

AQMD Reporting Year: 2021

Facility Id: 29110 Print Date: 03/14/2022

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



Reporting Year: 2021

Print Date: 03/14/2022

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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	со	РМ
ES107		545004	P1	Boiler 10-100	Digester Gas	0.104930	mmscf	EF	lbs/ mmscf	3.870000		8.020000	3.590000	18.800000	2.690000
				MMBTU/HR	(Biogas)			Emissions	lbs	0.41		0.84	0.38	1.97	0.28
ES107		545004	P2	Boiler 10-100	Natural	0.049561	mmscf	EF	lbs/ mmscf	5.500000		10.510000	0.600000	5.150000	7.600000
20.0.		0.000.		MMBTU/HR	Gas	0.0.1000.		Emissions	lbs	0.27		0.52	0.03	0.26	0.38
ES108		545005	P1	Boiler 10-100	Digester Gas	0.042260	mmscf	EF	lbs/ mmscf	6.930000		12.610000	3.230000	26.410000	3.050000
20.00		0.0000		MMBTU/HR	(Biogas)	0.0.12200		Emissions	lbs	0.29		0.53	0.14	1.12	0.13
ES108		545005	P2	Boiler 10-100	Natural	0.003735	mmscf	EF	lbs/ mmscf	5.500000		10.510000	0.600000	5.150000	7.600000
20100		040000	12	MMBTU/HR	Gas	0.000700	mmoor	Emissions	lbs	0.02		0.04	0.00	0.02	0.03
ES111		429663	P1	Flare	Digester Gas	1.732000	mmscf	EF	lbs/ mmscf	1.700000		25.800000	0.008000	50.100000	7.500000
					(Biogas)			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	со	PM
F007		044.400	P1	Stationary I.C. Engines, 4	Digester	123.8600		EF	lbs/ mmscf	1.130000		16.900000	0.010000	12.000000	2.230000
ES97		611439	P1	Stroke-Lean Burn, with Catalyst	Gas (Biogas)	00	mmscf	Emissions	lbs	139.96		2,093.23	1.24	1,486.32	276.21
				Stationary I.C. Engines, 4	Natural	14.69000		EF	lbs/ mmscf	11.700000		32.200000	0.600000	21.900000	7.700000
ES97		611439	P2	Stroke-Lean Burn, with Catalyst	Gas	0		Emissions	lbs	171.87		473.02	8.81	321.71	113.11
				Stationary I.C. Engines, 4	Digester	152.9200		EF	lbs/ mmscf	7.200000		7.900000	0.010000	19.800000	2.210000
ES98		611440	P1	Stroke-Lean Burn, with Catalyst	Gas (Biogas)	00		Emissions	lbs	1,101.02		1,208.07	1.53	3,027.82	337.95
				Stationary I.C. Engines, 4	Natural	15.84000		EF	lbs/ mmscf	11.700000		32.200000	0.600000	21.900000	7.700000
ES98		611440	P2	Stroke-Lean Burn, with Catalyst	Gas	0		Emissions	lbs	185.33		510.05	9.50	346.90	121.97
				Stationary I.C. Engines, 4	Digester	180.6500		EF	lbs/ mmscf	1.710000		8.900000	0.010000	13.100000	8.920000
ES99		611441	P1	Stroke-Lean Burn, with Catalyst	Gas (Biogas)	00		Emissions	lbs	308.91		1,607.79	1.81	2,366.52	1,611.40
				Stationary I.C. Engines, 4	Natural	19.14000		EF	lbs/ mmscf	11.700000		32.200000	0.600000	21.900000	7.700000
ES99		611441	P2	Stroke-Lean Burn, with Catalyst	Gas	0		Emissions	lbs	223.94		616.31	11.48	419.17	147.38
				Stationary I.C. Engines, 4	Digester	151.5500		EF	lbs/ mmscf	2.770000		10.700000	0.010000	11.600000	4.070000
ES100		611442	P1	Stroke-Lean Burn, with Catalyst	Gas (Biogas)	00		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	СО	PM
ES100		611442	P2	Stationary I.C. Engines, 4 Stroke-Lean	Natural	15.61000		EF	lbs/ mmscf	11.700000		32.200000	0.600000	21.900000	7.700000
20100		011442	12	Burn, with Catalyst	Gas	0	IIIIII	Emissions	lbs	182.64		502.64	9.37	341.86	120.20
ES101		611443	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with	Digester Gas (Biogas)	196.2400 00		EF Emissions	lbs/ mmscf	2.900000		14.000000 2,747.36	0.010000	13.100000 2,570.74	7.900000
				Catalyst	(Diogas)			EMISSIONS	IDS	569.10		2,747.30	1.96	2,570.74	1,550.30
ES101		611443	P2	Stationary I.C. Engines, 4 Stroke-Lean	Natural	13.29000		EF	lbs/ mmscf	11.700000		32.200000	0.600000	21.900000	7.700000
				Burn, with Catalyst	Gas	0		Emissions	lbs	155.49		427.94	7.97	291.05	102.33
E0440		47.4770	D4	Stationary I.C. Engines, 4	Distillate Fuel Oil	F 470000	M ===1	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
ES112		474770	P1	Stroke-Lean Burn	No. 2 (Diesel)	5.170800	м даг	Emissions	lbs	193.91		2,425.11	1.09	527.42	173.22
ES113		474769	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	6.324500	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)		_	Emissions	lbs	237.17		2,966.19	1.33	645.10	211.87
ES114		474768	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	1.080000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	40.50		506.52	0.23	110.16	36.18
ES115		474767	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	1.920000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	72.00		900.48	0.40	195.84	64.32
ES116		474766	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	1.820000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	68.25		853.58	0.38	185.64	60.97
ES117		455673	P1	Stationary I.C. Engines, 4	Distillate Fuel Oil	0.667200	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
L3117		455075	F1	Stroke-Lean Burn	No. 2 (Diesel)	0.007200	ivi gai	Emissions	lbs	25.02		312.92	0.14	68.05	22.35
ES119		455670	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	2.140600	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	80.27		1,003.94	0.45	218.34	71.71
ES120		424369	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	3.753000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	140.74		1,760.16	0.79	382.81	125.73
ES125		455671	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	1.987700	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	74.54		932.23	0.42	202.75	66.59

