



GOLETA SANITARY

Water Resource Recovery District

Board of Directors:

February 27, 2025

Jerry D. Smith

President

Steven T. Majoewsky

Santa Barbara County APCD

ATTN: Annual Reports

Dean Nevins, PhD.

260 N. San Antonio Road, Suite A
Santa Barbara, California 93110-1315

Jonathan Frye

Edward Fuller

Subject: Goleta Sanitary District 2024 Annual Report

Steve D. Wagner, PE
General Manager

Facility ID# 01528, 11309 and 11652

Dear Sir or Madam,

In accordance with PTO# 08561-R11, 13447-R4 and 15229-R1, attached is the Goleta Sanitary District's 2024 Consolidated Annual Report. If there are any questions, please contact Ms. Lena Cox at (805)-967-4519.

Sincerely,

Steve D. Wagner, PE
General Manager/District Engineer

Goleta Sanitary District

Air Pollution Control Consolidated Annual 2024 Report

Facility ID # 01528

PTO #08561-R10 & PTO #08561-R11

And

Facility ID # 11309

PTO # 13447-R4

And

Facility ID # 11652

PTO #15229-R1

County of Santa Barbara Air Pollution Control District

Submitted by: Steve D. Wagner, PE

General Manager/District Engineer

Summary

The following information summarizes the compliance and reporting measures taken by Goleta Sanitary District (GSD) for calendar year 2024. GSD operates the regional water resource recovery facility located at One William Moffett Place in Goleta, CA. The corresponding facility ID #01528 was using PTO #08561-R10 & PTO #08561-R11 during 2024. In addition, GSD received a Transfer of Owner/Operator Authorization for facility ID #11652 using PTO #15229-R1 in January 2024. GSD also operates an offsite wastewater pumping station located at 101 John Donaldson in Santa Barbara, CA. The corresponding facility ID #11309 was using PTO #13447-R4. During the calendar year of 2024 Goleta Sanitary District met the majority of conditions in the previously mentioned permits.

Digester Gas System

In compliance with PTO #08561-R10 & PTO #08561-R11, GSD monitored its anaerobic digestion system, and all related appurtenances making daily checks ensuring that there were no leaks or equipment malfunctions. The sulfur content of the digester gas was monitored daily between the hours of 4-11 a.m. using colorimetric gas tubes with the exception of one day on June 12th. The hydrogen sulfide content exceeded the maximum of 239 ppm twice during 2024. On July 28th the reading was 280 ppm and July 29th the reading was 280 ppm. The annual average was 79 ppm. Attached is the list of daily readings and the time in which they were taken. The moving weekly average and annual averages are also included in the table located in the attachments. The digester gas Heating Value Measurement was taken in accordance with the ASTM D-1945 method and the average of the tests was found to be 571 BTU/cf. The full fuel analysis report is included in the attachments.

Digester Gas Flare

In compliance with PTO #08561-R10 & PTO #08561-R11, GSD operated the digester gas primary flare 365 days of 2024. During this time a flame was always present in the flare and the opacity level never exceeded a shade of No. 1 on the Ringelmann Chart for any amount of time. The standby flare was operated twice this year for maintenance of the primary flare, once during February for a total of 24,651 SCF and once during April for a total of 90,716 SCF. All calibration records for the flare flow meters are included in the attachments. The flow of digester gas never exceeded the limit of 187,000 scf/day. All reportable flow measurements are included in the following attachments.

Digester Gas Fired Boilers

In compliance with both PTO #08561-R10 & PTO #08561-R11, GSD operated its digester gas boiler #2 (Device ID: 38861) a total of 293 days in 2024. The volume of digester gas burned by the boiler never exceeded the daily maximum of 83,630 SCF. The boiler was checked daily for proper operation. The monthly total gas combusted in the boiler and the number of days in each month that the boiler operated was recorded and is included in the following attachments. The most recent calibration records for the boiler digester gas flow meters are included in the following attachments. Boiler #2 was tuned to factory specifications on September 16, 2024.

Odor Control System

In compliance with PTO #08561-R10 & PTO #08561-R11, GSD operated the carbon canister odor control system 365 days of the year in accordance with the manufacturer's recommendations. The headworks odor control system was out of service for maintenance during July through September. Both odor control carbon canisters were checked for hydrogen sulfide breakthrough on a monthly basis. During the reporting period there was not any measurable breakthrough. The monthly sample numbers and dates are included in the following attachments.

Diesel Fired Emergency Standby Generators

In compliance with PTO #08561-R10 & PTO # 08561-R11 and PTO #13447-R4, GSD operated its emergency standby generators. Generator 1 was operated for 14.1 hours during emergency use and 12.5 hours for maintenance and testing. Generator 2 was operated for 14.0 hours during emergency use and 12.8 hours for maintenance and testing. Firestone pumping station's emergency generator was operated for 1.7 hours during emergency use and 22.1 hours for maintenance and testing. An ENF-92 form is included in the following attachments for each generator. Also included is a letter of conformance from both of the diesel suppliers demonstrating that all fuel used meets the requirements of the ATCM.

Organic Materials to Energy Project

Twenty two devices associate with PTO #15229-R1 were removed from the site during 2024. The following devices are no longer located at GSD: #393313, Flare; #394740, Auger Motor; #394741, Hammer Motor; #394742, Slurry Pump, #393318, Pipe Fan 1, #393336, Pipe Fan 4; #393322, Mixer 1; #393323, Mixer 2; #393324, Mixer 3; #393325, Cake/Sludge Pump; #393329, Tube Pump 1; #393330, Tube Pump 2; #393331, Tube Pump 3; #393332,

Membrane/Tube Pump 1; #393333, Membrane/Tube Pump 2; #393338, Feed Tank; #393339, Digester 1; #393340, Digester 2; #393341, Digestate Storage Tank; #393342, Holding/Refeed Tank 1; #393343, Holding/Refeed Tank 2; and #394744, Engine. The approximate volume of propane used exclusively in the boiler during 2024 was 20,200 cubic ft. The propane fuel analysis report is included in the attachments.

List of Attachments

- Digester Gas Sulfur Content Monitoring (3 pages)
- Certificate of Analysis, Digester Heating value (4 pages)
- Boiler and Flare Monitoring (1 page)
- Boiler #2 Tune-Up (1 page)
- Mass Flow Meter Calibration Certificate, Primary Flare (New) (1 page)
- Mass Flow Meter Calibration Certificate, Standby Flare (Old) (1 page)
- Mass Flow Meter Calibration Certificate, Boiler #2 (1 pages)
- Odor Control Breakthrough Monitoring (1 page)
- ENF-92 Generator #1 (2 page)
- ENF-92 Generator #2 (2 page)
- ENF-92 Firestone Pump Station Generator (3 page)
- Letter of Conformance for the ATCM, Diesel Fuel (2 pages)
- Propane Purchase Receipt (1 page)
- Propane Heating Value Analysis Report (1 page)

All Reading in PPM hydrogen sulfide using a colorimetric gas tube.

