



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

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



South Coast

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# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

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	CO	PM
ES87		494460	P1	Boiler 10-100 MMBTU/HR	Natural Gas	0.010000	mmscf	EF lbs/ mmscf	5.500000		8.940000	0.600000	4.950000	7.600000
								Emissions lbs	0.06		0.09	0.01	0.05	0.08
ES106		494460	P1	Boiler 10-100 MMBTU/HR	Digester Gas (Biogas)	14.810000	mmscf	EF lbs/ mmscf	5.900000		5.840000	3.450000	5.610000	3.190000
								Emissions lbs	87.38		86.49	51.09	83.08	47.24
ES108		429662	P1	Flare	Digester Gas (Biogas)	2.600000	mmscf	EF lbs/ mmscf	7.200000		35.600000	0.008000	32.800000	3.900000
								Emissions lbs	18.72		92.56	0.02	85.28	10.14

Total Emissions	lbs	106.15		179.14	51.12	168.41	57.46
Total Emissions	tons	0.05	0.00	0.09	0.03	0.08	0.03



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**03/16/2020**

Facility Id: **17301**

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
ES95	546360	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	133.730000	mmscf	EF	lbs/ mmscf	1.820000		5.640000	0.010000	1.100000	0.570000
							Emissions	lbs	243.39		754.24	1.34	147.10	76.23
ES96	546361	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	272.430000	mmscf	EF	lbs/ mmscf	2.360000		4.960000	0.012000	20.330000	0.430000
							Emissions	lbs	642.94		1,351.25	3.27	5,538.50	117.15
ES97	546362	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	285.730000	mmscf	EF	lbs/ mmscf	0.827000		13.130000	0.012000	18.730000	3.000000
							Emissions	lbs	236.30		3,751.63	3.43	5,351.72	857.19
ES98	133995	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.295000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	11.06		138.36	0.06	30.09	9.88
ES99	133994	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.450000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	16.88		211.05	0.09	45.90	15.08
ES100	134619	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.480000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	18.00		225.12	0.10	48.96	16.08
ES101	135464	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.585000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	21.94		274.37	0.12	59.67	19.60
ES102	428945	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.250000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	9.38		117.25	0.05	25.50	8.38

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES103		408166	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.150000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
								Emissions	lbs	5.63		70.35	0.03	15.30	5.03
ES104		06049A	P1	Turbines	Distillate Fuel Oil No. 2 (Diesel)	3.590000	M gal	EF	lbs/ M gal	37.500000		469.000000	0.210000	102.000000	33.500000
								Emissions	lbs	134.63		1,683.71	0.75	366.18	120.27
ES105		06050A	P1	Turbines	Distillate Fuel Oil No. 2 (Diesel)	0.000000	M gal	EF	lbs/ M gal	35.700000		469.000000	0.210000	102.000000	33.500000
								Emissions	lbs	0.00		0.00	0.00	0.00	0.00
ES111		546360	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	7.500000	mmscf	EF	lbs/ mmscf	1.530000		22.610000	0.600000	31.420000	1.023000
								Emissions	lbs	11.48		169.58	4.50	235.65	7.67
ES112		546361	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	13.080000	mmscf	EF	lbs/ mmscf	1.530000		22.610000	0.600000	31.420000	1.023000
								Emissions	lbs	20.01		295.74	7.85	410.97	13.38
ES113		546362	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	14.420000	mmscf	EF	lbs/ mmscf	1.530000		22.610000	0.600000	31.420000	1.023000
								Emissions	lbs	22.06		326.04	8.65	453.08	14.75

Total Emissions	lbs	1,393.67		9,368.67	30.25	12,728.62	1,280.67
Total Emissions	tons	0.70	0.00	4.68	0.02	6.36	0.64



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# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

Facility Id: **17301**  
 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.	23.50000	gal	EF	lbs/ gal	1.200000					1.050000
									Emissions	lbs	28.20					2.47

Total Emissions	lbs	28.20					2.47
Total Emissions	tons	0.01	0.00	0.00	0.00	0.00	0.00



