



Guidelines for Reporting Emissions from Automotive Body Shop Operations

December 2024

Introduction

Automotive repair facilities or any facility that uses automotive paints and coatings may be required to report their emissions under South Coast Air Quality Management District's (South Coast AQMD's) Rule 301(e) or the California Air Resource Board's (CARB's) Regulation for the reporting of Criteria Air Pollutants and Toxic Air Contaminants Regulation (CTR). This reporting is done through the Annual Emissions Reporting (AER) WebTool.

The activity threshold for reporting applicability is 50 gallons of total coating use. Auto body facilities which meet or exceed this activity threshold must submit an AER for data year 2024. Annual reporting will be required for data year 2026 and subsequent years the facility exceeds the threshold. The threshold includes 50 gallons of total combined coatings (e.g., 25 gallons of color coat and 25 gallons of clear coat, or 50 gallons of primer alone).

Coatings are composed of solvents and solids. The solvent is the liquid component that the solids are dissolved in and contain volatile organic compounds (VOC) pollutants. Some coatings are water-based and contain little to no VOC. The solids consist of binders and pigments which are particulate matter (PM) pollutants. The solvent (VOCs) evaporates after application and a portion of the solids (PM) remain on the surface of the substrate coated. When coatings are sprayed, some solids become airborne and become PM emissions. A typical automotive spray booth can control some but not all PM emissions. Both the solvent and solid portions of a coating can contain toxic air contaminants which must also be reported. Therefore, to comprehensively report all emissions from coating operations, the report must contain VOC, PM, and listed toxic air contaminants. Additionally, facilities that operate a natural gas-fired, heated spray booth will need to report combustion emissions associated with that heater.

Default Emission Factors

Emissions in the AER WebTool are calculated using coating throughputs, emission factors, transfer efficiencies, and control efficiencies. The amount of a category of paint used in a paint spray booth, typically in gallons, is the throughput of that paint category for that spray booth (termed a 'device' or 'emission source' in the WebTool). The amount of natural gas used to heat a paint spray booth, if so equipped, would be the throughput for that heater. Emission Factors (EFs) are ratios of how much emissions are produced for a particular throughput of that activity. In the case of coatings, the emission factor is typically described in pounds of pollutant per gallon of paint (e.g., lb/gal).

South Coast AQMD has provided default EFs for various automotive coatings categories for reporting.¹

VOC Emissions

The emission factor for VOC coatings is the VOC content. Default VOC emission factors provided in the AER WebTool are based on Rule 1151 limits and will auto-populate during reporting.

PM Emissions

PM Control Efficiency

Particulate matter is captured by the filters in the spray booth. The default control efficiency of standard spray booth filters is 90 percent, which will populate in the AER WebTool as 0.90.

PM Transfer Efficiency

While the goal of applying a coating is to cover the substrate with a protective or decorative coating, not all application methods result in all the coating applied to the substrate. Brush application or dipping parts into paint results in all the coating applied to the substrate. However, when sprayed, some of the coating does not adhere to the substrate. The transfer efficiency represents the fraction of the coating that adheres to the substrate. High volume, low pressure (HVLP) spray guns have a default transfer efficiency of 65 percent, which is entered as fraction into the AER WebTool. This means that 65 percent of the PM portion of the coating adheres to the substrate, and 35 percent of the PM portion of the coating is emitted to the air.

PM Solid Content

PM emissions are estimated from the solid content of the coatings. Default solid contents are provided by the AER WebTool. The default solid content 3.0 lb/gal.

Toxic Air Contaminant Emissions

Toxic Air Contaminants (TACs) in coatings are categorized as either PM or VOC. PM TACs are the TACs that make up the solid portion of the coating while VOC TACs are the TACs that make up the solvent portion of the coating. The AER WebTool will provide the correct transfer efficiency based on the type of application and coating category the user enters. Default TAC emissions will also be automatically loaded.

Solvent Use

Cleaning solvents are used for various cleaning operations at an auto body facility. Solvents containing VOC must also be reported. Other cleaning products not containing VOC, such as acetone, do not have to be reported. Facilities using only Rule 1171-compliant solvents may enter 0.21 lb/gal as a default value, which is based on the 25 g/L Rule 1171 limit.

¹ See Excel file listing default emission factors for auto body coatings:

<https://www.aqmd.gov/docs/default-source/planning/annual-emission-reporting/final-automotive-ef-for-im-11-01-2024-with-tac-id-and-voc-pm.xlsx>

Heater Emissions

Some spray booths are equipped with natural gas heaters to accelerate drying or curing of the applied coatings. Combustion of natural gas generates emissions and must be reported. Default combustion emission factors are provided in the WebTool. The reporter may estimate gas usage from direct measurement, such as a gas meter, or from utility bills. Electric heaters do not generate emissions and therefore do not need to be reported.

If the natural gas heater is equipped with a gas meter, use the meter to obtain the annual throughput. Otherwise, gas usage can be estimated using gas bills. Gas bills often provide a monthly average usage in units of therms. This monthly average can be multiplied by 12 to estimate the annual usage. If more than one booth is equipped with a natural gas heater, divide the annual throughput by the number of booths to estimate the usage of each booth.

Reporting Spray Booth Emissions in the AER WebTool:

Spray booths do not qualify for Abbreviated Reporting. Do not select Abbreviated Reporting if the facility includes a spray booth.

- For most facilities all permitted equipment, including spray booths, will be preloaded in the AER WebTool. Under the Emission Sources (ES) tab, these permitted devices are found in the green table. To view details and edit these pieces of equipment, select the blue profile link on the left-hand side of the table. If the user does not see their device, they can click on the orange button above 'Add New Emission Source' and add the device.

Facility ID: 999007

[Facility Comments](#)

[Abbreviated Reporting](#)

[1. Facility Information](#)

[2. Status Update](#)

[3. Combustion Fuels](#)

[4. Emission Sources \(ES\)](#)

[5. Report Process/Emissions](#)

[6. Additional Toxic Substances Production and Usage](#)

[7. Perform Data Validation](#)

[8. Review Summaries](#)

[9. Print Facility Report](#)

[10. Report Submission](#)

Build Reporting Structure

Emission Sources (ES) Classification

Summary: This section contains facility permit profile. Please make sure that every device has a specified Emission Source (ES). New emission sources can also be added.

Instruction: Add Devices (emissions sources) by clicking "Add New Emission Source". Edit devices by clicking "Profile" under the Emission Source (ES) Column. Add emission data by clicking "Open" under the Emissions column. Upload storage tank data by clicking on link "Click here" below.

Abbreviated Reporting

Starting in Reporting Year 2022 some facilities can qualify for Abbreviated Reporting
Your eligibility to file Abbreviated Report depends in part on the types of Emission Sources used at your Facility.
Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Storage Tank Emissions Batch File Import - [Click here](#) for more instructions.

Add New Emission Source

Displaying 3 emission sources.

