

**Ecotek presentation of
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**Advanced Emissions Inventory Web Tool Based on
Permit Profile and Device level to Streamline
Reporting of Point Sources Criteria, Toxics, and GHG
Emissions**

**Natasha Meskal, Ecotek
August 17, 2017**

Background

Under AER Program:

- **>2,000 facilities required to report their annual criteria and toxics emissions**
- **Emission fees in accordance with SCAQMD Rule 301(e) requirements**
- **Consolidation of AB 2588 toxics emission inventory reporting requirements into the AER program (~ 177 toxics compounds)**
- **Using SCAQMD Web-Based Emission Reporting Tool**

AER Program Overview

SCAQMD:

- **Develop Inventory for both Criteria & Toxics**
- **Conduct Audits & De-aggregate Data**
- **Use collected data for:**
 - **Compliance verification**
 - **AQMP and rule development**
 - **Planning and engineering**
 - **Additional Programs (Title V and RECLAIM)**
 - **Revenue projection**

AER Program Overview

Cont.

- **Facilities report annual emissions from permitted and non-permitted equipment / processes**
- **Facilities pay emission fees for total emissions that exceeded the thresholds for both Criteria & Toxics**
- **Facilities report additional toxics, location and receptor info if subject to quadrennial AB2588 reporting**
- **Reporting based on permit profile and device based**

Web-Based Reporting Tool

- **Optimized and integrated the emission inventory**
- **Improved data quality and transparency**
- **Reduces staff time and resources**
- **Reporting based on permit profile and device bases allows for increased data sharing and utilization among departments**

Main AER Tool Features

- **Import Last Year**
- **All emissions (Criteria, TAC/ODC and optional GHGs) are displayed on the same screen**
- **Built-in parameters for unique emission calculation methodologies**
- **Data Validation**
- **Upload supporting documentation**
- **Conversion calculator**
- **References for summaries**
- **Virtual grouping for selected identical sources**

Live Demo

AER Home

New user: Complete a one time registration **Registered User: Login**



South Coast
Air Quality Management District

You are not logged in.



Welcome to South Coast AQMD Annual Emissions Reporting (AER)

About AQMD Annual Emissions Reporting (AER)

The South Coast Air Quality Management District's (AQMD's) Annual Emission Reporting (AER) program was developed to track emissions of air contaminants from permitted facilities. Emission fees are also assessed based on reported data. The data collected by AER is used to update the comprehensive emissions inventory for the AQMD, which includes Orange County, the non-desert portions of Los Angeles and San Bernardino counties, and the Riverside county areas west of the Palo Verde Valley.

This annual emissions inventory of pollutants and source categories is essential to effectively design and evaluate clean air strategies to comply with state and federal public health standards.

The AER is required for all facilities subject to Rule 301(e) and 301(l)(10). Additional information on the AER Program can be found at www.aqmd.gov/aer/aer.html

User Login

Username:
Password:

[Sign In](#)

Forgot your username or password? [Click here to reset your password.](#)

New User? Complete a one-time registration process.

[Register here](#)



After establishing a user account, you can access and update the AERs for your facility(ies) using AQMD-assigned access pin codes.

Notice

All information entered on this computer system may be monitored, recorded, read, copied, and disclosed by and to authorized personnel for official purposes. Access or use of this computer system by any person, whether authorized or unauthorized, constitutes consent to these terms.

User Registration

Complete User Registration and click on **Sign Up**. Receive an email to the registered address with a link that requires a click to confirm your email and automatically log you in.

AER Home Access Facility  

User Registration

Complete the information below. Fields with * are mandatory. Upon "Sign Up", a link will be sent to the registered email box for confirmation and direct user back to AER Program home page.

User Profile

Username *

E-mail *

Title

First Name *

Last Name *

Password *

Confirm Password *

Work Address

Company *

Street Direction ▼

Street Number

Street Name *

Street Suffix ▼

Suite

City *

State ▼ *

Zip *

Zip Four

Work Phone

Phone Number () * Ext.

Fax Number ()

Enter Facility ID & PIN

Once logged-in, the screen below is displayed.

To access a facility, enter Facility ID and the PIN code provided by AQMD.

South Coast Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility

Access Facility

Please enter a facility ID# and PIN code to access facility detail information. Alphanumeric PIN is issued by the SCAQMD to specific facility and must be typed exactly as presented.

If you need assistance on locating the PIN, please contact AER Support by email at aer@aqmd.gov or Hotline at (909)396-3660.

Facility ID:

Facility PIN:

Access Facility

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)

Select Reporting Year

Click **Open** to access selected facility and start the reporting process.

The screenshot shows the AER web application interface. At the top, there is a navigation bar with links: AER Home, Browse Facilities, Access Facility, and Facility Home. On the right side of the navigation bar, there are icons for a user profile, a printer, a home button, and a help icon. The main content area is divided into two sections. The left section is titled 'Select Reporting Year' and contains 'Facility Information' for Facility ID: 999921, Facility name: ABC, Address: 123 1st, City: LOS ANGELES, and ZIP: 90063. Below this information, there is a paragraph explaining that users should select a reporting year from a list below by clicking on the 'OPEN' button. A table follows with columns for Year, Status, Deadline, and Submittal Date. The table lists years 2013, 2014, 2015, and 2016, each with an 'Open...' link. A red circle highlights the 'Open...' link for the year 2016, and a red arrow points from this link to the 'Access Facility' button in the right section. The right section is titled 'Access Different Facility' and contains instructions on how to enter a facility ID and PIN. It also includes a paragraph about contacting AER Support for assistance. Below the instructions are input fields for Facility ID and Facility PIN, and an orange 'Access Facility' button. At the bottom of the page, there is a footer with links: AQMD web site Home, AER Web Site, Submit question/comment, Ecotek Web Site, and Report a Bug.

