



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2022**

Print Date: **04/27/2023**

Facility Id: **29110**  
Facility Name **ORANGE COUNTY SANITATION DISTRICT**  
Facility Type: **WasteWater Treatment - Municipal**

## StatusUpdate

Facility ID	29110
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



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Facility Id: **29110**  
 Facility Name: **ORANGE COUNTY SANITATION DISTRICT**  
 Facility Type: **WasteWater Treatment - Municipal**

## External Combustion Process List Overview

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units	Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES107		545004	P1	Boiler 10-100 MMBTU/HR	Digester Gas (Biogas)	0.930000	mmscf	EF lbs/ mmscf	9.195000		12.873000	0.130000	0.026000	1.839000
								Emissions lbs	8.55		11.97	0.12	0.02	1.71
ES107		545004	P2	Boiler 10-100 MMBTU/HR	Natural Gas	0.062900	mmscf	EF lbs/ mmscf	5.500000		10.510000	0.600000	5.150000	7.600000
								Emissions lbs	0.35		0.66	0.04	0.32	0.48
ES108		545005	P1	Boiler 10-100 MMBTU/HR	Digester Gas (Biogas)	0.760000	mmscf	EF lbs/ mmscf	8.346000		14.124000	0.130000	0.040000	1.926000
								Emissions lbs	6.34		10.73	0.10	0.03	1.46
ES108		545005	P2	Boiler 10-100 MMBTU/HR	Natural Gas	0.010000	mmscf	EF lbs/ mmscf	5.500000		10.510000	0.600000	5.150000	7.600000
								Emissions lbs	0.06		0.11	0.01	0.05	0.08
ES111		429663	P1	Flare	Digester Gas (Biogas)	1.390000	mmscf	EF lbs/ mmscf	1.700000		25.800000	0.008000	50.100000	7.500000
								Emissions lbs	2.36		35.86	0.01	69.64	10.43

Total Emissions	lbs	17.66		59.33	0.27	70.07	14.15
Total Emissions	tons	0.01	0.00	0.03	0.00	0.04	0.01



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Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## Internal Combustion Process List Overview

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units	Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES97	611439	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	91.920000	mmscf	EF	lbs/ mmscf	9.190000		15.200000	0.040000	22.000000	1.820000
							Emissions	lbs	844.74		1,397.18	3.68	2,022.24	167.29
ES97	611439	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	12.990000	mmscf	EF	lbs/ mmscf	31.700000		21.800000	0.600000	46.000000	3.200000
							Emissions	lbs	411.78		283.18	7.79	597.54	41.57
ES98	611440	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	189.500000	mmscf	EF	lbs/ mmscf	10.310000		21.300000	0.010000	24.800000	1.590000
							Emissions	lbs	1,953.75		4,036.35	1.90	4,699.60	301.31
ES98	611440	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	22.650000	mmscf	EF	lbs/ mmscf	31.700000		21.800000	0.600000	46.000000	3.200000
							Emissions	lbs	718.01		493.77	13.59	1,041.90	72.48
ES99	611441	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	219.020000	mmscf	EF	lbs/ mmscf	10.720000		18.300000	0.010000	20.300000	2.900000
							Emissions	lbs	2,347.89		4,008.07	2.19	4,446.11	635.16
ES99	611441	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	27.990000	mmscf	EF	lbs/ mmscf	31.700000		21.800000	0.600000	46.000000	3.200000
							Emissions	lbs	887.28		610.18	16.79	1,287.54	89.57
ES100	611442	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	177.630000	mmscf	EF	lbs/ mmscf	10.100000		21.200000	0.010000	15.700000	2.090000
							Emissions	lbs	1,794.06		3,765.76	1.78	2,788.79	371.25

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES100	611442	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	17.790000	mmscf	EF	lbs/ mmscf	31.700000			21.800000	0.600000	46.000000	3.200000
							Emissions	lbs	563.94			387.82	10.67	818.34	56.93
ES101	611443	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	62.810000	mmscf	EF	lbs/ mmscf	13.400000			19.800000	0.010000	25.400000	2.920000
							Emissions	lbs	841.65			1,243.64	0.63	1,595.37	183.41
ES101	611443	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	2.630000	mmscf	EF	lbs/ mmscf	31.700000			21.800000	0.600000	46.000000	3.200000
							Emissions	lbs	83.37			57.33	1.58	120.98	8.42
ES112	474770	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.208500	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	7.82			97.79	0.04	21.27	6.98
ES113	474769	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	2.432500	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	91.22			1,140.84	0.51	248.12	81.49
ES114	474768	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.730000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	27.38			342.37	0.15	74.46	24.46
ES115	474767	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.815000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	30.56			382.24	0.17	83.13	27.30
ES116	474766	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.760000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	28.50			356.44	0.16	77.52	25.46
ES117	455673	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.529000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	57.34			717.10	0.32	155.96	51.22
ES119	455670	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.556800	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	58.38			730.14	0.33	158.79	52.15
ES120	424369	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	2.307400	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	86.53			1,082.17	0.48	235.35	77.30
ES125	455671	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.584600	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	59.42			743.18	0.33	161.63	53.08
ES129		P1	Portable I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.712000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	26.70			333.93	0.15	72.62	23.85

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES130			P1	Portable I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	7.959000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
								Emissions	lbs	298.46		3,732.77	1.67	811.82	266.63