A/N

AER Device ID

Permit NO

Permit Device ID

Search Emission Sources

Search: [Print Preview](#)

Emission Source (ES)	Emissions	A/N	Permit NO	Permit Device ID	Permit Equipment Description	AER Device ID	ES Name	ES Group Name	Source Category	Has Emissions	Equipment	PERP	Release Location Linked	ES Status
Profile	Open	654321				ES6	South Booth		Spray Coating/Spray Booth	Y	Automotive Spray Booth	N	NR	Work in progress
Profile	Open	456123				ES5	North Spray Booth		Spray Coating/Spray Booth	Y	Automotive Spray Booth	N	NR	Work in progress
Profile	Open	123456				ES4	Spray Booth		Spray Coating/Spray	Y	Automotive Spray Booth	N	NR	Work in progress

- Fill out all required information as denoted by the red asterisk next to the field. Required fields including ES Name (the user should enter the name used at the facility for the device for easy reference, e.g., Booth No 1), and then select the Operating ES Status from the drop-down menu.

Facility ID: 99900/

Edit Emission Source

Instruction: Add new emissions sources using information found on permits, manufacturers specifications, or identifying placards. Select the Operating ES Status that best reflect the device's operation for this reporting period. All areas with a Red Asterisk (*) must be addressed. Note: Some devices have been pre-populated, verify that the information is correct

Abbreviated Reporting
 Starting in Reporting Year 2022 some facilities can qualify for Abbreviated Reporting
Your eligibility to file Abbreviated Report depends in part on the types of Emission Sources used at your Facility.
 Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Facility Comments

Abbreviated Reporting

1. Facility Information
2. Status Update
3. Combustion Fuels
4. Emission Sources (ES)
5. Report Process/Emissions
6. Additional Toxic Substances Production and Usage
7. Perform Data Validation
8. Review Summaries
9. Print Facility Report
10. Report Submission

Permitted	<input checked="" type="checkbox"/>
A/N	456123 ⓘ
PERP Equipment (CARB's Portable Equipment Registration Program)	<input type="checkbox"/> ⓘ
Permit No	ⓘ
Permit Device ID	<input type="text"/>
Permit Equipment Description	<input type="text"/>
AER Device ID	E55 Assign new ID
ES Name	North Spray Booth *
Operating ES Status	Normal Operation * ⌵
Comment	<input type="text"/>
Emission Source Category	Categorize Emission Source *
Equipment	<input type="text"/>
Design Capacity	0.000000 <input type="text"/>

Save or Save and return to List of Emission Sources or
Save and proceed to Process Reporting or [Cancel](#)

Optional: Save and Mark as Completed
Click here to [delete](#) this emission source and associated data.

- Next, click on the orange Categorize Emission Source button. The pop-up window shown in the image below will appear. Select “Click Here” in Item 3. Spray Coating/Spray Booth, then check the box for “Automotive Spray Booth”.

If your spray booth is equipped with a gas fired heater you will also need to categorize it in this step. Select “Click Here” 1.External Combustion Equipment. then check the box for heater based on the rating of the heater. Most spray booth heaters are in the 10-100 MMBTU Range, but you can check your equipment or permit to verify. (Instructions for heated booths continue in step 10 of this guidance document). Finally, click the orange save button at the bottom of the dialog box.

Facility ID: 999007

Edit Emission Source

Facility Comments

Abbreviated Reporting

1. Facility Information

2. Status Update

3. Combustion Fuels

4. Emission Sources (ES)

5. Report Process/Emissions

6. Additional To

7. Substances Prod

8. Usage

9. Perform Data

10. Review Summ

11. Print Facility

12. Report Subr

Instruction: Add new emissions sources using information found on permits, manufacturers specifications, or identifying placards. Select the Operating ES Status that best reflect the device's operation for this reporting period. All areas with a Red Asterisk (*) must be addressed. Note: Some devices have been pre-populated, verify that the information is correct

Categorize Emission Source

Permitted	A/N	Permit No	Permit Device ID	Permit Equipment Description	AER Device ID	ES Name
Yes	456123				ES5	North Spray Booth

All Emission Source with this icon Ⓜ qualify for AER Abbreviated Reporting

Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

- External Combustion Equipment (e.g., boiler, dryer, oven, furnace, heater, afterburner, flare, kiln or incinerator) [click here](#) to select one of the following Equipment:
- Internal Combustion Equipment (e.g., internal combustion engine (excluding vehicles), turbine or micro turbine) [click here](#) to select one of the following Equipment:
- Spray Coating/Spray Booth (e.g., coatings, solvents, adhesives, etc.) [click here](#) to select one of the following Equipment:
 - Spray Booth
 - Automotive Spray Booth
 - Open Spray
- Other Use of Organics (e.g., coatings, solvents, inks, adhesives, etc.) except in Spray Coating/Spray Booth, [click here](#) to select one of the following Equipment:
- Liquid Storage Tank (e.g. Underground, Aboveground, Small Tanks, Dispensing Systems) [click here](#) to select one of the following Equipment:

Equipment

Design Capacity: 0.000000

Save or Save and return to List of Emission Sources or

Save and proceed to Process Reporting or Cancel

Optional: Save and Mark as Completed

Click here to [delete](#) this emission source and associated data.

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Edit Emission Source

Facility Comments

Abbreviated Reporting

Instruction: Add new emissions sources using information found on permits, manufacturers specifications, or identifying placards. Select the Operating ES Status that best reflect the device's operation for this reporting period. All areas with a Red Asterisk (*) must be addressed. Note: Some devices have been pre-populated, verify that the information is correct.

Categorize Emission Source

Permitted	A/N	Permit No	Permit Device ID	Permit Equipment Description	AER Device ID	ES Name
Yes	112233				ESnull	Booth Heater

All Emission Source with this icon **A** qualify for AER Abbreviated Reporting

Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

1. External Combustion Equipment (e.g., boiler, dryer, oven, furnace, heater, afterburner, flare, kiln or incinerator) [click here](#) to select one of the following Equipment:

- Boiler <10 MMBTU/HR **A**
- Boiler 10-100 MMBTU/HR **A**
- Boiler >100 MMBTU/HR **A**
- Oven <10 MMBTU/HR **A**
- Oven 10-100 MMBTU/HR **A**
- Oven >100 MMBTU/HR **A**
- Dryer <10 MMBTU/HR **A**
- Dryer 10-100 MMBTU/HR **A**
- Heater 10-100 MMBTU/HR **A**
- Heater >100 MMBTU/HR **A**
- Space/Water heater - not related to a process <10 MMBTU/HR **A**
- Afterburner <10 MMBTU/HR **A**
- Afterburner 10-100 MMBTU/HR
- Afterburner >100 MMBTU/HR
- Kilns
- Incinerator
- Crematorium **A**

Emission Source Category: Categorize Emission Source

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Edit Emission Source

Facility Comments

Abbreviated Reporting

Instruction: Add new emissions sources using information found on permits, manufacturers specifications, or identifying placards. Select the Operating ES Status that best reflect the device's operation for this reporting period. All areas with a Red Asterisk (*) must be addressed. Note: Some devices have been pre-populated, verify that the information is correct.

