

Attachment G

2019 Landfill Monitoring Results

Compliance Gas Monitoring

Probes Interior Gas Probes

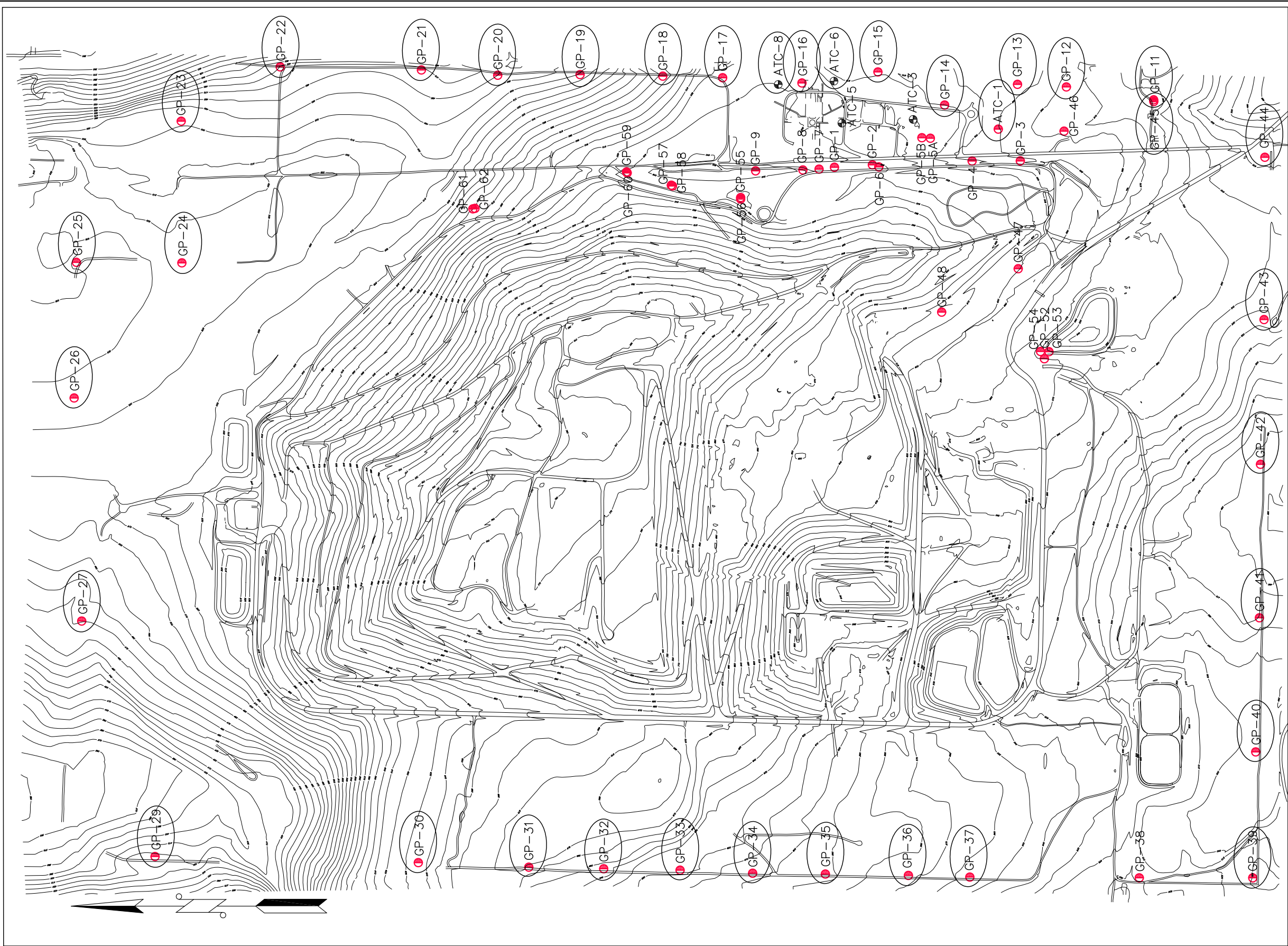
Migration Probes Landfill

Structure Monitoring Passage

Point Monitoring

Landfill Gas Monitoring Data
(1Q2019)

Compliance Probes (1Q2019)



LEGEND

INTERIOR LFG MONITORING PROBES

LFG MIGRATION MONITORING PROBES

GP-61	172389.358	1701669.133	561.42	563.673	563.18	GP61 TOP LID
GP-62	172375.658	1701672.384	563.35	565.703	565.28	GP62 TOP LID
GP-59	171373.815	1701913.385	633.45	635.991	635.45	GP59 TOP LID
GP-60	171369.626	1701906.243	633.68	636.366	635.84	GP60 TOP LID
GP-57	171077.878	1701825.385	637.02	639.432	639.00	GP57 TOP LID
GP-58	171070.016	1701820.583	637.56	640.345	639.81	GP58 TOP LID
GP-56	170619.58	1701733.666	641.07	644.03	643.57	GP56 TOP LID
GP-55	170619.474	1701744.081	640.99	643.621	643.09	GP55 TOP LID

DATE	REVISION	BY

Northing	Easting	Elev	Description	Inst. Date
170,000.33	1,701,942.93	640.02	GP-1 CASE EL	1985/86
169,740.00	1,701,960.00	622.00	GP-2 CASE EL	1985/86
168,758.11	1,701,985.28	594.21	GP-3 CASE EL	1985/86
169,058.18	1,701,972.94	606.19	GP-4 CASE EL	1985/86
169,370.19	1,702,134.95	616.23	GP-5A GRND EL	1988
169,422.02	1,702,138.87	619.63	GP-5B CASE EL	1988
169,731.73	1,701,946.48	635.59	GP-6 CASE EL	1988
170,101.22	1,701,930.58	640.66	GP-7 CASE EL	1988
170,208.37	1,701,925.10	642.67	GP8 CASE EL	1988
170,519.95	1,701,919.34	645.27	GP-9 CASE EL	1988
			GP-10 NOT INSTALLED	1988
167,890.09	1,702,389.27	567.15	GP-11 CASE EL	1988
168,466.64	1,702,473.27	568.08	GP-12 CASE EL	1988
168,790.03	1,702,490.84	588.15	GP-13 CASE EL	1988
169,271.56	1,702,354.75	613.32	GP-14 CASE EL	1988
169,724.93	1,702,446.19	618.75	GP-15 CASE EL	1988
170,214.28	1,702,500.56	630.19	GP-16 CASE EL	1988
170,738.83	1,702,535.09	625.18	GP-17 CASE EL	1988
171,132.85	1,702,543.29	600.83	GP-18 CASE EL	1988
171,634.52	1,702,554.91	544.15	GP-19 CASE EL	1988
172,224.83	1,702,550.70	496.61	GP-20 CASE EL	1988
172,729.15	1,702,584.65	489.79	GP-21 CASE EL	1988
173,662.40	1,702,607.81	374.84	GP-22 CASE EL	1988
174,317.16	1,702,248.74	501.77	GP-23 CASE EL	1988
174,313.44	1,701,311.74	544.72	GP-24 CASE EL	1988
175,011.63	1,701,324.89	533.86	GP-25 CASE EL	1988
175,043.82	1,700,364.55	541.69	GP-26 CASE EL	1988
174,983.78	1,698,935.68	484.75	GP-27 CASE EL	1988
			GP-28 NOT INSTALLED	1988
174,455.39	1,697,385.67	431.05	GP-29 CASE EL	1988
172,787.40	1,697,339.61	644.62	GP-30 CASE EL	1988
172,013.96	1,697,321.72	673.37	GP-31 CASE EL	1988
171,524.28	1,697,308.08	647.57	GP-32 CASE EL	1988
171,017.18	1,697,293.36	625.03	GP-33 CASE EL	1988
170,537.12	1,697,287.04	604.93	GP-34 CASE EL	1988
170,083.32	1,697,286.32	596.28	GP-35 CASE EL	1988
169,510.89	1,697,265.94	574.92	GP-36 CASE EL	1988
169,049.03	1,697,252.08	557.38	GP-37 CASE EL	1988
167,909.72	1,697,243.54	523.57	GP-38 CASE EL	1988
167,239.45	1,697,232.41	541.03	GP-39 CASE EL	1988
167,205.68	1,698,100.32	502.77	GP-40 CASE EL	1988
167,191.96	1,698,965.50	482.97	GP-41 CASE EL	1988
167,183.37	1,699,979.90	457.95	GP-42 CASE EL	1988
167,160.00	1,700,961.11	536.86	GP-43 CASE EL	1988
167,135.28	1,702,007.20	529.11	GP-44 CASE EL	1994
167,888.74	1,702,378.77	567.47	GP-45 CASE EL	1994
168,482.15	1,702,182.52	589.79	GP-46 CASE EL	1994
168,783.75	1,701,272.71	600.07	GP-47 CASE EL	1994
169,289.65	1,700,985.98	616.56	GP-48 CASE EL	1994
168,612.91	1,700,710.62	561.13	GP-52 GRND EL	2001
168,601.99	1,700,711.34	561.02	GP-53 GRND EL	2001
168,617.89	1,700,717.53	561.20	GP-54 GRND EL	2001
168,916.92	1,702,195.87	591.29	GP-ATC-1 GRND EL	1985/86
169,479.79	1,702,259.97	616.25	GP-ATC-3 GRND EL	1985/86
			GP-ATC-4 ABANDONED/REMOVED	
169,950.42	1,702,235.30	625.65	GP-ATC-5 GRND EL	1985/86
170,002.70	1,702,512.99	620.16	GP-ATC-6 GRND EL	1985/86
170,371.26	1,702,490.56	629.94	GP-ATC-8 GRND EL	1985/86

KING COUNTY DEPARTMENT OF NATURAL RESOURCES AND PARKS
SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL
LANDFILL GAS MIGRATION MONITORING PLAN

APPROVED VICTOR O. OKEREKE DATE 03-27-08
RECOMMENDED TOM THENO DATE 03-27-08
DESIGNED N/A DRAWN PHAM / McEWEN
PROJECT NO. _____ SURVEY NO. _____ SHEET 1 OF 1

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

January 2019 Monitoring Data

Location ID	Date/Time	CH4	CO2	O2	Lower Explosive Limit	Static Pressure	Comments
		(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	
ATC-1D	1/24/19 9:11 AM	0	0.4	10.1	0	-0.56	None
ATC-1S	1/24/19 9:10 AM	0	0.1	20.6	0	1.56	None
ATC-6D	1/24/19 10:38 AM	0	0.9	4.4	0	0.8	None
ATC-6S	1/24/19 10:36 AM	0	0.1	20.3	0	0.14	None
ATC-8D	1/24/19 10:27 AM	0	0.1	20	0	-5.98	None
ATC-8S	1/24/19 10:25 AM	0	0.3	17.9	0	-2.55	None
GP-25	1/24/19 2:18 PM	0	2.6	14.3	0	-0.05	None
GP-26	1/24/19 2:22 PM	0	0.8	18.1	0	0.07	None
GP-27	1/24/19 2:26 PM	0	7.2	8.8	0	-0.05	None
GP-39	1/24/19 8:09 AM	1	1.1	17.7	20	-0.03	None
GP-40	1/24/19 8:13 AM	0	0.1	20.1	0	-0.04	None
GP-11A	1/24/19 8:52 AM	0	0	0	0	0	NRH20
GP-11B	1/24/19 8:59 AM	0	0.1	20.8	0	-0.98	None
GP-11C	1/24/19 9:01 AM	0	0.1	20.8	0	-0.84	None
GP-11D	1/24/19 9:02 AM	0	0.1	20.7	0	0	None
GP-12A	1/24/19 9:26 AM	0	0.1	20.9	0	-0.02	None
GP-12B	1/24/19 9:27 AM	0	0.1	20.9	0	-0.07	None
GP-12C	1/24/19 9:29 AM	0	0.1	19.3	0	-0.02	None
GP-12D	1/24/19 9:31 AM	0	0.1	20.9	0	-5.65	None
GP-13A	1/24/19 9:16 AM	0	0.1	20.7	0	-0.04	None
GP-13B	1/24/19 9:18 AM	0	0.1	20.9	0	0.01	None
GP-13C	1/24/19 9:20 AM	0	0.1	21	0	-0.04	None
GP-13D	1/24/19 9:21 AM	0	0.1	21	0	-4.71	None
GP-14A	1/24/19 9:37 AM	0	0.1	20.9	0	-1.62	None
GP-14B	1/24/19 9:39 AM	0	0.1	20.9	0	-1.72	None
GP-15A	1/24/19 10:11 AM	0	0	0	0	0	NRH20
GP-15C	1/24/19 10:16 AM	0	0.1	20.3	0	0.43	None
GP-15D	1/24/19 10:17 AM	0	0.1	20.3	0	-2.56	None
GP-16A	1/24/19 10:30 AM	0	0.1	20.2	0	-2.59	None
GP-16B	1/24/19 10:32 AM	0	0.1	20.2	0	-4.64	None
GP-16C	1/24/19 10:33 AM	0	0.1	20.3	0	-5.13	None
GP-17A	1/24/19 1:27 PM	0	0	0	0	0	NRH20
GP-17B	1/24/19 1:29 PM	0	0.8	14.5	0	-0.03	None
GP-17C	1/24/19 1:31 PM	0	0.1	19.9	0	-4.57	None
GP-18A	1/24/19 1:34 PM	0	0	0	0	0	NRH20
GP-18B	1/24/19 1:36 PM	0	0.3	11.4	0	0.24	None
GP-18C	1/24/19 1:37 PM	0	0.1	20.1	0	-4.63	None
GP-19A	1/24/19 1:40 PM	0	0.1	20.3	0	-0.02	None
GP-19B	1/24/19 1:42 PM	0	0.6	15.1	0	-0.03	None
GP-19C	1/24/19 1:43 PM	0	0.1	20.4	0	-0.42	None
GP-20A	1/24/19 1:46 PM	0	0.1	20.6	0	1.81	None
GP-20B	1/24/19 1:48 PM	0	0.2	19.9	0	0	None
GP-20C	1/24/19 1:49 PM	0	0.2	9.2	0	0.3	None
GP-21A	1/24/19 1:53 PM	0	0.1	20.5	0	-0.18	None
GP-21B	1/24/19 1:54 PM	0	0.1	11	0	-0.05	None
GP-21C	1/24/19 1:55 PM	0	0	0	0	0	NRH20

