generation, New Emergency Standby Direct Drive Fire Pump Engines Table 2: New Emergency Standby Direct Drive Fire pumps of the ATCM for Stationary CI Engines.
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	Applicable CO emission standard
	<b>Technology Description:</b>	Tier 4 emission requirements for electrical generation, New Emergency Standby Direct Drive Fire Pump Engines Table 2: New Emergency Standby Direct Drive Fire pumps of the ATCM for Stationary CI Engines.
	<b>Basis:</b>	Achieved in Practice

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.



**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**IC ENGINE SPARK - PRIME**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 363	<b>BACT Determination Date</b> 7/16/2024	<b>ACTIVE</b>
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**Equipment Information**

<b>Permit Number:</b> 27782
<b>Equipment Description:</b> DIGESTER GAS - ENGINE/GENERATOR - PRIME POWER
<b>Unit Size/Rating/Capacity:</b> 3,681 HP
<b>Equipment Location:</b> 8521 LAGUNA STATION RD ELK GROVE, CA

**BACT Determination Information**

<b>District Contact:</b> Joanne Chan Phone No.: 279-207-1173 email: Jchan@airquality.org
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<b>ROCs</b>	<b>Standard:</b>	30 ppmvd @ 15% oxygen (0.10 g/hp-hr)
	<b>Technology Description:</b>	Biogas fuel pre-treatment system with an oxidation catalyst.
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	11 ppmvd @ 15% oxygen (0.10 g/hp-hr)
	<b>Technology Description:</b>	Biogas fuel pre-treatment system with Selective Catalytic Reduction (or equivalent technology) and an oxidation catalyst.
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	Sulfur content of fuel (calculated as H2S): 40 ppmvd daily average, or see comments below.
	<b>Technology Description:</b>	Biogas fuel pre-treatment system.
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	0.07 g/hp-hr
	<b>Technology Description:</b>	Biogas fuel pre-treatment system.
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	0.07 g/hp-hr
	<b>Technology Description:</b>	Biogas fuel pre-treatment system.
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	250 ppmvd @ 15% oxygen (1.41 g/hp-hr)
	<b>Technology Description:</b>	Biogas fuel pre-treatment system with an oxidation catalyst.
	<b>Basis:</b>	Achieved in Practice

**Comments** SOx : as shown above, or 40 ppmvd monthly average AND 500 ppmvd 15-minute average.  
T-BACT : Oxidation catalyst achieving ≥ 50% reduction of formaldehyde emissions.

This is a project-specific BACT determination for the Sacramento Area Sewer District's permit applications # 27782 - 27785. The term "digester gas" for this BACT is defined as biogas produced from wastewater treatment facilities.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**IC ENGINE SPARK - STANDBY**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 341	<b>BACT Determination Date</b> 3/8/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** IC ENGINE  
**Unit Size/Rating/Capacity:** < 500 BHP  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Joe Carle Phone No.: (279) 207-1121 email: jcarle@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Rich Burn: 60 ppmvd @ 15% O2 as methane; Lean Burn: 206 ppmvd @ 15% O2 as methane
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Rich Burn: 25 ppmvd @ 15% O2 or 96% reduction by weight; Lean Burn: 1.0 g/bhp-hr
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Use of natural gas fuel or equivalant and good combustion practices
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Use of natural gas fuel or equivalant and good combustion practices
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Use of natural gas fuel or equivalant and good combustion practices
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	2.0 g/bhp-hr
	<b>Basis:</b>	Achieved in Practice