Abbreviated Reporting

Starting in Reporting Year 2022 some facilities can qualify for Abbreviated Reporting
Your eligibility to file Abbreviated Report depends in part on the types of Emission Sources used at your Facility.
Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Permitted	<input checked="" type="checkbox"/>
A/N	123456 i
PERP Equipment(CARB's Portable Equipment Registration Program)	<input type="checkbox"/> i
Permit No	i
Permit Device ID	<input type="text"/>
Permit Equipment Description	<input type="text"/>
AER Device ID	ES4 Assign new ID
ES Name	Spray Booth 13 *
Operating ES Status	Normal Operation *
Comment	<input type="text"/>
Emission Source Category	External Combustion, Spray Coating/Spray Booth Categorize Emission Source *
Equipment	Heater 10-100 MMBTU/HR
Application Type	HVLP Spray *
Coating Categories	<input type="checkbox"/> Adhesion Promoter <input checked="" type="checkbox"/> Clear Coating <input checked="" type="checkbox"/> Color Coating <input type="checkbox"/> Pretreatment Coating <input type="checkbox"/> Primer <input type="checkbox"/> Single-Stage Coating <input checked="" type="checkbox"/> Truck Bed Liner Coating <input type="checkbox"/> Underbody Coating

4. Several options will appear under the Categorize Emission Source button. Select the application type of the spray booth from the drop-down menu. Next, check the boxes for the all the types of coatings that were applied in the spray booth during the year. Be sure to add all coatings here before proceeding, as returning to this page to make edits may cause data loss.

Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Permitted	<input checked="" type="checkbox"/>
A/N	456123 i
PERP Equipment(CARB's Portable Equipment Registration Program)	<input type="checkbox"/> i
Permit No	<input type="text"/> i
Permit Device ID	<input type="text"/>
Permit Equipment Description	<input type="text"/>
AER Device ID	ES5 Assign new ID
ES Name	North Spray Booth *
Operating ES Status	Normal Operation *
Comment	<input type="text"/>
Emission Source Category	Spray Coating/Spray Booth Categorize Emission Source *
Equipment	Automotive Spray Booth
Application Type	<input type="text"/> *
Coating Categories	<input type="checkbox"/> Adhesion Promoter <input type="checkbox"/> Clear Coating <input type="checkbox"/> Color Coating <input type="checkbox"/> Pretreatment Coating <input type="checkbox"/> Primer <input type="checkbox"/> Single-Stage Coating <input type="checkbox"/> Truck Bed Liner Coating <input type="checkbox"/> Underbody Coating <input type="checkbox"/> Uniform Finishing Coating <input type="checkbox"/> Any Other Coating Type
Design Capacity	0.000000 <input type="text"/>

Save or Save and return to List of Emission Sources or
Save and proceed to Process Reporting or Cancel
Optional: Save and Mark as Completed

Click here to [delete](#) this emission source and associated data.

5. Once the types of coatings are selected you can click the orange ‘Save and Return to List of Emission Sources’ button to return to the previous Emission Source page or click the ‘Save and Proceed to Process Reporting’ button to continue to emissions reporting for this device. For this example, user should click on ‘Save and Proceed to Process Reporting’ button.

Facility ID: 77788

Facility Comments

Abbreviated Reporting

1. Facility Information
2. Status Update
3. Combustion Fuels
4. Emission Sources (ES)
5. Report Process/Emissions
5. Additional Toxic Substances Production and Usage
7. Perform Data Validation
8. Review Summaries
9. Print Facility Report
10. Report Submission

Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Permitted	<input checked="" type="checkbox"/>
A/N	456123 i
PERP Equipment(CARB's Portable Equipment Registration Program)	<input type="checkbox"/> i
Permit No	i
Permit Device ID	<input type="text"/>
Permit Equipment Description	<input type="text"/>
AER Device ID	E55 Assign new ID
ES Name	North Spray Booth *
Operating ES Status	Normal Operation *
Comment	<input type="text"/>
Emission Source Category	Spray Coating/Spray Booth Categorize Emission Source *
Equipment	Automotive Spray Booth
Application Type	<input type="text"/> *
Coating Categories	<input type="checkbox"/> Adhesion Promoter <input type="checkbox"/> Clear Coating <input type="checkbox"/> Color Coating <input type="checkbox"/> Pretreatment Coating <input type="checkbox"/> Primer <input type="checkbox"/> Single-Stage Coating <input type="checkbox"/> Truck Bed Liner Coating <input type="checkbox"/> Underbody Coating <input type="checkbox"/> Uniform Finishing Coating <input type="checkbox"/> Any Other Coating Type
Design Capacity	0.000000 <input type="text"/>

[Save](#) or [Save and return to List of Emission Sources](#) or [Save and proceed to Process Reporting](#) or [Cancel](#)

Optional: [Save and Mark as Completed](#)

Click here to [delete](#) this emission source and associated data.

- The following window will then pop-up showing processes for each of the types of coatings selected previously. Click the blue Open link next to the first Spray Coating/Spray Booth option in the table. The user can also open the processes from the '5. Report Processes/Emissions' page on the left-hand menu of the page and navigating to the 'Spray Coating/Spray Booth' category.

Facility ID: 999007

Work In Progress - Facility ID: 999007 - SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) - Reporting period: 2024

Form data is successfully saved.

Build Reporting Structure

Emission Sources (ES) Classification

Process References

Emissions	A/N	Permit No	Permit Device ID	Permit Device Description	AER Device ID	ES Name	ES Group Name	Source Category	Emissions?	Equipment	PERP	Release Location Linked
Open	123456				ES4	Spray Booth 13		External Combustion, Spray Coating/Spray Booth	Y	Heater 10-100 MMBTU/HR	N	NR

	Process ID	Source Group	Process/Material/Fuel Name	Status	Operation Type
Open	P1	Spray Coating/Spray Booth	Clear Coating	Work in progress	routine
Open	P2	Spray Coating/Spray Booth	Color Coating	Work in progress	routine
Open	P3	Spray Coating/Spray Booth	Truck Bed Liner Coating	Work in progress	routine
Open	P4	External Combustion		Work in progress	routine

[Add Process/Material/Fuel](#) ⓘ

OK

Facility ID: 999007

Back to Emission Source Process Reference

Spray Coating/Spray Booth

Please provide specific information for every process associated with the organics used in spray coating/spray booth including usage, emission factor, and control efficiency (if any). **Please start with Step 1, edits to Step 1 may cause data in the following steps to reset.** Detailed instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you **Must** only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Step 1: Process Optional: Mark as Completed

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
Open	ES5	456123	P1	1151	Coating:Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations:HVLPA Application:Clear Coating	Clear Coating	40201606

[Click here to delete this process.](#)

Step 2: Throughput

Annual Throughput	
Open	

Step 3: Criteria Emissions (lbs)

Pollutant	EF	Unit	EF Data Source	Overall CE	Emissions
Open	VOC	2.10000000e+0	lbs / AQMD default		
Open	PM	1.05000000e+0	lbs / AQMD default	0.90000000	

[Add New](#)

Step 4: Toxic (TAC/ODC) Emissions (lbs)

- Click the blue Open link under Step 2: Throughput and fill out all required information as denoted by the red asterisks next to the fields. This will include the throughput and how the throughput measurement was acquired or recorded. Click on the orange Save button once all relevant information has been entered.

