



October 28, 2021

Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, California 91384

Job No. 2002-036-201
(x-reference 2004-001-92)

Attention: Mr. Steve Cassulo

Subject: Update on Installation of Gas Probes
Compliance with Title 27
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, California

Dear Mr. Cassulo:

We previously prepared the following referenced reports related to gas probes at the subject site. The installation of eleven perimeter gas probes were proposed as documented in our May 22, 2009 landfill gas (LFG) monitoring plan (Plan) (RTF&A, 2009a). Installation of gas probes was documented in our October 22, 2009 Installation of Gas Probes Report (RTF&A, 2009b). Our Installation of Gas Probes Report (RTF&A, 2009b) included a plan titled "Title 27 Monitoring Network, Figure 1". We understand that representatives of Los Angeles County requested that we provide a current stamp and signature of the above describe plan. As part of the preparation of this report, we reviewed the referenced reports which included installation details and Latitude and Longitude of installed well locations. It is our opinion that the documentation presented in the referenced reports related to well installation details and locations was accurate and sufficient for the reporting purposes of the referenced reports, and remains applicable. Accordingly, we have signed and stamped the attached plan titled "Title 27 Monitoring Network, Figure 1. Attachments presented in our Installation of Gas Probes Report are also attached to this update.

Chiquita Canyon Landfill
October 28, 2021
2002-036-201
Page 2

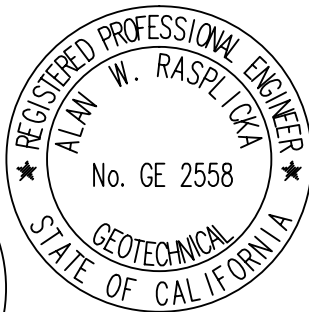
If you should have questions regarding this report, please do not hesitate to contact our firm.

The following attachment completes this report:

- Perimeter Gas Monitoring Points – Table 1
- Latitude and Longitude of Perimeter Gas Monitoring Points – Table 2
- Title 27 Monitoring Network – Figure 1

Yours very truly,

R. T. FRANKIAN & ASSOCIATES



by:

Alan W. Rasplicka, P.E.
California Civil Engineer

PDF Distribution: Waste Connections
Mr. Steve Cassulo
Mr. Randal Bodnar

Chiquita Canyon Landfill
October 28, 2021
2002-036-201

REFERENCES

- Frankian, R. T. & Associates, 2008, , “Proposed Landfill Gas Monitoring Program Revisions for Compliance with Title 27, Chiquita Canyon Landfill, Valencia, California”, dated September 2, 2008, Job No. 2002-036-01
- Frankian, R. T. & Associates, 2009a, “Proposed Landfill Gas Monitoring Program Revisions for Compliance with Title 27, Chiquita Canyon Landfill, Valencia, California”, dated May 22, 2009, Job No. 2004-001-92
- Frankian, R. T. & Associates, 2009b, “Installation of Gas Probes, Compliance with Title 27, Chiquita Canyon Landfill, 29201 Henry Mayo Drive, Valencia, California”, dated October 22, 2009, Job No. 2004-001-92