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

January 2019 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-22A	1/24/19 1:59 PM	0	0.8	19.3	0	0.23	None
GP-22C	1/24/19 2:01 PM	0	0.8	3	0	-5.47	None
GP-23A	1/24/19 2:06 PM	0	0.1	20.5	0	1.55	None
GP-23B	1/24/19 2:07 PM	0	0.1	20.8	0	0.3	None
GP-23C	1/24/19 2:09 PM	0	0.1	20.9	0	0.44	None
GP-24A	1/24/19 2:14 PM	0	0.1	20.9	0	0.35	None
GP-24B	1/24/19 2:15 PM	0	2.6	14.4	0	-0.01	None
GP-29A	1/24/19 2:31 PM	0	1.9	17.5	0	-0.1	None
GP-29B	1/24/19 2:32 PM	0	0.5	20.7	0	-0.08	None
GP-30A	1/24/19 6:47 AM	0	2.3	17.4	0	0.14	None
GP-30B	1/24/19 6:48 AM	0	0.4	19.3	0	-1.42	None
GP-31A	1/24/19 6:54 AM	0	0	0	0	0	NRH20
GP-31B	1/24/19 6:56 AM	0	0.2	19	0	-0.76	None
GP-31C	1/24/19 6:58 AM	0	0.1	20	0	0.05	None
GP-32A	1/24/19 7:22 AM	0	0.5	20.4	0	-0.06	None
GP-32B	1/24/19 7:24 AM	0	0.4	20.1	0	0.42	None
GP-32C	1/24/19 7:31 AM	0	0.1	20.5	0	0	None
GP-33A	1/24/19 7:35 AM	0	0.1	20.4	0	-0.02	None
GP-33B	1/24/19 7:37 AM	0	0.1	20.5	0	0.52	None
GP-33C	1/24/19 7:38 AM	0	0.1	20.6	0	-2.27	None
GP-34A	1/24/19 7:41 AM	0	0	0	0	0	NRH20
GP-34B	1/24/19 7:43 AM	0	0.1	20.7	0	-0.67	None
GP-34C	1/24/19 7:45 AM	0	0.1	20.7	0	-4.97	None
GP-35A	1/24/19 7:48 AM	0	0.3	20.5	0	-1.53	None
GP-35B	1/24/19 7:50 AM	0	0.1	20.5	0	-0.06	None
GP-35C	1/24/19 7:51 AM	0	0.1	20.7	0	-0.12	None
GP-36A	1/24/19 7:55 AM	0	0.1	20.9	0	-0.73	None
GP-36B	1/24/19 7:56 AM	0	0	0	0	0	NRH20
GP-36C	1/24/19 7:58 AM	0	0.3	17.5	0	-4.13	None
GP-37A	1/24/19 8:01 AM	0	0	0	0	0	NRH20
GP-37B	1/24/19 8:02 AM	0	0.1	20.3	0	0.52	None
GP-37C	1/24/19 8:03 AM	0	0.5	6.2	0	-4.61	None
GP-41A	1/24/19 8:17 AM	0	0.1	20.8	0	-0.1	None
GP-41B	1/24/19 8:19 AM	0	0.1	20.8	0	0.24	None
GP-41C	1/24/19 8:20 AM	0	0.1	20.8	0	-0.02	None
GP-42A	1/24/19 8:23 AM	0	0	0	0	0	NRH20
GP-42B	1/24/19 8:26 AM	0	0.6	18.6	0	0.01	None
GP-43A	1/24/19 8:29 AM	0	0.3	17.8	0	0.58	None
GP-43B	1/24/19 8:31 AM	0	0.1	20.8	0	0.04	None
GP-43C	1/24/19 8:33 AM	0	0.1	20.9	0	0.14	None
GP-44A	1/24/19 8:36 AM	0	0.1	20.8	0	0.12	None
GP-44B	1/24/19 8:38 AM	0	0.2	20.6	0	-1.02	None
GP-44C	1/24/19 8:39 AM	0	0.1	20.9	0	0.03	None
GP-45D	1/24/19 8:48 AM	0	0.1	21	0	-0.92	None
GP-45I	1/24/19 8:46 AM	0	0.1	21	0	0.17	None
GP-45S	1/24/19 8:45 AM	0	0.1	20.9	0	0.15	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

February 2019 Monitoring Data

Location ID	Date/Time	CH4	CO2	O2	Lower Explosive Limit	Static Pressure	Comments
		(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	
ATC-1D	2/21/19 10:21 AM	0	0	0	0	0	NR Snow
ATC-1S	2/21/19 10:20 AM	0	0	0	0	0	NR Snow
ATC-6D	2/21/19 11:32 AM	0	0.7	5.4	0	3.76	None
ATC-6S	2/21/19 11:30 AM	0	0.1	20.2	0	-0.05	None
ATC-8D	2/21/19 11:22 AM	0	0	0	0	0	NR Snow
ATC-8S	2/21/19 11:21 AM	0	0	0	0	0	NR Snow
GP-25	2/21/19 9:56 AM	0	1.9	15.5	0	0.01	None
GP-26	2/21/19 9:59 AM	0	0.2	20.6	0	0.02	None
GP-27	2/21/19 10:04 AM	0	4.7	12.9	0	-0.08	None
GP-39	2/21/19 9:13 AM	0	1.2	17.1	0	1.61	None
GP-40	2/21/19 9:17 AM	0	0.1	19.8	0	0.01	None
GP-11A	2/21/19 10:01 AM	0	0.7	18.9	0	0.07	None
GP-11B	2/21/19 10:03 AM	0	0.1	20.2	0	-0.7	None
GP-11C	2/21/19 10:04 AM	0	0	20.3	0	0.02	None
GP-11D	2/21/19 10:06 AM	0	0.1	20.2	0	0.02	None
GP-12A	2/21/19 10:28 AM	0	0.1	20.6	0	-0.07	None
GP-12B	2/21/19 10:29 AM	0	0.1	20.7	0	0	None
GP-12C	2/21/19 10:30 AM	0	0.1	20.8	0	-0.17	None
GP-13A	2/21/19 10:26 AM	0	0.1	20.4	0	0.01	None
GP-13B	2/21/19 10:28 AM	0	0.1	20.4	0	0.01	None
GP-13C	2/21/19 10:30 AM	0	0.1	20.5	0	0.02	None
GP-13D	2/21/19 10:32 AM	0	0.1	20.4	0	-2.49	None
GP-14A	2/21/19 10:38 AM	0	0.1	20.2	0	-0.73	None
GP-14B	2/21/19 10:40 AM	0	0.1	20.2	0	-0.78	None
GP-15A	2/21/19 11:08 AM	0	0.1	20.3	0	-0.01	None
GP-15C	2/21/19 10:31 AM	0	0.1	20.8	0	-2.77	None
GP-15C	2/21/19 11:12 AM	0	0.1	20	0	0.08	None
GP-15D	2/21/19 11:14 AM	0	0.1	20.3	0	-1.02	None
GP-16A	2/21/19 11:24 AM	0	0.1	20.2	0	0.03	None
GP-16B	2/21/19 11:26 AM	0	0.1	20	0	0	None
GP-16C	2/21/19 11:27 AM	0	0.1	20.2	0	-2.92	None
GP-17A	2/21/19 9:02 AM	0	0	0	0	0	NR H2O
GP-17B	2/21/19 9:04 AM	0	0.3	19.2	0	-0.14	None
GP-17C	2/21/19 9:05 AM	0	0.1	20.1	0	-1.89	None
GP-18A	2/21/19 9:08 AM	0	0.1	20.2	0	0.02	None
GP-18B	2/21/19 9:09 AM	0	0.2	19.1	0	-0.02	None
GP-18C	2/21/19 9:10 AM	0	0.1	20	0	-1.18	None
GP-19A	2/21/19 9:13 AM	0	0.1	20.3	0	-0.04	None
GP-19B	2/21/19 9:14 AM	0	0.3	18.3	0	-1.27	None
GP-19C	2/21/19 9:15 AM	0	0.1	20.3	0	-0.1	None
GP-20A	2/21/19 9:23 AM	0	0.1	20.7	0	-0.09	None
GP-20B	2/21/19 9:24 AM	0	0.2	19.7	0	-0.1	None
GP-20C	2/21/19 9:26 AM	0	0.1	18.2	0	-0.09	None
GP-21A	2/21/19 9:29 AM	0	0.1	20.8	0	-0.1	None
GP-21B	2/21/19 9:30 AM	0	0.1	15.2	0	-0.11	None
GP-21C	2/21/19 9:31 AM	0	0.1	20.9	0	-0.12	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

February 2019 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-22A	2/21/19 9:35 AM	0	0.1	21	0	0.4	None
GP-22C	2/21/19 9:36 AM	0	0.1	21	0	-0.02	None
GP-23A	2/21/19 9:45 AM	0	0.1	21	0	0.01	None
GP-23B	2/21/19 9:46 AM	0	0.1	20.9	0	-0.02	None
GP-23C	2/21/19 9:48 AM	0	0.1	20.9	0	-0.15	None
GP-24A	2/21/19 9:51 AM	0	0.1	20.8	0	0.02	None
GP-24B	2/21/19 9:52 AM	0	3.5	11.8	0	0.04	None
GP-29A	2/21/19 10:08 AM	0	1.4	18.3	0	-0.01	None
GP-29B	2/21/19 10:10 AM	0	0.5	20.6	0	-0.04	None
GP-30A	2/21/19 8:11 AM	0	2.4	17	0	1.64	None
GP-30B	2/21/19 8:12 AM	0	0.9	18.8	0	-1.4	None
GP-31A	2/21/19 8:15 AM	0	0	0	0	0	NR H2O
GP-31B	2/21/19 8:16 AM	0	0.3	14.7	0	-0.84	None
GP-31C	2/21/19 8:18 AM	0	1.2	17.5	0	1.83	None
GP-32A	2/21/19 8:22 AM	0	0.6	19.2	0	0.04	None
GP-32B	2/21/19 8:24 AM	0	0.1	20	0	0.05	None
GP-32C	2/21/19 8:25 AM	0	0.3	19.8	0	0.04	None
GP-33A	2/21/19 8:32 AM	0	0.1	20.4	0	0.02	None
GP-33B	2/21/19 8:34 AM	0	0.1	20.5	0	0.03	None
GP-33C	2/21/19 8:35 AM	0	0.1	20.5	0	-0.13	None
GP-34A	2/21/19 8:38 AM	0	0	0	0	0	NR H2O
GP-34B	2/21/19 8:40 AM	0	0.1	20.7	0	-0.18	None
GP-34C	2/21/19 8:42 AM	0	0.1	20.7	0	0.65	None
GP-35A	2/21/19 8:46 AM	0	0.2	20.3	0	-1.12	None
GP-35B	2/21/19 8:47 AM	0	0.1	20.5	0	0.03	None
GP-35C	2/21/19 8:49 AM	0	0.1	20.8	0	0.01	None
GP-36A	2/21/19 8:53 AM	0	0.3	6.7	0	0.05	None
GP-36B	2/21/19 8:55 AM	0	0.1	20.1	0	0.02	None
GP-36C	2/21/19 8:56 AM	0	0.1	20.9	0	-0.15	None
GP-37A	2/21/19 9:00 AM	0	0.1	21	0	0.01	None
GP-37B	2/21/19 9:04 AM	0	0	0	0	0	NR H2O
GP-37C	2/21/19 9:06 AM	0	0.3	10.8	0	-1.32	None
GP-41A	2/21/19 9:20 AM	0	0.1	20.4	0	0.03	None
GP-41B	2/21/19 9:21 AM	0	0.1	20.4	0	0.01	None
GP-41C	2/21/19 9:23 AM	0	0.1	20.4	0	0.02	None
GP-42A	2/21/19 9:29 AM	0	0.1	20.2	0	0.04	None
GP-42B	2/21/19 9:30 AM	0	0.4	18.1	0	-1.19	None
GP-43A	2/21/19 9:36 AM	0	0.1	20.2	0	0.01	None
GP-43B	2/21/19 9:37 AM	0	0	20.2	0	0.02	None
GP-43C	2/21/19 9:39 AM	0	0.1	20.2	0	0.04	None
GP-44A	2/21/19 9:45 AM	0	0.1	20.2	0	2.18	None
GP-44B	2/21/19 9:47 AM	0	0.6	13.9	0	2.43	None
GP-44C	2/21/19 9:48 AM	0	0	20.2	0	0.03	None
GP-45D	2/21/19 9:58 AM	0	0	20.3	0	1.55	None
GP-45I	2/21/19 9:56 AM	0	0	20.2	0	0.03	None
GP-45S	2/21/19 9:55 AM	0	0.1	20.2	0	0.08	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