Date	Read	Time	7 Day Avg	Date	Read	Time	7 Day Avg	Date	Read	Time	7 Day Avg	Date	Read	Time	7 Day Avg
01/01/24	60	1,002	70	02/01/24	50	1,030	66	03/01/24	55	1,057	74	04/01/24	80	1,010	87
01/02/24	70	1,000	69	02/02/24	55	1,041	62	03/02/24	80	1,046	76	04/02/24	90	1,013	89
01/03/24	60	1,010	64	02/03/24	50	1,002	61	03/03/24	80	1,000	78	04/03/24	60	1,005	83
01/04/24	100	1,000	70	02/04/24	60	1,013	59	03/04/24	80	937	78	04/04/24	90	1,003	84
01/05/24	95	1,041	75	02/05/24	100	955	62	03/05/24	60	954	72	04/05/24	100	1,032	86
01/06/24	70	1,042	74	02/06/24	50	1,015	61	03/06/24	110	950	75	04/06/24	95	1,050	85
01/07/24	70	1,000	75	02/07/24	90	1,034	65	03/07/24	100	1,023	81	04/07/24	80	1,010	85
01/08/24	90	937	79	02/08/24	90	1,015	71	03/08/24	70	1,002	83	04/08/24	60	1,000	82
01/09/24	60	1,010	78	02/09/24	90	1,010	76	03/09/24	100	910	86	04/09/24	90	1,001	82
01/10/24	80	955	81	02/10/24	65	800	78	03/10/24	80	1,010	86	04/10/24	60	1,015	82
01/11/24	90	1,016	79	02/11/24	50	1,008	76	03/11/24	90	1,000	87	04/11/24	70	1,017	79
01/12/24	65	1,034	75	02/12/24	70	958	72	03/12/24	90	1,000	91	04/12/24	95	1,057	79
01/13/24	80	1,052	76	02/13/24	60	1,015	74	03/13/24	80	1,001	87	04/13/24	100	850	79
01/14/24	90	1,010	79	02/14/24	80	1,015	72	03/14/24	90	1,003	86	04/14/24	90	1,016	81
01/15/24	90	1,009	79	02/15/24	60	1,041	68	03/15/24	100	1,056	90	04/15/24	90	958	85
01/16/24	100	1,010	85	02/16/24	70	1,004	65	03/16/24	50	1,001	83	04/16/24	80	1,000	84
01/17/24	90	924	86	02/17/24	70	1,030	66	03/17/24	70	1,005	81	04/17/24	60	1,002	84
01/18/24	70	1,041	84	02/18/24	60	1,007	67	03/18/24	60	946	77	04/18/24	100	1,003	88
01/19/24	100	1,049	89	02/19/24	60	1,000	66	03/19/24	90	1,005	77	04/19/24	60	850	83
01/20/24	90	1,046	90	02/20/24	60	1,009	66	03/20/24	80	1,008	77	04/20/24	55	920	76
01/21/24	80	1,020	89	02/21/24	50	1,035	61	03/21/24	110	1,010	80	04/21/24	60	1,000	72
01/22/24	80	1,008	87	02/22/24	70	1,000	63	03/22/24	80	1,000	77	04/22/24	60	1,005	68
01/23/24	60	1,028	81	02/23/24	70	1,032	63	03/23/24	80	1,011	81	04/23/24	70	1,000	66
01/24/24	80	1,005	80	02/24/24	60	1,004	61	03/24/24	100	1,010	86	04/24/24	60	952	66
01/25/24	80	1,006	81	02/25/24	70	1,020	63	03/25/24	120	1,000	94	04/25/24	70	1,053	62
01/26/24	80	900	79	02/26/24	80	1,006	66	03/26/24	80	1,000	93	04/26/24	60	918	62
01/27/24	60	1,053	74	02/27/24	100	918	71	03/27/24	100	1,025	96	04/27/24	50	900	61
01/28/24	70	1,015	73	02/28/24	90	908	77	03/28/24	80	1,058	91	04/28/24	50	1,000	60
01/29/24	80	1,011	73	02/29/24	60	1,016	76	03/29/24	90	957	93	04/29/24	50	1,013	59
01/30/24	60	1,020	73					03/30/24	100	750	96	04/30/24	50	937	56
01/31/24	60	1,045	70					03/31/24	80	1,045	93				
Month Avg	78			Month Avg	69			Month Avg	85			Month Avg	73		

Digester Gas Sulfur Content Monitoring

Date	Read	Time	7 Day Avg	7 Day Avg				7 Day Avg				Date	Read	Time	7 Day Avg
				Date	Read	Time	7 Day Avg	Date	Read	Time	7 Day Avg				
05/01/24	40	1,000	53	06/01/24	90	1,036	71	07/01/24	100	958	85	08/01/24	140	830	217
05/02/24	50	954	50	06/02/24	90	1,003	74	07/02/24	90	1,005	86	08/02/24	105	843	203
05/03/24	80	1,015	53	06/03/24	80	1,005	74	07/03/24	60	1,005	84	08/03/24	70	1,022	184
05/04/24	70	1,008	56	06/04/24	80	1,020	76	07/04/24	85	1,021	88	08/04/24	80	1,025	155
05/05/24	50	1,013	56	06/05/24	80	1,000	77	07/05/24	70	1,006	83	08/05/24	100	1,005	129
05/06/24	90	1,020	61	06/06/24	70	1,035	79	07/06/24	75	1,047	79	08/06/24	60	1,005	105
05/07/24	80	1,007	66	06/07/24	100	1,047	84	07/07/24	70	1,010	79	08/07/24	60	1,003	88
05/08/24	50	1,021	67	06/08/24	100	1,056	86	07/08/24	70	955	74	08/08/24	65	725	77
05/09/24	50	1,000	67	06/09/24	70	1,030	83	07/09/24	80	1,000	73	08/09/24	55	915	70
05/10/24	95	850	69	06/10/24	70	1,020	81	07/10/24	80	1,040	76	08/10/24	60	833	69
05/11/24	85	900	71	06/11/24	90	1,005	83	07/11/24	85	1,026	76	08/11/24	50	1,020	64
05/12/24	80	1,017	76	06/12/24	ND	ND	83	07/12/24	100	800	80	08/12/24	50	957	57
05/13/24	80	1,009	74	06/13/24	100	1,035	88	07/13/24	65	1,047	79	08/13/24	60	1,000	57
05/14/24	60	1,031	71	06/14/24	105	1,036	89	07/14/24	70	1,020	79	08/14/24	65	830	58
05/15/24	90	955	77	06/15/24	60	925	83	07/15/24	70	1,000	79	08/15/24	70	840	59
05/16/24	70	1,000	80	06/16/24	100	1,005	88	07/16/24	60	955	76	08/16/24	80	1,035	62
05/17/24	125	800	84	06/17/24	100	1,005	93	07/17/24	80	1,010	76	08/17/24	100	855	68
05/18/24	120	645	89	06/18/24	100	1,000	94	07/18/24	60	1,011	72	08/18/24	60	1,010	69
05/19/24	100	1,000	92	06/19/24	100	1,035	95	07/19/24	50	1,016	65	08/19/24	50	1,007	69
05/20/24	90	1,010	94	06/20/24	100	1,012	95	07/20/24	70	1,008	66	08/20/24	60	1,000	69
05/21/24	80	1,000	96	06/21/24	60	1,018	89	07/21/24	100	1,020	70	08/21/24	65	955	69
05/22/24	80	1,013	95	06/22/24	100	856	94	07/22/24	90	1,015	73	08/22/24	60	800	68
05/23/24	70	1,000	95	06/23/24	60	1,000	89	07/23/24	100	1,000	79	08/23/24	90	930	69
05/24/24	100	924	91	06/24/24	50	1,000	81	07/24/24	100	1,039	81	08/24/24	85	853	67
05/25/24	95	1,058	88	06/25/24	80	1,000	79	07/25/24	150	1,012	94	08/25/24	70	1,009	69
05/26/24	70	1,001	84	06/26/24	80	1,005	76	07/26/24	190	1,030	114	08/26/24	50	1,004	69
05/27/24	80	1,010	82	06/27/24	55	1,041	69	07/27/24	130	900	122	08/27/24	80	1,009	71
05/28/24	70	1,005	81	06/28/24	105	1,022	76	07/28/24	280	1,015	152	08/28/24	70	1,004	72
05/29/24	70	1,000	79	06/29/24	105	1,047	76	07/29/24	280	1,005	183	08/29/24	65	830	73
05/30/24	60	1,003	78	06/30/24	70	1,020	78	07/30/24	230	1,003	205	08/30/24	75	830	71
05/31/24	60	955	72					07/31/24	180	1,005	218	08/31/24	70	1,010	69
Month Avg	77			Month Avg	84			Month Avg	107			Month Avg	72		

