



South Coast

AQMD

Annual Emission Report

Reporting Year: **2022**

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

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



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Facility Name **ORANGE COUNTY SANITATION DISTRICT**

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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
ES106		494460	P1	Boiler 10-100 MMBTU/HR	Digester Gas (Biogas)	3.750000	mmscf	EF	lbs/ mmscf	2.476000		6.809000	0.130000	0.004000	1.238000
								Emissions	lbs	9.29		25.53	0.49	0.02	4.64
ES106		494460	P2	Boiler 10-100 MMBTU/HR	Natural Gas	0.020000	mmscf	EF	lbs/ mmscf	5.500000		8.940000	0.600000	4.950000	7.600000
								Emissions	lbs	0.11		0.18	0.01	0.10	0.15
ES108		429662	P1	Flare	Digester Gas (Biogas)	2.300000	mmscf	EF	lbs/ mmscf	7.200000		35.600000	0.008000	32.800000	3.900000
								Emissions	lbs	16.56		81.88	0.02	75.44	8.97
ES117			P1	Boiler <10 MMBTU/HR	Natural Gas	26.830000	mmscf	EF	lbs/ mmscf	5.500000		100.000000	0.600000	84.000000	7.600000
								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



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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
ES95		546360	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	149.680000	mmscf	EF	lbs/ mmscf	3.920000		19.600000	0.010000	9.000000	2.310000
								Emissions	lbs	586.75		2,933.73	1.50	1,347.12	345.76
ES95		546360	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	8.120000	mmscf	EF	lbs/ mmscf	9.490000		24.200000	0.600000	44.300000	3.610000
								Emissions	lbs	77.06		196.50	4.87	359.72	29.31
ES96		546361	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	235.730000	mmscf	EF	lbs/ mmscf	12.410000		20.200000	1.190000	31.300000	1.350000
								Emissions	lbs	2,925.41		4,761.75	280.52	7,378.35	318.24
ES96		546361	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	10.240000	mmscf	EF	lbs/ mmscf	9.490000		24.200000	0.600000	44.300000	3.610000
								Emissions	lbs	97.18		247.81	6.14	453.63	36.97
ES97		546362	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	314.620000	mmscf	EF	lbs/ mmscf	16.400000		10.100000	0.180000	33.300000	2.340000
								Emissions	lbs	5,159.77		3,177.66	56.63	10,476.85	736.21
ES97		546362	P2	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	14.930000	mmscf	EF	lbs/ mmscf	9.490000		24.200000	0.600000	44.300000	3.610000
								Emissions	lbs	141.69		361.31	8.96	661.40	53.90
ES98		133995	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

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

Facility Type: WasteWater Treatment - Municipal

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	CO	PM
ES88		13973X	P1	Spray Booth	Coating : Coating of Metal Parts and Products : HVLP Application : Air Dried - Repair / Touch Up	Misc.	15.180000	gal	EF	lbs/ gal	1.840000					1.050000
									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	CO	PM
ES94			P1	Coating (Flow / Dip / Roll / Hand Application)	Coating : Coating of Metal Parts and Products : Hand Application : Air Dried - Repair / Touch Up	Enamel Application	38.690000	gal	EF	lbs/ gal	0.646000					
									Emissions	lbs	24.99					
ES94			P2	Coating (Flow / Dip / Roll / Hand Application)	Coating : Coating of Metal Parts and Products : Hand Application : Air Dried - Repair / Touch Up	Structure components	27.000000	gal	EF	lbs/ gal	0.337000					
									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	CO	PM
ES91			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	Permit Device ID	A/N	Process ID	Activity	Throughput	Units	Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM	Permit Equipment Description
ES89		568969	P1	Abrasive Blasting/Finishing : Metal Part : Abrasive Blasting : Other Material	23.900000	hour	EF	lbs/ hour					0.042000	
							Emissions	lbs					1.00	
ES90		615959	P1	Miscellaneous Operations and Services : POTW : Government : Entire Plant	118.880000	MMgal/day	EF	lbs/ MMgal/day	240.000000					
							Emissions	lbs	28,531.20					

Total Emissions	lbs	28,531.20					1.00	
Total Emissions	tons	14.27	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



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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 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	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
1. TOTAL EMISSION FEES FOR ALL CRITERIA POLLUTANTS						\$14,055.70
2. TOXIC AIR CONTAMINANTS/ OZONE DEPLETER FEES (Total amount from Form TACS or DC)						\$9,180.34
TAC Fees Breakdown						
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

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
10844 ELLIS AVE
FOUNTAIN VALLEY, CA 92708 7018

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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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

* 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