Table 1
Perimeter Gas Monitoring Points

								Monitoring Probe Depths						
Well ID	Surface Elevation (ft-MSL)	Base Refuse Elevation (ft-MSL)	Title 27 Calculate d Depth (ft-bgs)	Ground- water Elevation (ft-MSL)	Depth to Ground- water (ft-bgs)	Boring Depth (ft-bgs)	Shallow ==> Deep (ft-bgs)				Bentonite Seal Thickness (ft)	Well Spacing (ft)		
Existing Wells	GP-A	1266.44	1000	266	1112.4	154.0	154	10	51	102	152	4 to 5	590 to GP-11	
	GP-2	982.16	1000	none	925.0	57.2	56.6	15.5	44.5	53		2	944 to GP-19	
	GP-8	1223.95	1100	124	1014.0	210.0	120	10	60	120		5	514 to GP-9	
	GP-9	1101.25	1100	1	1015.0	86.3	88.5	25	55	83		5+	687 to GP-24	
	GP-10	1246.03	1000	246	1145.0	101.0	91.12	20	35	60	91	5+	735 to GP-A	
	GP-11	1315.91	1000	316	1104.1	211.8	250	10	70	141	208	4 to 5	915 to GP-12	
	GP-12	1335.78	1000	336	1097.8	238.0	260	12	38	74	110	224	5+	816 to GP-13
	GP-13	1262.88	1000	263	1080.0	182.9	174	10	29	58	87	173	5+	542 to GP-15
	GP-14	1212.00	1000	212	1066.0	146.0	165	10	23	44	67	134	5+	974 to GP-16
New Wells	GP-15	1215.5	1000	215.5	1106.37	109.18	120	10	40	60	90	115	5+	473 to GP-14
	GP-16	1254.2	1000	254.2	1002.74	251.50	270	10	85	154	210	255	5+	800 to GP-17
	GP-17	1213.6	1000	213.6	998.70	214.89	240	10	55	105	149	235	5+	916 to GP-18
	GP-18	1110.7	1000	110.7	960	151	120.9	10	38	58	86	115	5+	906 to GP-2
	GP-19	1128.6	1000	128.6	928	201	130	10		84		116	5+	928 to GP-20
	GP-20	1174.9	1000	174.9	940	235	179	60		105		173	5+	909 to GP-21
	GP-21	1217.9	1000	217.9	989.97	227.92	240	10		90		232	5+	949 to GP-22
	GP-22	1324.0	1000	324.0	1037.56	286.40	310	50		155		305	5+	753 to GP-23
	GP-23	1231.6	1100	131.6	1022	210	132.5	35		77		132	5+	329 to GP-8
	GP-24	1118.1	1000	118.1	1058.13	60.0	72	12		40		70	5+	965 to GP-25
	GP-25	1210.9	1000	210.9	1136.23	74.63	88	14		50		80	5+	842 to GP-10

Notes:

- 1) Surface Elevation = ground surface elevation at monitoring well
- 2) Base Refuse Elevation = estimated lowest elevation of 1,000 ft-MSL for Primary Canyon and Main Canyon wells, or
- 3) Base Refuse Elevation = alternative estimated lowest elevation of 1,100 ft-MSL at Canyon B (wells GP-8, GP-9, & GP-23)
- 4) Title 27 Calculated Depth = "Surface Elevation" - "Base Refuse Elevation" (or "none" if negative number)
- 5) Monitoring Probe Depths = base of screened interval (most existing well screen lengths are 5', see Figures for new well details)
- 6) ft-MSL = feet above mean sea level
- 7) ft-bgs = feet below ground surface
- 8) box indicates if boring depth is controlled by "Title 27 Calculated Depth" or "Depth to Groundwater"
- 9) Deep probes in all new wells monitor to total depth of boring (no seal below), or to groundwater if present

Table 2
Latitude and Longitude
Perimeter Gas Monitoring Points

	Well ID	Latitude	Longitude
Existing Wells	GP-A	34 25 33.89963	118 38 43.95357
	GP-2	34 25 33.37447	118 38 47.82941
	GP-8	34 26 02.84643	118 38 09.97164
	GP-9	34 26 07.69354	118 38 10.00867
	GP-10	34 26 18.84484	118 38 35.80068
	GP-11	34 26 14.62055	118 38 50.71673
	GP-12	34 26 13.34590	118 39 01.53621
	GP-13	34 26 06.41415	118 39 06.53249
	GP-14	34 25 56.40841	118 39 07.36156
New Wells	GP-15	34 26 01.09847	118 39 07.27801
	GP-16	34 25 46.84985	118 39 08.70691
	GP-17	34 25 39.39002	118 39 05.50135
	GP-18	34 25 32.37605	118 38 58.57148
	GP-19	34 25 33.42248	118 38 36.55495
	GP-20	34 25 39.58815	118 38 28.34669
	GP-21	34 25 47.78867	118 38 23.88276
	GP-22	34 25 56.58431	118 38 19.90895
	GP-23	34 26 00.04698	118 38 11.95353
	GP-24	34 26 11.23625	118 38 18.85894
	GP-25	34 26 18.88528	118 38 25.75175