Date	Read	Time	7 Day Avg	Date	Read	Time	7 Day Avg	Date	Read	Time	7 Day Avg	Date	Read	Time	7 Day Avg
09/01/24	50	1,007	66	10/01/24	70	1,003	69	11/01/24	55	840	69	12/01/24	90	1,015	92
09/02/24	60	1,009	67	10/02/24	50	1,014	66	11/02/24	60	1,006	66	12/02/24	80	958	91
09/03/24	70	1,025	66	10/03/24	70	958	67	11/03/24	60	1,008	65	12/03/24	70	1,018	89
09/04/24	50	951	63	10/04/24	70	1,005	70	11/04/24	50	1,010	64	12/04/24	100	1,033	89
09/05/24	75	1,008	64	10/05/24	60	1,007	71	11/05/24	50	1,035	61	12/05/24	100	742	89
09/06/24	75	844	64	10/06/24	70	1,000	67	11/06/24	60	1,012	59	12/06/24	95	747	89
09/07/24	75	1,040	65	10/07/24	70	1,003	66	11/07/24	55	900	56	12/07/24	90	1,033	89
09/08/24	80	1,005	69	10/08/24	60	957	64	11/08/24	40	1,020	54	12/08/24	70	1,004	86
09/09/24	40	1,031	66	10/09/24	70	1,012	67	11/09/24	65	900	54	12/09/24	70	1,010	85
09/10/24	50	1,005	64	10/10/24	60	1,005	66	11/10/24	50	1,013	53	12/10/24	80	1,017	86
09/11/24	70	1,023	66	10/11/24	60	1,025	64	11/11/24	50	1,016	53	12/11/24	100	955	86
09/12/24	60	1,000	64	10/12/24	60	1,019	64	11/12/24	70	1,005	56	12/12/24	100	753	86
09/13/24	60	1,018	62	10/13/24	70	1,023	64	11/13/24	125	830	65	12/13/24	100	1,025	87
09/14/24	85	1,025	64	10/14/24	80	957	66	11/14/24	100	1,004	71	12/14/24	100	1,005	89
09/15/24	50	1,000	59	10/15/24	70	958	67	11/15/24	95	748	79	12/15/24	90	1,018	91
09/16/24	60	1,015	62	10/16/24	50	1,018	64	11/16/24	100	1,003	84	12/16/24	90	1,005	94
09/17/24	60	1,000	64	10/17/24	70	1,015	66	11/17/24	80	1,010	89	12/17/24	100	1,000	97
09/18/24	50	1,005	61	10/18/24	75	1,001	68	11/18/24	80	1,015	93	12/18/24	105	804	98
09/19/24	40	1,008	58	10/19/24	70	1,012	69	11/19/24	100	1,015	97	12/19/24	100	1,002	98
09/20/24	60	945	58	10/20/24	60	1,008	68	11/20/24	100	1,000	94	12/20/24	100	805	98
09/21/24	50	1,012	53	10/21/24	80	1,003	68	11/21/24	120	1,000	96	12/21/24	90	1,002	96
09/22/24	80	1,010	57	10/22/24	70	1,005	68	11/22/24	100	730	97	12/22/24	80	1,030	95
09/23/24	70	1,000	59	10/23/24	80	1,000	72	11/23/24	120	1,015	100	12/23/24	100	1,015	96
09/24/24	80	958	61	10/24/24	70	1,000	72	11/24/24	100	1,013	103	12/24/24	80	1,025	94
09/25/24	70	957	64	10/25/24	50	1,001	69	11/25/24	90	1,010	104	12/25/24	100	841	93
09/26/24	60	1,011	67	10/26/24	75	1,005	69	11/26/24	80	1,007	101	12/26/24	100	1,003	93
09/27/24	50	1,006	66	10/27/24	70	1,020	71	11/27/24	100	800	101	12/27/24	100	1,020	93
09/28/24	50	1,011	66	10/28/24	60	1,020	68	11/28/24	105	730	99	12/28/24	100	1,045	94
09/29/24	100	958	69	10/29/24	70	1,006	68	11/29/24	90	1,000	98	12/29/24	80	1,007	94
09/30/24	80	1,013	70	10/30/24	75	828	67	11/30/24	90	900	94	12/30/24	90	1,017	93
09/31/24				10/31/24	75	845	68					12/31/24	90	1,003	94
Month Avg	64			Month Avg	67			Month Avg	81			Month Avg	92		

Annual Average 79

Location Goleta Sanitary District - Goleta Wastewater Treatment Plant

Source Varec 244E Digester Gas Flare

Project No. AST-2024-1675

Run Number		Run 1	Run 2	Run 3	Average
Date		4/15/24	4/15/24	4/15/24	--
Start Time		12:28	13:35	14:40	--
Stop Time		13:11	14:23	15:22	--
Source Data					
Fuel Heating Value, Btu/scf	F _{HV}	586	595	532	571
Fuel Factor (O2 dry), dscf/MMBtu	F _d	9,261	9,251	9,244	9,252
Fuel Rate, scfm	F _R	134.9	133.7	133.2	134
Input Data - Outlet					
Volumetric Flow Rate (M1-4), dscfm	Q _S	5,458	5,655	5,654	5,589
Calculated Data - Outlet					
O ₂ Concentration, % dry	C _{O₂}	18.93	18.83	20.09	19.28
CO Concentration, ppmvd	C _{CO}	9.29	7.64	3.91	6.95
CO Concentration, ppmvd @ 3 % O ₂	C _{COc3}	84.39	65.99	86.86	79.08
CO Emission Rate, lb/hr	ER _{CO}	0.22	0.19	0.10	0.17
CO Emission Rate, lb/day	ER _{CO}	5.31	4.52	2.32	4.05
CO Emission Factor, lb/MMBtu (O2d)	EF _{CO O2d}	0.0664	0.0519	0.0682	0.0621
NO _x Concentration, ppmvd	C _{NO_x}	4.06	4.52	1.59	3.39
NO _x Concentration, ppmvd @ 3 % O ₂	C _{NOxc3}	36.85	39.06	35.36	37.09
NO _x Emission Rate, lb/hr	ER _{NO_x}	0.16	0.18	0.06	0.14
NO _x Emission Rate, lb/day	ER _{NO_x}	3.81	4.40	1.55	3.25
NO _x Emission Factor, lb/MMBtu (O2d)	EF _{NO_x O2d}	0.0476	0.0504	0.0456	0.0479
Fuel Analysis					
Fuel Gas Sulfur Concentration, ppm	C _{ppm}	84.1			
Fuel Gas Sulfur Concentration, gr/scf	C _{gr/scf}	0.0490			
Fuel Gas Sulfur Concentration, gr/100 scf	C _{gr/100 scf}	4.90			
Fuel Gas Sulfur Emission Rate (as SO ₂), lb/hr	ER	0.112			
Fuel Gas Sulfur Emission Rate (as SO ₂), lb/day	ER	2.70			
Fuel Gas Sulfur Emission Factor (as SO ₂), lb/MMcf	EF	13.89			
Fuel Gas Sulfur Emission Factor (as SO ₂), lb/MMBtu	EF	0.0244			