March 2019 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	3/12/19 12:01 PM	0	0.2	15.1	0	0.23	None
ATC-1S	3/12/19 12:00 PM	0	0.1	20.3	0	0.11	H2O @ 35 SECONDS
ATC-6D	3/12/19 12:58 PM	0	0.9	2.3	0	5.68	None
ATC-6S	3/12/19 12:56 PM	0	0.1	20.1	0	0.07	None
ATC-8D	3/12/19 1:03 PM	0	0.4	18.9	0	0	H2O @ 40 SECONDS
ATC-8S	3/12/19 1:01 PM	0	0.2	17.7	0	0.75	None
GP-25	3/12/19 3:46 PM	0	2.4	13.6	0	0.38	None
GP-26	3/12/19 3:49 PM	0	0.8	17.9	0	0	None
GP-27	3/12/19 3:52 PM	0	6.4	8.8	0	-3.68	None
GP-39	3/12/19 10:46 AM	0	0.8	17.4	0	-0.15	None
GP-40	3/12/19 10:50 AM	0	0	18.1	0	0.04	None
GP-11A	3/12/19 11:49 AM	0	0.1	20.3	0	0.28	None
GP-11B	3/12/19 11:51 AM	0	0.6	13	0	0.21	None
GP-11C	3/12/19 11:52 AM	0	0.1	13	0	0.16	None
GP-11D	3/12/19 11:53 AM	0	0.1	20.2	0	0.11	None
GP-12A	3/12/19 12:14 PM	0	0.1	21	0	-0.02	None
GP-12B	3/12/19 12:15 PM	0	0.1	21	0	-0.02	None
GP-12C	3/12/19 12:16 PM	0	0.1	17	0	-0.69	None
GP-12D	3/12/19 12:17 PM	0	0.7	4.5	0	1.99	None
GP-13A	3/12/19 12:06 PM	0	0.1	20.7	0	0	None
GP-13B	3/12/19 12:07 PM	0	0.1	20.9	0	0	None
GP-13C	3/12/19 12:09 PM	0	0.1	20.8	0	0	None
GP-13D	3/12/19 12:10 PM	0	0.1	20.8	0	1.47	None
GP-14A	3/12/19 12:24 PM	0	0.1	20.3	0	0.43	None
GP-14B	3/12/19 12:25 PM	0	0.1	20.7	0	0.21	None
GP-15A	3/12/19 12:36 PM	0	0.2	21	0	-0.03	None
GP-15C	3/12/19 12:37 PM	0	1.1	15.6	0	-0.2	None
GP-15D	3/12/19 12:38 PM	0	0.1	21	0	-1.9	None
GP-16A	3/12/19 12:51 PM	0	0.1	20.4	0	0.04	None
GP-16B	3/12/19 12:52 PM	0	0.2	18.9	0	-0.1	None
GP-16C	3/12/19 12:54 PM	0	0.8	14.7	0	1.53	None
GP-17A	3/12/19 2:58 PM	0	0	0	0	0	NR H2O
GP-17B	3/12/19 3:00 PM	0	0.9	15.5	0	0	None
GP-17C	3/12/19 3:01 PM	0	0.1	19.5	0	1.15	None
GP-18A	3/12/19 3:03 PM	0	0	0	0	0	NR H2O
GP-18B	3/12/19 3:05 PM	0	0.4	11.4	0	0.06	None
GP-18C	3/12/19 3:06 PM	0	0.2	17.1	0	1.42	None
GP-19A	3/12/19 3:09 PM	0	0.1	19.8	0	-0.06	None
GP-19B	3/12/19 3:10 PM	0	0.7	14.5	0	0.16	None
GP-19C	3/12/19 3:12 PM	0	0.1	19.8	0	0.03	None
GP-20A	3/12/19 3:15 PM	0	0.1	20	0	0.24	None
GP-20B	3/12/19 3:16 PM	0	0.3	16.1	0	-0.02	None
GP-20C	3/12/19 3:17 PM	0	0.2	6.1	0	0.25	None
GP-21A	3/12/19 3:20 PM	0	0.1	19.7	0	-0.07	None
GP-21B	3/12/19 3:22 PM	0	0.1	10.2	0	-0.03	None
GP-21C	3/12/19 3:22 PM	0	0	0	0	0	NR H2O

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

March 2019 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-22A	3/12/19 3:26 PM	0	0.5	19.6	0	2.65	None
GP-22C	3/12/19 3:28 PM	0	0.9	2.7	0	0.34	None
GP-23A	3/12/19 3:36 PM	0	0.1	19.9	0	0.26	None
GP-23B	3/12/19 3:38 PM	0	0.1	20	0	1.93	None
GP-23C	3/12/19 3:39 PM	0	0.1	20.1	0	0.56	None
GP-24A	3/12/19 3:42 PM	0	4.3	11.7	0	-0.02	None
GP-24B	3/12/19 3:44 PM	0	0.3	19.5	0	-0.03	None
GP-29A	3/12/19 3:57 PM	0	2.3	15.9	0	0	None
GP-29B	3/12/19 3:58 PM	0	0.6	19.6	0	0	None
GP-30A	3/12/19 8:24 AM	0	2.2	18.5	0	8.07	None
GP-30B	3/12/19 8:26 AM	0	0.9	19.7	0	0.14	None
GP-31A	3/12/19 8:30 AM	0	0	0	0	0	NR H2O
GP-31B	3/12/19 8:31 AM	0	0.3	15.6	0	1.77	None
GP-31C	3/12/19 8:32 AM	0	0.1	20.6	0	-0.02	None
GP-32A	3/12/19 8:37 AM	0	0.6	19.5	0	0	None
GP-32B	3/12/19 8:38 AM	0	0.2	20.9	0	0	None
GP-32C	3/12/19 8:39 AM	0	0.3	20.9	0	0	None
GP-33A	3/12/19 8:42 AM	0	0.2	20.9	0	0	None
GP-33B	3/12/19 8:43 AM	0	0.1	21	0	-0.09	None
GP-33C	3/12/19 8:44 AM	0	0.7	19.5	0	0.3	None
GP-34A	3/12/19 8:48 AM	0	0	0	0	0	NR H2O
GP-34B	3/12/19 8:49 AM	0	0.2	18.4	0	0	None
GP-34C	3/12/19 8:50 AM	0	0.1	19	0	2.06	None
GP-35A	3/12/19 8:54 AM	0	0.1	20.8	0	-1.63	None
GP-35B	3/12/19 8:55 AM	0	0.1	20.9	0	0	None
GP-35C	3/12/19 8:57 AM	0	0.1	21	0	0.11	None
GP-36A	3/12/19 9:35 AM	0	0.2	15.4	0	-0.08	None
GP-36B	3/12/19 9:35 AM	0	0	0	0	0	NR H2O
GP-36C	3/12/19 9:37 AM	0	0.2	13.5	0	2.76	None
GP-37A	3/12/19 9:39 AM	0	0.2	14.2	0	-1.77	None
GP-37B	3/12/19 9:40 AM	0	0.1	19.7	0	0	None
GP-37C	3/12/19 9:41 AM	0	0.6	1.6	0	3.03	None
GP-41A	3/12/19 10:53 AM	0	0.1	19.9	0	0.05	None
GP-41B	3/12/19 10:54 AM	0	0.1	20	0	0.09	None
GP-41C	3/12/19 10:55 AM	0	0.1	20	0	0.04	None
GP-42A	3/12/19 10:57 AM	0	0	0	0	0	NR H2O
GP-42B	3/12/19 10:59 AM	0	0.5	17.6	0	0.72	None
GP-43A	3/12/19 11:02 AM	0	0.1	20.1	0	0	None
GP-43B	3/12/19 11:03 AM	0	0	20.3	0	0	None
GP-43C	3/12/19 11:04 AM	0	0.1	19.4	0	0.08	None
GP-44A	3/12/19 11:07 AM	0	0.2	20.2	0	-2.51	None
GP-44B	3/12/19 11:09 AM	0	0.5	13.5	0	0.31	None
GP-44C	3/12/19 11:10 AM	0	0.1	20.4	0	0	None
GP-45D	3/12/19 11:48 AM	0	0.1	19.5	0	0.38	None
GP-45I	3/12/19 11:47 AM	0	0.1	17.4	0	0	None
GP-45S	3/12/19 11:45 AM	0	0.1	20.4	0	0.04	None

Interior Probes
(1Q2019)

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Interior Probes

January 2019 Monitoring Data

Location ID	Date/Time	CH ₄	CO ₂	O ₂	Lower Explosive Limit	Static Pressure	Comments
		(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	
ATC-3D	1/24/19 9:46 AM	0.0	0.0	0	0	0	NRH20
ATC-3S	1/24/19 9:45 AM	0.0	1.1	15.1	0	-6.86	None
GP-1A	1/23/19 9:14 PM	0.0	0.1	21	0	-0.03	None
GP-1B	1/23/19 9:16 PM	0.0	0.1	21	0	-0.04	None
GP-2A	1/23/19 9:36 PM	0.0	5.4	6	0	-0.03	None
GP-2B	1/23/19 9:37 PM	0.0	0.2	21	0	-0.01	None
GP-3	1/23/19 9:50 PM	0.0	4.8	13.9	0	-1.2	None
GP-46D	1/23/19 9:57 PM	0.0	0.1	21	0	-3.43	None
GP-46I	1/23/19 9:56 PM	0.0	0.1	21	0	-4.67	None
GP-46S	1/23/19 9:54 PM	0.0	0.1	21	0	-0.23	None
GP-47D	1/24/19 11:16 AM	0.0	1.0	11.6	0	-0.5	None
GP-47I	1/24/19 11:15 AM	14.1	9.5	9.7	>>>>	-4.09	None
GP-47S	1/24/19 11:13 AM	0.0	0.1	20.6	0	-3.86	None
GP-48D	1/23/19 10:06 PM	0.0	0.1	21	0	-4.71	None
GP-48I	1/23/19 10:04 PM	0.0	0.2	21	0	-0.14	None
GP-48S	1/23/19 10:03 PM	0.0	0.2	21	0	-0.11	None
GP-4A	1/23/19 9:41 PM	0.0	0.1	21	0	-0.02	None
GP-4B	1/23/19 9:43 PM	0.0	0.1	21	0	0.02	None
GP-52	1/24/19 10:59 AM	0.0	0.1	20.7	0	0.19	None
GP-53	1/24/19 11:00 AM	0.0	0.4	19.7	0	-0.93	None
GP-54	1/24/19 11:02 AM	0.0	0.1	20.7	0	-1.59	None
GP-55	1/23/19 8:58 PM	0.5	0.5	21	10	-4.66	None
GP-56	1/23/19 9:00 PM	0.0	0.8	21	0	-0.47	None
GP-57	1/23/19 8:51 PM	43.8	23.4	3.3	>>>>	-18.8	None
GP-58	1/23/19 8:54 PM	0.0	18.6	3.9	0	21.24	None
GP-59	1/23/19 8:44 PM	0.0	0.1	21	0	-3.05	None
GP-5A	1/24/19 10:42 AM	0.0	0.1	20.1	0	-6.69	None
GP-5BA	1/24/19 10:45 AM	0.0	0.0	0	0	0	NRH20
GP-5BB	1/24/19 10:48 AM	0.0	0.1	20.6	0	-6.71	None
GP-5BC	1/24/19 10:49 AM	0.0	0.1	20.7	0	-6.73	None
GP-5BD	1/24/19 10:51 AM	0.0	0.1	20.7	0	-5.99	None
GP-60	1/23/19 8:46 PM	0.0	0.2	21	0	0.01	None
GP-61	1/23/19 8:31 PM	0.0	0.1	20.9	0	-2.55	None
GP-62	1/23/19 8:33 PM	0.0	1.9	19.3	0	-0.01	None
GP-6A	1/23/19 9:20 PM	0.0	0.1	21	0	-6.49	None
GP-6B	1/23/19 9:21 PM	0.0	0.1	21	0	-4.62	None
GP-6C	1/23/19 9:23 PM	0.0	0.1	21	0	-4.61	None
GP-6D	1/23/19 9:24 PM	0.0	0.1	21	0	-5.3	None
GP-6E	1/23/19 9:25 PM	0.0	0.1	21	0	-4.65	None
GP-6F	1/23/19 9:27 PM	0.0	0.1	21	0	-4.61	None
GP-6G	1/23/19 9:28 PM	0.0	0.1	21	0	-4.63	None
GP-6H	1/23/19 9:30 PM	0.0	0.1	21	0	-5.25	None
GP-7	1/23/19 9:11 PM	0.0	0.1	21	0	-4.86	None
GP-8	1/23/19 9:05 PM	0.0	0.2	21	0	-4.84	None
GP-9	1/23/19 8:39 PM	0.0	0.2	21	0	-4.77	None
GP-B4-1	1/23/19 9:46 PM	0.0	1.5	20.1	0	-5.59	None
GP-B4-2	1/23/19 9:47 PM	0.0	0.1	21	0	-4.12	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Interior Probes