**Comments** T-BACT is equivalent to BACT for VOC

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**IC ENGINE SPARK - STANDBY**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 342	<b>BACT Determination Date</b> 3/8/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** IC ENGINE  
**Unit Size/Rating/Capacity:** ≥ 500 BHP  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Joe Carle Phone No.: (279) 207-1121 email: jcarle@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Rich Burn: 60 ppmvd @ 15% O2 as methane; Lean Burn: 206 ppmvd @ 15% O2 as methane
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Rich Burn: 25 ppmvd @ 15% O2; Lean Burn: 0.5 g/bhp-hr
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Use of natural gas fuel or equivalent and good combustion practices
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Use of natural gas fuel or equivalent and good combustion practices
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	Use of natural gas fuel or equivalent and good combustion practices
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	See Description
	<b>Technology Description:</b>	1.5 g/bhp-hr
	<b>Basis:</b>	Achieved in Practice

**Comments** T-BACT is equivalent to BACT for VOC

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**LOADING RACK**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 333	<b>BACT Determination Date</b> 9/19/2023	<b>ACTIVE</b>
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**Equipment Information**

<b>Permit Number:</b> 27379
<b>Equipment Description:</b> APC TRUCK LOADING - BULK TERMINAL
<b>Unit Size/Rating/Capacity:</b> ALL
<b>Equipment Location:</b> SFPP, LP 2901 BRADSHAW RD SACRAMENTO, CA

**BACT Determination Information**

<b>District Contact:</b> Matt Baldwin Phone No.: (279) 207-1119 email: mbaldwin@airquality.org
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<b>ROCs</b>	<b>Standard:</b>	0.015 lb/1000 gal
	<b>Technology Description:</b>	Bottom fill loading (submerged pipe fill loading) with dry break couplers, or equivalent, and VOC emissions from the vapor collection and control system less than or equal to 0.015 pounds per 1,000 gallons of organic liquid transferred (A)
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	0.034 lb/1000 gal
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	Natural gas or LPG fired pilot and air assist
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	0.01 grains/scf
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	0.01 grains/scf
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	0.05 lb/1000 gal
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** (A)Emission factor is measured in accordance with CARB Vapor Recovery Test Procedure TP-203.1 – Determination of Emission Factor of Vapor Recovery Systems of Terminals (03-17-1999) or the methods (§60.503) described in 40 CFR Part 60 Subpart XX – Standards of Performance for Bulk Gasoline Terminals, which measures total mass of VOC emitted from the vapor processor as a function of the total volume of gasoline loaded by the loading rack.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**MANUFACTURING PROCESS**

BACT Category: MINOR SOURCE

<b>BACT Determination Number:</b> 334	<b>BACT Determination Date</b> 9/12/2023	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** CANNABIS OIL EXTRACTION  
**Unit Size/Rating/Capacity:** ALL  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Matt Baldwin Phone No.: (279) 207-1119 email: mbaldwin@airquality.org

<b>ROCs</b>	<b>Standard:</b>	95% solvent recovery or control
	<b>Technology Description:</b>	Closed-loop system for volatile and nonvolatile extraction units
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments**

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**MATERIAL HANDLING**

BACT Category: Small Emitter/Minor Source BACT

<b>BACT Determination Number:</b> 355	<b>BACT Determination Date</b> 1/12/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** Portable Aggregate Processing & Concrete/Asphalt Recycling  
**Unit Size/Rating/Capacity:** > 150 Tons/Hour  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Felix Trujillo Phone No.: (279) 207-1154 email: ftrujillo@airquality.org

<b>ROCs</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>NOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	See comments section.
	<b>Technology Description:</b>	See comments section.
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	See comments section.
	<b>Technology Description:</b>	See comments section.
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** Equipment/Process: Feeder, Crusher, Screen, Transfer & Storage  
 BACT: Use of water sprays on crushers, screens, conveyors and transfer points as necessary to show compliance with the most stringent 40 CFR Subpart OOO opacity limitations. The emissions from the entry feed hopper loading, stockpile loading and storage piles will be subject to an opacity limitation of 20%.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**MATERIAL - HANDLING**

BACT Category: MINOR SOURCE

<b>BACT Determination Number:</b> 316	<b>BACT Determination Date</b> 1/22/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PORTABLE WOOD WASTE/GREEN WASTE GRINDER  
**Unit Size/Rating/Capacity:** ALL  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Felix Trujillo Jr. Phone No.: (279) 207-1154 email: ftrujillo@airquality.org