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# Annual Emission Report

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Facility Name **ORANGE COUNTY SANITATION DISTRICT**

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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
ES93			P1	Other evaporative sources	Others : Adhesive and Sealant Applications : Hand Application : Multipurpose Construction Adhesives	Blue Glue	0.130000	gal	EF	lbs/ gal	4.300000					
									Emissions	lbs	0.56					
ES94			P1	Coating (Flow / Dip / Roll / Hand Application)	Coating : Coating of Metal Parts and Products : Hand Application : Air Dried - Repair / Touch Up	Enamel Application	22.250000	gal	EF	lbs/ gal	2.840000					
									Emissions	lbs	63.19					

Total Emissions	lbs	63.75					
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
ES89		568969	P1	Abrasive Blasting/Finishing : Metal Part : Abrasive Blasting : Other Material	45.600000	hour	EF	lbs/ hour					0.042000	
							Emissions	lbs					1.92	
ES90		520794	P1	Miscellaneous Operations and Services : POTW : Government : Entire Plant	119.100000	MMgal/day	EF	lbs/ MMgal/day	240.000000					
							Emissions	lbs	28,584.00					

Total Emissions	lbs	28,584.00					1.92	
Total Emissions	tons	14.29	0.00	0.00	0.00	0.00	0.00	



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Facility Type: **WasteWater Treatment - Municipal**

## 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	0.05	0.00	0.09	0.00	0.03	0.00	0.08	0.03
Internal Combustion	0.70	0.00	4.68	0.00	0.02	0.00	6.36	0.64
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	14.29	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>15.05</b>	<b>0.00</b>	<b>4.77</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>6.44</b>	<b>0.67</b>





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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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# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

Facility Id: **17301**

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



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2019**

Facility Id: **17301**

Print Date: **03/16/2020**

Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## Total Emissions and Fees

Submittal Date: No later than March 24 2020	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	15.05	0.03		15.08	15.00	\$7,764.60
Specific Organics	0.00	0.00		0.00	0.00	\$0.00
Nitrogen Oxides	4.77	0.00	0.00	4.77	5.00	\$757.10
Sulfur Oxides	0.05	0.00	0.00	0.05	0.00	\$0.00
Carbon Monoxide	6.44	0.00		6.44	0.00	\$0.00
Particulate Matter	0.67	0.00		0.67	0.00	\$0.00
1. TOTAL EMISSION FEES FOR ALL CRITERIA POLLUTANTS						\$8,521.70
2. TOXIC AIR CONTAMINANTS/ OZONE DEPLETER FEES (Total amount from Form TACS or DC)						\$4,265.23
<b>TAC Fees Breakdown</b>						
Facility Flat Fee:						\$78.03
CPWE Emission Fees:						\$1375.00
Ammonia & Depleting Compounds (ODC) Fees:						\$418.90
Per Device Fees (total devices with fees 14):						\$2393.30
						\$4265.23
3. TOTAL FEES DUE						\$12,786.93
4. INSTALLMENTS PAID FOR 2019 - (if any) -- All Criteria Pollutants						\$5,290.57
5. INSTALLMENTS PAID FOR 2019 - (if any) -- Toxic Air Contaminants/Ozone Depleters						\$1,166.46
6. BALANCE DUE (Line 3 - Line 4 - Line 5)						\$6,329.90
7. LATE PAYMENT SURCHARGE						\$0.00
<b>8. AMOUNT DUE</b>						<b>\$6,329.90</b>



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Facility Id: **17301**  
Facility Name **ORANGE COUNTY SANITATION DISTRICT**  
Facility Type: **WasteWater Treatment - Municipal**

## Electronic Certification Sheet

### Information

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NAICS code: 221320 AB2588 Receptor Distance  
AB2588 Filing Period: Yes Worker (ft): 682  
RECLAIM: No Residential(ft): 1332  
Facility Operating Status: Operating  
Classified As Small Business: No Brief Description of Operation  
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  
10844 ELLIS AVE  
FOUNTAIN VALLEY, CA 92708 7018