February 2019 Monitoring Data

Location ID	Date/Time	CH ₄	CO ₂	O ₂	Lower Explosive Limit	Static Pressure	Comments
		(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	
ATC-3D	2/21/2019	0.0	1.1	14.1	0	-2.58	None
ATC-3S	2/21/2019	0.0	1.3	11.4	0	-3.92	None
GP-1A	2/22/2019	0.0	0.0	21	0	0.07	None
GP-1B	2/22/2019	0.0	0.1	21	0	0.87	None
GP-2A	2/22/2019	0.0	3.8	8.9	0	0.02	None
GP-2B	2/22/2019	0.0	0.1	21	0	-0.02	None
GP-3	2/22/2019	0.0	1.9	19.1	0	8.71	NR H2O
GP-46D	2/22/2019	0.0	0.1	21	0	-0.51	None
GP-46I	2/22/2019	0.0	0.1	21	0	-0.6	None
GP-46S	2/22/2019	0.0	0.1	18.6	0	-0.31	None
GP-47D	2/21/2019	0.0	0.9	14.1	0	-0.4	None
GP-47I	2/21/2019	59.3	25.7	0.3	>>>>	-2.3	None
GP-47S	2/21/2019	0.0	0.1	20	0	-1.84	None
GP-48D	2/22/2019	0.0	0.1	21	0	-0.58	None
GP-48I	2/22/2019	0.0	0.2	20.7	0	-0.13	None
GP-48S	2/22/2019	0.0	0.3	18.9	0	-0.16	None
GP-4A	2/22/2019	0.0	0.1	21	0	0.05	None
GP-4B	2/22/2019	0.0	0.1	21	0	0.01	None
GP-52	2/21/2019	0.0	0.1	19.7	0	0.11	None
GP-53	2/21/2019	0.0	0.1	15.7	0	-0.69	None
GP-54	2/21/2019	0.0	0.1	19.7	0	-0.23	None
GP-55	2/22/2019	10.7	1.8	12.9	>>>>	-0.6	None
GP-56	2/22/2019	0.2	0.8	20.8	4	0.02	None
GP-57	2/22/2019	47.7	26.8	1.2	>>>>	-12.47	None
GP-58	2/22/2019	0.0	20.5	2.4	0	-11.59	None
GP-59	2/22/2019	0.0	0.1	20.4	0	0.06	None
GP-5A	2/21/2019	0.0	0.0	0	0	0	NR H2O
GP-5BA	2/21/2019	0.0	0.3	19.4	0	-7.84	None
GP-5BB	2/21/2019	0.0	0.1	20.2	0	-3.81	None
GP-5BC	2/21/2019	0.0	0.1	20.3	0	-0.82	None
GP-5BD	2/21/2019	0.0	0.1	20.3	0	-3.37	None
GP-60	2/22/2019	0.0	0.1	20.5	0	0.06	None
GP-61	2/22/2019	0.0	0.0	20.3	0	-0.27	None
GP-62	2/22/2019	0.0	1.8	19.1	0	0.08	None
GP-6A	2/22/2019	0.0	0.0	21	0	-2.16	None
GP-6B	2/22/2019	0.0	0.1	21	0	-0.56	None
GP-6C	2/22/2019	0.0	0.1	21	0	-0.72	None
GP-6D	2/22/2019	0.0	0.0	21	0	-1.02	None
GP-6E	2/22/2019	0.0	0.1	21	0	-0.77	None
GP-6F	2/22/2019	0.0	0.1	21	0	-0.89	None
GP-6G	2/22/2019	0.0	0.0	21	0	-0.95	None
GP-6H	2/22/2019	0.0	0.1	21	0	-1.15	None
GP-7	2/22/2019	0.0	0.1	21	0	-0.59	None
GP-8	2/22/2019	0.0	0.1	21	0	-0.7	None
GP-9	2/22/2019	0.0	0.0	20.4	0	-0.5	None
GP-B4-1	2/22/2019	0.0	2.2	19.1	0	-1.56	None
GP-B4-2	2/22/2019	0.0	0.1	21	0	-0.82	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Interior Probes

March 2019 Monitoring Data

Location ID	Date/Time	CH ₄	CO ₂	O ₂	Lower Explosive Limit	Static Pressure	Comments
		(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	
ATC-3D	3/12/2019	0.0	0.0	0	0	0	NR H2O
ATC-3S	3/12/2019	0.0	1.7	8.3	0	1.48	None
GP-1A	3/13/2019	0.0	0.1	20.9	0	-0.16	None
GP-1B	3/13/2019	0.0	0.1	20.9	0	-0.1	None
GP-2A	3/13/2019	0.0	4.8	7.4	0	-0.32	None
GP-2B	3/13/2019	0.0	0.2	20.9	0	-0.22	None
GP-3	3/13/2019	0.0	3.8	15.3	0	-0.29	None
GP-46D	3/13/2019	0.0	0.1	21	0	-3.46	None
GP-46I	3/13/2019	0.0	0.1	21	0	-3.47	None
GP-46S	3/13/2019	0.0	0.1	20.9	0	-0.21	None
GP-47D	3/12/2019	0.0	2.1	9.1	0	2.14	None
GP-47I	3/12/2019	35.7	18.8	3.8	>>>>	1.63	None
GP-47S	3/12/2019	53.7	23.3	0.2	>>>>	2.2	None
GP-48D	3/13/2019	0.0	0.1	20.8	0	-4.06	None
GP-48I	3/13/2019	0.0	0.1	20.8	0	-0.33	None
GP-48S	3/13/2019	0.0	0.2	20	0	-0.33	None
GP-4A	3/13/2019	0.0	0.1	21	0	-0.21	None
GP-4B	3/13/2019	0.0	0.1	20.9	0	-0.16	None
GP-52	3/12/2019	0.0	0.1	19.4	0	0.03	None
GP-53	3/12/2019	0.0	0.3	18.9	0	0.46	None
GP-54	3/12/2019	0.0	4.1	15.4	0	0.09	None
GP-55	3/13/2019	0.0	0.2	21	0	-4.57	None
GP-56	3/13/2019	0.0	0.3	21	0	-0.16	None
GP-57	3/13/2019	8.8	4.9	17.5	>>>>	-10.83	None
GP-58	3/13/2019	0.0	7.3	16	0	-9.91	None
GP-59	3/13/2019	0.0	0.1	20.9	0	-3.15	None
GP-5A	3/12/2019	0.0	0.7	9.8	0	1.41	None
GP-5BA	3/12/2019	0.0	0.0	0	0	0	NR H2O
GP-5BB	3/12/2019	0.0	1.4	18.3	0	1.37	None
GP-5BC	3/12/2019	0.0	0.8	12.4	0	1.35	None
GP-5BD	3/12/2019	0.0	1.0	11.4	0	1.34	None
GP-60	3/13/2019	0.0	0.2	20.8	0	-0.09	None
GP-61	3/13/2019	0.0	0.1	20.9	0	-2.45	None
GP-62	3/13/2019	0.0	1.7	19.7	0	-0.03	None
GP-6A	3/13/2019	0.0	0.1	21	0	-5.26	None
GP-6B	3/13/2019	0.0	0.1	21	0	-4.62	None
GP-6C	3/13/2019	0.0	0.1	21	0	-4.52	None
GP-6D	3/13/2019	0.0	0.1	21	0	-5.22	None
GP-6E	3/13/2019	0.0	0.1	21	0	-4.54	None
GP-6F	3/13/2019	0.0	0.1	20.9	0	-4.57	None
GP-6G	3/13/2019	0.0	0.1	21	0	-4.56	None
GP-6H	3/13/2019	0.0	0.1	21	0	-5.24	None
GP-7	3/13/2019	0.0	0.1	21	0	-4.79	None
GP-8	3/13/2019	0.0	0.1	21	0	-4.71	None
GP-9	3/13/2019	0.0	0.1	21	0	-4.64	None
GP-B4-1	3/13/2019	0.0	1.9	18.6	0	-5.2	None
GP-B4-2	3/13/2019	0.0	0.1	20.9	0	-4.09	None

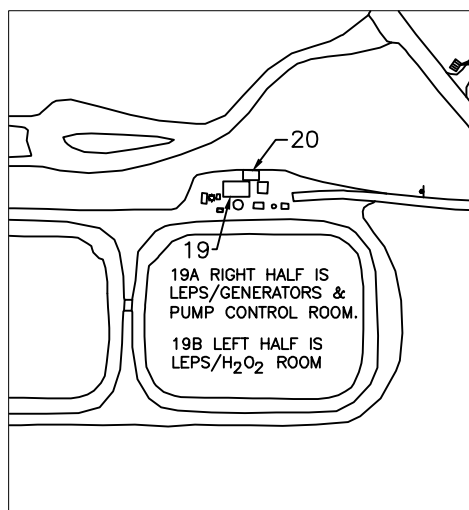
Migration Probes (1Q2019)

CEDAR HILLS REGIONAL LANDFILL
West Perimeter Landfill Gas Migration Control Probes
First Quarter 2019 Monitoring Data

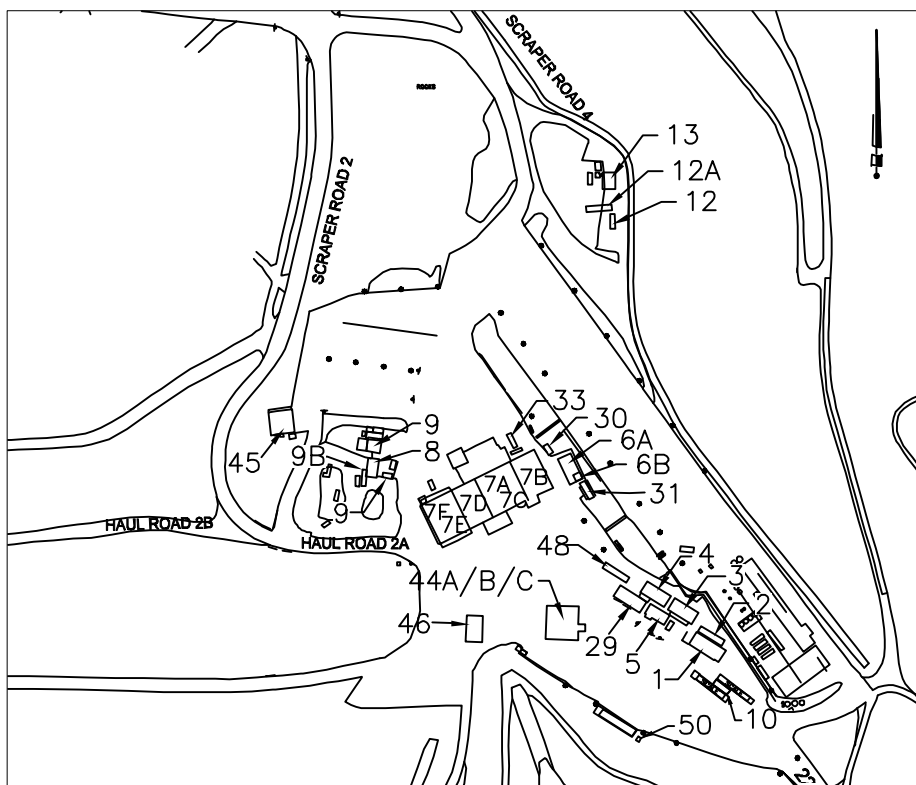
Probe ID	Date	Time	Barometric	CH4 %vol	CO2 %vol	O2 %vol	Static	Comments
			Pressure in Hg				Pressure in INWC	
MGPW 1700	1/11/2019	10:42 AM	29.93	0.0	0.2	20.8	-0.1	
MGPW 1700	1/25/2019	10:52 AM	30.34	0.0	0.3	21.0	-0.22	
MGPW 1700	2/20/2019	12:59 PM	29.81	0.0	0.3	20.1	0	
MGPW 1700	3/8/2019	10:20 AM	29.93	0.0	0.2	20.6	-0.91	
MGPW 1700	3/22/2019	10:24 AM	29.87	0.0	0.3	19.4	0.01	
MGPW 1708	1/11/2019	10:31 AM	29.93	0.0	0.2	20.9	-0.1	
MGPW 1708	1/25/2019	10:44 AM	30.34	0.0	0.3	21.0	-2.12	
MGPW 1708	2/20/2019	1:09 PM	29.81	0.0	0.2	20.6	-0.24	
MGPW 1708	3/8/2019	10:15 AM	29.93	0.0	0.4	20.5	-0.98	
MGPW 1708	3/22/2019	10:15 AM	29.87	0.0	0.2	19.5	0.29	
MGPW 1710S	1/11/2019	10:24 AM	29.93	0.0	0.0	21.0	-0.92	
MGPW 1710S	1/25/2019	10:35 AM	30.34	0.0	0.2	21.0	-1.82	
MGPW 1710S	2/20/2019	1:15 PM	29.81	0.0	0.2	20.8	-0.26	
MGPW 1710S	3/8/2019	10:07 AM	29.93	0.0	0.2	20.7	-0.84	
MGPW 1710S	3/22/2019	10:06 AM	29.87	0.0	0.3	19.6	0.29	
MGPW 1710D	1/11/2019	10:26 AM	29.93	0.0	0.0	20.9	-0.9	
MGPW 1710D	1/25/2019	10:36 AM	30.34	0.0	0.2	21.0	-1.97	
MGPW 1710D	2/20/2019	1:18 PM	29.81	0.0	0.1	21.0	-0.26	
MGPW 1710D	3/8/2019	10:05 AM	29.93	0.0	0.2	21.0	-0.9	
MGPW 1710D	3/22/2019	10:08 AM	29.87	0.0	0.3	20.0	0.33	
MGPW 1714	1/11/2019	10:16 AM	29.93	0.0	0.0	20.8	-0.91	
MGPW 1714	1/25/2019	10:28 AM	30.35	0.0	0.1	21.0	-1.83	
MGPW 1714	2/20/2019	1:28 PM	29.81	0.0	0.2	21.0	-0.22	
MGPW 1714	3/8/2019	10:00 AM	29.93	0.0	0.2	20.6	-0.91	
MGPW 1714	3/22/2019	10:00 AM	29.87	0.0	0.2	19.5	0.2	