<b>ROCs</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	Greenwaste with a moisture content of 30% or more must not remain at the site for longer than 48 hours after it has been ground, except for composting operations and ground material used as a biomass fuel, provided that the temperature is maintained below 122 degrees Fahrenheit or the moisture content is less than 30%.
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	VEE < or equal to 5% Opacity
	<b>Technology Description:</b>	Water spray or adequate moisture content of process materials
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	VEE < or equal to 5% Opacity
	<b>Technology Description:</b>	Water spray or adequate moisture content of process materials
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**MISCELLANEOUS**

BACT Category: Minor Source BACT

<b>BACT Determination Number:</b> 358	<b>BACT Determination Date</b> 2/15/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** 27780  
**Equipment Description:** FUEL CELL  
**Unit Size/Rating/Capacity:** ALL  
**Equipment Location:** SACRAMENTO REG. COUNTY SANITATION DISTRICT  
 8521 LAGUNA STATION RD ELK GROVE, CA

**BACT Determination Information**

**District Contact:** Felix Trujillo, Jr. Phone No.: (279) 207-1154 email: ftrujillo@airquality.org

<b>ROCs</b>	<b>Standard:</b>	0.02 lb/MW-hr
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	0.07 lb/MW-hr
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	0.10 lb/MW-hr
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice

**Comments** This BACT applies to waste gas and/or natural gas fueled fuel cells. DG Units that produce combined heat and power may take a credit to meet the emission standard above. Credit shall be at the rate of one MW-hr for each 3.4 million Btu's of heat recovered. To take the credit, the following must apply: (1) DG Units are sold with combined heat and power technology integrated into a standardized package by the manufacturer; and (2) DG Units achieve a minimum energy efficiency of 60 percent.



**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**MISCELLANEOUS**

BACT Category: MINOR SOURCE BACT

<b>BACT Determination Number:</b> 329	<b>BACT Determination Date</b> 12/28/2023	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** TANK DEGASSING  
**Unit Size/Rating/Capacity:** ALL  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** VENK REDDY Phone No.: (279) 207-1146 email: vreddy@airquality.org

<b>ROCs</b>	<b>Standard:</b>	50 ppmv @ 3% O2 or 99% control
	<b>Technology Description:</b>	Carbon, Oxidizer
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	Various based on fuel and temp
	<b>Technology Description:</b>	Low NOx burner
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	95% reduction or 2 lbs/day
	<b>Technology Description:</b>	SOx capture technology
	<b>Basis:</b>	Achieved in Practice
<b>PM10</b>	<b>Standard:</b>	Propane or Natural Gas
	<b>Technology Description:</b>	Use of clean fuels
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	Propane or Natural Gas
	<b>Technology Description:</b>	Use of clean fuels
	<b>Basis:</b>	Achieved in Practice
<b>CO</b>	<b>Standard:</b>	1,000 ppmv
	<b>Technology Description:</b>	Low NOx burner
	<b>Basis:</b>	Achieved in Practice

**Comments** NOx for Natural gas fuel is 20 ppmv @ 3% O2 or 0.024 lb/mmbtu  
 NOx for all other fuels and fuel mixtures is 60 ppmv @ 3% O2

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**ORGANIC LIQUID - LOADING**

BACT Category: MINOR SOURCE

<b>BACT Determination Number:</b> 331	<b>BACT Determination Date</b> 7/5/2023	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** ETHANOL TRANSLOADING  
**Unit Size/Rating/Capacity:** ALL  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Venk Reddy Phone No.: 279-207-1146 email: vreddy@airquality.org

<b>ROCs</b>	<b>Standard:</b>	0.08 lb/1000 gal
	<b>Technology Description:</b>	Balance system and 0.08 lbs VOC/1000 gal
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	No standard
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	No standard
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	No standard
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	No standard
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	No standard
	<b>Basis:</b>	