### Mailing Information

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Facility Name:  
ORANGE COUNTY SANITATION DISTRICT  
10844 ELLIS AVE  
FOUNTAIN VALLEY, CA 92708 7018

### Contact Information

---

Name: Randa AbuShaban Phone: 714 856-3424  
Title: Regulatory Specialist Fax:  
E-mail: rabushaban@ocsd.com

### Preparer Information

---

Name: Randa AbuShaban Phone: 714 856-3424  
Title: Regulatory Specialist Fax:  
E-mail: rabushaban@ocsd.com

### Authorized Person Information

---

Name: Randa AbuShaban Phone: 714 856-3424  
Title: Regulatory Specialist Fax:  
E-mail: rabushaban@ocsd.com

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.\*



South Coast

**AQMD**

# Annual Emission Report

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Facility Id: **17301**

Print Date: **03/16/2020**

Facility Name: **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## AER Submittal Confirmation

Thank you for submitting your Annual Emissions Report for Facility ID: 17301 on 3/13/2020 5:24:16 PM.

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 24, 2020

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 24, 2020  
Please note that AQMD is closed on Mondays.

South Coast Air Quality Management District  
ATTN: Finance Cashier  
Annual Emission Reporting Program  
21865 Copley Drive  
Diamond Bar, CA 91765-4178



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

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



South Coast

**AQMD**

# Annual Emission Report

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**2019**

Print Date:

**03/16/2020**

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)	14.200000	mmscf	EF lbs/ mmscf	3.870000		8.020000	3.590000	18.800000	2.690000
								Emissions lbs	54.95		113.88	50.98	266.96	38.20
ES108		545005	P1	Boiler 10-100 MMBTU/HR	Digester Gas (Biogas)	0.500000	mmscf	EF lbs/ mmscf	6.930000		12.610000	3.230000	26.410000	3.050000
								Emissions lbs	3.47		6.31	1.62	13.21	1.53
ES109		545004	P1	Boiler 10-100 MMBTU/HR	Natural Gas	0.700000	mmscf	EF lbs/ mmscf	5.500000		10.510000	0.600000	5.150000	7.600000
								Emissions lbs	3.85		7.36	0.42	3.61	5.32
ES110		545005	P1	Boiler 10-100 MMBTU/HR	Natural Gas	0.060000	mmscf	EF lbs/ mmscf	5.500000		10.510000	0.600000	5.150000	7.600000
								Emissions lbs	0.33		0.63	0.04	0.31	0.46
ES111		429663	P1	Flare	Digester Gas (Biogas)	3.060000	mmscf	EF lbs/ mmscf	1.700000		25.800000	0.008000	50.100000	7.500000
								Emissions lbs	5.20		78.95	0.02	153.31	22.95

Total Emissions	lbs	67.80		207.12	53.07	437.39	68.45
Total Emissions	tons	0.03	0.00	0.10	0.03	0.22	0.03



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# Annual Emission Report

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Facility Id: **29110**

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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	546364	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	187.540000	mmscf	EF lbs/ mmscf	1.290000			12.010000	0.013000	12.620000	13.860000
							Emissions lbs	241.93		2,252.36	2.44	2,366.75	2,599.30	
ES98	546365	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	257.540000	mmscf	EF lbs/ mmscf	1.870000			12.740000	0.280000	29.200000	0.690000
							Emissions lbs	481.60		3,281.06	72.11	7,520.17	177.70	
ES99	546366	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	1.820000	mmscf	EF lbs/ mmscf	7.890000			10.800000	0.018000	5.090000	0.760000
							Emissions lbs	14.36		19.66	0.03	9.26	1.38	
ES100	546367	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	220.830000	mmscf	EF lbs/ mmscf	0.990000			18.580000	0.012000	19.380000	3.420000
							Emissions lbs	218.62		4,103.02	2.65	4,279.69	755.24	
ES101	546368	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Digester Gas (Biogas)	15.260000	mmscf	EF lbs/ mmscf	1.050000			10.530000	0.010000	14.720000	1.970000
							Emissions lbs	16.02		160.69	0.15	224.63	30.06	
ES102	546364	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	9.600000	mmscf	EF lbs/ mmscf	1.450000			18.030000	0.600000	14.720000	1.970000
							Emissions lbs	13.92		173.09	5.76	141.31	18.91	
ES103	546365	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	21.420000	mmscf	EF lbs/ mmscf	1.450000			18.030000	0.600000	14.720000	1.970000
							Emissions lbs	31.06		386.20	12.85	315.30	42.20	