Select Reporting Year

Facility Information
Facility ID: 999921
Facility name: ABC
Address: 123 1st
City: LOS ANGELES
ZIP: 90063

Please select a reporting year from the list below (by clicking on the "OPEN" button for desired reporting year) in order to begin using the AER Program.

If you do not see the reporting period you want to work on, please contact AQMD AER Hotline at 909-396-3660 or aer@aqmd.gov.

Year	Status	Deadline	Submittal Date
2013	WorkInProgress	3/4/2014	Open...
2014	WorkInProgress	6/4/2015	Open...
2015	WorkInProgress	3/1/2016	Open...
2016	Available	3/2/2017	Open...

Access Different Facility

Please enter a facility ID# and PIN code to access facility detail information. Alphanumeric PIN is issued by the SCAQMD to specific facility and must be typed exactly as presented.

If you need assistance on locating the PIN, please contact AER Support by email at aer@aqmd.gov or Hotline at (909)396-3660.

Facility ID:
Facility PIN:

Access Facility

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)

AER Tool Main Sections

The AER Tool has 4 main sections that have to be completed in the following order:

1. Facility Information
2. Build Reporting Structure
3. Report Process/Emissions
4. Summaries

These sections are accessible from a menu on the left, and from "Facility Home" page.

AER Report Overview

- 1) First click on “Import Last Year” to import the Emission Sources or bring most of the data if you used this tool last year.
- 2) To start the reporting/updating process, first provide general Facility Information in “**Facility Information**” section.
- 3) Next, specify the combustion fuels used at your facility and set-up emission sources in “**Build Reporting Structure**” section, prior to identifying your processes and reporting your emissions.

AER Report Overview Cont.

- 4) Then, proceed to “Report Process/Emissions” section to enter throughput data and calculate emissions for each device and process.
- 5) Finally, select “Summaries” to view emissions results and associated fees.
- 6) Run “Data Validation” and make sure there are no Errors
 - If errors displayed, click on the link provided to resolve errors
 - If warning displayed, click on the link provided to check the data entered

AER Report Overview Cont.

- 7) Upload supporting documentation if desired**
- 8) Submit the report through “[Report Submission](#)”**
- 9) Print Submittal forms (including Submittal Conformation) to be sent to AQMD**
- 10) Save “[Excel Report](#)” - for your record**
- 11) Print “[Facility Report](#)” – for your record**
- 12) Sign Signature Sheet, attach other submittal forms and check for fee due (if any), and mail to SCAQMD**

Facility Home Page

Click on [“Import Last year”](#) link to import emission sources or most of the data if you used this tool last year

South Coast Air Quality Management District

TEST
Logout | Edit Profile

AER Home | Access Facility | Facility Home

Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

- Facility Information
- Build Reporting Structure
 - Combustion Fuels
 - Emission Sources (ES)
- Report Process/Emissions Summaries
- Data Validation
- Print Facility Report
- Excel Reports
- Report Submission

This is the Facility Home Page which specifies the main elements of the AER Program. For detail instructions please click on Help icon. The main AER elements are accessible on menu on the left, and on this page by clicking on Section name below.

Click here to [Import Last Year](#) information

STEP 1) Facility Information OPEN

This section contains your facility's general information such as business classification, business location, operating schedule and contact information. You can also inform AQMD about your business operating status changes. [Start Here](#)

STEP 2) Build Reporting Structure OPEN

This section is for specifying combustion fuels used in your facility as well as identifying and/or adding emission sources for your facility to the pre-loaded facility permit profile.

STEP 3) Report Process / Emissions OPEN

This section contains worksheets for reporting your processes, throughput (usage of materials/fuels), emission factors, and other activity data, and calculating emissions for all emissions sources identified in "Set-up Reporting Structure".

STEP 4) Summaries OPEN

This section allows you to review the resulting emissions from your facility's permitted and non-permitted emission sources. This section also includes detailed report on all fees and amount due.

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)

Facility Home Page (cont.)

Click on **Start Here** button to start reporting/updating

South Coast Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

- Facility Information
- Build Reporting Structure
 - Combustion Fuels
 - Emission Sources (ES)
- Report Process/Emissions Summaries
- Data Validation
- Print Facility Report
- Excel Reports
- Report Submission

This is the Facility Home Page which specifies the main elements of the AER Program. For detail Instructions please click on Help Icon. The main AER elements are accessible on menu on the left, and on this page by clicking on Section name below.

Click here to [Import Last Year](#) information

STEP 1) Facility Information OPEN

This section contains your facility's general information such as business classification, business location, operating schedule and contact information. You can also inform AQMD about your business operating status changes. **Start Here**

STEP 2) Build Reporting Structure OPEN

This section is for specifying combustion fuels used in your facility as well as identifying and/or adding emission sources for your facility to the pre-loaded facility permit profile.

STEP 3) Report Process / Emissions OPEN

This section contains worksheets for reporting your processes, throughput (usage of materials/fuels), emission factors, and other activity data, and calculating emissions for all emissions sources identified in "Set-up Reporting Structure".

STEP 4) Summaries OPEN

This section allows you to review the resulting emissions from your facility's permitted and non-permitted emission sources. This section also includes detailed report on all fees and amount due.

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)

Facility General Information



South Coast
AQMD

South Coast
Air Quality Management District

TEST

Logout | Edit Profile

[AER Home](#) [Access Facility](#) [Facility Home](#)



Facility ID: 999921 · ABC · Reporting period: 2016

Facility ID: 999921

Facility Information

- General
- Address
- Other Information
- Contacts
- Operating Schedule
- Status Update

Build Reporting Structure

- Combustion Fuels
- Emission Sources (ES)

Report Process/Emissions

Summaries

Data Validation

Print Facility Report

Excel Reports

Report Submission

Facility Information

This section contains your facility's general information such as business classification, business location, operating schedule and contact information. You can also inform AQMD about your business operating status changes, such as location address change, provide status update, or request an exemption from future emission reports.