On-Site Building Monitoring (1Q2019)

Aeration Ponds



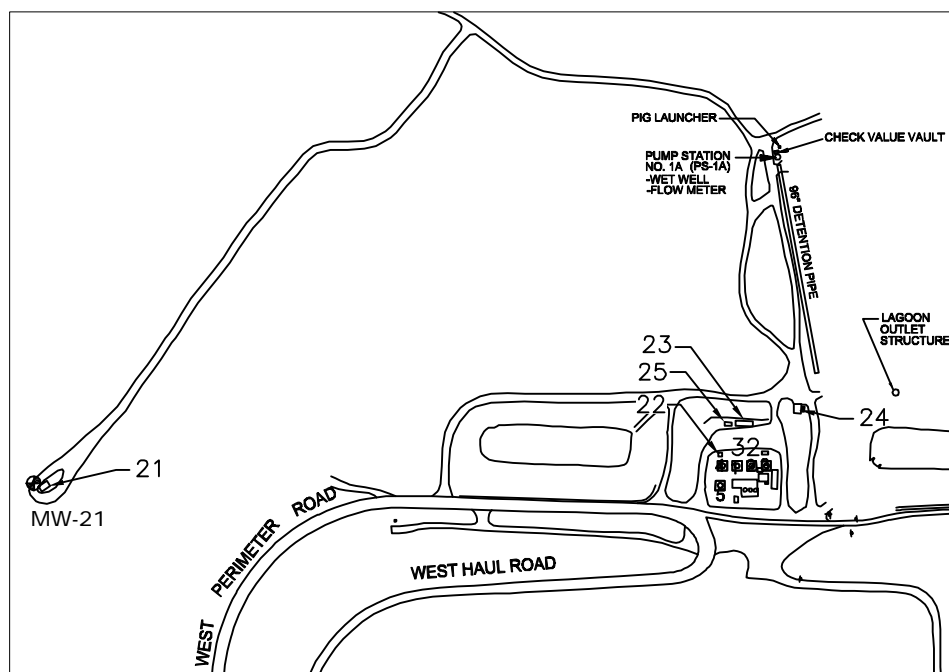
Shop and Office Buildings



BUILDING NO.	EO Description
1	Front Office
2	Conference Room
3	Vacant (Old Payroll Trailer)
4	Engineering Trailer
5	Lunch Room Trailer
6A	Dry Storage
6B	Electrician Office
7	Maintenance Shop
7A	Shop Office
7B	Stores—Shipping/Receiving
7C	Trailer Bay and Pit Area
7D	Tire Shop and Trailer Bay
7E	East Weld Shop
7F	West Weld Shop
8	Carpenter's Shop
9	Wastewater Shed
9B	Carpenter Storage
10	Scale House
11	New Eqpt. Operator's Trailer
12	EQ. Operator's Trailer (Old)
13	WW Compressor
16	Generator (Not Shown)
19	LEPS (P.S. #5)
19A	LEPS Pump Control Room
19B	LEPS/H ₂ O ₂ room
20	LEPS, Elec Panels
21	Storage(Old PS1)
22	Storage/N.Flare
23	LFGAS Office
24	NE Generator Bldg.
25	Storage BLDG. @ N.F.S.
29	OPS Administration Office
30	Women Brk Rm.
31	Landfill Leads/Accts Payable
32	North Flare Station
33	SPOC trailer
44A	Truck Wash West Restroom
44B	Truck Wash East Restroom
44C	Pressure Wash Room
45	Heavy Equipment Canopy
46	Fuel Island
48	Operations Planning
49	CCG Faster (Not Shown)
50	Chlorine Shed

CEDAR HILLS REGIONAL LANDFILL BUILDING NUMBERS

North Flare Station



Source: KCSWD, February 2012



King County

Landfill Gas Structure Monitoring Location

Environmental Monitoring Sampling and Analysis Plan
Cedar Hills Regional Landfill, King County, Washington

DATE:
February 2012

DESIGNED BY:

DRAWN BY:

REVISED BY:

PROJECT NO.

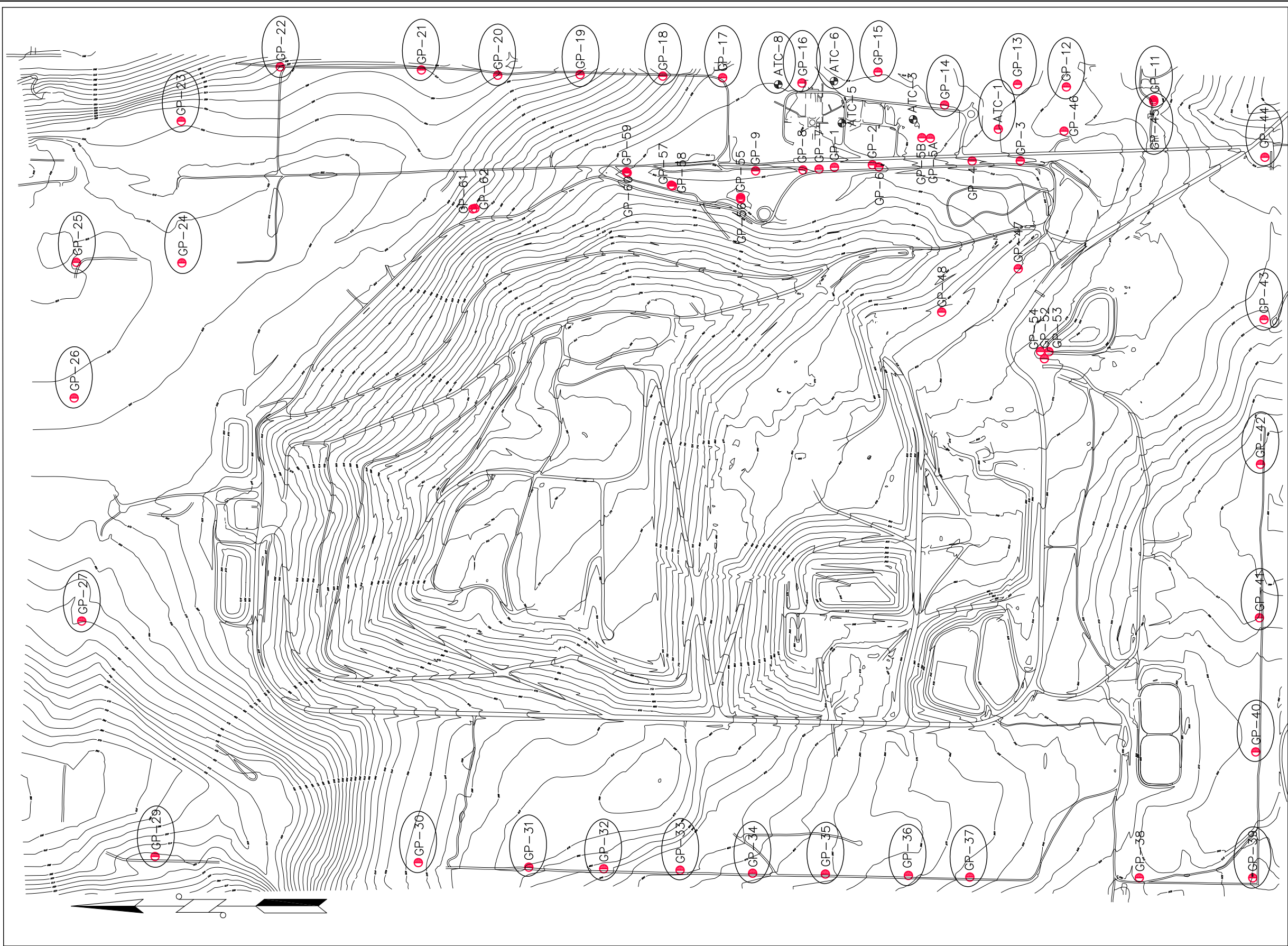
FIGURE NO.

**FIRST QUARTER
BUILDING MONITORING**

 King County	INSTRUMENT: Place check by instrument used :			WEATHER:		DATE: 01/26/19	
	Foxboro TVA 1000 (sn. 301)			CLEAR		TECH: DNS	
	Foxboro TVA 1000 (sn. 732)			x			
ENVIS ID	BLDG #	DESCRIPTION	CH ₄ (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME	
GOC- 01/26/19	1	FRONT OFFICE	0		30.26	9:45 PM	
GCR- 01/26/19	2	CONF ROOM	0				
GAO- 01/26/19	3	PAYROLL OFFICE	0				
GEO- 01/26/19	4	ENGR. OFFICE	0				
GLRC- 01/26/19	5	LUNCHROOM	0				
GSPC 01/26/19		SPOC	0				
GELO- 01/26/19 A	6A	DRY STORAGE	0	PARTIALLY BLOCKED			
GELO- 01/26/19 B	6B	ELECTRICIAN OFFICE	0	PARTIALLY BLOCKED			
GAP- 01/26/19		ACCOUNT PAYABLE	0				
GSO- 01/26/19 A	7A	SHOP OFFICE	0				
GPR- 01/26/19 B	7B	PARTS ROOM	0				
GMS- 01/26/19 C	7C	SHOP PIT AREA/BAY	0				
GTB- 01/26/19 D	7D	SHOP TIRE BAY	0				
GEW- 01/26/19 E	7E	EAST WELD SHOP	0				
GWW- 01/26/19 F	7F	WEST WELD SHOP	0				
GCS- 01/26/19	8	CARPENTER'S	0				
GSS- 01/26/19	9	WASTEWATER	0				
GSS- 01/26/19 B	9B	CARPENTER/STORAGE	n/a	STRUCTURE REMOVED			
GSH- 01/26/19	10	SCALEHOUSE	0				
GB13- 01/26/19	13	WW COMPRESSOR	0				
GB16- 01/26/19	16	GENERATOR	0	PARTIALLY BLOCKED			
GB19- 01/26/19	19	LEPS (P.S.# 5)	0	PARTIALLY BLOCKED			
GB19- 01/26/19 B	19B	LEPS/H ₂ O ₂ ROOM	0	PARTIALLY BLOCKED			
GB20- 01/26/19	20	LEPS ELEC PANALS	0	PARTIALLY BLOCKED			
GB21- 01/26/19	21	STORAGE(OLD PS 1)	n/a	OFF LIMITS			
GB22- 01/26/19	22	STORAGE/N FLARE	n/a	STRUCTURE REMOVED			
GB23- 01/26/19	23	LFGAS	0				
GB24- 01/26/19	24	NE GENERATOR BLDG	0				
GBWW- 01/26/19	30	WOMEN BRK RM	0				
GPWT- 01/26/19	PW	PRESSURE WASH RM	0				
GBRR- 01/26/19	RR	TRUCKWASH RR W	0				
GBSS- 01/26/19	SS	TRUCKWASH RR E	0				
GBZZ- 01/26/19	29	MANAGERS TRAILER	0				
GBPT- 01/26/19		CCG FASTER	0				
GCLS- 01/26/19		CHLORINE SHED	0				

