



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2024**

Print Date: **04/25/2025**

Facility Id: **17301**

Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## StatusUpdate

Facility ID	17301
Facility Shutdown Date	N/A
Change of Ownership Date	N/A
Change in Equipment Location Date	N/A
Emissions are zero for this year's report, or emissions reduced by 50%	N/A
Exemption Request	N/A
Use of alternative Calculation methodology	N/A
Other	N/A
Refund Request	N/A
Data is Confidential	NO



South Coast

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# Annual Emission Report

Reporting Year:

2024

Print Date:

04/25/2025

Facility Id: 17301

Facility Name: ORANGE COUNTY SANITATION DISTRICT

Facility Type: WasteWater Treatment - Municipal

## External Combustion Process List Overview

AER Device ID	DeviceName	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES106	Boiler No.2 (DG&NG)		494460	P1	Boiler 10-100 MMBTU/HR	Digester Gas (Biogas)	9.150000	mmscf	EF	lbs/ mmscf	2.476000		6.809000	0.130000	0.004000	1.238000
									Emissions	lbs	22.66		62.30	1.19	0.04	11.33
ES106	Boiler No.2 (DG&NG)		494460	P2	Boiler 10-100 MMBTU/HR	Natural Gas	0.760000	mmscf	EF	lbs/ mmscf	5.500000		100.000000	0.600000	84.000000	7.600000
									Emissions	lbs	4.18		76.00	0.46	63.84	5.78
ES108	Flare Compex		429662	P1	Flare	Digester Gas (Biogas)	0.940000	mmscf	EF	lbs/ mmscf	2.420000		27.000000	3.440000	17.940000	5.480000
									Emissions	lbs	2.27		25.38	3.23	16.86	5.15
ES117	Lab Boilers			P1	Boiler <10 MMBTU/HR	Natural Gas	22.730000	mmscf	EF	lbs/ mmscf	5.500000		100.000000	0.600000	84.000000	7.600000
									Emissions	lbs	125.02		2,273.00	13.64	1,909.32	172.75

Total Emissions	lbs	154.13		2,436.68	18.52	1,990.06	195.00
Total Emissions	tons	0.08	0.00	1.22	0.01	1.00	0.10



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Facility Id: 17301

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Facility Type: WasteWater Treatment - Municipal

## Internal Combustion Process List Overview

AER Device ID	DeviceName	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES95	CoGen No.1 (DG&NG)		546360	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	214.170000	mmscf	EF	lbs/ mmscf	3.140000		22.400000	0.010000	9.210000	1.110000
									Emissions	lbs	672.49		4,797.41	2.14	1,972.51	237.73
ES95	CoGen No.1 (DG&NG)		546360	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	27.400000	mmscf	EF	lbs/ mmscf	9.870000		26.500000	0.600000	39.300000	5.940000
									Emissions	lbs	270.44		726.10	16.44	1,076.82	162.76
ES96	CoGen No. 2 (DG&NG)		546361	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	187.270000	mmscf	EF	lbs/ mmscf	8.840000		17.800000	2.770000	21.000000	3.790000
									Emissions	lbs	1,655.47		3,333.41	518.74	3,932.67	709.75
ES96	CoGen No. 2 (DG&NG)		546361	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	27.450000	mmscf	EF	lbs/ mmscf	9.870000		26.500000	0.600000	39.300000	5.940000
									Emissions	lbs	270.93		727.43	16.47	1,078.79	163.05
ES97	CoGen No.3 (DG&NG)		546362	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	194.360000	mmscf	EF	lbs/ mmscf	3.880000		17.600000	1.910000	17.100000	2.550000
									Emissions	lbs	754.12		3,420.74	371.23	3,323.56	495.62
ES97	CoGen No.3 (DG&NG)		546362	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	34.460000	mmscf	EF	lbs/ mmscf	9.870000		26.500000	0.600000	39.300000	5.940000
									Emissions	lbs	340.12		913.19	20.68	1,354.28	204.69
ES98	EmICE No.1		133995	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.625000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
									Emissions	lbs	23.44		293.13	0.13	63.75	20.94