**Goleta Sanitary District
Goleta Wastewater Treatment Plant**

**Project: AST-2024-1675-A
Sample ID: B17448**

Sample Location: One Varec 244E Digester Gas Flare
Sample Description: Inlet Gas, Run 1
Sampled by: David McKeehan

Date Sampled: April 15, 2024
Date Received: April 16, 2024
Date Analyzed: April 16, 2024

Fuel Gas - Analysis Results

CONSTITUENT	MOLE %	Wt.%	LV%	GPM*	CHONS	Wt.%
Oxygen	0.673	0.788	0.356		Carbon	42.62
Nitrogen	2.362	2.421	1.547		Hydrogen	8.56
Carbon Dioxide	38.941	62.713	39.552		Oxygen	46.39
Carbon Monoxide	0.000	0.000	-		Nitrogen	2.42
Hydrogen Sulfide	0.008	0.010	0.007		Sulfur	0.01
					Total	100.00
					GPM SUBTOTALS*	gal/1000 ft³
Methane	58.011	34.056	58.530	9.840	C ₂ +	0.002
Ethane	0.000000	0.000000	0.000000	0.000000	C ₃ +	0.002
Propane	0.000129	0.000209	0.000212	0.000036	C ₄ +	0.001
Butanes	0.000060	0.000128	0.000113	0.000019	C ₅ +	0.001
Pentanes	0.000008	0.000021	0.000017	0.000003		
Hexanes	0.003558	0.011222	0.008709	0.001464		
					SULFUR	ppmv gr/100 scf**
					H ₂ S	84.1 4.90
					TRS	84.1 4.90
Total(s)	100.000	100.000	100.000	9.842		

CALORIFIC VALUES	GROSS		NET		SUPPORTING DATA	
	Btu/ft ³	Btu/lb	Btu/ft ³	Btu/lb		
Dry, ideal	586 ^a	8139 ^b	528	7329	Specific Gravity (Air = 1)	0.9436
Wet, ideal	576	7997	519	7201	Specific Volume (ft ³ /lb)	13.89
Dry, real*	588	-	529	-	Molar Wt. of Sample	27.33
Wet, real*	578	-	520	-	VOC/THC by Wt.%	0.03
					Compressibility Factor "Z"	0.9969
<i>References:</i> ASTM D1945-14 (2019), D1946-90 (2019), D3588-98 (2017), D6228-19 GPA 2145-16, 2172-19 40 CFR Pt 60 App A Method 18 & 19					EPA F-FACTOR	
					Fd, dscf/MMBtu @ 68°F	9261
					Fd, dscf/MMBtu @ 60°F	9122
					Fc, dscf/MMBtu @ 68°F	1681

* Compressibility Corrected

** Reported as Sulfur

^a Used in EPA Method 19 Volume Flow Calculations

^b Used in EPA Method 19 F-Factor Calculations

GPM - Gallons per 1000 ft³

LV% - Liquid Volume Percent

VOC - C₃-C₆+ Components

THC - Total Hydrocarbon Content

TRS - Total Reduced Sulfur

dscf - Dry Standard Cubic Foot

scf - Standard Cubic Foot

Fd - Oxygen based F-Factor

Fc - Carbon based F-Factor

**Goleta Sanitary District
Goleta Wastewater Treatment Plant**

**Project: AST-2024-1675-A
Sample ID: B17449**

Sample Location: One Varec 244E Digester Gas Flare
Sample Description: Inlet Gas, Run 2
Sampled by: David McKeehan

Date Sampled: April 15, 2024
Date Received: April 16, 2024
Date Analyzed: April 16, 2024

Fuel Gas - Analysis Results

CONSTITUENT	MOLE %	Wt.%	LV%	GPM*	CHONS	Wt.%
Oxygen	0.501	0.590	0.264		Carbon	43.14
Nitrogen	1.902	1.961	1.242		Hydrogen	8.74
Carbon Dioxide	38.701	62.672	39.211		Oxygen	46.16
Carbon Monoxide	0.000	0.000	-		Nitrogen	1.96
					Sulfur	0.00
					Total	100.00
					GPM SUBTOTALS*	gal/1000 ft³
Methane	58.892	34.765	59.273	9.990	C ₂ +	0.001
Ethane	0.000000	0.000000	0.000000	0.000000	C ₃ +	0.001
Propane	0.000130	0.000211	0.000213	0.000036	C ₄ +	0.001
Butanes	0.000057	0.000122	0.000107	0.000018	C ₅ +	0.001
Pentanes	0.000008	0.000022	0.000018	0.000003		
Hexanes	0.003505	0.011115	0.008557	0.001442		
Total(s)	100.000	100.000	100.000	9.991		

CALORIFIC VALUES	GROSS		NET		SUPPORTING DATA	
	Btu/ft ³	Btu/lb	Btu/ft ³	Btu/lb		
Dry, ideal	595 ^a	8308 ^b	536	7481	Specific Gravity (Air = 1)	0.9384
Wet, ideal	585	8163	526	7350	Specific Volume (ft ³ /lb)	13.96
Dry, real*	597	-	537	-	Molar Wt. of Sample	27.18
Wet, real*	586	-	528	-	VOC/THC by Wt.%	0.03
					Compressibility Factor "Z"	0.9969
<i>References:</i> ASTM D1945-14 (2019), D1946-90 (2019), D3588-98 (2017) GPA 2145-16, 2172-19 40 CFR Pt 60 App A Method 18 & 19					EPA F-FACTOR	
					Fd, dscf/MMBtu @ 68°F	9251
					Fd, dscf/MMBtu @ 60°F	9112
				Fc, dscf/MMBtu @ 68°F	1667	

* Compressibility Corrected

^a Used in EPA Method 19 Volume Flow Calculations

^b Used in EPA Method 19 F-Factor Calculations

GPM - Gallons per 1000 ft³

LV% - Liquid Volume Percent

VOC - C₃-C₆+ Components

THC - Total Hydrocarbon Content

dscf - Dry Standard Cubic Foot

scf - Standard Cubic Foot

Fd - Oxygen based F-Factor

Fc - Carbon based F-Factor

**Goleta Sanitary District
Goleta Wastewater Treatment Plant**

**Project: AST-2024-1675-A
Sample ID: B17450**

Sample Location: One Varec 244E Digester Gas Flare
Sample Description: Inlet Gas, Run 3
Sampled by: David McKeehan