Total Emissions	lbs	11,218.79		25,942.25	64.92	21,519.08	2,617.30
Total Emissions	tons	5.61	0.00	12.97	0.03	10.76	1.31



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# Annual Emission Report

Reporting Year: **2022**

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Facility Id: **29110**  
 Facility Name **ORANGE COUNTY SANITATION DISTRICT**  
 Facility Type: **WasteWater Treatment - Municipal**

## Other Use of Organics Process List Overview

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Material Activity Code	Material Description	Usage	Units	Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES126			P1	Coating (Flow / Dip / Roll / Hand Application)	Others : Adhesive and Sealant Applications : Hand Application : Multipurpose Construction Adhesives	Adhesives	0.422000	gal	EF	lbs/ gal	4.284000				
									Emissions	lbs	1.81				
ES127			P1	Coating (Flow / Dip / Roll / Hand Application)	Coating : Coating of Metal Parts and Products : Hand Application : Air Dried - Repair / Touch Up	ENAMEL/ EPOXY	30.850000	gal	EF	lbs/ gal	0.792000				
									Emissions	lbs	24.43				
ES127			P2	Coating (Flow / Dip / Roll / Hand Application)	Coating : Coating of Metal Parts and Products : Flow, Roll or Dip Coater : Air Dried - Repair / Touch Up	Structure components	5.150000	gal	EF	lbs/ gal	0.770000				
									Emissions	lbs	3.97				

Total Emissions	lbs	30.21					
Total Emissions	tons	0.02	0.00	0.00	0.00	0.00	0.00



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 Facility Type: **WasteWater Treatment - Municipal**

## Other Process Emissions Process List Overview

AER Device ID	Permit Device ID	A/N	Process ID	Activity	Throughput	Units	Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM	Permit Equipment Description
ES96		618472	P1	Miscellaneous Operations and Services : POTW : Government : Entire Plant	59.420000	MMgal/day	EF	219.000000						
							Emissions	13,012.98						

Total Emissions	lbs	13,012.98					
Total Emissions	tons	6.51	0.00	0.00	0.00	0.00	0.00







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Facility Id: **29110**  
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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	0.01	0.00	0.03	0.00	0.00	0.00	0.04	0.01
Internal Combustion	5.45	0.00	10.94	0.00	0.03	0.00	10.32	1.16
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	6.51	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>11.97</b>	<b>0.00</b>	<b>10.97</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>10.36</b>	<b>1.17</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	0.02	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>0.02</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**

## 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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## 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

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 Facility Type: **WasteWater Treatment - Municipal**

Print Date: **04/27/2023**

## Total Emissions and Fees

Submittal Date: No later than May 01 2023	Total Permitted Emissions (tons)	Total Non- Permitted Emissions (tons)	Total RECLAIM Emissions (tons)	Total Emission (tons)	Total Emissions/ Subject To Fee (tons)	Emissions Fees Due
Organic Gasses	11.97	0.02		12.15	12.00	\$6,483.87
Specific Organics	0.00	0.00		0.00	0.00	\$0.00
Nitrogen Oxides	10.97	0.00	0.00	13.00	11.00	\$3,371.76
Sulfur Oxides	0.03	0.00	0.00	0.03	0.00	\$0.00
Carbon Monoxide	10.36	0.00		10.80	0.00	\$0.00
Particulate Matter	1.17	0.00		1.32	0.00	\$0.00
1. TOTAL EMISSION FEES FOR ALL CRITERIA POLLUTANTS						\$9,855.63
2. TOXIC AIR CONTAMINANTS/ OZONE DEPLETER FEES (Total amount from Form TACS or DC)						\$12,633.41
<b>TAC Fees Breakdown</b>						
Facility Flat Fee:						\$78.03
CPWE Emission Fees:						\$6940.00
Ammonia & Depleting Compounds (ODC) Fees:						\$487.03
Per Device Fees (total devices with fees 15):						\$5128.35
						\$12633.41

3. TOTAL FEES DUE	\$22,489.04
4. INSTALLMENTS PAID FOR 2022 - (if any) -- All Criteria Pollutants	\$3,810.26
5. INSTALLMENTS PAID FOR 2022 - (if any) -- Toxic Air Contaminants/Ozone Depleters	\$8,875.15
6. BALANCE DUE (Line 3 - Line 4 - Line 5)	\$9,803.63
7. LATE PAYMENT SURCHARGE	\$0.00
<b>8. AMOUNT DUE</b>	<b>\$9,803.63</b>



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## Electronic Certification Sheet

### Information

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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

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Facility Name:  
ORANGE COUNTY SANITATION DISTRICT  
22212 BROOKHURST ST  
HUNTINGTON BEACH, CA 92646 8457

### Mailing Information

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Facility Name:  
ORANGE COUNTY SANITATION DISTRICT  
10844 Ellis Avenue  
Fountain Valley, CA 92708

### Contact Information

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

### Preparer Information

---

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

### Authorized Person Information

---

Name: Randa Abushaban Phone: 714 593-7413 Ext. 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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## AER Submittal Confirmation

Thank you for submitting your Annual Emissions Report for Facility ID: 29110.

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  
Annual Emission Reporting Program  
File No. 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, 2023

NOTE: For any overnight delivery, example FedEx, please use the following address:

Bank of America Lockbox Services  
Lockbox LAC-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, 2023  
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