General Facility Info

Facility ID	999921
Reporting Year	2015
RECLAIM	<input checked="" type="checkbox"/>
RECLAIM Designation	R1N
Title V	<input checked="" type="checkbox"/>
AB2588	<input checked="" type="checkbox"/>
- AB2588 Phase	1A
- AB2588 Reporting Year	<input type="checkbox"/>

County

Air Basin

Latitude

Longitude

Address

Facility General Information Cont.

Facility Information

General

Address

Other Information

Contacts

Operating Schedule

Status Update

Build Reporting Structure

Combustion Fuels

Emission Sources (ES)

Report Process/Emissions

Summaries

Data Validation

Print Facility Report

Excel Reports

Report Submission

- Check here if your facility produces electricity
- Check here to report fugitive emissions subject to Rule [1173](#) and/or [1176](#).
- Check here for Small Business as defined in Rule [102](#).
- Check this box to report non-routine emissions such as Upsets, Break-down, Spills, Start-up, Shut-down, and Turn-around.

Contacts

Main Contact

First Name	<input type="text" value="John"/>	*
Last Name	<input type="text" value="Smith"/>	*
Title	<input type="text" value="VP"/>	
Telephone #	(<input type="text" value="111"/>) <input type="text" value="111-1111"/>	* Ext. <input type="text" value="11"/>
Fax #	(<input type="text" value="111"/>) <input type="text" value="111-1112"/>	
Email	<input type="text" value="jsmith@abc.com"/>	*

Preparer

- Same as Main Contact

Authorized Facility Representative

- Same as Main Contact

Operating Schedule

Average Hours Per Day	<input type="text" value="8"/>	*
Average Days Per Week	<input type="text" value="5"/>	*
Average Weeks Per Year	<input type="text" value="52"/>	*

Save updated information

You must click the following button if changes in this form should be saved.

Save

Next

Click on **Save**, then **Next** and continue until you have completed all *sections* of “**Facility Information**” including “**Status Update**”

Facility General Information Cont.



South Coast
Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

Form data is successfully saved.

Facility Information

Status Update

Facility ID 999921

- Facility Shutdown
- Change of Ownership
- Change in Equipment Location
- Emissions are zero for this year's report, or emissions reduced by 50%
- Exemption Request
- Use of Alternative Calculation methodology
- Other
- Refund Request

Refund Amount \$ 1,500.00

Explanation

Save updated information

You must click the following button if changes in this form should be saved.

Save **Next**

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)

The **Next** button on “**Status Update**” page will take you to “**Combustion Fuels**” in “**Build Reporting Structure**”

Combustion Fuels

Select all combustion fuels used in your facility on this screen.
To add a fuel, click on [Add New Fuel](#).

TEST
Logout | Edit Profile

South Coast Air Quality Management District

AER Home Access Facility Facility Home

Facility ID: 999921
Facility Information
Build Reporting Structure
Combustion Fuels
Emission Sources (ES)
Report Process/Emissions Summaries
Data Validation
Print Facility Report
Excel Reports
Report Submission

Facility ID: 999921 · ABC · Reporting period: 2016

Form data is successfully saved.

Combustion Fuels Specification

Specify all the combustion fuels (fuels being burned) used in your facility during the reporting year (do not include fuels used exclusively in vehicles).

[Add New Fuel](#)

Action	Fuel Name	HHV	Default	Comment	Data Source Name
Open	Distillate Fuel Oil No. 2	138.00	YES		
Open	Propane	91.00	YES		

Next

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

Adding Combustion Fuel



South Coast
AQMD

South Coast
Air Quality Management District

TEST

[Logout](#) | [Edit Profile](#)

[AER Home](#) | [Access Facility](#) | [Facility Home](#)



Facility ID: 999921 · ABC · Reporting period: 2016

Facility ID: 999921

- [Facility Information](#)
- [Build Reporting Structure](#)
- [Combustion Fuels](#)
- [Emission Sources \(ES\)](#)
- [Report Process/Emissions](#)
- [Summaries](#)
- [Data Validation](#)
- [Print Facility Report](#)
- [Excel Reports](#)
- [Report Submission](#)

Edit Combustion Fuel Data

Fuel	<input type="text" value="Propane"/> *
HHV	<input checked="" type="checkbox"/> Use Default <input type="text" value="91.00"/> mmBtu/1000 gallon
Comment	<input type="text"/>

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

[Delete this combustion fuel](#)

Note: fuels used in Emission Processes cannot be deleted.

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)

Emission Sources (ES)

- **The New AER reporting system is based on “Device” level as Emission Source (ES):**
 - **For example: A permitted unit (1 A/N) consisting of a dryer and a printing press has to be reported as 2 devices (2 ES).**
- **List of permits and if available devices will be preloaded for each facility. If the list of devices is not available, first “Import Last Year”, than enter any missing devices including permitted sources under appropriate application number (A/N) and non-permitted sources.**

Emission Sources (ES)

This screen displays a list of Application Numbers, and Devices if available from AQMD permitting Database. Each device has been assigned Emission Source (ES) ID.

TEST
Logout | Edit Profile

South Coast Air Quality Management District

AER Home Access Facility Facility Home

Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

Facility Information
Build Reporting Structure
Combustion Fuels
Emission Sources (ES)
Report Process/Emissions Summaries
Data Validation
Print Facility Report
Excel Reports
Report Submission

Build Reporting Structure

Emission Sources (ES) Classification

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.

EPA TANKS Software DATA IMPORT - [Click here](#) for more instructions.

Displaying 36 emission sources. You can use filter to narrow down selection.

A/N Permit NO
AER Device ID Permit Device ID

[Search Emission Sources](#)


[Add New Emission Source](#)

Search: [Print Preview](#)

Action	A/N	Permit NO	Permit Device ID	Permit Equipment Description	AER Device ID	ES Name	ES Group Name	Source Category	Has Emissions	Equipment	ES Status	Process Reference
Open	537024	G123	D22	TANK CHROME PLATING HEXAVALENT	ES36							

To add a new Emission Source, Click on [Add New Emission Source](#)

ES Cont.