Landfill Gas Monitoring Data
(2Q2019)

Compliance Probes (2Q2019)



LEGEND

INTERIOR LFG MONITORING PROBES

LFG MIGRATION MONITORING PROBES

GP-61	172389.358	1701669.133	561.42	563.673	563.18	GP61 TOP LID
GP-62	172375.658	1701672.384	563.35	565.703	565.28	GP62 TOP LID
GP-59	171373.815	1701913.385	633.45	635.991	635.45	GP59 TOP LID
GP-60	171369.626	1701906.243	633.68	636.366	635.84	GP60 TOP LID
GP-57	171077.878	1701825.385	637.02	639.432	639.00	GP57 TOP LID
GP-58	171070.016	1701820.583	637.56	640.345	639.81	GP58 TOP LID
GP-56	170619.58	1701733.666	641.07	644.03	643.57	GP56 TOP LID
GP-55	170619.474	1701744.081	640.99	643.621	643.09	GP55 TOP LID

DATE	REVISION	BY

Northing	Easting	Elev	Description	Inst. Date
170,000.33	1,701,942.93	640.02	GP-1 CASE EL	1985/86
169,740.00	1,701,960.00	622.00	GP-2 CASE EL	1985/86
168,758.11	1,701,985.28	594.21	GP-3 CASE EL	1985/86
169,058.18	1,701,972.94	606.19	GP-4 CASE EL	1985/86
169,370.19	1,702,134.95	616.23	GP-5A GRND EL	1988
169,422.02	1,702,138.87	619.63	GP-5B CASE EL	1988
169,731.73	1,701,946.48	635.59	GP-6 CASE EL	1988
170,101.22	1,701,930.58	640.66	GP-7 CASE EL	1988
170,208.37	1,701,925.10	642.67	GP8 CASE EL	1988
170,519.95	1,701,919.34	645.27	GP-9 CASE EL	1988
			GP-10 NOT INSTALLED	1988
167,890.09	1,702,389.27	567.15	GP-11 CASE EL	1988
168,466.64	1,702,473.27	568.08	GP-12 CASE EL	1988
168,790.03	1,702,490.84	588.15	GP-13 CASE EL	1988
169,271.56	1,702,354.75	613.32	GP-14 CASE EL	1988
169,724.93	1,702,446.19	618.75	GP-15 CASE EL	1988
170,214.28	1,702,500.56	630.19	GP-16 CASE EL	1988
170,738.83	1,702,535.09	625.18	GP-17 CASE EL	1988
171,132.85	1,702,543.29	600.83	GP-18 CASE EL	1988
171,634.52	1,702,554.91	544.15	GP-19 CASE EL	1988
172,224.83	1,702,550.70	496.61	GP-20 CASE EL	1988
172,729.15	1,702,584.65	489.79	GP-21 CASE EL	1988
173,662.40	1,702,607.81	374.84	GP-22 CASE EL	1988
174,317.16	1,702,248.74	501.77	GP-23 CASE EL	1988
174,313.44	1,701,311.74	544.72	GP-24 CASE EL	1988
175,011.63	1,701,324.89	533.86	GP-25 CASE EL	1988
175,043.82	1,700,364.55	541.69	GP-26 CASE EL	1988
174,983.78	1,698,935.68	484.75	GP-27 CASE EL	1988
			GP-28 NOT INSTALLED	1988
174,455.39	1,697,385.67	431.05	GP-29 CASE EL	1988
172,787.40	1,697,339.61	644.62	GP-30 CASE EL	1988
172,013.96	1,697,321.72	673.37	GP-31 CASE EL	1988
171,524.28	1,697,308.08	647.57	GP-32 CASE EL	1988
171,017.18	1,697,293.36	625.03	GP-33 CASE EL	1988
170,537.12	1,697,287.04	604.93	GP-34 CASE EL	1988
170,083.32	1,697,286.32	596.28	GP-35 CASE EL	1988
169,510.89	1,697,265.94	574.92	GP-36 CASE EL	1988
169,049.03	1,697,252.08	557.38	GP-37 CASE EL	1988
167,909.72	1,697,243.54	523.57	GP-38 CASE EL	1988
167,239.45	1,697,232.41	541.03	GP-39 CASE EL	1988
167,205.68	1,698,100.32	502.77	GP-40 CASE EL	1988
167,191.96	1,698,965.50	482.97	GP-41 CASE EL	1988
167,183.37	1,699,979.90	457.95	GP-42 CASE EL	1988
167,160.00	1,700,961.11	536.86	GP-43 CASE EL	1988
167,135.28	1,702,007.20	529.11	GP-44 CASE EL	1994
167,888.74	1,702,378.77	567.47	GP-45 CASE EL	1994
168,482.15	1,702,182.52	589.79	GP-46 CASE EL	1994
168,783.75	1,701,272.71	600.07	GP-47 CASE EL	1994
169,289.65	1,700,985.98	616.56	GP-48 CASE EL	1994
168,612.91	1,700,710.62	561.13	GP-52 GRND EL	2001
168,601.99	1,700,711.34	561.02	GP-53 GRND EL	2001
168,617.89	1,700,717.53	561.20	GP-54 GRND EL	2001
168,916.92	1,702,195.87	591.29	GP-ATC-1 GRND EL	1985/86
169,479.79	1,702,259.97	616.25	GP-ATC-3 GRND EL	1985/86
			GP-ATC-4 ABANDONED/REMOVED	
169,950.42	1,702,235.30	625.65	GP-ATC-5 GRND EL	1985/86
170,002.70	1,702,512.99	620.16	GP-ATC-6 GRND EL	1985/86
170,371.26	1,702,490.56	629.94	GP-ATC-8 GRND EL	1985/86

KING COUNTY DEPARTMENT OF
NATURAL RESOURCES AND PARKS
SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL
LANDFILL GAS MIGRATION MONITORING PLAN

APPROVED VICTOR O. OKEREKE DATE 03-27-08
RECOMMENDED TOM THENO DATE 03-27-08
DESIGNED N/A DRAWN PHAM / McEWEN
PROJECT NO. _____ SURVEY NO. _____ SHEET 1 OF 1