Date Sampled: April 15, 2024
Date Received: April 16, 2024
Date Analyzed: April 16, 2024

Fuel Gas - Analysis Results

CONSTITUENT	MOLE %	Wt.%	LV%	GPM*	CHONS	Wt.%
Oxygen	2.741	3.200	1.502		Carbon	38.41
Nitrogen	9.639	9.853	6.547		Hydrogen	7.75
Carbon Dioxide	34.934	56.098	36.806		Oxygen	43.99
Carbon Monoxide	0.000	0.000	-		Nitrogen	9.85
					Sulfur	0.00
					Total	100.00
					GPM SUBTOTALS*	gal/1000 ft³
Methane	52.682	30.838	55.137	8.933	C ₂ +	0.001
Ethane	0.000000	0.000000	0.000000	0.000000	C ₃ +	0.001
Propane	0.000135	0.000217	0.000229	0.000037	C ₄ +	0.001
Butanes	0.000059	0.000126	0.000115	0.000019	C ₅ +	0.001
Pentanes	0.000008	0.000020	0.000017	0.000003		
Hexanes	0.003255	0.010236	0.008264	0.001339		
Total(s)	100.000	100.000	100.000	8.934		

CALORIFIC VALUES	GROSS		NET		SUPPORTING DATA	
	Btu/ft ³	Btu/lb	Btu/ft ³	Btu/lb		
Dry, ideal	532 ^a	7370 ^b	479	6636	Specific Gravity (Air = 1)	0.9463
Wet, ideal	523	7241	471	6520	Specific Volume (ft ³ /lb)	13.85
Dry, real*	534	-	481	-	Molar Wt. of Sample	27.41
Wet, real*	524	-	472	-	VOC/THC by Wt.%	0.03
					Compressibility Factor "Z"	0.9973
<i>References:</i> ASTM D1945-14 (2019), D1946-90 (2019), D3588-98 (2017) GPA 2145-16, 2172-19 40 CFR Pt 60 App A Method 18 & 19					EPA F-FACTOR	
					Fd, dscf/MMBtu @ 68°F	9244
					Fd, dscf/MMBtu @ 60°F	9105
				Fc, dscf/MMBtu @ 68°F	1673	

* Compressibility Corrected

^a Used in EPA Method 19 Volume Flow Calculations

^b Used in EPA Method 19 F-Factor Calculations

GPM - Gallons per 1000 ft³

LV% - Liquid Volume Percent

VOC - C₃-C₆+ Components

THC - Total Hydrocarbon Content

dscf - Dry Standard Cubic Foot

scf - Standard Cubic Foot

Fd - Oxygen based F-Factor

Fc - Carbon based F-Factor

Goleta Sanitation
1 Willam Moffet Place
Goleta CA 93117

Rite Boiler 6102

Model SG2000

E INSTRUMENTS

Model E4500-N

Serial number 9792

Fuel Digester Gas

		Low	High
Date		9/16/2024	9/16/2024
Time		6:23:33	6:38:02
O2	%	11.9	11.6
CO	ppm	1	0
CO2	%	5	5.2
Eff. tot	%	73.7	74.6
Loss tot	%	26.3	25.4
T gas	°F	512.6	500.7
T air	°F	68	68.9
ΔT	°F	444.6	431.8
Exc. air	%	132	125
Eff. cond	%	0	0
NO	ppm	7.3	8.5
NO2	ppm	0	0
NOx	ppm	7.3	8.5
CO (3.0%)	ppm	2	0
NO (3.0%)	ppm	14.5	16.4
NO2 (3.0%)	ppm	0	0
NOx (3.0%)	ppm	14.5	16.4
Draft	inH2O	-0.004	0.012
Smoke		--	--
CO max		---	---
T flow		---	---
P gas		---	---

**Gold
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Environmental

1868 Palma Drive, Suite I

Ventura, CA 93003

Office: 805.498.3811

Fax: 805.498.7631

www.goldcoastenv.com

MASS FLOW METER CALIBRATION CERTIFICATE

Company Name: Goleta Sanitary District

Address: One Moffet Place, Goleta, CA 93117

Service Date: 4/9/2023 **Service Time:** 11:00 **Location/Tag #:** Main Flare / FIT-6210

Manufacturer: Fluid Components International

Serial Number: 507737

Nominal Sensor Resistance: 1000 Ohms

EPROM Info:

Version:	Date:	Checksum
2.32	4/4/06	4AE3

Indicated Temperature at Nominal Resistance: 29.40 F

Technician:
DT

Delta 'R (ohms)	VDC Across 250 ohms	mA Output	Unit dR	Indicated Display
221.22	.999	3.99	4096	0.00
220.22	1.201	4.60	4084	15.20
211.02	1.247	4.81	3913	18.63
181.30	1.496	5.81	3360	37.30
151.31	41.995	7.82	2802	74.62
121.37	3.984	11.83	2245	149.7
93.90	4.968	19.71	1734	297.9

Version:	2.32	C5:	311.89750	Sensor:	2
Scale:	1.19988	Balance:	161	Tslp:	0.022820000
Serial #:	507737	Outz:	6565	Refr:	2225.39
Customer:	C080322	OutF:	32855	Caltemp:	69
Curve Fit:	2	Heater i:	115	Toff:	-440.83
Brk Pt:	2149	Factor:	13.2247	Tcslp:	0.00026500
Poly Seg 1:		Eu:	67 (C)	Tcslp0:	0.00000
C1:	73.271340	Tot:	1	Tcslp2:	0.00000
C2:	0.8406194	Tottemp:	0	MaxFlow:	27.219
C3:	-11.28398	TotFlow:	303328.281	MinFlow:	1.1345
C4:	12.143650	RollOver:	243E6	Density:	0.07152420
C5:	0.0485410	Roll Cnt:	0	Line Size 0:	6.3570004
Poly Seg 2:		Outmode:	0	Line Size 1:	0.000000
C1:	3801.2940	A/D Max:	3994	F.S:	300.0000
C2:	-805.6827	A/D Min:	1515	Tot FixPt:	Off
C3:	6507.5750	K Factor:	1.0000		
C4:	-23316.29	Zero:	0.0000		

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Fax: 805.498.7631
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MASS FLOW METER CALIBRATION CERTIFICATE

Company Name: Goleta Sanitary District

Address: One Moffet Place, Goleta, CA 93117

Service Date: 4/9/2024 Service Time: 10:30 Location/Tag #: Back Up Flare / FIT-5001

Manufacturer: Fluid Components International

Serial Number: 246282

Nominal Sensor Resistance: 1000 Ohms

EPROM Info:

Indicated Temperature at Nominal Resistance: 29.40 F

Version:	Date:	Checksum
2.32	4/4/06	4AE3

Technician:

DT

Delta 'R (ohms)	VDC Across 250 ohms	mA Output	Unit dR	Indicated Display
210.51	1.000	4.00	3880	0
209.51	1.402	5.61	3862	10.07
199.36	1.197	6.00	3673	12.48
167.08	1.998	8.00	3073	24.99
132.32	2.997	12.37	2464	52.18
116.46	3.995	16.00	2132	74.87
104.89	4.982	19.95	1917	99.44