South Coast
Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921 · ABC · Reporting period: 2016

Facility ID: 999921

- Facility Information
- Build Reporting Structure**
- Combustion Fuels
- Emission Sources (ES)**
- Report Process/Emissions Summaries
- Data Validation
- Print Facility Report
- Excel Reports
- Report Submission

Build Reporting Structure

Emission Sources (ES) Classification

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.

EPA TANKS Software DATA IMPORT - [Click here](#) for more instructions.

Displaying 36 emission sources. You can use filter to narrow down selection.

A/N Permit NO
AER Device ID Permit Device ID
Search Emission Sources

[Add New Emission Source](#)

Search: **Print Preview**

Action	A/N	Permit NO	Permit Device ID	Permit Equipment Description	AER Device ID	ES Name	ES Group Name	Source Category	Has Emissions	Equipment	ES Status	Process Reference
Open	537024	G123	D22	TANK CHROME PLATING HEXAVALENT	ES38							
Open	309722	D94972	D21	TANKS, NICKEL PLATING LINE	ES35							
Open	398164	F85902	D20	HEATER/FURNACE (5-20	ES34							

To define each pre-loaded Emission Source Click on **Open**

ES Cont.

South Coast Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

- Facility Information
- Build Reporting Structure
 - Combustion Fuels
 - Emission Sources (ES)
- Report Process/Emissions
- Summaries
- Data Validation
- Print Facility Report
- Excel Reports
- Report Submission

Edit Emission Source

Providing correct information and proper selection categories would help to classify emission source.


Permitted	<input checked="" type="checkbox"/>
Uploaded	<input type="checkbox"/>
A/N	312183 <input type="text" value="312183"/>
Permit No	D96650
Permit Device ID	
AER Device ID	will be assigned upon saving
ES Name	<input type="text" value="Boiler 2"/>
Operating ES Status	<input type="text" value="Normal Operation"/>
Comment	<input type="text"/>
Emission Source Category	<input type="text" value="Categorize Emission Source"/>
Design Capacity	<input type="text" value="8.000000"/> <input type="text" value="MILLION BTU PER HOUR"/>

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

Provide a Name for the ES. Then select "ES Status" to specify the operating status. Click on **Categorize Emission Source** (See Next Slide)

ES Cont.



South Coast
Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Calculator Print Home Help

Categorize Emission Source

Permitted	A/N	Permit No	Permit Device ID	Permit Equipment Description	AER Device ID	ES Name
Yes	312183	D96650			ESnull	Boiler 2

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

- Boiler <10 MMBTU/HR
- Boiler 10-100 MMBTU/HR
- Boiler >100 MMBTU/HR
- Oven <10 MMBTU/HR
- Oven 10-100 MMBTU/HR
- Oven >100 MMBTU/HR
- Dryer <10 MMBTU/HR
- Dryer 10-100 MMBTU/HR
- Dryer >100 MMBTU/HR
- Furnace <10 MMBTU/HR
- Furnace 10-100 MMBTU/HR
- Furnace >100 MMBTU/HR
- Heater <10 MMBTU/HR
- Heater 10-100 MMBTU/HR
- Heater >100 MMBTU/HR
- Space/Water heater - not related to a process <10 MMBTU/HR
- Afterburner <10 MMBTU/HR
- Afterburner 10-100 MMBTU/HR
- Afterburner >100 MMBTU/HR
- Kilns
- Incinerator
- Flare
- Charbroiler
- Deep Fat Fryers

▲ In addition to burning fuels, if this device processes other materials, make sure box "Other Process Emissions" is checked under Category 7 below


Save **Cancel**

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 on the applicable Emission Source Group Type for each ES and select the applicable equipment type then **Save**

ES Cont.

 South Coast Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921

Facility Information
Build Reporting Structure
Combustion Fuels
Emission Sources (ES)
Report Process/Emissions Summaries
Data Validation
Print Facility Report
Excel Reports
Report Submission

Facility ID: 999921 · ABC · Reporting period: 2016

Edit Emission Source

Providing correct information and proper selection categories would help to classify emission source.


Permitted	<input checked="" type="checkbox"/>
Uploaded	<input type="checkbox"/>
A/N	312183 <input type="text" value="312183"/>
Permit No	D96650
Permit Device ID	will be assigned upon saving
AER Device ID	will be assigned upon saving
ES Name	<input type="text" value="Boiler 2"/>
Operating ES Status	<input type="text" value="Normal Operation"/>
Comment	<input type="text"/>
Emission Source Category	External Combustion Categorize Emission Source
Design Capacity	<input type="text" value="8.000000"/> <input type="text" value="MILLION BTU PER HOUR"/>

or or or [Cancel](#)

Optional:

To choose to define all Emission Sources prior to reporting emissions (Navigation path #1), click on **Save and Return to List of Emission Sources**





ES Cont.



South Coast
Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

Form data is successfully saved.

Build Reporting Structure

Emission Sources (ES) Classification

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.

EPA TANKS Software DATA IMPORT - [Click here](#) for more instructions.

Displaying 37 emission sources. You can use filter to narrow down selection.

A/N

AER Device ID

Permit NO

Permit Device ID

[Search Emission Sources](#)

[Add New Emission Source](#)

Search: Print Preview

Action	A/N	Permit NO	Permit Device ID	Permit Equipment Description	AER Device ID	ES Name	ES Group Name	Source Category	Has Emissions	Equipment	ES Status	Process Reference
Open	312183	D00850			ES37	Boiler #2		External Combustion	Y	Boiler <10 MMBTU/HR	Work in progress	Reference
Open	537024	G123	D22	TANK CHROME PLATING HFXAVAI FMT	ES38							

Based on the Information provided in previous 2 screens, the application will populate the overview table to initiate the reporting process on the emissions worksheets. You can either continue defining the rest of your emission sources

or ...
29

ES Cont.