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units		Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
ES104	546366	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	0.200000	mmscf	EF	lbs/ mmscf	1.450000			18.030000	0.600000	14.720000	1.970000
							Emissions	lbs	0.29		3.61	0.12	2.94	0.39	
ES105	546367	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	7.140000	mmscf	EF	lbs/ mmscf	1.450000			18.030000	0.600000	14.720000	1.970000
							Emissions	lbs	10.35		128.73	4.28	105.10	14.07	
ES106	546368	P1	Stationary I.C. Engines, 4 Stroke-Lean Burn, with Catalyst	Natural Gas	15.260000	mmscf	EF	lbs/ mmscf	1.450000			18.030000	0.600000	14.720000	1.970000
							Emissions	lbs	22.13		275.14	9.16	224.63	30.06	
ES112	474770	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.780000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	66.75		834.82	0.37	181.56	59.63	
ES113	474769	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn, with Catalyst	Distillate Fuel Oil No. 2 (Diesel)	1.515000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	56.81		710.54	0.32	154.53	50.75	
ES114	474768	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.595000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	22.31		279.06	0.12	60.69	19.93	
ES115	474767	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.825000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	68.44		855.93	0.38	186.15	61.14	
ES116	474766	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.705000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	63.94		799.65	0.36	173.91	57.12	
ES117	455673	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.620000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	23.25		290.78	0.13	63.24	20.77	
ES119	455670	P1	Stationary I.C. Engines, 2 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	
ES120	424369	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	1.140000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	42.75		534.66	0.24	116.28	38.19	
ES125	455671	P1	Stationary I.C. Engines, 2 Stroke-Lean Burn	Distillate Fuel Oil No. 2 (Diesel)	0.860000	M gal	EF	lbs/ M gal	37.500000			469.000000	0.210000	102.000000	33.500000
							Emissions	lbs	32.25		403.34	0.18	87.72	28.81	

AER Device ID	Permit Device ID	A/N	Process ID	Equipment	Fuel	Fuel Usage	Units	Criteria Pollutant Units	ROG	SPOG	NOx	SOx	CO	PM
						Total Emissions		lbs	1,457.34		15,874.55	111.84	16,297.00	4,032.96
						Total Emissions		tons	0.73	0.00	7.94	0.06	8.15	2.02



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

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	3.000000	gal	EF	lbs/ gal	0.080000				
									Emissions	lbs	0.24				
ES127			P1	Coating (Flow / Dip / Roll / Hand Application)	Coating : Coating of Metal Parts and Products : Hand Application : Air Dried - Repair / Touch Up	ENAMEL/ EPOXY	43.000000	gal	EF	lbs/ gal	2.840000				
									Emissions	lbs	122.12				
ES128			P1	Coating (Flow / Dip / Roll / Hand Application)	Coating : Coating of Metal Parts and Products : Hand Application : Air Dried - Repair / Touch Up	Primer	14.600000	gal	EF	lbs/ gal	0.920000				
									Emissions	lbs	13.43				

Total Emissions	lbs	135.79					
Total Emissions	tons	0.07	0.00	0.00	0.00	0.00	0.00



South Coast

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# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

Facility Id: **29110**  
 Facility Name: **ORANGE COUNTY SANITATION DISTRICT**  
 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		453240	P1	Miscellaneous Operations and Services : POTW : Government : Entire Plant	73.340000	MMgal/day	EF	219.000000						
							Emissions	16,061.50						

