

South Coast

Annual Emission Report

AQMD Reporting Year: 2022

Facility Id: 17301 Print Date: 04/27/2023

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



Reporting Year: 2022

Print Date: 04/27/2023

Facility Id: **17301**

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	PM
ES106		494460	P1	Boiler 10-100	Digester Gas	3.750000	mmscf	EF	lbs/ mmscf	2.476000		6.809000	0.130000	0.004000	1.238000
20100		10 1 100		MMBTU/HR	(Biogas)	0.700000	THI TOO!	Emissions	lbs	9.29		25.53	0.49	0.02	4.64
ES106		494460	P2	Boiler 10-100	Natural	0.020000	mmsef	EF	lbs/ mmscf	5.500000		8.940000	0.600000	4.950000	7.600000
20100		434400	12	MMBTU/HR	Gas	0.020000	IIIIIISOI	Emissions	lbs	0.11		0.18	0.01	0.10	0.15
ES108		429662	P1	Flare	Digester Gas	2.300000	mmaaf	EF	lbs/ mmscf	7.200000		35.600000	0.008000	32.800000	3.900000
E3106		429002	гі	riale	(Biogas)	2.300000	IIIIISCI	Emissions	lbs	16.56		81.88	0.02	75.44	8.97
ES117			D1	Boiler <10	Natural	26.83000	mmscf	EF	lbs/ mmscf	5.500000		100.000000	0.600000	84.000000	7.600000
L3117	P1 MMBTU/HR Gas 25.65000	Hillisti	Emissions	lbs	147.57		2,683.00	16.10	2,253.72	203.91					

Total Emissions	lbs	173.52		2,790.59	16.62	2,329.27	217.67
Total Emissions	tons	0.09	0.00	1.40	0.01	1.16	0.11



2022 Reporting Year:

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AQMD

17301 Facility Id:

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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
F005		F.40000	D4	Stationary I.C. Engines, 4	Digester	149.6800		EF	lbs/ mmscf	3.920000		19.600000	0.010000	9.000000	2.310000
ES95		546360	P1	Stroke-Lean Burn, with Catalyst	Gas (Biogas)	00	mmscf	Emissions	lbs	586.75		2,933.73	1.50	1,347.12	345.76
				Stationary I.C. Engines, 4	Natural			EF	lbs/ mmscf	9.490000		24.200000	0.600000	44.300000	3.610000
ES95		546360	P2	Stroke-Lean Burn, with Catalyst	Gas	8.120000	mmscf	Emissions	lbs	77.06		196.50	4.87	359.72	29.31
				Stationary I.C. Engines, 4	Digester	235.7300		EF	lbs/ mmscf	12.410000		20.200000	1.190000	31.300000	1.350000
ES96		546361	P1	Stroke-Lean Burn, with Catalyst	Gas (Biogas)	00	mmscf	Emissions	lbs	2,925.41		4,761.75	280.52	7,378.35	318.24
				Stationary I.C. Engines, 4	Natural	10.24000		EF	lbs/ mmscf	9.490000		24.200000	0.600000	44.300000	3.610000
ES96		546361	P2	Stroke-Lean Burn, with Catalyst	Gas	0		Emissions	lbs	97.18		247.81	6.14	453.63	36.97
				Stationary I.C. Engines, 4	Digester	314.6200		EF	lbs/ mmscf	16.400000		10.100000	0.180000	33.300000	2.340000
ES97		546362	P1	Stroke-Lean Burn, with Catalyst	Gas (Biogas)	00	mmscf	Emissions	lbs	5,159.77		3,177.66	56.63	10,476.85	736.21
				Stationary I.C. Engines, 4	Natural	14.93000		EF	lbs/ mmscf	9.490000		24.200000	0.600000	44.300000	3.610000
ES97		546362	P2	Stroke-Lean Burn, with Catalyst	Gas	0		Emissions	lbs	141.69		361.31	8.96	661.40	53.90
ES98		133995	P1	Stationary I.C. Engines, 4	Distillate Fuel Oil	0.635000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
2550		100000		Stroke-Lean Burn	No. 2 (Diesel)	3.333000	ivi gai	Emissions	lbs	23.81		297.82	0.13	64.77	21.27