Version:	2.32	C5:	-1.445928	Sensor:	2
Scale:	1.2002	Balance:	172	Tslp:	.023453800
Serial #:	246282	Outz:	6613	Refr:	2232
Customer:	GSD	OutF:	32935	Caltemp:	68.99
Curve Fit:	2	Heater i:	117	Toff:	-454.49
Brk Pt:	2597	Factor:	5.30431	Tcslp:	0.00027400
Poly Seg 1:		Eu:	67 (C)	Tcslp0:	0.00000
C1:	2076.3770	Tot:	0	Tcslp2:	0.00000
C2:	-260.0252	Tottemp	0	MaxFlow:	22.627
C3:	1254.7870	TotFlow:	69756.1406	MinFlow:	1.8856
C4:	-2695.643	RollOver:	1e6	Density:	0.07152420
C5:	21.590350	Roll Cnt:	0	Line Size 0:	4.0260000
Poly Seg 2:		Outmode:	0	Line Size 1:	0.000000
C1:	112.00330	A/D Max:	3791	F.S:	100.0000
C2:	-2.116658	A/D Min:	1672		
C3:	-13.93106	K Factor:	1.0000		
C4:	85.419290	Zero:	0.0000		

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MASS FLOW METER CALIBRATION CERTIFICATE

Company Name: Goleta Sanitary District

Address: One Moffet Place, Goleta, CA 93117

Service Date: 4/9/2024 Service Time: 11:45 Location/Tag #: Gas Pad / FIT-5035

Manufacturer: Fluid Components International

Serial Number: 448186

Nominal Sensor Resistance: 1000 Ohms

EPROM Info:

Version:	Date:	Checksum
2.32	4/4/06	4AE3

Indicated Temperature at Nominal Resistance: 29.90 F

Technician:

DT

Delta 'R (ohms)	VDC Across 250 ohms	mA Output	Unit dR	Indicated Display
257.53	0.999	4.00	4761	0.00
256.53	1.112	4.45	4743	8.499/8.481
217.22	1.244	4.98	4035	18.41/18/36
185.28	1.489	5.96	3441	36.95/36.87
153.40	1.985	7.94	2847	74.12/74.08
104.53	3.981	11.92	1938	224.1/224.0
93.32	4.695	19.86	1730	297.9/297.8

Version:	2.32	C5:	2.247850	Sensor:	2
Scale:	1.20006	Balance:	160	Tslp:	0.22820000
Serial #:	448186	Outz:	6598	Refr:	2250.71
Customer:	FA379481	OutF:	32961	Caltemp:	73
Curve Fit:	2	Heater i:	108	Toff:	-440.61
Brk Pt:	2995	Factor:	10.8612	Tcslp:	0.00026500
Poly Seg 1:		Eu:	67 (C)	Tcslp0:	0.00000
C1:	-928.4884	Tot:	0	Tcslp2:	0.00000
C2:	119.45260	Tottemp	0	MaxFlow:	33.147
C3:	-525.4808	TotFlow:	625662.812	MinFlow:	0.7641
C4:	989.67160	RollOver:	1e6	Density:	0.07152420
C5:	-6.848571	Roll Cnt:	0	Line Size 0:	5.7609997
Poly Seg 2:		Outmode:	0	Line Size 1:	0.000000
C1:	142.5260	A/D Max:	4663	F.S:	300.0000
C2:	-9.285148	A/D Min:	1465		
C3:	56.060410	K Factor:	1.0000		
C4:	-187.7827	Zero:	0.0000		

Odor Control Breakthrough Monitoring

[illegible]



Diesel-Fired Emergency/Standby (E/S) Engine Recordkeeping Form ENF -92

Santa Barbara County Air Pollution Control District
260 N San Antonio Rd, Suite A, Santa Barbara, CA 93110-1315

Maintain a separate Compliance ENF -92 for each emergency/standby engine. Additional information regarding the recordkeeping and reporting requirements for emergency/standby diesel engines can be found here: www.ourair.org/dice-atcm.

Company Name	Goleta Sanitary District	FID No.	01528
Contact Name	Lena Cox	Phone #	(805) 967-4519
Contact Email	lcox@goletasanitary.org	Permit No.	PTO#08561-R10/PTO#08561-R11

ENGINE DATA	
Engine Location (Address, Nearest Cross Streets, or Lease)	One William Moffett Place/James Fowler Rd.
Manufacturer	Doosan / Generac
Model Name	13237430600 / P222FE
Maximum Rated Brake Horsepower (bhp)	964 bhp
Serial Number	2113102 / 101844
APCD Device Number	113017

Initial Startup⁺ (Hours): _____ Initial Startup Date (if applicable): _____ Reporting Year: 2024

Hour Meter Reading as of January 1st of the Reporting Year: 351.4

MONTH	HOURS OF OPERATION						HOUR METER READING AT THE END OF THE MONTH
	EMERGENCY USE	MAINTENANCE & TESTING	EMISSIONS TESTING	INITIAL STARTUP	OTHER USES	NFPA 25/ 110 USE	
JANUARY		1.6					355.7
FEBRUARY	0.2	0.3					356.2
MARCH		2.0					358.2
APRIL		1.3					359.5
MAY		1.7					361.2
JUNE		1.7					362.9
JULY		1.7					364.6
AUGUST		0.6					365.2
SEPTEMBER		0.8					366.0
OCTOBER	13.9						379.9
NOVEMBER		0.5					380.4
DECEMBER		0.3					380.7
TOTAL	14.1	12.5					

PLEASE RETURN THE COMPLETED ANNUAL REPORT TO:

AIR POLLUTION CONTROL DISTRICT, 260 N. SAN ANTONIO RD., SUITE A, SANTA BARBARA CA 93110-1315
or e-mail to annualreport@sbcapcd.org (FAXES NOT ACCEPTED)

Diesel-Fired Emergency/Standby (E/S) Engine Recordkeeping Form ENF-92

Has this engine been temporarily replaced? ☐ Yes ☒ No

If yes, when? _____ until _____

Have any additional engines been installed at this facility? ☐ Yes ☒ No

Does this annual report contain confidential information? ☐ Yes ☒ No

All information claimed as confidential must be submitted in accordance with APCD Policy & Procedure 6100-020 (Handling of Confidential Information): <http://www.ourair.org/wp-content/uploads/6100-020.pdf>. Failure to follow the required procedures shall be deemed a waiver by the applicant of the right to protect such information from public disclosure.

I certify that the information provided is accurate and complete to the best of my knowledge.

Lena Cox
Signature

Lena Cox 11/23/2025
Print Name / Date

ANNUAL REPORT INSTRUCTIONS FOR DIESEL-FIRED E/S ENGINE

1. **MULTIPLE ENGINES:** If your facility has more than one permitted diesel-fired emergency/standby engine, then please provide separate copies of this form for each engine.
2. **CHECK YOUR PERMIT:** Check the *Reporting* condition of your permit, there may be additional information that needs to be submitted with this report. Please provide any additional information that you are required to submit.
3. **SUBMITTAL:** Submit by mail or e-mail. When submitting via e-mail, if you do not receive a response within 72 hours confirming that the District has received your submittal, please assume the annual report was not received and contact us at (805) 979-8050. *Faxes Not Accepted.*

PLEASE RETURN THE COMPLETED ANNUAL REPORT TO:

AIR POLLUTION CONTROL DISTRICT, 260 N. SAN ANTONIO RD., SUITE A, SANTA BARBARA CA 93110-1315
or e-mail to annualreport@sbcapcd.org (FAXES NOT ACCEPTED)



Diesel-Fired Emergency/Standby (E/S) Engine Recordkeeping Form ENF -92

Santa Barbara County Air Pollution Control District
260 N San Antonio Rd, Suite A, Santa Barbara, CA 93110-1315

Maintain a separate Compliance ENF -92 for each emergency/standby engine. Additional information regarding the recordkeeping and reporting requirements for emergency/standby diesel engines can be found here: www.ourair.org/dice-atcm.