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	со	PM	
						Total E	Emissions	t	ons	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	со	РМ
ES126			P1	Coating (Flow / Dip / Roll / Hand Application)	Others : Adhesive and Sealant Applications : Hand Application : Multipurpose Construction Adhesives	Adhesives	2.650000	gal	EF Emissions	lbs/ gal	4.160000					
ES127			P1	Coating (Flow / Dip / Roll / Hand	Coating : Coating of Metal Parts and Products : Hand	ENAMEL/ EPOXY	40.77000	gal	EF	lbs/ gal	0.751600					
				Application)	Application : Air Dried - Repair / Touch Up		U		Emissions	lbs	30.64					
ES128			P1	Coating (Flow / Dip / Roll / Hand	Coating : Coating of Metal Parts and Products : Hand	Primer	11.20000	gal	EF	lbs/ gal	0.952500					
23120				Application)	Application : Air Dried - Repair / Touch Up		0	9	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	со	РМ	Permit Equipment Description
ES96		618472	P1	Miscellaneous Operations and Services : POTW :	61.02000		EF	lbs/ MMgal/day	219.000000						
2000		010472	• •	Government : Entire Plant	0	ay	Emissions	lbs	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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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



Reporting Year: 2021

Facility Id: 29110 Print Date: 03/14/2022

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



Reporting Year:

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03/14/2022

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Print Date:

Facility Name ORANGE COUNTY SANITATION DISTRICT
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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 No

AB2588 Filing Period:

RECLAIM: No

Facility Operating Status: Operating

Classified As Small Business: Νo

Business Operating Hours

24 Hours/Day; Days/Week: 7 Weeks/Year: 52

Equipment Location Address

Mailing Information

Facility Name:

Title:

Title:

ORANGE COUNTY SANITATION DISTRICT

22212 BROOKHURST ST

HUNTINGTON BEACH, CA 92646 8457

Facility Name:

Brief Description of Operation

ORANGE COUNTY SANITATION DISTRICT

10844 Ellis Avenue

Fountain Valley, CA 92708

Contact Information

Name: Randa Abushaban

Senior Regulatory Specialist

E-mail: rabushaban@ocsan.gov Phone: 714 593-7413 Ext. 7413

Fax:

Preparer Information

Name: Randa Abushaban

Senior Regulatory Specialist

Phone: Fax:

714 593-7413 Ext. 7413

E-mail: rabushaban@ocsan.gov

Authorized Person Information

Name: Randa Abushaban

Phone: Fax:

714 593-7413 Ext. 7413

Title: Senior Regulatory Specialist

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

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

^{*} To avoid late payment surcharges, all mails must be postmarked by the Post Office on or before March 17, 2022