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	со	PM
ES99		133994	P1	Stationary I.C. Engines, 4	Distillate Fuel Oil No. 2	0.325000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Stroke-Lean Burn	(Diesel)			Emissions	lbs	12.19		152.43	0.07	33.15	10.89
ES100		134619	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	0.320000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	12.00		150.08	0.07	32.64	10.72
ES101		135464	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	0.805000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	30.19		377.55	0.17	82.11	26.97
ES102		428945	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	0.990000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	37.13		464.31	0.21	100.98	33.17
ES103		408166	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil No. 2	1.210000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Burn	(Diesel)			Emissions	lbs	45.38		567.49	0.25	123.42	40.54
ES104		06049A	P1	Turbines	Distillate Fuel Oil	0.640000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	3.350000
					No. 2 (Diesel)			Emissions	lbs	24.00		300.16	0.13	65.28	2.14
ES105		06050A	P1	Turbines	Distillate Fuel Oil No. 2	0.685000	M gal	EF	lbs/ M gal	35.700000		469.000000	0.210000	102.000000	33.500000
					(Diesel)			Emissions	lbs	24.45		321.27	0.14	69.87	22.95
ES114		619284	P1	Stationary I.C. Engines, 4 Stroke-Lean	Distillate Fuel Oil	0.006000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
20114		019204		Burn, with Catalyst	No. 2 (Diesel)	0.000000	ivi gai	Emissions	lbs	0.23		2.81	0.00	0.61	0.20
				Stationary I.C. Engines, 4	Distillate Fuel Oil			EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
ES115		619285	P1	Stroke-Lean Burn, with Catalyst	No. 2 (Diesel)	0.013500	M gal	Emissions	lbs	0.51		6.33	0.00	1.38	0.45
				Stationary I.C. Engines, 4	Distillate Fuel Oil			EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
ES116		619286	P1	Stroke-Lean Burn, with Catalyst	No. 2 (Diesel)	0.010500	M gal	Emissions	lbs	0.39		4.92	0.00	1.07	0.35
ES118			P1	Portable I.C. Engines, 4	Distillate Fuel Oil	1.301000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
				Stroke-Lean Burn	No. 2 (Diesel)		3	Emissions	lbs	48.79		610.17	0.27	132.70	43.58

Total Emissions	lbs	9,246.90		14,934.08	360.08	21,385.04	1,733.61
Total Emissions	tons	4.62	0.00	7.47	0.18	10.69	0.87



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Spray Coating/Spray Booth 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	PM	
ES88		13973X	D 1	Spray Booth	Coating : Coating of Metal Parts and Products : HVLP	Misc.	15.18000	15.18000 g	nal	EF	lbs/ gal	1.840000					1.050000
2000		100707	P1 :	Opray Bootin	Application : Air Dried - Repair / Touch Up	Wilde.	0	gui	Emissions	lbs	27.93					1.59	

Total Emissions	lbs	27.93					1.59
Total Emissions	tons	0.01	0.00	0.00	0.00	0.00	0.00



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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	PM
ES94			P1	Coating (Flow / Dip / Roll / Hand	Coating : Coating of Metal Parts and Products : Hand	Enamel Application	38.69000	gal	EF	lbs/ gal	0.646000					
				Application)	Application : Air Dried - Repair / Touch Up		0	0 gai		lbs	24.99					
ES94			P2	Coating (Flow / Dip / Roll / Hand	Coating : Coating of Metal Parts and Products : Hand	Structure components	27.00000	7.00000 0 gal		lbs/ gal	0.337000					
E394			F2	Application)	Application : Air Dried - Repair / Touch Up	Structure components	0	yaı	Emissions	lbs	9.10					

Total Emissions	lbs	34.09					
Total Emissions	tons	0.02	0.00	0.00	0.00	0.00	0.00



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Storage Tanks Process List Overview