Facility ID: 999007

Back to Emission Source Process Reference

Spray Coating/Spray Booth

Please provide specific information for every process associated with the organics used in spray coating/spray booth including usage, emission factor, and control efficiency (if any). Please start with Step 1, edits to Step 1 may cause data in the following steps to reset. Detailed instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you Must only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Step 1: Process Optional: Mark as Completed

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
Open	ES5		456123	P1	1151	Coating:Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations:HVLP Application:Clear Coating	Clear Coating 40201606

[Click here to delete this process.](#)

Step 2: Throughput

[Open](#) Annual Throughput

Step 3: Criteria Emissions (lbs)

Pollutant	EF	Unit	EF Data Source	Overall CE	Emissions
Open	VOC	2.10000000e+0	lbs /	AQMD default	
Open	PM	1.05000000e+0	lbs /	AQMD default	0.90000000

[Add New](#)

Step 4: Toxic (TAC/ODC) Emissions (lbs)

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Spray Coating/Spray Booth

Please provide specific information for every process associated with the organics used in spray coating/spray booth including usage, emission factor, and control efficiency (if any). Please start with Step 1, edits to Step 1 may cause data in the following steps to reset. Detailed instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you Must only use AQMD Default Emission Factors.

Optional: Mark as Completed

Edit Throughput Information - Spray Coating/Spray Booth

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
ES4		111111	P2	1151	Coating:Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations:HVLP Application:Clear Coating	Clear Coating	40201606

Annual Throughput
100.00000000 gal

Usage (Annual Throughput) gal

Throughput Type

Throughput Origin

Usage Comment

[Save](#) [Cancel](#)

Step 3: Criteria Emissions (lbs)

Pollutant	EF	Unit	EF Data Source	Overall CE	Emissions
Open	VOC	2.10000000e+0	lbs / gal	AQMD default	2.10000000e+2
Open	PM	1.05000000e+0	lbs / gal	AQMD default	0.90000000

[Add New](#)

8. The AER WebTool will automatically calculate both criteria and toxic pollutant emissions based on the user entered throughput using default emission factors. Click on the orange 'Back to Emission Source Process Reference' button at the bottom of the page to return to the list of coatings.

Step 3: Criteria Emissions (lbs)

	Pollutant	EF	Unit	EF Data Source	Overall CE	Emissions
Open	VOC	2.1000000e+0	lbs / gal	AQMD default		2.1000000e+2
Open	PM	1.0500000e+0	lbs / gal	AQMD default	0.90000000	1.0500000e+1

[Add New](#)

Facility ID: 999007

Facility Comments

Abbreviated Reporting

1. Facility Information
2. Status Update
3. Combustion Fuels
4. Emission Sources (ES)
5. Report Process/Emissions

Combustion

- External Combustion
- Internal Combustion

Use of organics

- Spray Coating/Spray Booth**
- Other Use of Organics
- Storage Tanks
- Fugitive Components
- Other Processes
- Process Upset

6. Additional Toxic Substances Production and Usage
7. Perform Data Validation
8. Review Summaries
9. Print Facility Report
10. Report Submission

				gas	default	
Open	Diethylene glycol monoethyl ether	111900	2.73110390e-5	lbs / gal	AQMD default	2.73110390e-3
Open	Ethylene glycol monobutyl ether acetate	112072	3.21300674e-2	lbs / gal	AQMD default	3.21300674e+0
Open	Diethylene glycol monobutyl ether	112345	5.46219343e-6	lbs / gal	AQMD default	5.46219343e-4
Open	Ethylene glycol monophenyl ether	122996	1.60272500e-3	lbs / gal	AQMD default	1.60272500e-1
Open	Diethylene glycol monobutyl ether acetate	124174	4.42969017e-3	lbs / gal	AQMD default	4.42969017e-1
Open	Dipropylene glycol	25265718	1.89480086e-6	lbs / gal	AQMD default	1.89480086e-4
Open	Dipropylene glycol monomethyl ether	34590948	1.38933456e-4	lbs / gal	AQMD default	1.38933456e-2
Open	n-Butyl alcohol	71363	5.19540835e-4	lbs / gal	AQMD default	5.19540835e-2
Open	Hexane	110543	3.02371114e-6	lbs / gal	AQMD default	3.02371114e-4
Open	Hydrochloric acid	7647010	2.17100000e-9	lbs / gal	AQMD default	0.90000000
Open	Hexamethylene-1,6-diisocyanate	822060	1.61801278e-3	lbs / gal	AQMD default	1.61801278e-1
Open	Isophorone diisocyanate [IPDI]	4098719	6.58665430e-4	lbs / gal	AQMD default	6.58665430e-2
Open	Methanol	67561	2.55978038e-4	lbs / gal	AQMD default	2.55978038e-2
Open	Methyl ethyl ketone [2-Butanone]	78933	6.44985210e-2	lbs / gal	AQMD default	6.44985210e+0
Open	Methyl isobutyl ketone [Hexone]	108101	5.71672143e-2	lbs / gal	AQMD default	5.71672143e+0
Open	Triphenyl phosphite [POM]	101020	5.97078326e-4	lbs / gal	AQMD default	0.90000000
Open	Propylene oxide	75569	4.84936855e-8	lbs / gal	AQMD default	4.84936855e-6
Open	Styrene	100425	4.22745780e-4	lbs / gal	AQMD default	4.22745780e-2
Open	Toluene	108883	1.60692694e-2	lbs / gal	AQMD default	1.60692694e+0
Open	Cumene	98828	7.01941580e-4	lbs / gal	AQMD default	7.01941580e-2
Open	Xylenes	1330207	1.95616037e-1	lbs / gal	AQMD default	1.95616037e+1
Open	Cyclohexane	110827	2.61585474e-5	lbs / gal	AQMD default	2.61585474e-3
Open	1-Chloro-4-(trifluoromethyl)benzene [PCBTF]	98566	3.18616372e+0	lbs / gal	AQMD default	3.18616372e+2
Open	N-methyl-2-pyrrolidone [N-Methylpyrrolidone] [NMP]	872504	3.39789337e-4	lbs / gal	AQMD default	3.39789337e-2

[Add New](#)

[« Back to Emission Source Process Reference](#)

- Once back at the list of coatings repeat Steps 6 through 8 for all the different types of coatings used in that spray booth. If reporting emissions from a heated booth proceed to step 10 of these instructions.

Facility ID: 999007 Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Form data is successfully saved.

Build Reporting Structure

Emission Sources (ES) Classification

Process References

Emissions	A/N	Permit No	Permit Device ID	Permit Device Description	AER Device ID	ES Name	ES Group Name	Source Category	Emissions?	Equipment	PERP	Release Location Linked
Open	123456				ES4	Spray Booth 13		External Combustion, Spray Coating/Spray Booth	Y	Heater 10-100 MMBTU/HR	N	NR

Process ID	Source Group	Process/Material/Fuel Name	Status	Operation Type
Open	P1	Spray Coating/Spray Booth	Clear Coating	Work in progress routine
Open	P2	Spray Coating/Spray Booth	Color Coating	Work in progress routine
Open	P3	Spray Coating/Spray Booth	Truck Bed Liner Coating	Work in progress routine
Open	P4	External Combustion		Work in progress routine

[Add Process/Material/Fuel](#) ⓘ

[OK](#)

Note: The following set of instructions pertains only to booths equipped with a gas-powered heater. If the facility has no spray booths that are heated with a natural gas heater, repeat steps 2-9 for other booths without following steps 10-14

10. To report emissions from a natural gas heater, the Fuel must be added first. From the main menu on the left click '3. Combustion Fuels' and click the orange 'Add New Fuel' button. The following menu will appear where you can select various fuel types used in the spray booth heater. Be sure to verify the correct fuel for your equipment. If there is more than one spray booth heater and they use different fuels, the other fuels should also be added during this step.