Company Name	Goleta Sanitary District	FID No.	01528
Contact Name	Lena Cox	Phone #	(805) 967-4519
Contact Email	lcox@goletasanitary.org	Permit No.	PTO#08561-R10/PTO#08561-R11

ENGINE DATA	
Engine Location (Address, Nearest Cross Streets, or Lease)	One William Moffett Place/James Fowler Rd.
Manufacturer	Doosan / Generac
Model Name	13237430600 / P222FE
Maximum Rated Brake Horsepower (bhp)	964 bhp
Serial Number	2113103 / 101585
APCD Device Number	113018

Initial Startup† (Hours): _____ Initial Startup Date (if applicable): _____ Reporting Year: 2024

Hour Meter Reading as of January 1st of the Reporting Year: 267.8

MONTH	HOURS OF OPERATION						HOUR METER READING AT THE END OF THE MONTH
	EMERGENCY USE	MAINTENANCE & TESTING	EMISSIONS TESTING	INITIAL STARTUP	OTHER USES	NFPA 25/ 110 USE	
JANUARY		1.6					269.4
FEBRUARY	0.1	1.4					270.9
MARCH		2.0					272.9
APRIL		1.3					274.2
MAY		1.7					275.9
JUNE		1.6					277.5
JULY		1.7					279.2
AUGUST							279.2
SEPTEMBER		0.7					279.9
OCTOBER	13.9						293.8
NOVEMBER		0.5					294.3
DECEMBER		0.3					294.6
TOTAL	14.0	12.8					

PLEASE RETURN THE COMPLETED ANNUAL REPORT TO:

AIR POLLUTION CONTROL DISTRICT, 260 N. SAN ANTONIO RD., SUITE A, SANTA BARBARA CA 93110-1315
or e-mail to annualreport@sbcapcd.org (FAXES NOT ACCEPTED)

Diesel-Fired Emergency/Standby (E/S) Engine Recordkeeping Form ENF-92

Has this engine been temporarily replaced?

☐ Yes ☒ No

If yes, when? _____ until _____

Have any additional engines been installed at this facility?

☐ Yes ☒ No

Does this annual report contain confidential information?

☐ Yes ☒ No

All information claimed as confidential must be submitted in accordance with APCD Policy & Procedure 6100-020 (Handling of Confidential Information): <http://www.ourair.org/wp-content/uploads/6100-020.pdf>. Failure to follow the required procedures shall be deemed a waiver by the applicant of the right to protect such information from public disclosure.

I certify that the information provided is accurate and complete to the best of my knowledge.

Lena Cox
Signature

Lena Cox / 1/23/2025
Print Name / Date

ANNUAL REPORT INSTRUCTIONS FOR DIESEL-FIRED E/S ENGINE

1. **MULTIPLE ENGINES:** If your facility has more than one permitted diesel-fired emergency/standby engine, then please provide separate copies of this form for each engine.
2. **CHECK YOUR PERMIT:** Check the *Reporting* condition of your permit, there may be additional information that needs to be submitted with this report. Please provide any additional information that you are required to submit.
3. **SUBMITTAL:** Submit by mail or e-mail. When submitting via e-mail, if you do not receive a response within 72 hours confirming that the District has received your submittal, please assume the annual report was not received and contact us at (805) 979-8050. *Faxes Not Accepted.*

PLEASE RETURN THE COMPLETED ANNUAL REPORT TO:

AIR POLLUTION CONTROL DISTRICT, 260 N. SAN ANTONIO RD., SUITE A, SANTA BARBARA CA 93110-1315
or e-mail to annualreport@sbcapcd.org (FAXES NOT ACCEPTED)



Diesel-Fired Emergency/Standby Engine Annual Report Form ENF-92

Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110-1315

Complete this ENF-92 form for the specific emergency/standby engine listed in Section II below. Additional information regarding the recordkeeping and reporting requirements for emergency/standby diesel engines can be found here: <https://www.ourair.org/dice-atcm>. Electronically fillable PDF versions of this form are available at <https://www.ourair.org/compliance-forms/>. Annual reports must be signed and submitted to the District by March 1. Reports received after March 1 may be subject to enforcement action.

I. Facility Information

Company Name	Goleta Sanitary District		
Contact Name	Lena Cox		
Phone Number	8059674519	Cell	
Email Address	lcox@goletasanitary.org		
Facility ID # (FID)	11309	Permit Number	13447

II. Engine Data

Engine Location (Address, Nearest Cross Streets, or Lease)			
Maximum Rated Break Horsepower (bhp)	145.00	Engine Manufacturer	Cummins
Engine Serial #	73115400	Engine Model	QSB5-G3 NR3
APCD Device #	113115		

Has this engine been temporarily replaced? ☐ Yes ☒ No If yes, when? until

Have any additional engines been installed at this facility? ☐ Yes ☒ No

III. Engine Operating Hours

Hour Meter Reading on January 1 of Reporting Year		Reporting Year	2024
Initial Start-up Hours (1)	191.9	Initial Start-up Date (if applicable)	

(1) Initial start-up hours are hours authorized for maintenance and testing of new engines that were installed during the current reporting year. If your engine was not installed during this reporting year, leave the default of 0 hours in the field.

Month	Hours of Operation for Use Type				Hour Meter Reading at the End of the Month
	Emergency Use	Maintenance & Testing Use	Other Uses	NFPA 25/110 Use	
January		1.8			193.7
February	0.1	1.6			195.4
March		1.7			197.1
April		1.8			198.9
May		1.8			200.7
June		2.1			202.8
July		2.4			205.2
August		1.8			207.0
September		1.8			208.8
October	1.6	1.8			212.2
November		1.7			213.9
December		1.8			215.7
Total		22.10			

[illegible]

Diesel-Fired Emergency/Standby (E/S) Engine Annual Report Form ENF-92

ANNUAL REPORT INSTRUCTIONS FOR DIESEL-FIRED E/S ENGINES

- 1. CHECK YOUR PERMIT- Additional Reporting Information Attachments:** Check the *Reporting* condition of your permit, there may be additional information that needs to be submitted with this report as an attachment. If your permit requires additional reporting information than what is listed in this form, please combine the additional information into a single PDF document and attach it below:
- 2. SUBMITTAL:** This form will automatically be submitted after signing the document using the AdobeSign platform. If you have any questions about how to fill out this form, please contact the District at annualreport@sbcapcd.org.

Does this annual report contain confidential information?

☐

Yes

☒

No

All information claimed as confidential must be submitted in accordance with APCD Policy & Procedure 6100-020 (Handling of Confidential Information): <https://www.ourair.org/wp-content/uploads/6100-020.pdf>. Failure to follow the required procedures shall be deemed a waiver by the applicant of the right to protect such information from public disclosure.

I certify that the information provided is accurate and complete to the best of my knowledge.

