



South Coast

AQMD

Annual Emission Report

Reporting Year: **2021**

Print Date: **03/14/2022**

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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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)	0.104930	mmscf	EF lbs/ mmscf	3.870000		8.020000	3.590000	18.800000	2.690000
								Emissions lbs	0.41		0.84	0.38	1.97	0.28
ES107		545004	P2	Boiler 10-100 MMBTU/HR	Natural Gas	0.049561	mmscf	EF lbs/ mmscf	5.500000		10.510000	0.600000	5.150000	7.600000
								Emissions lbs	0.27		0.52	0.03	0.26	0.38
ES108		545005	P1	Boiler 10-100 MMBTU/HR	Digester Gas (Biogas)	0.042260	mmscf	EF lbs/ mmscf	6.930000		12.610000	3.230000	26.410000	3.050000
								Emissions lbs	0.29		0.53	0.14	1.12	0.13
ES108		545005	P2	Boiler 10-100 MMBTU/HR	Natural Gas	0.003735	mmscf	EF lbs/ mmscf	5.500000		10.510000	0.600000	5.150000	7.600000
								Emissions lbs	0.02		0.04	0.00	0.02	0.03
ES111		429663	P1	Flare	Digester Gas (Biogas)	1.732000	mmscf	EF lbs/ mmscf	1.700000		25.800000	0.008000	50.100000	7.500000
								Emissions lbs	2.94		44.69	0.01	86.77	12.99

Total Emissions	lbs	3.94		46.62	0.56	90.14	13.81
Total Emissions	tons	0.00	0.00	0.02	0.00	0.05	0.01



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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)	123.860000	mmscf	EF lbs/ mmscf	1.130000			16.900000	0.010000	12.000000	2.230000
							Emissions lbs	139.96		2,093.23	1.24	1,486.32	276.21	
ES97	611439	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	14.690000	mmscf	EF lbs/ mmscf	11.700000			32.200000	0.600000	21.900000	7.700000
							Emissions lbs	171.87		473.02	8.81	321.71	113.11	
ES98	611440	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	152.920000	mmscf	EF lbs/ mmscf	7.200000			7.900000	0.010000	19.800000	2.210000
							Emissions lbs	1,101.02		1,208.07	1.53	3,027.82	337.95	
ES98	611440	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	15.840000	mmscf	EF lbs/ mmscf	11.700000			32.200000	0.600000	21.900000	7.700000
							Emissions lbs	185.33		510.05	9.50	346.90	121.97	
ES99	611441	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	180.650000	mmscf	EF lbs/ mmscf	1.710000			8.900000	0.010000	13.100000	8.920000
							Emissions lbs	308.91		1,607.79	1.81	2,366.52	1,611.40	
ES99	611441	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	19.140000	mmscf	EF lbs/ mmscf	11.700000			32.200000	0.600000	21.900000	7.700000
							Emissions lbs	223.94		616.31	11.48	419.17	147.38	
ES100	611442	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	151.550000	mmscf	EF lbs/ mmscf	2.770000			10.700000	0.010000	11.600000	4.070000
							Emissions lbs	419.79		1,621.59	1.52	1,757.98	616.81	

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	15.610000	mmscf	EF	lbs/ mmscf	11.700000			32.200000	0.600000	21.900000	7.700000
							Emissions	lbs	182.64		502.64	9.37	341.86	120.20	
ES101	611443	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	196.240000	mmscf	EF	lbs/ mmscf	2.900000			14.000000	0.010000	13.100000	7.900000
							Emissions	lbs	569.10		2,747.36	1.96	2,570.74	1,550.30	
ES101	611443	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	13.290000	mmscf	EF	lbs/ mmscf	11.700000			32.200000	0.600000	21.900000	7.700000
							Emissions	lbs	155.49		427.94	7.97	291.05	102.33	
ES112	474770	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	5.170800	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	193.91		2,425.11	1.09	527.42	173.22	
ES113	474769	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	6.324500	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	237.17		2,966.19	1.33	645.10	211.87	
ES114	474768	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.080000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	40.50		506.52	0.23	110.16	36.18	
ES115	474767	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.920000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	72.00		900.48	0.40	195.84	64.32	
ES116	474766	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.820000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	68.25		853.58	0.38	185.64	60.97	
ES117	455673	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.667200	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	25.02		312.92	0.14	68.05	22.35	
ES119	455670	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	2.140600	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	80.27		1,003.94	0.45	218.34	71.71	
ES120	424369	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	3.753000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	140.74		1,760.16	0.79	382.81	125.73	
ES125	455671	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.987700	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	74.54		932.23	0.42	202.75	66.59	