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Facility Comments

Abbreviated Reporting

1. Facility Information
2. Status Update
- 3. Combustion Fuels**
4. Emission Sources (ES)
5. Report Process/Emissions
6. Additional Toxic Substances Production and Usage
7. Perform Data Validation
8. Review Summaries
9. Print Facility Report
10. Report Submission

Combustion Fuels Specification

Summary: This section informs the South Coast AQMD of the combustion fuels (fuels being burned) that were used in the facility.

Instruction: Click on "Add New Fuel" to specify all the combustion fuels (fuels being burned) that were used in the facility during this reporting period. Do not include fuels used exclusively in vehicles.

Add New Fuel ⓘ

Action	Fuel Name	Qualifies for Abbreviated Reporting	Comment

AQMD web site Home | AER Web Site | Submit question/comment | Report a Bug

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Facility Comments

Abbreviated Reporting

1. Facility Information
2. Status Update
3. Combustion Fuels
4. Emission Sources (ES)
5. Report Process/Emissions
6. Additional Toxic Substances Production and Usage
7. Perform Data Validation
8. Review Summaries
9. Print Facility Report
10. Report Submission

Edit Combustion Fuel Data

Fuel

Comment

Save or **Cancel**

- Kerosene
- BioDiesel
- Wood
- Tires
- Coke
- Jet Naphtha (Jet B)
- Jet A
- Refinery Gas/Refinery Mixed Gas
- Residual Fuel Oil No. 6
- Digester Gas (Biogas)
- Landfill Gas (Biogas)
- Aviation Gasoline
- Gasoline
- Distillate Fuel Oil No. 4
- Distillate Fuel Oil No. 2 (Diesel)
- Distillate Fuel Oil No. 1
- Propane
- Butane
- LPG
- Natural Gas**

AQMD web site Home | AER Web Site | Submit question/comment | Report a Bug

11. The user can then open the processes from the ‘5. Report Processes/Emissions’ option on the left-hand menu of the page and navigate to the ‘External Combustion’ category. If the facility has multiple heated booths there will be a process listing for each of them. Click the blue ‘Open’ text next to the AER Device ID that is being reported.

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Facility Comments

Abbreviated Reporting

1. Facility Information

2. Status Update

3. Combustion Fuels

4. Emission Sources (ES)

5. Report Process/Emissions

Combustion

External Combustion

Internal Combustion

Use of organics

Spray Coating/Spray Booth

Other Use of Organics

Storage Tanks

Fugitive Components

Other Processes

Process Upset

5. Additional Toxic Substances Production and Usage

7. Perform Data Validation

3. Review Summaries

Print Facility Report

10. Report Submission

External Combustion

Please provide specific information for every process associated with your external combustion Emission Sources including usage, emission factor and control efficiency (if any). **Combustion fuels must be selected on the combustion fuels page (see 3. Combustion Fuels link in the menu on the left-side) before entering data on this page.** Detail instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you **Must** only use **AQMD Default Emission Factors**. If you select anything other than **AQMD Default Emission Factors** you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

External Combustion Process List Overview

Add New Process to ES Print Preview

	AER Device ID	Permit Device ID	A/N	Process ID	Status	Equipment	Fuel	Fuel Usage	Units
Open	ESZ		112233	P1	Work in Progress	Heater 10-100 MMBTU/HR		0	
Open	ES4		123456	P4	Work in Progress	Heater 10-100 MMBTU/HR		0	

Search:

12. The following page will open. Click the 'Open' link under Step 1: Process and fill out all required information as denoted by the red asterisks next to the fields. This will include the fuel and the applicable rule Number. The applicable rule is Rule 1147. Click on the orange Save button once all relevant information has been entered. A dialog box will pop up informing you that Default EFs have been assigned, click the orange OK button to dismiss this dialog box.

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Back to Emission Source Process Reference

External Combustion

Please provide specific information for every process associated with your external combustion Emission Sources including usage, emission factor and control efficiency (if any). Combustion fuels must be selected on the combustion fuels page (see 3. Combustion Fuels link in the menu on the left-side) before entering data on this page. Detail instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting
 Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you Must only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Optional: Mark as Completed

Step 1: Process

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	PERP	Fuel	SCC
Open 57		112233	P1		Heater 10-100 MMBTU/HR	No		

Click here to [delete](#) this process.

Step 2: Throughput

Annual Throughput	Criteria/Toxic Throughput
Open	

Step 3: Criteria Emissions (lbs) Use [Default Emission Factors](#) if available.

Pollutant	EF	Unit	EF Data Source	Emissions
Open VOC		lbs /		
Open NOx		lbs /		
Open SOx		lbs /		
Open CO		lbs /		
Open PM		lbs /		

Step 4: Toxic (TAC/ODC) Emissions (lbs) Use [Default Emission Factors](#) if available.

TAC/ODC Group	CAS #	EF	Unit	EF Data Source	Emissions
Add New					

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Back to Emission Source Process Reference

External Combustion

Please provide specific information for every process associated with your external combustion Emission Sources including usage, emission factor and control efficiency (if any). Combustion fuels must be selected on the combustion fuels page (see 3. Combustion Fuels link in the menu on the left-side) before entering data on this page. Detail instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting
 Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you Must only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Optional: Mark as Completed

Step 1: Process

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	PERP	Fuel	SCC
Open ES4		111111	P5		Heater 10-100 MMBTU/HR	No		

Click here to [delete](#) this process.

Step 2: Throughput

Annual Throughput	Criteria/Toxic Throughput
Open ES4	

Step 3: Criteria Emissions (lbs) Use [Default Emission Factors](#) if available.

Pollutant	EF	Unit	EF Data Source	Emissions
Open VOC		lbs /		
Open NOx		lbs /		
Open SOx		lbs /		
Open CO		lbs /		
Open PM		lbs /		

Edit Emission Process - External Combustion

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	PERP	Fuel	SCC
ES4		111111	P5		Heater 10-100 MMBTU/HR	No		

AER Device Name: HEAT Rounds Authorized

PERMITTED AN: 111111 Permit Device ID

Process ID: P5 Process Name

Process Comment

SCC

Fuel: **Natural Gas**

Rule #: **1147** [Add Rule](#)

Equipment: Heater 10-100 MMBTU/HR

[Save](#) [Cancel](#)

- Click the Open link under 'Step 2: Throughput' and fill out all required information as denoted by the red asterisks next to the fields. This will include the throughput, unit, and how the throughput measurement was acquired or recorded. Enter this as your throughput and select 'Product or raw material records e.g. receipts/invoices/bills' as your throughput origin. Click on the orange Save button once all relevant information has been entered.

Work In Progress - Facility ID: 999007 - SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) - Reporting period: 2024

Facility ID: 999007

Back to Emission Source Process Reference

External Combustion

Please provide specific information for every process associated with your external combustion Emission Sources including usage, emission factor and control efficiency (if any). Combustion fuels must be selected on the combustion fuels page (see 3. Combustion Fuels link in the menu on the left-side) before entering data on this page. Detail instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you Must only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Step 1: Process Optional: Mark as Completed

	AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	PERP	Fuel	SCC
Open	ES7		112233	P1		Heater 10-100 MMBTU/HR	No		

Click here to [delete](#) this process.