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
April 2019 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	4/24/2019 11:36	0.0	0.1	21.0	0	-0.25	
ATC-01S	4/24/2019 11:35	0.0	0.1	21.0	0	-0.08	
ATC-06D	4/24/2019 12:40	0.0	0.7	5.0	0	0.07	
ATC-06S	4/24/2019 12:39	0.0	0.1	20.3	0	-6.72	
ATC-08D	4/24/2019 12:31	0.0	1.9	11.8	0	0	
ATC-08S	4/24/2019 12:30	0.0	0.3	19.1	0	-0.87	
GP-11A	4/24/2019 11:19	0.0	0.1	21.0	0	-0.12	
GP-11B	4/24/2019 11:20	0.0	0.1	21.0	0	-0.66	
GP-11C	4/24/2019 11:21	0.0	0.1	21.0	0	-0.68	
GP-11D	4/24/2019 11:22	0.0	0.1	21.0	0	-0.06	
GP-12A	4/24/2019 11:43	0.0	0.1	21.0	0	-0.02	
GP-12B	4/24/2019 11:44	0.0	0.1	21.0	0	0.01	
GP-12C	4/24/2019 11:45	0.0	0.1	18.2	0	0.14	
GP-12D	4/24/2019 11:48	0.0	0.2	19.7	0	-3.3	
GP-13A	4/24/2019 11:51	0.0	0.1	21.0	0	0.2	
GP-13B	4/24/2019 11:52	0.0	0.1	21.0	0	-0.02	
GP-13C	4/24/2019 11:53	0.0	0.1	21.0	0	-0.03	
GP-13D	4/24/2019 11:54	0.0	0.1	21.0	0	-2.39	
GP-14A	4/24/2019 11:59	0.0	0.1	20.8	0	-0.6	
GP-14B	4/24/2019 12:01	0.0	0.1	20.8	0	0.73	
GP-15A	4/24/2019 12:24	0.0	0.2	19.7	0	-0.01	
GP-15C	4/24/2019 12:23	0.0	0.1	20.3	0	0	
GP-15D	4/24/2019 12:23	0.0	0.1	20.5	0	-0.02	
GP-16A	4/24/2019 12:34	0.0	0.1	19.8	0	0.21	
GP-16B	4/24/2019 12:35	0.0	0.1	20.4	0	-1.47	
GP-16C	4/24/2019 12:36	0.0	0.1	20.5	0	-2.59	
GP-17A	4/24/2019 14:22	0.0	0.1	19.6	0	-15.78	
GP-17B	4/24/2019 14:24	0.0	0.7	16.4	0	0.06	
GP-17C	4/24/2019 14:25	0.0	0.1	19.8	0	-2.14	
GP-18A	4/24/2019 14:28	0.0	0.0	0.0	0	0	NR Water
GP-18B	4/24/2019 14:30	0.0	0.3	11.7	0	0.03	
GP-18C	4/24/2019 14:31	0.0	0.1	19.8	0	-2.23	
GP-19A	4/24/2019 14:37	0.0	0.0	20.2	0	0.03	
GP-19B	4/24/2019 14:40	0.0	0.6	14.9	0	0.08	
GP-19C	4/24/2019 14:43	0.0	0.1	20.3	0	-0.1	
GP-20A	4/24/2019 15:15	0.0	0.1	20.4	0	0.02	
GP-20B	4/24/2019 15:16	0.0	0.2	18.8	0	0.02	
GP-20C	4/24/2019 15:18	0.0	0.2	13.3	0	0.34	
GP-21A	4/24/2019 15:23	0.0	0.1	20.1	0	0.02	
GP-21B	4/24/2019 15:25	0.0	0.1	10.2	0	0.03	
GP-21C	4/24/2019 15:26	0.0	0.0	0.0	0	0	NR Water
GP-22A	4/24/2019 15:36	0.0	0.2	20.1	0	-6.72	
GP-22C	4/24/2019 15:38	0.0	0.8	2.5	0	-3.73	
GP-23A	4/24/2019 15:43	0.0	0.1	19.8	0	0.01	
GP-23B	4/24/2019 15:45	0.0	0.1	20.3	0	0.03	
GP-23C	4/24/2019 15:46	0.0	0.1	20.4	0	0.05	
GP-24A	4/24/2019 15:50	0.0	4.5	8.7	0	-0.07	
GP-24B	4/24/2019 15:52	0.0	2.0	15.1	0	0.04	
GP-25	4/24/2019 15:59	0.0	3.3	12.7	0	0.04	
GP-26	4/24/2019 16:03	0.0	0.8	18.1	0	0.32	
GP-27	4/24/2019 16:06	0.0	7.4	9.3	0	0.03	
GP-29A	4/24/2019 16:15	0.0	1.9	16.2	0	0.06	
GP-29B	4/24/2019 16:16	0.0	0.6	20.0	0	0.01	
GP-30A	4/24/2019 9:32	0.0	0.0	0.0	0	0	NR Water
GP-30B	4/24/2019 9:34	0.0	1.2	19.9	0	-1.19	
GP-31A	4/24/2019 9:36	0.0	0.9	19.8	0	-10.06	
GP-31B	4/24/2019 9:41	0.0	0.3	18.9	0	-0.76	
GP-31C	4/24/2019 9:43	0.0	0.1	21.0	0	0.06	
GP-32A	4/24/2019 9:47	0.0	1.1	18.2	0	0.07	
GP-32B	4/24/2019 9:48	0.0	0.2	20.7	0	0.05	
GP-32C	4/24/2019 9:49	0.0	0.2	20.8	0	0.06	
GP-33A	4/24/2019 9:52	0.0	0.2	20.9	0	0.04	
GP-33B	4/24/2019 9:54	0.0	0.1	21.0	0	0.14	
GP-33C	4/24/2019 9:55	0.0	0.1	21.0	0	-1.52	
GP-34A	4/24/2019 9:58	0.0	0.1	20.9	0	0.03	
GP-34B	4/24/2019 10:00	0.0	0.1	21.0	0	0	
GP-34C	4/24/2019 10:01	0.0	0.1	21.0	0	-2.09	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
April 2019 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
GP-35A	4/24/2019 10:06	0.0	0.1	21.0	0	0.02	
GP-35B	4/24/2019 10:08	0.0	0.1	21.0	0	0	
GP-35C	4/24/2019 10:09	0.0	0.1	21.0	0	-0.04	
GP-36A	4/24/2019 10:13	0.0	0.2	20.5	0	-0.01	
GP-36B	4/24/2019 10:14	0.0	0.0	0.0	0	0	NR Water
GP-36C	4/24/2019 10:15	0.0	0.2	20.6	0	-1.64	
GP-37A	4/24/2019 10:18	0.0	0.0	0.0	0	0	NR Water
GP-37B	4/24/2019 10:19	0.0	0.0	0.0	0	0	NR Water
GP-37C	4/24/2019 10:21	0.0	0.1	20.7	0	-2.06	
GP-39	4/24/2019 10:29	0.5	1.6	15.3	10	-0.23	
GP-40	4/24/2019 10:33	0.0	0.1	17.6	0	0.25	
GP-41A	4/24/2019 10:46	0.0	0.1	20.6	0	-0.02	
GP-41B	4/24/2019 10:47	0.0	0.1	20.4	0	-0.08	
GP-41C	4/24/2019 10:49	0.0	0.1	20.6	0	-0.14	
GP-42A	4/24/2019 10:53	0.0	0.1	20.6	0	0.59	
GP-42B	4/24/2019 10:54	0.0	0.4	19.4	0	-0.46	
GP-43A	4/24/2019 10:59	0.0	0.3	19.1	0	0.96	
GP-43B	4/24/2019 11:00	0.0	0.1	20.6	0	0.57	
GP-43C	4/24/2019 11:01	0.0	0.1	20.7	0	0.61	
GP-44A	4/24/2019 11:07	0.0	0.1	20.8	0	0.63	
GP-44B	4/24/2019 11:08	0.0	0.1	20.5	0	-0.06	
GP-44C	4/24/2019 11:09	0.0	0.1	20.9	0	0.55	
GP-45D	4/24/2019 11:17	0.0	0.1	21.0	0	-0.93	
GP-45I	4/24/2019 11:16	0.0	0.1	21.0	0	-0.09	
GP-45S	4/24/2019 11:14	0.0	0.1	21.0	0	-0.02	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
May 2019 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	5/15/2019 12:22	0.0	0.0	20.8	0	0.03	
ATC-01S	5/15/2019 12:21	0.0	0.1	20.8	0	0.14	
ATC-06D	5/15/2019 13:42	0.0	0.7	2.6	0	0.3	
ATC-06S	5/15/2019 13:41	0.0	1.9	13.5	0	0.15	
ATC-08D	5/15/2019 13:30	0.0	2.4	15.2	0	0.13	
ATC-08S	5/15/2019 13:28	0.0	0.2	18.8	0	0.64	
GP-11A	5/15/2019 12:10	0.0	0.1	20.5	0	0.12	
GP-11B	5/15/2019 12:11	0.0	0.5	13.6	0	1.3	
GP-11C	5/15/2019 12:12	0.0	0.2	7.3	0	1.66	
GP-11D	5/15/2019 12:14	0.0	0.1	20.5	0	0.12	
GP-12A	5/15/2019 12:29	0.0	0.1	20.4	0	0.09	
GP-12B	5/15/2019 12:30	0.0	0.1	20.5	0	0.07	
GP-12C	5/15/2019 12:31	0.0	0.1	20.7	0	0.08	
GP-12D	5/15/2019 12:33	0.0	0.5	7.5	0	0.83	
GP-13A	5/15/2019 12:37	0.0	0.1	20.8	0	0.08	
GP-13B	5/15/2019 12:38	0.0	0.0	20.8	0	0.1	
GP-13C	5/15/2019 12:40	0.0	0.0	20.5	0	0.1	
GP-13D	5/15/2019 12:41	0.0	0.1	20.2	0	2.81	
GP-14A	5/15/2019 12:46	0.0	0.1	17.5	0	0.89	
GP-14B	5/15/2019 12:47	0.0	0.1	19.8	0	0.77	
GP-15A	5/15/2019 13:18	0.0	0.1	20.2	0	0.12	
GP-15C	5/15/2019 13:20	0.0	0.5	17.4	0	0.29	
GP-15D	5/15/2019 13:22	0.0	0.1	20.3	0	0.15	
GP-16A	5/15/2019 13:34	0.0	0.1	20.6	0	0.14	
GP-16B	5/15/2019 13:36	0.0	0.2	18.5	0	0.15	
GP-16C	5/15/2019 13:37	0.0	0.7	15.2	0	3.46	
GP-17A	5/14/2019 10:52	0.0	0.0	20.6	0	-0.39	
GP-17B	5/14/2019 10:54	0.0	0.7	17.3	0	0.03	
GP-17C	5/14/2019 10:56	0.0	0.1	20.4	0	-0.38	
GP-18A	5/14/2019 11:00	0.0	1.7	14.1	0	-1.2	
GP-18B	5/14/2019 11:02	0.0	0.2	16.1	0	0.06	
GP-18C	5/14/2019 11:04	0.0	0.1	17.6	0	-0.14	
GP-19A	5/14/2019 11:07	0.0	0.0	20.7	0	0.04	
GP-19B	5/14/2019 11:09	0.0	0.6	15.6	0	0.03	
GP-19C	5/14/2019 11:10	0.0	0.0	20.7	0	0	
GP-20A	5/15/2019 15:01	0.0	0.1	20.6	0	0.01	
GP-20B	5/15/2019 15:03	0.0	0.3	13.1	0	0.04	
GP-20C	5/15/2019 15:04	0.0	0.1	10.6	0	0.04	
GP-21A	5/15/2019 15:07	0.0	0.1	20.5	0	0.01	
GP-21B	5/15/2019 15:08	0.0	0.1	11.8	0	0.01	
GP-21C	5/15/2019 15:09	0.0	0.1	20.5	0	0	
GP-22A	5/15/2019 15:13	0.0	0.1	20.5	0	-0.69	
GP-22C	5/15/2019 15:15	0.0	1.0	1.7	0	3.79	
GP-23A	5/15/2019 15:20	0.0	0.1	20.5	0	0.03	
GP-23B	5/15/2019 15:21	0.0	0.1	20.6	0	0.04	
GP-23C	5/15/2019 15:22	0.0	0.1	20.7	0	0.01	
GP-24A	5/15/2019 15:26	0.0	4.3	9.5	0	0.03	
GP-24B	5/15/2019 15:28	0.0	1.7	14.5	0	0.07	
GP-25	5/15/2019 15:31	0.0	3.2	14.7	0	0.07	
GP-26	5/15/2019 15:34	0.0	0.2	20.3	0	0.01	
GP-27	5/15/2019 15:38	0.0	5.2	10.6	0	0	
GP-29A	5/15/2019 15:51	0.0	3.2	14.9	0	-0.01	
GP-29B	5/15/2019 15:52	0.0	0.4	20.6	0	0.02	
GP-30A	5/14/2019 7:48	0.0	2.3	18.4	0	-0.05	
GP-30B	5/14/2019 7:50	0.0	0.9	19.6	0	-0.54	
GP-31A	5/14/2019 7:55	0.0	1.0	20.1	0	-0.18	
GP-31B	5/14/2019 7:57	0.0	0.2	17.8	0	-0.02	
GP-31C	5/14/2019 8:00	0.0	0.1	21.0	0	-0.04	
GP-32A	5/14/2019 8:07	0.0	0.1	21.0	0	-0.02	
GP-32B	5/14/2019 8:10	0.0	0.1	20.7	0	0.01	
GP-33A	5/14/2019 8:15	0.0	1.8	17.9	0	0.03	
GP-33B	5/14/2019 8:17	0.0	0.1	20.7	0	0.04	
GP-33C	5/14/2019 8:19	0.0	0.1	20.8	0	0.03	
GP-34A	5/14/2019 8:23	0.0	0.1	20.8	0	16.53	
GP-34B	5/14/2019 8:24	0.0	0.2	15.2	0	0	
GP-34C	5/14/2019 8:26	0.0	0.1	12.1	0	0.06	
GP-35A	5/14/2019 8:30	0.0	0.1	20.4	0	0.04	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
May 2019 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
GP-35B	5/14/2019 8:32	0.0	0.0	20.8	0	-0.01	
GP-35C	5/14/2019 8:34	0.0	0.1	19.7	0	0.02	
GP-36A	5/14/2019 8:39	0.0	0.2	10.5	0	0.06	
GP-36B	5/14/2019 8:41	0.0	0.0	20.9	0	0.05	
GP-36C	5/14/2019 8:43	0.0	0.2	18.2	0	0.04	
GP-37A	5/14/2019 8:47	0.0	0.0	21.0	0	0.03	
GP-37B	5/14/2019 8:48	0.0	0.0	21.0	0	0.01	
GP-37C	5/14/2019 8:51	0.0	0.4	6.9	0	0.11	
GP-39	5/14/2019 9:15	0.0	1.7	15.3	0	0.04	
GP-40	5/14/2019 9:20	0.0	0.0	19.3	0	0.03	
GP-41A	5/14/2019 9:25	0.0	0.0	20.7	0	0.03	
GP-41B	5/14/2019 9:27	0.0	0.0	20.7	0	0.09	
GP-41C	5/14/2019 9:29	0.0	0.0	20.8	0	0.05	
GP-42A	5/14/2019 9:34	0.0	0.1	20.8	0	0.03	
GP-42B	5/14/2019 9:36	0.0	0.9	17.1	0	0.01	
GP-43A	5/14/2019 9:41	0.0	0.0	21.0	0	0.03	
GP-43B	5/14/2019 9:43	0.0	0.0	21.0	0	0.02	
GP-43C	5/14/2019 9:45	0.0	0.1	17.1	0	0.03	
GP-44A	5/14/2019 9:49	0.0	0.0	21.0	0	0.03	
GP-44B	5/14/2019 9:51	0.0	0.2	18.4	0	-0.17	
GP-44C	5/14/2019 9:52	0.0	0.0	21.0	0	0.49	
GP-45D	5/15/2019 12:08	0.0	0.1	19.1	0	1.78	
GP-45I	5/15/2019 12:06	0.0	0.1	15.2	0	0.15	
GP-45S	5/15/2019 12:05	0.0	0.1	20.2	0	0.07	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
June 2019 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	6/18/2019 12:05	0.0	0.1	21.0	0	0	
ATC-01S	6/18/2019 12:02	0.0	1.7	18.3	0	0.04	
ATC-06D	6/18/2019 14:53	0.0	0.3	21.0	0	-0.02	
ATC-06S	6/18/2019 14:51	0.0	1.8	20.0	0	0.03	
ATC-08D	6/18/2019 14:41	0.0	3.2	18.5	0	0	
ATC-08S	6/18/2019 14:39	0.0	0.2	21.0	0	-0.02	
GP-11A	6/18/2019 11:48	0.0	0.1	21.0	0	0.03	
GP-11B	6/18/2019 11:50	0.0	0.1	21.0	0	-0.42	
GP-11C	6/18/2019 11:52	0.0	0.1	21.0	0	-0.48	
GP-11D	6/18/2019 11:54	0.0	0.1	21.0	0	0.06	
GP-12A	6/18/2019 12:12	0.0	0.1	21.0	0	0.01	
GP-12B	6/18/2019 12:14	0.0	0.1	21.0	0	0.01	
GP-12C	6/18/2019 12:17	0.0	0.1	21.0	0	-0.09	
GP-12D	6/18/2019 12:19	0.0	0.1	21.0	0	-0.07	
GP-13A	6/18/2019 12:22	0.0	1.9	19.6	0	-0.01	
GP-13B	6/18/2019 12:23	0.0	0.1	21.0	0	-0.03	
GP-13C	6/18/2019 12:25	0.0	0.1	21.0	0	-0.04	
GP-13D	6/18/2019 12:26	0.0	0.1	21.0	0	-2.22	
GP-14A	6/18/2019 12:32	0.0	0.1	22.0	0	-0.57	
GP-14B	6/18/2019 12:34	0.0	0.1	22.0	0	-0.6	
GP-15A	6/18/2019 14:29	0.0	0.1	21.0	0	0.02	
GP-15C	6/18/2019 14:30	0.0	0.1	20.9	0	-0.04	
GP-15D	6/18/2019 14:32	0.0	0.1	21.0	0	0.01	
GP-16A	6/18/2019 14:43	0.0	4.1	18.0	0	0.06	
GP-16B	6/18/2019 14:46	0.0	0.1	21.0	0	-2.12	
GP-16C	6/18/2019 14:48	0.0	0.1	21.0	0	-2.07	
GP-17A	6/18/2019 15:02	0.0	0.0	0.0	0	0	NR H20
GP-17B	6/18/2019 15:04	0.0	0.7	18.6	0	0.03	
GP-17C	6/18/2019 15:06	0.0	0.0	21.0	0	-2.01	
GP-18A	6/18/2019 15:09	0.0	2.0	15.6	0	0.09	
GP-18B	6/18/2019 15:10	0.0	0.3	14.3	0	0.05	
GP-18C	6/18/2019 15:12	0.0	0.1	21.0	0	-1.4	
GP-19A	6/18/2019 15:15	0.0	0.0	21.0	0	0.03	
GP-19B	6/18/2019 15:17	0.0	0.6	16.6	0	0.03	
GP-19C	6/18/2019 15:19	0.0	0.0	21.0	0	-0.13	
GP-20A	6/18/2019 15:22	0.0	0.2	21.0	0	0.02	
GP-20B	6/18/2019 15:24	0.0	0.2	19.5	0	-0.02	
GP-20C	6/18/2019 15:26	0.0	0.2	12.1	0	0.02	
GP-21A	6/18/2019 15:29	0.0	0.1	21.0	0	-0.02	
GP-21B	6/18/2019 15:30	0.0	0.1	12.0	0	0.03	
GP-21C	6/18/2019 15:32	0.0	0.1	21.0	0	-0.03	
GP-22A	6/18/2019 15:36	0.0	1.8	15.1	0	0.01	
GP-22C	6/18/2019 15:38	0.0	0.9	7.7	0	-1.68	
GP-23A	6/19/2019 6:38	0.0	0.2	19.9	0	0.03	
GP-23B	6/19/2019 6:41	0.0	0.1	20.0	0	0.05	
GP-23C	6/19/2019 6:43	0.0	0.1	20.0	0	0.06	
GP-24A	6/19/2019 6:46	0.0	6.7	11.6	0	0.06	
GP-24B	6/19/2019 6:48	0.0	0.3	19.6	0	0.32	
GP-25	6/19/2019 6:51	0.0	3.8	15.3	0	0.04	
GP-26	6/19/2019 6:56	0.0	0.3	19.7	0	0.05	
GP-27	6/19/2019 7:00	0.0	9.8	8.4	0	0.09	
GP-29A	6/19/2019 7:05	0.0	1.6	17.5	0	0.12	
GP-29B	6/19/2019 7:06	0.0	0.5	19.8	0	0.1	
GP-30A	6/18/2019 9:37	0.0	2.9	18.5	0	-0.05	
GP-30B	6/18/2019 9:40	0.0	1.2	19.5	0	-0.84	
GP-31A	6/18/2019 15:53	2.1	9.8	7.8	42	-0.31	
GP-31B	6/18/2019 9:52	0.0	0.3	19.1	0	-0.89	
GP-31C	6/18/2019 9:55	0.0	0.1	21.0	0	0.1	
GP-32A	6/18/2019 10:16	0.0	0.1	21.0	0	0.04	
GP-32B	6/18/2019 10:18	0.0	0.1	21.0	0	0.07	
GP-32C	6/18/2019 10:20	0.0	0.3	20.8	0	0.1	
GP-33A	6/18/2019 10:24	0.0	2.4	17.8	0	0.15	
GP-33B	6/18/2019 10:26	0.0	0.1	20.9	0	0.13	
GP-33C	6/18/2019 10:29	0.0	0.1	20.9	0	-1.12	
GP-34A	6/18/2019 10:32	0.0	0.0	0.0	0	0	NR H20
GP-34B	6/18/2019 10:34	0.0	0.1	20.9	0	-0.03	
GP-34C	6/18/2019 10:37	0.0	0.1	20.9	0	-1.66	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
June 2019 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
GP-35A	6/18/2019 10:41	0.0	0.1	20.9	0	0.13	
GP-35B	6/18/2019 10:43	0.0	0.1	21.0	0	0.1	
GP-35C	6/18/2019 10:45	0.0	0.1	21.0	0	0.08	
GP-36A	6/18/2019 10:48	0.0	1.4	20.0	0	-0.99	
GP-36B	6/18/2019 10:50	0.0	0.1	21.0	0	0.15	
GP-36C	6/18/2019 10:52	0.0	0.1	21.0	0	-0.31	
GP-37A	6/18/2019 10:55	0.0	0.1	20.9	0	0.13	
GP-37B	6/18/2019 10:57	0.0	0.1	21.0	0	0.13	
GP-37C	6/18/2019 10:59	0.0	0.5	5.9	0	-1.72	
GP-39	6/18/2019 11:03	0.0	2.0	16.4	0	0.13	
GP-40	6/18/2019 11:06	0.0	0.1	16.7	0	0.17	
GP-41A	6/18/2019 11:09	0.0	6.0	14.8	0	0.12	
GP-41B	6/18/2019 11:12	0.0	0.2	20.9	0	0.14	
GP-41C	6/18/2019 11:15	0.0	0.1	21.0	0	0.16	
GP-42A	6/18/2019 11:19	0.0	0.0	0.0	0	0	NR H20
GP-42B	6/18/2019 11:20	0.0	0.9	17.2	0	-0.63	
GP-43A	6/18/2019 11:24	0.0	0.1	20.5	0	0.21	
GP-43B	6/18/2019 11:27	0.0	0.1	20.9	0	0.18	
GP-43C	6/18/2019 11:29	0.0	0.1	20.9	0	0.19	
GP-44A	6/18/2019 11:33	0.0	0.1	21.0	0	0	
GP-44B	6/18/2019 11:35	0.0	0.2	20.9	0	-0.54	
GP-44C	6/18/2019 11:37	0.0	0.1	21.0	0	0.03	
GP-45D	6/18/2019 11:46	0.0	0.0	21.0	0	-0.63	
GP-45I	6/18/2019 11:43	0.0	0.0	21.0	0	0.05	
GP-45S	6/18/2019 11:42	0.0	0.1	21.0	0	0.03	