AER Device ID	DeviceName	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES99	EmICE No. 2		133994	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.485000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
									Emissions	lbs	18.19		227.47	0.10	49.47	16.25
ES100	EmICE No.3		134619	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.465000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
									Emissions	lbs	17.44		218.09	0.10	47.43	15.58
ES101	EmICE No.4		135464	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.635000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
									Emissions	lbs	23.81		297.82	0.13	64.77	21.27
ES102	EmICE No.5		428945	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.540000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
									Emissions	lbs	57.75		722.26	0.32	157.08	51.59
ES103	EmICE No.6		408166	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.320000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
									Emissions	lbs	49.50		619.08	0.28	134.64	44.22
ES104	Gas Turbine No.1		06049A	P1	Turbines	Distillate Fuel Oil No. 2 (Diesel)	0.665000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	3.350000
									Emissions	lbs	24.94		311.89	0.14	67.83	2.23
ES105	Gas Turbine No.3		06050A	P1	Turbines	Distillate Fuel Oil No. 2 (Diesel)	0.910000	M gal	EF	lbs/ M gal	35.700000		469.000000	0.210000	102.000000	33.500000
									Emissions	lbs	32.49		426.79	0.19	92.82	30.49
ES114	E1240		619284	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Distillate Fuel Oil No. 2 (Diesel)	0.004500	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	5.025000
									Emissions	lbs	0.17		2.11	0.00	0.46	0.02
ES115	E1239		619285	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Distillate Fuel Oil No. 2 (Diesel)	0.004500	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	5.025000
									Emissions	lbs	0.17		2.11	0.00	0.46	0.02
ES116	E1241		619286	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Distillate Fuel Oil No. 2 (Diesel)	0.004500	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	5.025000
									Emissions	lbs	0.17		2.11	0.00	0.46	0.02
ES118	OC San PERP			P1	Portable I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	4.678000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
									Emissions	lbs	175.43		2,193.98	0.98	477.16	156.71

Total Emissions	lbs	4,387.05		19,235.08	948.07	13,894.94	2,332.94
Total Emissions	tons	2.19	0.00	9.62	0.47	6.95	1.17



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# Annual Emission Report

Reporting Year: 2024

Print Date: 04/25/2025

Facility Id: 17301  
Facility Name: ORANGE COUNTY SANITATION DISTRICT  
Facility Type: WasteWater Treatment - Municipal

## Spray Coating/Spray Booth Process List Overview

AER Device ID	Device Name	Permit Device ID	A/N	Process ID	Equipment	Material Activity Code	Material Description	Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES88	Spray Booth		13973X	P1	Spray Booth	Coating : Coating of Metal Parts and Products : HVLP Application : Air Dried - Repair / Touch Up	Misc.	5.500000	gal	EF	lbs/ gal	1.840000					1.050000
										Emissions	lbs	10.12					0.58
									Total Emissions		lbs	10.12					0.58
									Total Emissions		tons	0.01	0.00	0.00	0.00	0.00	0.00



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# Annual Emission Report

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Facility Id: 17301

Facility Name: ORANGE COUNTY SANITATION DISTRICT

Facility Type: WasteWater Treatment - Municipal

## Storage Tanks Process List Overview

AER Device ID	Device Name	Permit Device ID	A/N	Process ID	Equipment	Product	Throughput	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES91	Diesel Tank			P1	Storage tank and Dispensing	Distillate fuel oil no. 2	1.500000	M gal	EF	lbs/ M gal	0.028000					
									Emissions	lbs	0.04					

Total Emissions	lbs	0.04					
Total Emissions	tons	0.00	0.00	0.00	0.00	0.00	0.00



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## Other Process Emissions Process List Overview