Step 2: Throughput

	Annual Throughput	Criteria/Toxic Throughput
Open		

Step 3: Criteria Emissions (lbs) Use [Default Emission Factors](#) if available.

	Pollutant	EF	Unit	EF Data Source	Emissions
Open	VOC		lbs /		

Work In Progress - Facility ID: 999007 - SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) - Reporting period: 2024

Facility ID: 999007

External Combustion

Please provide specific information for every process associated with your external combustion Emission Sources including usage, emission factor and control efficiency (if any). Combustion fuels must be selected on the combustion fuels page (see 3. Combustion Fuels link in the menu on the left-side) before entering data on this page. Detail instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you Must only use AQMD Default Emission Factors.

Edit Throughput Information - External Combustion

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	PERP	Fuel	SCC
ES4	111111	PS	1147		Heater 10-100 MMBTU/HR	No	Natural Gas	

Optional: Mark as Completed

Annual Throughput

Fuel Usage (Annual Throughput) * *

Throughput Type *

Throughput Origin *

Fuel Usage Comment

Save **Cancel**

Step 3: Criteria Emissions (lbs) Use [Default Emission Factors](#) if available.

	Pollutant	EF	Unit	EF Data Source	Emissions
Open	VOC		7.00000000e+0	lbs /	AQMD default
Open	NOx		1.30000000e+2	lbs /	AQMD default
Open	SOx		6.00000000e-1	lbs /	AQMD default
Open	CO		3.50000000e+1	lbs /	AQMD default
Open	PM		7.50000000e+0	lbs /	AQMD default

14. The AER WebTool will automatically calculate both criteria and toxic pollutant emissions based on your throughput entered previously. Once completed with this spray booth heater you can select another following the same process from step 11 and repeat the process for all heaters.

Reporting Emissions from Spray cleaning equipment and solvent use

1. Facilities must report their usage of solvents used in the cleaning of spray guns and other equipment. This use of solvents is unpermitted and thus will not be automatically added to the tool. Only one device will need to be added to cover the usage of all solvents, regardless of the number of booths used at a facility. Users can do this through the '4. Emission Sources' page and clicking the orange 'Add New Emission Source' button.

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Facility Comments

Abbreviated Reporting

1. Facility Information
2. Status Update
3. Combustion Fuels
4. Emission Sources (ES)
5. Report Process/Emissions
6. Additional Toxic Substances Production and Usage
7. Perform Data Validation
8. Review Summaries
9. Print Facility Report
10. Report Submission

Build Reporting Structure

Emission Sources (ES) Classification

Summary: This section contains facility permit profile. Please make sure that every device has a specified Emission Source (ES). New emission sources can also be added.

Instruction: Add Devices (emissions sources) by clicking "Add New Emission Source". Edit devices by clicking "Profile" under the Emission Source (ES) Column. Add emission data by clicking "Open" under the Emissions column. Upload storage tank data by clicking on link "Click here" below.

Abbreviated Reporting

Starting in Reporting Year 2022 some facilities can qualify for Abbreviated Reporting. Your eligibility to file Abbreviated Report depends in part on the types of Emission Sources used at your Facility. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Storage Tank Emissions Batch File Import - [Click here](#) for more instructions.

Add New Emission Source

Displaying 1 emission sources.

A/N	<input type="text"/>	Permit NO	<input type="text"/>
AER Device ID	<input type="text"/>	Permit Device ID	<input type="text"/>

Search:

Emission Source (ES)	Emissions	A/N	Permit NO	Permit Device ID	Permit Equipment Description	AER Device ID	ES Name	ES Group Name	Source Category	Has Emissions	Equipment	PERP	Release Location Linked	ES Status
Profile	Open	111111			Heated booth Test	ES4	HEAT Rounds Authorized		External Combustion, Spray Coating/Spray Booth	Y	Heater 10-100 MMBTU/HR	N	NR	Work in progress

Showing 1 to 1 of 1 entries ◀ Previous Next ▶

- Fill out all required information as denoted by the red asterisk next to the field. Required fields including ES Name (the user should enter the name used at the facility for the device for easy reference, e.g., Gun Cleaner), and then select the Operating ES Status from the drop-down menu.

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Facility Comments

Abbreviated Reporting

- Facility Information
- Status Update
- Combustion Fuels
- Emission Sources (ES)
- Report Process/Emissions
- Additional Toxic Substances Production and Usage
- Perform Data Validation
- Review Summaries
- Print Facility Report
- Report Submission

Edit Emission Source

Instruction: Add new emissions sources using information found on permits, manufacturers specifications, or identifying placards. Select the Operating ES Status that best reflect the device's operation for this reporting period. All areas with a Red Asterisk (*) must be addressed. Note: Some devices have been pre-populated, verify that the information is correct

Abbreviated Reporting

Starting in Reporting Year 2022 some facilities can qualify for Abbreviated Reporting. Your eligibility to file Abbreviated Report depends in part on the types of Emission Sources used at your Facility. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Permitted	<input type="checkbox"/>
A/N	
PERP Equipment(CARB's Portable Equipment Registration Program)	<input type="checkbox"/> ⓘ
Permit No	
Permit Device ID	
Permit Equipment Description	
AER Device ID	will be assigned upon saving
ES Name	Cleaning Solvents *
Operating ES Status	Normal Operation *
Comment	
Emission Source Category	Categorize Emission Source *
Design Capacity	0

- Next, click on the orange Categorize Emission Source button. The pop-up window shown in the image below will appear. Select “Click Here” in Item ‘4. Other Use of Organics’, then check the box for “Other Evaporative Sources”. Then click the orange save button at the bottom of the dialog box.

Facility ID: 999007

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Edit Emission Source

Facility Comments

Abbreviated Reporting

Instruction: Add new emissions sources using information found on permits, manufacturers specifications, or identifying placards. Select the Operating ES Status that best reflect the device's operation for this reporting period. All areas

1. Facility Information
2. Status Update
3. Combustion Equipment
4. Emission Source
5. Report Procedure
6. Additional To Substances Process Usage
7. Perform Data
8. Review Summary
9. Print Facility
10. Report Submission

Categorize Emission Source

All Emission Source with this icon **A** qualify for AER Abbreviated Reporting

Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

- External Combustion Equipment (e.g., boiler, dryer, oven, furnace, heater, afterburner, flare, kiln or incinerator) [click here](#) to select one the following Equipment:
- Internal Combustion Equipment (e.g., internal combustion engine (excluding vehicles), turbine or micro turbine) [click here](#) to select one of the following Equipment:
- Spray Coating/Spray Booth (e.g., coatings, solvents, adhesives, etc.) [click here](#) to select one of the following Equipment:
- Other Use of Organics (e.g., coatings, solvents, inks, adhesives, etc.) except In Spray Coating/Spray Booth, [click here](#) to select one of the following Equipment:
 - Degreaser
 - Coating (Flow / Dip / Roll / Hand Application)
 - Printing
 - Other evaporative sources
- Liquid Storage Tank (e.g. Underground, Aboveground, Small Tanks, Dispensing Systems) [click here](#) to select one of the following Equipment:
- Fugitive Components (Emission Leaks from Process Components per Rule 462, 1173 and 1176), [click here](#) to select all applicable Equipment:
- Other Processes (does not fit in any of the groups mentioned above) [click here](#) to mark "Other Process Equipment".