Total Emissions	lbs	4,390.45		23,469.11	60.42	15,466.17	5,830.59
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AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units	Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
						Total Emissions		tons	2.20	0.00	11.73	0.03	7.73	2.92



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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	2.650000	gal	EF	lbs/ gal	4.160000				
									Emissions	lbs	11.02				
ES127			P1	Coating (Flow / Dip / Roll / Hand Application)	Coating : Coating of Metal Parts and Products : Hand Application : Air Dried - Repair / Touch Up	ENAMEL/ EPOXY	40.770000	gal	EF	lbs/ gal	0.751600				
									Emissions	lbs	30.64				
ES128			P1	Coating (Flow / Dip / Roll / Hand Application)	Coating : Coating of Metal Parts and Products : Hand Application : Air Dried - Repair / Touch Up	Primer	11.200000	gal	EF	lbs/ gal	0.952500				
									Emissions	lbs	10.67				

Total Emissions	lbs	52.33					
Total Emissions	tons	0.03	0.00	0.00	0.00	0.00	0.00



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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	61.020000	MMgal/day	EF	219.000000						
							Emissions	13,363.38						

Total Emissions	lbs	13,363.38						
Total Emissions	tons	6.68	0.00	0.00	0.00	0.00	0.00	



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Criteria Pollutants 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	0.00	0.02	0.00	0.00	0.00	0.05	0.01
Internal Combustion	2.20	0.00	11.73	0.00	0.03	0.00	7.73	2.92
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	6.68	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
Total Permitted Emissions	8.88	0.00	11.75	0.00	0.03	0.00	7.78	2.93



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Criteria Pollutants Non-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	0.00	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	0.03	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
Total Non-Permitted Emissions	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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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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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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Total Emissions and Fees

Submittal Date: No later than March 17 2022	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	8.88	0.03		8.91	9.00	\$4,058.76
Specific Organics	0.00	0.00		0.00	0.00	\$0.00
Nitrogen Oxides	11.75	0.00	0.00	11.75	12.00	\$3,561.75
Sulfur Oxides	0.03	0.00	0.00	0.03	0.00	\$0.00
Carbon Monoxide	7.78	0.00		7.78	0.00	\$0.00
Particulate Matter	2.93	0.00		2.93	0.00	\$0.00
1. TOTAL EMISSION FEES FOR ALL CRITERIA POLLUTANTS						\$7,620.51
2. TOXIC AIR CONTAMINANTS/ OZONE DEPLETER FEES (Total amount from Form TACS or DC)						\$17,750.30
TAC Fees Breakdown						
Facility Flat Fee:					\$78.03	
CPWE Emission Fees:					\$12030.00	
Ammonia & Depleting Compounds (ODC) Fees:					\$513.92	
Per Device Fees (total devices with fees 15):					\$5128.35	
					\$17750.30	
3. TOTAL FEES DUE						\$25,370.81
4. INSTALLMENTS PAID FOR 2021 - (if any) -- All Criteria Pollutants						\$4,291.68
5. INSTALLMENTS PAID FOR 2021 - (if any) -- Toxic Air Contaminants/Ozone Depleters						\$6,817.09
6. BALANCE DUE (Line 3 - Line 4 - Line 5)						\$14,262.04
7. LATE PAYMENT SURCHARGE						\$0.00
8. AMOUNT DUE						\$14,262.04



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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
22212 BROOKHURST ST
HUNTINGTON BEACH, CA 92646 8457

Mailing Information

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

Contact Information

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 March 17, 2022

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. March 17, 2022
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