South Coast Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921 · ABC · Reporting period: 2016

Facility ID: 999921

- Facility Information
- Build Reporting Structure
 - Combustion Fuels
 - Emission Sources (ES)
- Report Process/Emissions
- Summaries
- Data Validation
- Print Facility Report
- Excel Reports
- Report Submission

Edit Emission Source

Providing correct information and proper selection categories would help to classify emission source.

Permitted	<input checked="" type="checkbox"/>
Uploaded	<input checked="" type="checkbox"/>
A/N	312183
Permit No	D00650
Permit Device ID	D19
Permit Equipment Description	BOILER (5-20 MMBTU/HR) NAT GAS ONLY
AER Device ID	E533
ES Name	<input type="text" value="Boiler #2"/>
Operating ES Status	<input type="text" value="Normal Operation"/>
Comment	<input type="text"/>
Emission Source Category	External Combustion Categorize Emission Source
Equipment	Boiler <10 MMBTU/HR
Design Capacity	<input type="text" value="8.000000"/> <input type="text" value="MILLION BTU PER HOUR"/>

or or or [Cancel](#)

Optional:

If you choose to report your process emissions immediately after defining each ES (Navigation path #2), click on **Save and Proceed to Process Reporting**

ES Cont.

South Coast Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921

Form data is successfully saved.

Facility ID: 999921 - ABC - Reporting period: 2016

Build Reporting Structure

Emission Sources (ES) Classification

Process References

A/N	Permit No	Permit Device ID	Permit Device Description	AER Device ID	ES Name	ES Group Name	Source Category	Emissions?	Equipment	ES Status
312183	D96650	D19	BOILER (5-20 MMBTU/HR) NAT GAS ONLY	ES33	Boiler #2		External Combustion	Y	Boiler <10 MMBTU/HR	Work in progress


Process ID	Source Group	Process/Material/Fuel Name	Status	Operation Type
Open	P1	External Combustion	Work in progress	routine

Add Process/Material/Fuel

OK

Click to open the initiated Process to Report Emissions (see next slide)





Switch from ES to Process



South Coast
Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

[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). You must select Fuel and throughput units before reporting emissions. Detail instructions are available by clicking on Help icon in the tool bar.

Step 1: Process Optional: [Mark as Completed](#)

	AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	Fuel
Open	ES33	D19	312183	P1		Boiler <10 MMBTU/HR	

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

Step 2: Throughput

	Annual Throughput	Criteria/Toxic Throughput	GHG 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)

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

[Back to Emission Source Process Reference](#)

Facility Information

Build Reporting Structure

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

Summaries

Data Validation

Print Facility Report

Excel Reports

Report Submission

Access Emissions Worksheets

Click on “[Report Process/Emissions](#)” to see a list of all worksheets that were assigned based on information provided on Emission Sources section

The screenshot shows the South Coast AQMD website interface. At the top, there is a blue header with the AQMD logo and the text 'South Coast Air Quality Management District'. On the right side of the header, it says 'TEST' and 'Logout | Edit Profile'. Below the header is a dark blue navigation bar with links for 'AER Home', 'Access Facility', and 'Facility Home', along with icons for a calculator, printer, home, and help. The main content area has a light blue background. On the left is a sidebar menu with various options, including 'Report Process/Emissions' which is highlighted in blue. A red arrow points from the text above to this link. The main content area displays 'Facility ID: 999921' and 'Reporting period: 2016'. Below this is a section titled 'Report Process/Emissions' with a descriptive paragraph and a table of worksheets.

Worksheet Name	Status
External Combustion (2)	OPEN
Internal Combustion (1)	OPEN
Other Processes (1)	OPEN

Click on the worksheet you want to work on. If you click on Internal Combustion... (see next slide)

Internal Combustion Process List

By clicking on each worksheet name, a list of all processes for the worksheet will be displayed.

South Coast Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921 · ABC · Reporting period: 2016

Facility ID: 999921

Facility Information
Build Reporting Structure
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
Summaries
Data Validation
Print Facility Report
Excel Reports
Report Submission

Internal Combustion

Please provide specific information for every process associated with your internal combustion Emission Sources including usage, emission factor, and control efficiency (if any). You must select Fuel and throughput units before reporting emissions. Detailed instructions are available by clicking on Help icon in the tool bar.

Internal Combustion Process List Overview

[Add New](#) [Print Preview](#)

	AER Device ID	Permit Device ID	A/N	Process ID	Status	Equipment	Fuel
Open	ES13	D8	555555	P1	Work in Progress	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	

Click "Open" to open the Process you want to work on

AQMD web site | Report a Bug

Worksheet Organization

Each worksheet has the following that need to be completed in this order:

- 1) First Complete the Process (select fuel or activity or material type),**
- 2) Enter fuel usage or throughput and specify units,**
- 3) For combustion worksheets, toxic defaults are automatically assigned (after you select fuel type). For criteria and GHG defaults, you have to click on “Use Default Emission Factors...”**
- 4) For other worksheets, select pollutant and enter Emission Factor and Emission Factor Data Source**
- 5) Emissions will be calculated and displayed for each process.**
- 6) Review Summaries in summary tables**

Worksheet Main Sections

AER Home Access Facility Facility Home

Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

Facility Information
Build Reporting Structure
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
Summaries
Data Validation
Print Facility Report
Excel Reports
Report Submission

Internal Combustion

Please provide specific information for every process associated with your internal combustion Emission Sources including usage, emission factor, and control efficiency (if any). You must select Fuel and throughput units before reporting emissions. Detailed instructions are available by clicking on Help icon in the tool bar.