Save Cancel

Emission Source Category: Categorize Emission Source

Design Capacity: 0

4. Once the source is categorized you can click the orange ‘Save and Return to List of Emission Sources’ button to return to the previous Emission Source page or click the ‘Save and Proceed to Process Reporting’ button to continue to emissions reporting for this device. For this example, user should click on ‘Save and Proceed to Process Reporting’ button.

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

Facility Comments

Abbreviated Reporting

- 1. Facility Information
- 2. Status Update
- 3. Combustion Fuels
- 4. Emission Sources (ES)
- 5. Report Process/Emissions
- 6. Additional Toxic Substances Production and Usage
- 7. Perform Data Validation
- 8. Review Summaries
- 9. Print Facility Report
- 10. Report Submission

Edit Emission Source


Instruction: Add new emissions sources using information found on permits, manufacturers specifications, or identifying placards. Select the Operating ES Status that best reflect the device's operation for this reporting period. All areas with a Red Asterisk (*) must be addressed. Note: Some devices have been pre-populated, verify that the information is correct

Abbreviated Reporting

Starting in Reporting Year 2022 some facilities can qualify for Abbreviated Reporting
Your eligibility to file Abbreviated Report depends in part on the types of Emission Sources used at your Facility.
Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Permitted

A/N

PERP Equipment(CARB's Portable Equipment Registration Program) 

Permit No

Permit Device ID

Permit Equipment Description

AER Device ID will be assigned upon saving

ES Name

Operating ES Status

Comment

Emission Source Category **Categorize Emission Source**

Design Capacity

or or or

- The following window will then pop-up showing processes for solvents. Click the blue Open link next to the 'Other Use of Organics' option in the table. The user can also open the processes from the '5. Report Processes/Emissions' page on the left-hand menu of the page and navigating to the 'Other Use of Organics' category.

Work In Progress - Facility ID: 999007 - SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) - Reporting period: 2024

Facility ID: 999007

Form data is successfully saved.

Build Reporting Structure

Emission Sources (ES) Classification

Summary: This section contains facility permit profile. Please make sure that every device has a specified Emission Source

Process References

Emissions	A/N	Permit No	Permit Device ID	Permit Device Description	AER Device ID	ES Name	ES Group Name	Source Category	Emissions?	Equipment	PERP	Release Location	Linked
Open					ES5	Cleaning Solvents		Other Use of Organics	Y	Other evaporative sources	N	NR	

Process ID	Source Group	Process/Material/Fuel Name	Status	Operation Type
Open	P1	Other Use of Organics	Work in progress	routine

[Add Process/Material/Fuel](#) ⓘ

OK

Work In Progress - Facility ID: 999007 - SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) - Reporting period: 2024

Facility ID: 999007

[Back to Emission Source Process Reference](#)

Other Use of Organics

Please provide specific information for every process associated with the other use of organics (except in spray coating/spray booth) including usage, emission factor, and control efficiency (if any). **You must select Material/Activity Code and throughput units before reporting emissions.** Detailed instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you **Must** only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

5. Report Process/Emission

Combustion

- External Combustion
- Internal Combustion

Use of organics

- Spray Coating/Spray Booth
- Other Use of Organics**
- Storage tanks
- Fugitive Components
- Other Processes
- Process Upset

Step 1: Process Optional: Mark as Completed

	AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
Open	ES5			P1				

Click here to [delete](#) this process.

Step 2: Throughput

	Annual Throughput
Open	

Step 3: Criteria Emissions (lbs)

- The following page will open. Click the 'Open' link under Step 1: Process and fill out all required information as denoted by the red asterisks next to the fields. Users should enter the information shown in the below screenshot into the Major Group, Type of Operation, Application Method, and Type of Material fields. Users should also enter the name of their facility's cleaning solvents into the material description and 'Process Name' fields. Once done click save to exit out of the window.

Work In Progress - Facility ID: 999007 - SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) - Reporting period: 2024

Facility ID: 999007

Back to Emission Source Process Reference

Other Use of Organics

Please provide specific information for every process associated with the other use of organics (except in spray coating/spray booth) including usage, emission factor, and control efficiency (if any). You must select Material/Activity Code and throughput units before reporting emissions. Detailed instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you Must only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click here to find out more details about Abbreviated Reporting and its possible benefits.

Optional: Mark as Completed

Step 1: Process

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
ES5			P1				

Click here to delete this process.

Step 2: Throughput

Annual Throughput

Step 3: Criteria Emissions (lbs)

Pollutant	EF	Unit	EF Data Source	Overall CE	Emissions
Add New					

Step 4: Toxic (TAC/ODC) Emissions (lbs)

TAC/ODC Group	CAS #	EF	Unit	EF Data Source	Overall CE	Emissions
Add New						

Back to Emission Source Process Reference

Edit Emission Process - Other Use of Organics

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
ES5			P1	1171	Solvents:Solvent Cleaning Operations:Wipe Cleaning:Repair and Maintenance Cleaning	3M High Power Spray Gun Cleaner	

AER Device ID: ES5 AER Device Name: Cleaning Solvents
 NON-PERMITTED Permit Device ID:

Process ID: P1 Process Name:

Process Comment:

SCC:

Equipment: Other evaporative sources

Material / Activity *

Major Group: Solvents

Type of Operation: Solvent Cleaning Operations

Application Method: Wipe Cleaning

Type of Material: Repair and Maintenance Cleaning

Material Description: 3M High Power Spray Gun Cleaner *

Additional Rules: [Add Rule](#)

Save Cancel

- Click the Open link under ‘Step 2: Throughput’ and fill out all required information as denoted by the red asterisks next to the fields. This will include the throughput, unit, and how the throughput measurement was acquired or recorded.

Work In Progress · Facility ID: 999007 · SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) · Reporting period: 2024

Facility ID: 999007

[Back to Emission Source Process Reference](#)

Other Use of Organics

Please provide specific information for every process associated with the other use of organics (except in spray coating/spray booth) including usage, emission factor, and control efficiency (if any). **You must select Material/Activity Code and throughput units before reporting emissions.** Detailed instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you **Must** only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Step 1: Process Optional: Mark as Completed

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
Open	ES5		P1	1171	Solvents:Solvent Cleaning Operations:Wipe Cleaning:Repair and Maintenance Cleaning	Spray Gun Cleaner	

Click here to [delete](#) this process.

Step 2: Throughput

Annual Throughput
Open

Step 3: Criteria Emissions (lbs)

Pollutant	EF	Unit	EF Data Source	Overall CE	Emissions
Add New					

Edit Throughput Information - Other Use of Organics

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
ES5			P1	1171	Solvents:Solvent Cleaning Operations:Wipe Cleaning:Repair and Maintenance Cleaning	Spray Gun Cleaner	

Annual Throughput
55.00000000 gal

Usage (Annual Throughput) * gal *

Throughput Type *

Throughput Origin

Usage Comment

[Save](#) [Cancel](#)

- Default emission factors are not available for solvents and must be entered based on information from the packaging, SDS, technical sheet, or the Rule limit. Select the orange 'Add New' button under 'Step 3: Criteria Emissions' then from the pollutant drop down select 'VOC' and under the 'Emission Factor (EF)' header enter your cleaning solvents VOC according to the SDS. Users should select 'Manufacturer Specification' as their data source then press Save when done.