**Comments** This is a generic BACT determination based on BACT determinations made, and published, by other air agencies in California and/or other States.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**PHARMACEUTICAL PROCESS**

BACT Category: MINOR SOURCE BACT

<b>BACT Determination Number:</b> 332	<b>BACT Determination Date</b> 8/8/2023	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** PHARMACEUTICAL MANUFACTURING PROCESS (AMPAC)  
**Unit Size/Rating/Capacity:** BATCH PROCESSING  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Jeff Weiss Phone No.: (279) 207-1155 email: jweiss@airquality.org

<b>ROCs</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	Refrigerated condensers, afterburners, or carbon adsorbers per comments (below)
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** Afterburners, Refrigerated Condensers, or Carbon Adsorbers with a capture/control efficiency of  $\geq 90\%$ . For those chemical streams which preclude a control of 90% because of their chemical or physical characteristics, a  $\geq 0.3$  second retention time at  $\geq 1400$  °F for afterburners and an exit gas temperature of -25 °C for condensers will also satisfy BACT if emissions from reactors, distillation columns, crystallizer, evaporators, and centrifuges are less than 15 lb/day and emissions from dryers are less than 10 lb/day. A scrubber may also be used if it achieves a capture/control efficiency of  $\geq 90\%$ .

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**PRINTING PROCESS**

BACT Category: < 6,371 LBS/YEAR UNCONTROLLED V

<b>BACT Determination Number:</b> 365	<b>BACT Determination Date</b> 7/23/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** FLEXOGRAPHIC NON-HEATSET BOX FINISHING  
**Unit Size/Rating/Capacity:** Minor Source BACT  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Felix Trujillo Phone No.: (279) 207-1154 email: ftrujillo@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Comments
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** Use of materials compliant with SMAQMD Rule 450 - Graphic Arts, use of inks with < 1.5 lbs VOC/gal, less water and exempt compounds; or use of UV/EB or water-based inks/coatings < 180 g VOC/L (1.5 lbs VOC/gal), less water and exempt compounds, and use of adhesives with a VOC content not exceeding 0.021 lb/gal, less water and exempt compounds. No VOC clean-up solvents with use of water-based inks/coatings. See BACT Determination Evaluation for T-BACT determination.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**PRINTING PROCESS**

BACT Category: ≥ 6,371 LBS/YEAR UNCONTROLLED V

<b>BACT Determination Number:</b> 366	<b>BACT Determination Date</b> 7/23/2024	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** FLEXOGRAPHIC NON-HEATSET BOX FINISHING  
**Unit Size/Rating/Capacity:** Minor Source BACT  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Felix Trujillo Phone No.: (279) 207-1154 email: ftrujillo@airquality.org

<b>ROCs</b>	<b>Standard:</b>	See Comments
	<b>Technology Description:</b>	
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No Standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** Use of materials compliant with SMAQMD Rule 450 - Graphic Arts, use of inks with < 1.5 lbs VOC/gal, less water and exempt compounds; or use of UV/EB or water-based inks/coatings < 180 g VOC/L (1.5 lbs VOC/gal), less water and exempt compounds, and use of adhesives with a VOC content not exceeding 0.021 lb/gal, less water and exempt compounds. No VOC clean-up solvents with use of water-based inks/coatings. A VOC control device that has an overall system efficiency (collection and destruction) of at least 98.5% for VOC. See BACT determination evaluation for T-BACT determination.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**PRINTING PROCESS**

BACT Category: MINOR SOURCE BACT

<b>BACT Determination Number:</b> 325	<b>BACT Determination Date</b> 3/9/2023	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** LITHOGRAPHIC OFFSET HEATSET  
**Unit Size/Rating/Capacity:** ALL  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Joe Carle Phone No.: (279) 207-1121 email: jcarle@airquality.org