Step 1: Process Optional: Mark as Completed

	AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	Fuel
Open	ES13	D8	555555	P1		Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	

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

Step 2: Throughput

	Annual Throughput	Criteria/Toxic Throughput	GHG 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 /		

Step 1) Process Info: Click **Open** to complete

Step 2) Throughput Info: Click **Open** to complete

Step 3) **Default Emission Factors** will assign criteria and GHG defaults (if available)

Process Information

Edit Emission Process - Internal Combustion [X]

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	Fuel
ES13	D8	555555	P1	1470	Stationary I.C. Engines, 4 Stroke-Rich Burn	Distillate Fuel Oil No. 2

AER Device ID	ES13	AER Device Name	ICE#1
PERMITTED	AN: 555555	Permit Device ID	D8
Process ID	P1	Process Name	Primary Fuel
Process Comment	<input type="text"/>		
Fuel	Distillate Fuel Oil No. 2 ▼ *		
Rule #	1470 ▼ *	Add Rule	
Equipment	Stationary I.C. Engines, 4 Stroke-Rich Burn ▼		

Save **Cancel**

The drop list consists of the fuels listed in the [Combustion Fuels](#) section. Select fuel type before you proceed (fuel type determines corresponding throughput units and assigns default EFs).

Throughput

Based on fuels selected, different options for throughput units will be offered:

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	Fuel
ES13	D8	555555	P1	431.1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Distillate Fuel Oil No. 2
Annual Throughput		Criteria/Toxic Throughput			GHG Throughput	
2,000.00000000 bbl		84.000000 M gal			84,000.00 gal	

Fuel Usage (Annual Throughput) x *

Throughput Type *

Fuel Usage Comment

You have to list throughput and throughput units, then save.

You can also provide optional data.

Application will automatically convert throughput to units needed to calculate criteria and GHG emissions.

Step 2: Throughput

	Annual Throughput	Criteria/Toxic Throughput	GHG Throughput
Open	2,000.00000000 bbl	84.000000 M gal	84,000.00 gal

Using Criteria & GHG Defaults



South Coast
Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home






Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

- [Facility Information](#)
- [Build Reporting Structure](#)
 - [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

- [Summaries](#)
- [Data Validation](#)
- [Print Facility Report](#)
- [Excel Reports](#)
- [Report Submission](#)

Internal Combustion

Please provide specific information for every process associated with your internal combustion Emission Sources including usage, emission factor, and control efficiency (if any). **You must select Fuel and throughput units before reporting emissions.** Detailed instructions are available by clicking on Help icon in the tool bar.

Step 1: Process

Optional: Mark as Completed

	AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	Fuel
Open	ES13	D8	555555	P1	1110.2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Distillate Fuel Oil No. 2

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

Step 2: Throughput

	Annual Throughput	Criteria/Toxic Throughput	GHG Throughput
Open	2,000.00000000 bbl	84.000000 M gal	84,000.00 gal

Step 3: Criteria Emissions (lbs)

Use [Default Emission Factors](#) if available.

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

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

	TAC/ODC Group	CAS #	EF	Unit	EF Data Source	Emissions
Open	Benzene	71432	1.86300e-1	lbs / M gal	AQMD default	1.56492e+1

Click on [Default Emission Factors](#) to populate criteria and GHG defaults, if available.

Entering Site Specific EF

To enter specific EF, select pollutant, un-check Use Default, enter specific EF value and select Emissions Factor Data Source. The other data fields are optional.

Open Criteria Emission Information - Internal Combustion

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Equipment	Fuel
ES13	D8	555555	P1	1110.2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Distillate Fuel Oil No. 2
Annual Throughput		Criteria/Toxic Throughput			GHG Throughput	
2,000.00000000 bbl		84.000000 M gal			84,000.00 gal	

Throughput used to calculate emissions: 84.000000 M gal

Pollutant: NOx - Nitrogen Oxides

Emission Factor (EF): 6.00000e+1 * lbs/M gal

Use default
 RECLAIM

Emission Factor Comment: [Empty text area]

Emission Factor Data Source: Source Test

Emissions: 5.04000e+3 lbs

Save Cancel

Emissions are automatically calculated and transferred to summaries.

Choose Different Worksheets

South Coast Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Facility ID: 999921

Facility Information
Build Reporting Structure
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
Summaries
Data Validation
Print Facility Report
Excel Reports
Report Submission

Facility ID: 999921 · ABC · Reporting period: 2016

Other Processes

This reporting screen is for reporting activity data for other processes used in your facility which were not covered in previous reporting screens. Please provide specific information for every associated emission source. You must select Activity and throughput units before reporting emissions. If the operation of such sources involves burning fuels, make sure emissions generated from burning fuels are reported separately. Combined emissions can also be reported here; however, it must be substantiated to avoid double reporting. Detailed instructions are available by clicking on Help icon in the tool bar.

Other Process Emissions Process List Overview

Add New Print Preview

	AER Device ID	Permit Device ID	A/N	Process ID	Status	Activity	Throughput	Unit
Open	ES34	D20	398164	P1	Work In Progress			

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

Select different worksheet from the left menu. To select process, click on **Open**.

General Worksheet Approach

Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

Facility Information

Build Reporting Structure

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

Summaries

Data Validation

Print Facility Report

Excel Reports

Report Submission

Other Processes

This reporting screen is for reporting activity data for other processes used in your facility which were not covered in previous reporting screens. Please provide specific information for every associated emission source. You must select Activity and throughput units before reporting emissions. If the operation of such sources involves burning fuels, make sure emissions generated from burning fuels are reported separately. Combined emissions can also be reported here; however, it must be substantiated to avoid double reporting. Detailed instructions are available by clicking on Help icon in the tool bar.