Work In Progress - Facility ID: 999007 - SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) - Reporting period: 2024

Facility ID: 999007

Facility Comments

Abbreviated Reporting

- Facility Information
- Status Update
- Combustion Fuels
- Emission Sources (ES)
- Report Process/Emissions

Combustion

- External Combustion
- Internal Combustion

Use of organics

- Spray Coating/Spray Booth
- Other Use of Organics**
- Storage Tanks
- Fugitive Components
- Other Processes
- Process Upset

5. Additional Toxic Substances Production and Usage

- Perform Data Validation
- Review Summaries
- Print Facility Report
- Report Submission

Other Use of Organics

Please provide specific information for every process associated with the other use of organics (except in spray coating/spray booth) including usage, emission factor, and control efficiency (if any). You must select Material/Activity Code and throughput units before reporting emissions. Detailed instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting

Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you Must only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Step 1: Process Optional: Mark as Completed

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
Open	ES5		P1	1171	Solvents:Solvent Cleaning Operations:Wipe Cleaning:Repair and Maintenance Cleaning	Spray Gun Cleaner	

Click here to [delete](#) this process.

Step 2: Throughput

Annual Throughput
Open
55.00000000 lbs

Step 3: Criteria Emissions (lbs)

Pollutant	EF	Unit	EF Data Source	Overall CE	Emissions
Add New					

Open Criteria Emission Information - Other Use of Organics

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Material/Activity Code	Material Description	SCC
ES5			P1	1171	Solvents:Solvent Cleaning Operations:Wipe Cleaning:Repair and Maintenance Cleaning	3M High Power Spray Gun Cleaner	

Annual Throughput
55.00000000 gal

Pollutant: VOC *

Emission Factor (EF): 1.67000000e-1 lbs/gal

Overall Control Efficiency:

Emission Factor Comment:

If not using AQMD default emission factor please provide detailed references in the Emission Factor Comment box above or upload file with the information. Processes without this information are subject to audit.

Emission Factor Data Source: SDS *

Emissions: 9.18500000e+0 lbs

Save Cancel

9. A similar process will need to be followed to add toxic pollutants that may be present in the solvents as well. This information will also be listed in the SDS of the material and is presented as a density or percentage of the weight. Users should select the orange 'Add New' button under 'Step 4: Toxic (TAC/ODC) Emissions (lbs)' and the following window will appear. Search for the toxic pollutant you would like to add in the pollutant search bar and then report its density in lbs/gal. The reported 'Emission Factor Data Source' should be 'Manufacturer Specification' or 'SDS'.

The screenshot shows the 'Use of Organics' interface. On the left is a navigation menu with items like 'Spray Coating/Spray Booth', 'Other Use of Organics', 'Storage Tanks', 'Fugitive Components', 'Other Processes', 'Process Upset', '5. Additional Toxic Substances Production and Usage', '7. Perform Data Validation', '3. Review Summaries', '3. Print Facility Report', and '10. Report Submission'. The main area is divided into four steps:

- Step 1: Process**: A table with columns: AER Device ID, Permit Device ID, A/N, Process ID, Rule #, Material/Activity Code, Material Description, and SCC. A row shows 'Open', 'ES5', 'P1', '1171', 'Solvents:Solvent Cleaning Operations:Wipe Cleaning:Repair and Maintenance Cleaning', 'Spray Gun Cleaner', and an 'Open' button. A link says 'Click here to delete this process.'
- Step 2: Throughput**: A table with columns: Annual Throughput. A row shows 'Open' and '55.00000000 gal'.
- Step 3: Criteria Emissions (lbs)**: A table with columns: Pollutant, EF, Unit, EF Data Source, Overall CE, and Emissions. A row shows 'Open', 'VOC', 'lbs / gal', and an 'Add New' button.
- Step 4: Toxic (TAC/ODC) Emissions (lbs)**: A table with columns: TAC/ODC Group, CAS #, EF, Unit, EF Data Source, Overall CE, and Emissions. An 'Add New' button is highlighted with a red box.

The dialog box is titled 'Open Toxic (TAC/ODC) Emission Information - Other Use of Organics'. It contains the following information:

- Table Header**: AER Device ID, Permit Device ID, A/N, Process ID, Rule #, Material/Activity Code, Material Description, SCC.
- Table Row**: ES5, P1, 1171, Solvents:Solvent Cleaning Operations:Wipe Cleaning:Repair and Maintenance Cleaning, 3M High Power Spray Gun Cleaner.
- Annual Throughput**: 55.00000000 gal.
- TAC/ODC Toxic Pollutants / Ozone Depleting Compounds**:
 - Pollutant: 41 - Glycol ethers and their acetates (highlighted in red)
 - 111762 - Ethylene glycol monobutyl ether (highlighted in red)
- TAC Group**: 41 - Glycol ethers and their acetates
- CAS # (Pollutant)**: 111762 - Ethylene glycol monobutyl ether
- Emission Factor (EF)**: 3.35000000e-1 (highlighted in red) lbs/gal
- Overall Control Efficiency**: (empty field)
- Emission Factor Comment**: (empty text area)
- Emission Factor Data Source**: SDS (highlighted in red)
- Emissions**: 1.84250000e+1 lbs
- Buttons**: Save, Cancel

Below the comment field, there is a note: 'If not using AQMD default emission factor please provide detailed references in the Emission Factor Comment box above or upload file with the information. Processes without this information are subject to audit.'

10. If the facility uses more than one brand or type of cleaning solvent each one must be reported following these same steps by adding another process to the Solvent Cleaning device. Return to the 'Other use of Organics' tab of the '5. Report Processes/Emissions' page. Click the orange 'Add new Process to ES' button and the following screen will display. Then follow steps 6-9 again for the new material.

Work In Progress - Facility ID: 999007 - SOUTH COAST AIR QUALITY MGT DIST(SCAQMD) - Reporting period: 2024

Facility ID: 999007

Other Use of Organics

Please provide specific information for every process associated with the other use of organics (except in spray coating/spray booth) including usage, emission factor, and control efficiency (if any). You must select Material/Activity Code and throughput units before reporting emissions. Detailed instructions are available by clicking on Help icon in the tool bar.

Abbreviated Reporting
 Certain combination of equipment code and fuel source may disqualify you from Abbreviated Reporting. As part of Abbreviated Reporting, you Must only use AQMD Default Emission Factors. If you select anything other than AQMD Default Emission Factors you will be disqualified from Abbreviated Reporting. Click [here](#) to find out more details about Abbreviated Reporting and its possible benefits.

Other Use of Organics Process List Overview

[Add New Process to ES](#) Print Preview

	AER Device ID	Permit Device ID	A/N	Process ID	Status	Material Description	Usage	Units	ROG	SPO
Open	ES5			P1	Work in Progress	Spray Gun Cleaner		55 gal		0

Search:

Edit Emission Process - Other Use of Organics

AER Device ID: **ES5** or [Add new emission source](#)

AER Device Name: Cleaning Solvents

Permit Device ID:

Process Name:

Process ID:

Process Comment:

SCC:

Equipment: Other evaporative sources

Material / Activity *

Major Group:

Type of Operation:

Application Method:

Type of Material:

Material Description: *

Additional Rules: [Add Rule](#)

Save **Cancel**