AER Device ID	Device Name	Permit Device ID	A/N	Process ID	Activity	Throughput	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM	Permit Equipment Description
ES89	Abrasive Blasting Machine		568969	P1	Abrasive Blasting/Finishing : Metal Part : Abrasive Blasting : Other Material	6.000000	hour	EF	lbs/ hour						0.042000	
								Emissions	lbs						0.25	
ES90	Sewage Treatment		615959	P1	Miscellaneous Operations and Services : POTW : Government : Entire Plant	113.480000	MMgal/day	EF	lbs/ MMgal/day	240.000000						
								Emissions	lbs	27,235.20						
ES119	Rebuild Shop			P1	Metals and Alloys : Fabricated : Machining Operations : Other Not Classified	2.600000	lbs	EF	lbs/ lbs						0.100000	Rebuild shop - PAC
								Emissions	lbs						0.26	

Total Emissions	lbs	27,235.20					0.51	
Total Emissions	tons	13.62	0.00	0.00	0.00	0.00	0.00	



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Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## Criteria Pollutants Permitted Emissions Summary (Excluding PERP)

	VOC (tons)	SPOG (tons)	NOx (tons)	NOx RECLAIM (tons)	SOx (tons)	SOx RECLAIM (tons)	CO (tons)	PM (tons)
External Combustion	0.08	0.00	1.22	0.00	0.01	0.00	1.00	0.10
Internal Combustion	2.11	0.00	8.52	0.00	0.47	0.00	6.71	1.09
Spray Coating/ Spray Booth	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Use of Organics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage Tanks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fugitive Components	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Process Emissions	13.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shutdown/Startup/Turnaround and Upsets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Permitted Emissions</b>	<b>15.82</b>	<b>0.00</b>	<b>9.74</b>	<b>0.00</b>	<b>0.48</b>	<b>0.00</b>	<b>7.71</b>	<b>1.19</b>





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## Criteria Pollutants Non-Permitted Emissions Summary (Excluding PERP)

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



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Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## Criteria Pollutants PERP Emissions Summary

	VOC (tons)	SPOG (tons)	NOx (tons)	NOx RECLAIM (tons)	SOx (tons)	SOx RECLAIM (tons)	CO (tons)	PM (tons)
External Combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Internal Combustion	0.09	0.00	1.10	0.00	0.00	0.00	0.24	0.08
Spray Coating/ Spray Booth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Use of Organics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage Tanks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fugitive Components	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Process Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shutdown/Startup/Turnaround and Upsets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total PERP Emissions</b>	<b>0.09</b>	<b>0.00</b>	<b>1.10</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.24</b>	<b>0.08</b>



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Reporting Year: **2024**

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Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

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

For detailed TAC Records please see  
related "AER TAC Report" Excel file



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# Annual Emission Report

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Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## Other Toxic Air Contaminants (TAC) Emissions Summary Applicable to AB2588 Facility

For detailed TAC Records please see  
related "AER TAC Report" Excel file



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## Annual Emission Report

Reporting Year:

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Print Date:

04/25/2025

Facility Name ORANGE COUNTY SANITATION DISTRICT

Facility Type: WasteWater Treatment - Municipal

## Total Emissions and Fees

Submittal Date: No later than May 01 2025	Total Permitted Emissions (tons)	Total Non- Permitted Emissions (tons)	Total RECLAIM Emissions (tons)	Total Emission (tons)	PERP Emissions excluded from fees (tons)	Rule 317.1 Emissions Excluded from Fees (tons)	Total Emissions/ Subject To Fee (tons)	Emissions Fees Due
Organic Gasses	15.82	0.00		15.93	0.09	0.02	16.00	\$10,236.20
Specific Organics	0.00	0.00		0.00	0	N/A	0.00	\$0.00
Nitrogen Oxides	9.74	0.00	0.00	10.84	1.10	0	10.00	\$3,224.55
Sulfur Oxides	0.48	0.00	0.00	0.48	0.00	N/A	0.00	\$0.00
Carbon Monoxide	7.71	0.00		7.95	0.24	N/A	0.00	\$0.00
Particulate Matter	1.19	0.00		1.27	0.08	N/A	0.00	\$0.00