Print Name

Lena Cox

Date

Jan 24, 2025

Signature



[Lena Cox \(Jan 24, 2025 10:37 PST\)](#)



MCCORMIX CORP.
Jobber, Chevron U.S.A. Products Company
P.O. Box 848
Santa Barbara, CA 93102
(805) 963-9366

LETTER OF CONFORMANCE

01/15/2025

This is to certify that CAL ULS S R6-20 BO-5 dyed diesel sold and delivered to:

Goleta Sanitary District for calendar year 2024

Was in compliance with SCAQMD requirements for Santa Barbara County.

The sulfur content is guaranteed to be less than .0015% (15PPM). The high heat content is typically in the 19,950 to 20,200 BTU per pound range.

Steve Olsen

General Manager
McCormix Corporation
805-963-9366

CALIFORNIA DIESEL FUEL. MAXIMUM 15 PPM SULFUR. 15 PPM SULFUR (MAXIMUM) DYED ULTRA-LOW SULFUR DIESEL FUEL #2. FOR USE IN ALL NONROAD DIESEL ENGINES. NOT FOR USE IN HIGHWAY VEHICLES OR ENGINES EXCEPT FOR TAX-EXEMPT USE IN ACCORDANCE WITH SECTION 4082 OF THE INTERNAL REVENUE CODE. 15 PPM SULFUR (MAXIMUM) UNDYED #2D ULTRA-LOW SULFUR DIESEL FUEL IS FOR USE IN ALL DIESEL VEHICLES AND DIESEL ENGINES. DIESEL FUEL DELIVERED DOES NOT CONTAIN VISIBLE EVIDENCE OF DYE. DYED DIESEL FUEL. NONTAXABLE USE ONLY. PENALTY FOR TAXABLE USE. DIESEL FUEL MAY CONTAIN UP TO 5% BIODIESEL. DIESEL FUEL DELIVERED NOT INTENDED FOR MARINE USE. THIS VOLUME OF NEAT OR BLENDED RENEWABLE DIESEL IS DESIGNATED AND INTENDED FOR USE AS TRANSPORTATION FUEL, HEATING OIL OR JET FUEL IN THE 48 U.S.



Letter of Conformance

January 23, 2025

This is to certify that the CARB Ultra Low sulfur dyed Diesel Fuel sold and delivered to Goleta Sanitary District from 1/1/2024-12/31/2024

Was in compliance with California Air Resources Board requirements for Ventura County. The test Results meet ASTM D-5453 and are Typical of all CARB Ultra Low Sulfur Dyed Diesel Fuel sold by SC Fuels. The sulfur Content is guaranteed to be less than .0015%. (15PPM) The high heat content is typically in the 19,950-20,200 BTU per pound range.

Terri Merritt

Account Manager
SC Fuels
Oxnard Division
Office (805)299-1217
merrittt@scfuels.com

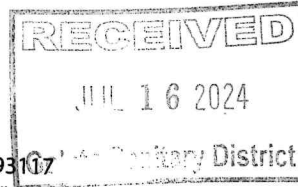
3815 E. VINEYARD AVE, OXNARD, CA 93030 * MAILING ADDRESS: P.O. BOX 50540, OXNARD, CA 93031-0540

FY 23-24



GOLETA SANITARY DISTRICT
Account # 11214860
ONE WILLIAM MOFFETT PLACE
GOLETA CA 93117

Amount Due	\$2,060.28
Date Due	07/01/2024
Invoice Number	21439620
Invoice Date	06/01/2024



Delivery Invoice

Service Address: ONE WILLIAM MOFFETT PLACE GOLETA, CA 93117
1--ONE WILLIAM MOFFETT PLACE 1000GAL #

Date	Item Description	Quantity	Unit Price	Amount
06/01/2024	Delivery Charge			0.00
06/01/2024	Propane	599.400	3.1900	1,912.09
06/01/2024	CA Sales Tax			138.63
06/01/2024	CA Santa Barbara CO			9.56

GSD Total Payment:

\$ 2060.28
By: [Signature] 8-2-24
Fund: [Signature]

OK TODAY RW

Amount Due \$2,060.28

SUP 04

640-42-001-4240

PAID

ENTERED

Other Information

ORIGINAL DELIVERY 1.17.24 #18119183

Delivery History

Other Ways to Pay

Need Help?

westernpropaneservice.com

Pay by Phone: 855-804-3835

Your Local Office: 855-977-4968

Toll-Free (24 hr.): 855-804-3835

westernpropaneservice.com

▼ Please detach and return this bottom portion with your payment. ▼

Did you know you can access your account online?

Enjoy the convenience of online bill payment and delivery scheduling at westernpropaneservice.com

Manage Your Account

Register for our Customer Portal and manage your contact information, view pending deliveries, and enroll for text messages. You will also be among the first to hear about exclusive offers and promotions!

Make Payments

Our Customer Portal provides secure access to your account. Set up automatic or one-time payments online with a credit card or electronic funds transfer (EFT) for quick and easy online payments.

View Fuel Levels

Manage your account with a single dashboard. View your tank information and fuel levels night or day, whenever it's convenient for you.

For more information about billing, rates, and charges, please visit westernpropaneservice.com

Natural Gas Analysis Report

Sample Information

Sample Information	
Sample Name	V2 PROPANE STG COMP C3
Release #	STG COMP C3
Sample Date	10/10/2021
User	Chris
Sample Notes	VP=191.9 GRAVITY=0.505 FACTOR=4.2007 COPPER=1A
Method Name	Liquid Gas 2.met
Injection Date	2021-10-10 19:07:20

Component Results

Component Name	Norm%	Weight% (Dry)	Liq. Volume% (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.0000	0.0000	0.0000	0.000
Methane	0.1428	0.0522	0.0879	0.025
Carbon Dioxide	0.0000	0.0000	0.0000	0.000
Ethane	1.8224	1.2484	1.7688	0.495
Propylene	0.0000	0.0000	0.0000	0.000
Propane	97.3724	97.8222	97.3607	27.235
i-Butane	0.5675	0.7515	0.6740	0.189
n-Butane	0.0949	0.1257	0.1086	0.030
trans-2-Butene	0.0000	0.0000	0.0000	0.000
1-Butene	0.0000	0.0000	0.0000	0.000
i-Butene	0.0000	0.0000	0.0000	0.000
cis-2-Butene	0.0000	0.0000	0.0000	0.000
i-Pentane	0.0000	0.0000	0.0000	0.000
n-Pentane	0.0000	0.0000	0.0000	0.000
C6+	0.0000	0.0000	0.0000	0.000
Water	0.0000	0.0000	0.0000	0.000
Total:	100.0000	100.0000	100.0000	27.973

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	104.3140	
Pressure Base (psia)	14.696	
Net Heating Value (BTU / Ideal cu.ft.)	2304.86	2264.64
Net Heating Value (BTU / Real cu.ft.)	2345.97	2306.32
Net Heating Value (BTU / lbm)	19927	19783
Relative Density (G), Ideal	1.5155	1.4999
Relative Density (G), Real	1.5419	1.5269
Gas Density, Ideal (lbm / cu.ft.)	0.11567	0.11448
Gas Density, Real (lbm / cu.ft.)	0.11773	0.11658
Compressibility (Z) Factor	0.9825	0.9819
Total Relative Liquid Density	0.505	
Total Liquid Density (lbm / gal.)	4.209	
API Gravity	148.81	