Step 1: Process

Optional: Mark as Completed

	AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Activity
Open	P534	D20	398164	P1		

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

Step 2: Throughput

	Annual Throughput
Open	

Step 3: Criteria Emissions (lbs)

	Pollutant	EF	Unit	Controlled EF	EF Data Source	Overall CE	Emissions
Add New							

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

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

Step 1) Process info: Click [Open](#) to complete

Step 2) Throughput info: Click [Open](#) to complete

Step 3) Emissions: Click [Add New](#) to select pollutant or TAC and complete. For example: select VOC for pollutant and enter data for VOC

Entering VOC Data

Select pollutant, enter EF, EF Data Source, and Overall Control Efficiency, if any. Emissions will be automatically calculated and transferred.

Open Criteria Emission Information - Other Processes ✕

AER Device ID	Permit Device ID	A/N	Process ID	Rule #	Activity
ES36	D22	537024	P1	1469	Metals and Alloys : Finishes : Chromium Plating : Hard Chromium - Electroplating Tank

Annual Throughput
200.000000 1000 Amp-hr

Pollutant: **VOC** *

Emission Factor (EF): **1.20000e+0** * lbs/1000 Amp-hr
 Controlled EF value
(mark checkbox if EF listed represents EF determined after control)

Overall Control Efficiency: **0.80000**

Emission Factor Comment:

Emission Factor Data Source: **MSDS** *

Emissions: 4.80000e+1 lbs

Save **Cancel**

Review Summaries

[AER Home](#) [Access Facility](#) [Facility Home](#)



Facility ID: 999921 - ABC - Reporting period: 2016

Facility ID: 999921

[Facility Information](#)

[Build Reporting Structure](#)

[Combustion Fuels](#)

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

[Report Process/Emissions](#)

[Summaries](#)

[Criteria Pollutants](#)

[Toxic \(TAC/ODC\) Pollutants](#)

[GHG Pollutants](#)

[Fees](#)

[Data Validation](#)

[Print Facility Report](#)

[Excel Reports](#)

[Report Submission](#)

Criteria Pollutants Summary

Permitted Emissions Summary

	VOC (tons)	SPOG (tons)	NOx (tons)	NOx RECLAIM (tons)	SOx (tons)	SOx RECLAIM (tons)	CO (tons)	PM (tons)
External Combustion	0.00			0.01	0.00		0.01	0.00
Internal Combustion	1.58			19.70	0.01		4.28	1.41
Spray Coating/ Spray Booth								
Other Use of Organics								
Storage Tanks								
Fugitive Components								
Other Process Emissions	0.02							
Shutdown/ Startup/ Turnaround and Upsets								
Total Permitted Emissions	1.60	0.00	0.00	19.71	0.01	0.00	4.29	1.41

Non-Permitted Emissions Summary

	VOC (tons)	SPOG (tons)	NOx (tons)	NOx RECLAIM (tons)	SOx (tons)	SOx RECLAIM (tons)	CO (tons)	PM (tons)
External Combustion								
Internal Combustion								
Spray Coating/ Spray Booth								
Other Use of Organics								
Storage Tanks								
Fugitive Components								
Other Process Emissions								
Shutdown/ Startup/ Turnaround and Upsets								
Total Non-Permitted Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Summaries Cont.

Facility ID: 999921

- Facility Information
- Build Reporting Structure
 - Combustion Fuels
 - Emission Sources (ES)
- Report Process/Emissions
 - Summaries
 - Criteria Pollutants
 - Toxic (TAC/ODC) Pollutants**
 - GHG Pollutants
 - Fees
- Data Validation
- Print Facility Report
- Excel Reports
- Report Submission

TAC/ODC Pollutants Summary

Toxic Air Contaminants (TAC) / Ozone Depleting Compounds (ODC) Emissions and Fees Summary

IAC Group	TAC / ODC	Reference	Annual Emissions (lbs)	Emissions Subject to Fee (lbs)	Fee Rates (\$/lbs)	Fee Due
32	Ammonia	Reference	2.48741e+2	249	0.03	7.47
1	Asbestos					
2	Benzene	Reference	1.56515e+1	16	2.03	32.48
3	Beryllium					
4	Butadiene [1,3]	Reference	1.82616e-1			
5	Cadmium	Reference	1.26000e-1			
6	Carbon tetrachloride					
7	Chlorinated dioxins and dibenzofurans					
8	1,4-Dioxane					
9	Ethylene dibromide {1,2-Dibromoethane}					
10	Ethylene dichloride {1,2-Dichloroethane}					
11	Ethylene oxide					
12	Formaldehyde	Reference	1.41997e-1			
13	Chromium, hexavalent (and compounds)	Reference	8.40000e-3	0	8.02	0.00
14	Arsenic and Compounds (inorganic)	Reference	1.34400e-1	0	6.02	0.00
15	Lead compounds (inorganic)	Reference	6.97700e-1	1	2.03	2.03
16	Methylene chloride {Dichloromethane}					
17	Nickel	Reference	3.27600e-1	0	4.00	0.00
18	Perchloroethylene {Tetrachloroethene}					
19	PAHs [PAH, POM]	Reference	4.69571e+0	5	6.02	30.10
20	Trichloroethylene					
21	Vinyl chloride					
22	Fluorocarbons (chlorinated)					
23	Methyl chloroform {1,1,1-Trichloroethane}					
Fees due total (\$)						245.69

References

Reference	Process Type	Emissions (lbs)
ES13	P1	1.56492e+1
ES33	P1	2.28480e-3

[OK](#)

Summaries Cont.