1. TOTAL EMISSION FEES FOR ALL CRITERIA POLLUTANTS	\$13,460.75
2. TOXIC AIR CONTAMINANTS/ OZONE DEPLETER FEES (Total amount from Form TACS or DC)	\$8,821.07
TAC Fees Breakdown	
Facility Flat Fee:	\$85.28
CPWE Emission Fees:	\$3880.15
Ammonia & Depleting Compounds (ODC) Fees:	\$371.48
Per Device Fees (total devices with fees 12):	\$4484.16
Total Facility TAC Fees:	\$8821.07

3. TOTAL FEES DUE	\$22,281.82
4. INSTALLMENTS PAID FOR [Year] - (if any) -- All Criteria Pollutants	\$6,883.14
5. INSTALLMENTS PAID FOR [Year] - (if any) -- Toxic Air Contaminants/Ozone Depleters	\$5,149.31
6. BALANCE DUE (Line 3 - Line 4 - Line 5)	\$10,249.37
7. LATE PAYMENT SURCHARGE	\$0.00
8. AMOUNT DUE (Line 6 + Line 7)	\$10,249.37





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## Electronic Certification Sheet

### Information

NAICS code:	221320	
AB2588 Filing Period:	No	Brief Description of Operation
RECLAIM:	No	
Facility Operating Status:	Operating	
Classified As Small Business:	No	
Business Operating Hours		
Hours/Day;	24	
Days/Week:	7	
Weeks/Year:	52	

### Equipment Location Address

Facility Name:  
ORANGE COUNTY SANITATION DISTRICT  
10844 ELLIS AVE  
FOUNTAIN VALLEY, CA 92708 7018

### Mailing Information

Facility Name:  
ORANGE COUNTY SANITATION DISTRICT  
18480 Bandilier Circle  
Fountain Valley, CA 92708

### Contact Information

Name:	Randa AbuShaban	Phone:	714 593-7413
Title:	Senior Regulatory Specialist	Fax:	
E-mail:	rabushaban@ocsan.gov		

### Preparer Information

Name:	Randa AbuShaban	Phone:	714 593-7413
Title:	Senior Regulatory Specialist	Fax:	
E-mail:	rabushaban@ocsan.gov		

### Authorized Person Information

Name:	Randa AbuShaban	Phone:	714 593-7413
Title:	Senior Regulatory Specialist	Fax:	
E-mail:	rabushaban@ocsan.gov		

I declare under penalty of perjury that the data submitted truly represents throughput and emissions for this reporting period, and that the emission factors represent the best available data for my company in the calculation of annual emission figures.

☒ I acknowledge that I have read the South Coast AQMD Certification Statement.\*

☒ I agree on the responsibility for this AER Report Submission in accordance with Certification Statement.\*



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# Annual Emission Report

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Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## AER Submittal Confirmation

Thank you for submitting your Annual Emissions Report for Facility ID: 17301 on 4/25/2025 2:13:43 PM.

Please print the AER Payment Voucher and include the check for emission fees due if applicable and mail them to the SCAQMD.

AER Payment Voucher and check are first received and processed by Bank of America for check deposits, return receipts for certified mails will be stamped by Bank of America rather than AQMD. Please mail the required AER Payment Voucher and check to the following address:

South Coast Air Quality Management District  
P.O. Box 54493  
Los Angeles, CA 90074-4493

\* To avoid late payment surcharges, all mails must be postmarked by the Post Office on or before May 01, 2025

NOTE: For any Express/Overnight/Courier delivery, example FedEx, please use the following address:

Bank of America Lockbox Services  
South Coast Air Quality Management District - Lockbox 054493  
2706 Media Center Drive  
Los Angeles, CA 90065

If you wish to use a messenger (or hand deliver), the package should be delivered to the cashier's booth at AQMD Headquarters at the address listed below in Diamond Bar on or before 5:00 p.m. May 01, 2025  
Please note that AQMD is closed on Mondays.

South Coast Air Quality Management District  
ATTN: Cash Management  
Annual Emission Reporting Program  
21865 Copley Drive  
Diamond Bar, CA 91765-4178