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Product	Throughput	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	со	РМ
ES91			P1	Storage tank and	Distillate fuel oil no.	1.500000	M nal	EF	lbs/ M gal	0.028000					
2001				Dispensing	2	1.500000	ivi gai	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	Permit Device ID	A/N	Process ID	Activity	Throughput	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	СО	РМ	Permit Equipment Description	
ES89		568969	P1	Abrasive Blasting/Finishing : Metal Part : Abrasive	23.90000	23.90000	hour	EF	lbs/ hour						0.042000	
2000		000000		Blasting : Other Material	0	iloui	Emissions	lbs						1.00		
ES90		615959	P1	Miscellaneous Operations and Services : POTW :				EF	lbs/ MMgal/day	240.000000						
2000		010000		Government : Entire Plant	118.8800 MMgal/d 00 ay		Emissions	lbs	28,531.20							

Total Emi	ssions It	os 28,531.2	0				1.00	
Total Emi	ssions to	ns 14.2	7 0.00	0.00	0.00	0.00	0.00	



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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	0.09	0.00	1.40	0.00	0.01	0.00	1.16	0.11
Internal Combustion	4.60	0.00	7.16	0.00	0.18	0.00	10.63	0.85
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	14.27	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	18.97	0.00	8.56	0.00	0.19	0.00	11.79	0.96



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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
Total Non-Permitted Emissions	0.02	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



Reporting Year: 2022

Facility Id: 17301 Print Date: 04/27/2023

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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Facility Id: 17301

Print Date:

04/27/2023

Facility Name ORANGE COUNTY SANITATION DISTRICT

Facility Type: WasteWater Treatment - Municipal

Total Emissions and Fees

Submittal Date:	Total Permitted	Total Non-	Total RECLAIM		Total Emissions/				
No later than May 11 2023	Emissions (tons)	Permitted Emissions (tons)	Emissions (tons)	Total Emission (tons)	Subject To Fee (tons)	Emissions Fees Due			
Organic Gasses	18.97	0.02		19.01	19.00	\$11,526.88			
Specific Organics	0.00	0.00		0.00	0.00	\$0.00			
Nitrogen Oxides	8.56	0.00	0.00	8.87	9.00	\$2,528.82			
Sulfur Oxides	0.19	0.00	0.00	0.19	0.00	\$0.00			
Carbon Monoxide	11.79	0.00		11.86	0.00	\$0.00			
Particulate Matter	0.96	0.00		0.98	0.00	\$0.00			
. TOTAL EMISSION	FEES FOR ALL CRIT	ERIA POLLUTAN	TS			\$14,055.70			
2. TOXIC AIR CONTA	MINANTS/ OZONE D	EPLETER FEES	(Total amount from	Form TACS or DC)		\$9,180.34			
		TAC Fees B	reakdown						
Facility Flat Fee:					\$78.03				
CPWE Emission Fees: \$3410.00									
Ammonia & Depleting Compounds (ODC) Fees: \$563.96									
Per Device Fees (total devices with fees 15): \$5128.35									
					\$9180.34				

3. TOTAL FEES DUE	\$23,236.04
4. INSTALLMENTS PAID FOR 2022 - (if any) All Criteria Pollutants	\$4,990.62
5. INSTALLMENTS PAID FOR 2022 - (if any) Toxic Air Contaminants/Ozone Depleters	\$4,447.89
6. BALANCE DUE (Line 3 - Line 4 - Line 5)	\$13,797.53
7. LATE PAYMENT SURCHARGE	\$0.00
8. AMOUNT DUE	\$13,797.53



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Electronic Certification Sheet

Information

221320 NAICS code:

AB2588 Filing Period: No **Brief Description of Operation**

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

Facility Name: Facility Name:

ORANGE COUNTY SANITATION DISTRICT ORANGE COUNTY SANITATION DISTRICT

Mailing Information

10844 ELLIS AVE 10844 ELLIS AVE

FOUNTAIN VALLEY, CA 92708 7018 FOUNTAIN VALLEY, CA 92708 7018

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Preparer Information

Phone: Name: Randa AbuShaban 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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AER Submittal Confirmation

Thank you for submitting your Annual Emissions Report for Facility ID: 17301.

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. 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

^{*} To avoid late payment surcharges, all mails must be postmarked by the Post Office on or before May 01, 2023