Total Emissions	lbs	16,061.50					
Total Emissions	tons	8.03	0.00	0.00	0.00	0.00	0.00



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

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

## 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	0.03	0.00	0.10	0.00	0.03	0.00	0.22	0.03
Internal Combustion	0.73	0.00	7.94	0.00	0.06	0.00	8.15	2.02
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	8.03	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>8.79</b>	<b>0.00</b>	<b>8.04</b>	<b>0.00</b>	<b>0.09</b>	<b>0.00</b>	<b>8.37</b>	<b>2.05</b>





South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

Facility Id: **29110**

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



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

Facility Id: **29110**

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



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2019**

Facility Id: **29110**

Print Date: **03/16/2020**

Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## Total Emissions and Fees

Submittal Date: No later than March 24 2020	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	8.79	0.07		8.86	9.00	\$3,882.30
Specific Organics	0.00	0.00		0.00	0.00	\$0.00
Nitrogen Oxides	8.04	0.00	0.00	8.04	8.00	\$1,892.75
Sulfur Oxides	0.09	0.00	0.00	0.09	0.00	\$0.00
Carbon Monoxide	8.37	0.00		8.37	0.00	\$0.00
Particulate Matter	2.05	0.00		2.05	0.00	\$0.00
1. TOTAL EMISSION FEES FOR ALL CRITERIA POLLUTANTS						\$5,775.05
2. TOXIC AIR CONTAMINANTS/ OZONE DEPLETER FEES (Total amount from Form TACS or DC)						\$6,736.12
<b>TAC Fees Breakdown</b>						
Facility Flat Fee:						\$78.03
CPWE Emission Fees:						\$3040.00
Ammonia & Depleting Compounds (ODC) Fees:						\$370.04
Per Device Fees (total devices with fees 19):						\$3248.05
						\$6736.12
3. TOTAL FEES DUE						\$12,511.17
4. INSTALLMENTS PAID FOR 2019 - (if any) -- All Criteria Pollutants						\$0.00
5. INSTALLMENTS PAID FOR 2019 - (if any) -- Toxic Air Contaminants/Ozone Depleters						\$0.00
6. BALANCE DUE (Line 3 - Line 4 - Line 5)						\$12,511.17
7. LATE PAYMENT SURCHARGE						\$0.00
<b>8. AMOUNT DUE</b>						<b>\$12,511.17</b>



South Coast

AQMD

# Annual Emission Report

Reporting Year: **2019**

Print Date: **03/16/2020**

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

## Electronic Certification Sheet

### Information

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NAICS code: 221320 AB2588 Receptor Distance  
AB2588 Filing Period: Yes Worker (ft): 1100  
RECLAIM: No Residential(ft): 810  
Facility Operating Status: Operating  
Classified As Small Business: No Brief Description of Operation  
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: Regulatory Specialist Fax:  
E-mail: rabushaban@ocsd.com

### Preparer Information

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Name: Randa Abushaban Phone: 714 593-7413 Ext. 7413  
Title: Regulatory Specialist Fax:  
E-mail: rabushaban@ocsd.com

### Authorized Person Information

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Name: Randa Abushaban Phone: 714 593-7413 Ext. 7413  
Title: Regulatory Specialist Fax:  
E-mail: rabushaban@ocsd.com

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.\*



South Coast

**AQMD**

# Annual Emission Report

Reporting Year: **2019**

Facility Id: **29110**

Print Date: **03/16/2020**

Facility Name **ORANGE COUNTY SANITATION DISTRICT**

Facility Type: **WasteWater Treatment - Municipal**

## AER Submittal Confirmation

Thank you for submitting your Annual Emissions Report for Facility ID: 29110 on 3/13/2020 5:29:04 PM.

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 24, 2020

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 24, 2020  
Please note that AQMD is closed on Mondays.

South Coast Air Quality Management District  
ATTN: Finance Cashier  
Annual Emission Reporting Program  
21865 Copley Drive  
Diamond Bar, CA 91765-4178