South Coast
AQMD

South Coast
Air Quality Management District

TEST

Logout | Edit Profile

[AER Home](#) [Access Facility](#) [Facility Home](#)



Facility ID: 999921 · ABC · Reporting period: 2016

Facility ID: 999921

[Facility Information](#)

[Build Reporting Structure](#)

[Combustion Fuels](#)

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

[Report Process/Emissions](#)

[Summaries](#)

[Criteria Pollutants](#)

[Toxic \(TAC/ODC\) Pollutants](#)

[GHG Pollutants](#)

[Fees](#)

[Data Validation](#)

[Print Facility Report](#)

[Excel Reports](#)

[Report Submission](#)

GHG Pollutants Summary

	CO2 (excluding biogenic) [metric ton]	CH4 [metric ton]	N2O [metric ton]	CO2e (excluding biogenic) [metric ton]	CO2b (biogenic) [metric ton]
External Combustion	15.6	0.00	0.000	15.6	
Internal Combustion	857.4	0.03	0.010	860.2	
Spray Coating/ Spray Booth					
Other Use of Organics					
Storage Tanks					
Fugitive Components					
Other Process Emissions					
Shutdown/Startup/Turnaround and Upsets					
Total Emissions	872.9	0.03	0.010	875.8	0.0

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)

Summaries Cont.

Facility ID: 999921

[Facility Information](#)

[Build Reporting Structure](#)

[Combustion Fuels](#)

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

[Report Process/Emissions](#)

[Summaries](#)

[Criteria Pollutants](#)

[Toxic \(TAC/ODC\) Pollutants](#)

[GHG Pollutants](#)

Fees

[Data Validation](#)

[Print Facility Report](#)

[Excel Reports](#)

[Report Submission](#)

Fees


Total Emissions and Fees

	Total Permitted Emissions (tons)	Total Non-Permitted Emissions (tons)	Total RECLAIM Emissions (tons)	Total Emissions (tons)	Total Emissions Subject to Fees (tons)	Emission Fees Due
Organic Gasses	1.60	0.00	0.00	1.60	0	\$ 0.00
Specific Organics	0.00	0.00	0.00	0.00	0	\$ 0.00
Nitrogen Oxides	0.00	0.00	19.71	19.71	20	\$ 5,729.00
Sulfur Oxides	0.01	0.00	0.00	0.01	0	\$ 0.00
Carbon Monoxide	4.29	0.00	0.00	4.29	0	\$ 0.00
Particulate Matter	1.41	0.00	0.00	1.41	0	\$ 0.00

1.	Total emission fees for all criteria pollutants	\$ 5,729.00
2.	Toxic air contaminants/ ozone depleter fees	\$ 245.69
3.	Total fees due	\$ 5,974.69
4.	Installments Paid For 2015 (if any): All Criteria Pollutants	\$ 1,000.00
5.	Installments Paid For 2015 (if any): Toxic Air Contaminants/Ozone Depleters	\$ 500.00
6.	Balance Due (Line 3 - Line 4 - Line 5)	\$ 4,474.69
7.	Late Payment Surcharge (enter the postmark date to calculate the late payment surcharge)	Report Deadline 3/1/2016 Postmark Date (MM/DD/YYYY) <input type="text"/> Late Payment Surcharge \$ 0.00
8.	Amount Due (Line 6 + Line 7) Please write AER Facility ID#(s) and 2015 AER on the check	\$ 4,474.69

Save

Data Validation



South Coast
Air Quality Management District

TEST
Logout | Edit Profile

Facility ID: 999921 - ABC - Reporting period: 2016

AER Home Access Facility Facility Home

Facility ID: 999915 - ABC - Reporting period: 2015

Facility ID: 999915

Data Validation

Rule	ES/Process	Type of Errors or Warnings
V01	Facility Info	Error: This field is mandatory, but is missing. (Average Weeks Per Year)
V01	ES1 P1	Error: This field is mandatory, but is missing. (NOx Emission Factor Data Source)

Fix all Errors, and review the complete report

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)

Submit Report



South Coast
AQMD

South Coast
Air Quality Management District

TEST

Logout | Edit Profile

[AER Home](#) [Access Facility](#) [Facility Home](#)



Submitted · Facility ID: 999915 · ABC · Reporting period: 2016

Facility ID: 999915

[Facility Information](#)

[Build Reporting Structure](#)

[Combustion Fuels](#)

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

[Report Process/Emissions](#)

[Summaries](#)

[Data Validation](#)

[Print Facility Report](#)

[Excel Reports](#)

[Report Submission](#)

Report Submission

Successfully submitted. Please remember that if any changes are needed, the Amendment needs to be submitted.

Please Print the submittal forms:


1. [Signature Sheet \(Form X\)](#)
Sign the Signature Sheet and be sure to mail them on time.
2. [Facility Status Update](#)
3. [Fees Due Summary](#)
4. [Toxic Air Contaminants and Ozone Depletes Emissions/Fee Summary](#), if applicable Other Toxic Air Contaminants Emissions Summary (only applicable to AB2588 facilities for their quadrennial report)
5. [Confirmation](#)

Please remember that all records and calculations used in completing this report are recommended to be retained for a minimum of five years. Please make a copy of complete submittal including supporting documentations and complete printout.

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)

Print Submittal Forms

Please print the submittal forms, sign the **Signature Sheet** (a check for fees due, if applicable) and mail to the **SCAQMD**.



South Coast
Air Quality Management District

TEST
Logout | Edit Profile

AER Home Access Facility Facility Home

Submitted · Facility ID: 999915 · ABC · Reporting period: 2016

Facility ID: 999915

Report Submission

Successfully submitted. Please remember that if any changes are needed, the Amendment needs to be submitted.

Please Print the submittal forms:

- [Signature Sheet \(Form X\)](#)
Sign the Signature Sheet and be sure to mail them on time.
- [Facility Status Update](#)
- [Fees Due Summary](#)
- [Toxic Air Contaminants and Ozone Depletes Emissions/Fee Summary](#), if applicable Other Toxic Air Contaminants Emissions Summary (only applicable to AB2588 facilities for their quadrennial report)
- [Confirmation](#)

Please remember that all records and calculations used in completing this report are recommended to be retained for a minimum of five years. Please make a copy of complete submittal including supporting documentations and complete printout.

[AQMD web site Home](#) | [AER Web Site](#) | [Submit question/comment](#) | [Ecotek Web Site](#) | [Report a Bug](#)