<b>ROCs</b>	<b>Standard:</b>	APC device with 98% efficiency
	<b>Technology Description:</b>	Dryer waste gas vented to a VOC control device with 98% control efficiency or an outlet VOC concentration of 10 ppmv and compliance with material limits in SMAQMD Rule 450 Sections 301 & 302
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	20 ppmv @ 3% O2 or 0.036 lb/MMBtu
	<b>Technology Description:</b>	Dryer combustion emissions ≤ 20 ppmv @ 3% O2 or ≤ 0.036 lb/MMBtu
	<b>Basis:</b>	Achieved in Practice
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	Vent to VOC control device
	<b>Technology Description:</b>	Vent dryer waste gas to a VOC control device
	<b>Basis:</b>	Achieved in Practice
<b>PM2.5</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	1000 ppmv @ 3% O2
	<b>Technology Description:</b>	Dryer combustion emissions ≤ 1000 ppmv @ 3% O2
	<b>Basis:</b>	Achieved in Practice

**Comments** T-BACT: Capture and vent to VOC control device with at least 98.5% destruction/recovery device efficiency

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**PRINTING PROCESS**

BACT Category: MINOR SOURCE

<b>BACT Determination Number:</b> 326	<b>BACT Determination Date</b> 3/9/2023	<b>ACTIVE</b>
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**Equipment Information**

**Permit Number:** N/A -- Generic BACT Determination  
**Equipment Description:** LITHOGRAPHIC OFFSET NON-HEATSET  
**Unit Size/Rating/Capacity:** ALL  
**Equipment Location:**

**BACT Determination Information**

**District Contact:** Joe Carle Phone No.: (279) 207-1121 email: jcarle@airquality.org

<b>ROCs</b>	<b>Standard:</b>	Low VOC materials (APC device if emissions ≥ 7806 lb/yr)
	<b>Technology Description:</b>	Compliance with the material limits in SMAQMD Rule 450 Sections 301 & 302. If the total uncontrolled VOC emissions from the unit are ≥ 7806 lbs/yr, a VOC control system must be installed with at least 98.5% overall system efficiency (capture and destruction).
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	No standard
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** T-BACT: Capture and vent to a VOC control device with at least 98.5% destruction/recovery device efficiency.

**SMAQMD BACT CLEARINGHOUSE**

CATEGORY TYPE:

**STERILIZER**

BACT Category: Small Emitter BACT (PTE < 10 lb/day)

<b>BACT Determination Number:</b> 335	<b>BACT Determination Date</b> 2/14/2024	<b>ACTIVE</b>
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**Equipment Information**

<b>Permit Number:</b> 27695
<b>Equipment Description:</b> BOTTLE STERILIZER
<b>Unit Size/Rating/Capacity:</b> < 10 lbs/day VOC
<b>Equipment Location:</b> HP HOOD, LLC 8340 BELVEDERE AVE SACRAMENTO, CA

**BACT Determination Information**

<b>District Contact:</b> Jeff Weiss	Phone No.: (916) 704-9995	email: Jweiss@airquality.org
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<b>ROCs</b>	<b>Standard:</b>	Refer to Comment Section (below)
	<b>Technology Description:</b>	Refer to Comment Section (below)
	<b>Basis:</b>	Achieved in Practice
<b>NOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>SOx</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM10</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>PM2.5</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	
<b>CO</b>	<b>Standard:</b>	
	<b>Technology Description:</b>	
	<b>Basis:</b>	

**Comments** Sterilization of food containers and production equipment is limited to 200 g/l VOC or must vent to an APC device with a minimum collection efficiency of 90% and a minimum control efficiency of 95% or have an output of less than 50 ppmv calculated as carbon with no dilution and compliance with Rule 466 Sec. 304.3  
Maintenance cleaning activities are limited to 25 g/l (0.21 lb/gal) or must vent to an APC device with a collection efficiency of 90% and either a control efficiency of 95% or have an output of less than 50 ppmv calculated as carbon with no dilution and compliance with Rule 466 Sec. 304.3