Interior Probes
(2Q2019)

CEDAR HILLS REGIONAL LANDFILL

Interior Landfill Gas Probes

April 2019 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-03D	4/24/2019 12:19	0.0	0.0	0.0	0	0	NR Water
ATC-03S	4/24/2019 12:18	0.0	1.6	7.3	0	-1.54	
GP-B4-1	4/3/2019 22:15	0.0	2.3	18.4	0	-1.31	
GP-B4-2	4/3/2019 22:18	0.0	0.2	21.0	0	-0.39	
GP-1A	4/3/2019 21:24	0.0	0.2	20.6	0	0.17	
GP-1B	4/3/2019 21:26	0.0	0.3	20.5	0	0.17	
GP-2A	4/3/2019 21:50	0.0	5.8	7.7	0	0.09	
GP-2B	4/3/2019 21:52	0.0	0.1	21.0	0	0.1	
GP-3	4/3/2019 22:22	0.0	7.3	13.7	0	0.06	
GP-4A	4/3/2019 22:08	0.0	0.1	21.0	0	0.12	
GP-4B	4/3/2019 22:10	0.0	0.0	21.0	0	0.12	
GP-5A	4/24/2019 12:44	0.0	0.1	19.8	0	-3.52	
GP-5BA	4/24/2019 12:07	0.0	0.1	20.7	0	-0.09	
GP-5BB	4/24/2019 12:08	0.0	0.1	20.8	0	-3.73	
GP-5BC	4/24/2019 12:09	0.0	0.1	20.8	0	-3.7	
GP-5BD	4/24/2019 12:10	0.0	0.1	20.9	0	-3.32	
GP-6A	4/3/2019 21:32	0.0	1.9	10.5	0	-0.62	
GP-6B	4/3/2019 21:34	0.0	4.2	2.9	0	0.1	
GP-6C	4/3/2019 21:36	0.0	0.9	15.5	0	0.05	
GP-6D	4/3/2019 21:38	0.0	1.1	18.8	0	-0.77	
GP-6E	4/3/2019 21:39	0.0	2.6	7.2	0	-0.23	
GP-6F	4/3/2019 21:41	0.0	2.2	8.5	0	-0.36	
GP-6G	4/3/2019 21:43	0.0	0.1	21.0	0	-0.24	
GP-6H	4/3/2019 21:45	0.0	2.9	9.2	0	-0.87	
GP-7	4/3/2019 21:21	0.0	2.2	15.7	0	-0.87	
GP-8	4/3/2019 21:16	0.0	0.1	21.0	0	-0.79	
GP-9	4/3/2019 20:48	0.0	2.8	12.2	0	-0.58	
GP-46D	4/3/2019 23:24	0.0	0.1	20.3	0	-0.75	
GP-46I	4/3/2019 23:22	9.8	3.1	0.3	>>>>	0.42	
GP-46S	4/3/2019 23:20	0.0	0.1	18.7	0	0.03	
GP-47D	4/24/2019 13:04	0.0	0.6	15.4	0	-0.26	
GP-47I	4/24/2019 13:03	6.7	4.9	14.0	>>>>	-1.96	
GP-47S	4/24/2019 13:00	0.0	0.1	20.4	0	-1.62	
GP-48D	4/3/2019 23:35	13.7	4.0	13.7	>>>>	-0.14	
GP-48I	4/3/2019 23:33	0.0	0.1	20.9	0	0.07	
GP-48S	4/3/2019 23:31	0.1	0.6	16.7	2	0.04	
GP-52	4/24/2019 12:52	0.0	0.1	20.1	0	0.41	
GP-53	4/24/2019 12:54	0.0	0.2	19.6	0	-0.49	
GP-54	4/24/2019 12:55	0.0	0.1	20.4	0	-0.83	
GP-55	4/3/2019 21:06	16.2	9.4	9.7	>>>>	-0.48	
GP-56	4/3/2019 21:08	0.0	0.3	20.6	0	-0.02	
GP-57	4/3/2019 21:02	33.8	19.1	5.7	>>>>	-8.27	
GP-58	4/3/2019 21:01	0.7	17.9	6.5	14	-9.79	
GP-59	4/3/2019 20:56	0.0	0.2	20.2	0	-0.48	
GP-60	4/3/2019 20:54	0.0	0.1	20.1	0	0.16	
GP-61	4/3/2019 20:26	0.0	1.9	18.8	0	0.1	
GP-62	4/3/2019 20:24	0.0	1.6	19.4	0	0.08	

CEDAR HILLS REGIONAL LANDFILL

Interior Landfill Gas Probes

May 2019 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-03D	5/15/2019 13:14	0.0	0.0	0.0	0	1.99	NR H2O
ATC-03S	5/15/2019 13:10	0.0	0.7	17.9	0	0.17	
GP-B4-1	5/19/2019 21:17	0.0	2.7	18.1	0	-0.33	
GP-B4-2	5/19/2019 21:19	0.0	2.4	19.3	0	0.06	
GP-1A	5/19/2019 20:44	0.0	0.5	21.0	0	0	
GP-1B	5/19/2019 20:45	0.0	0.2	21.0	0	-0.02	
GP-2A	5/19/2019 21:06	0.0	8.3	6.7	0	-0.04	
GP-2B	5/19/2019 21:08	0.0	0.2	21.0	0	0.55	
GP-3	5/19/2019 21:21	0.0	11.8	12.1	0	-0.02	
GP-4A	5/19/2019 21:12	0.0	10.8	3.7	0	-0.04	
GP-4B	5/19/2019 21:14	0.0	0.2	21.0	0	0.02	NR H2O
GP-5A	5/15/2019 12:55	0.0	0.5	12.3	0	3.03	
GP-5BA	5/15/2019 12:58	0.0	0.0	0.0	0	0.42	
GP-5BB	5/15/2019 12:59	0.0	1.2	14.1	0	3.13	
GP-5BC	5/15/2019 13:01	0.0	0.9	13.3	0	3.1	
GP-5BD	5/15/2019 13:02	0.0	0.8	9.9	0	0.1	
GP-6A	5/19/2019 20:51	0.0	2.2	8.8	0	0.08	
GP-6B	5/19/2019 20:53	0.0	4.2	5.0	0	0.41	
GP-6C	5/19/2019 20:54	0.0	1.0	15.5	0	0.37	
GP-6D	5/19/2019 20:55	0.0	4.5	1.1	0	-0.15	
GP-6E	5/19/2019 20:57	0.0	2.4	8.4	0	0.36	
GP-6F	5/19/2019 20:58	0.0	2.3	7.7	0	0.51	
GP-6G	5/19/2019 21:00	0.0	1.5	12.3	0	0.37	
GP-6H	5/19/2019 21:01	0.0	4.3	1.8	0	-0.14	
GP-7	5/19/2019 20:40	0.0	3.7	11.3	0	0.04	
GP-8	5/19/2019 20:37	0.0	3.5	14.0	0	0.04	
GP-9	5/19/2019 20:06	0.0	2.1	14.8	0	0.24	
GP-46D	5/19/2019 21:26	0.0	0.2	19.7	0	-0.11	
GP-46I	5/19/2019 21:28	15.9	1.6	0.1	>>>>	1.68	
GP-46S	5/19/2019 21:30	0.9	3.0	11.6	18	-0.25	
GP-47D	5/15/2019 11:58	0.0	1.6	14.5	0	1.12	
GP-47I	5/15/2019 11:57	52.7	26.3	0.0	>>>>	3.26	
GP-47S	5/15/2019 11:55	63.8	25.1	0.0	>>>>	3.35	
GP-48D	5/19/2019 21:36	0.0	1.0	14.8	0	-0.14	
GP-48I	5/19/2019 21:37	0.0	0.2	21.0	0	-0.05	
GP-48S	5/19/2019 21:39	0.0	12.5	5.1	0	0.05	
GP-52	5/15/2019 11:41	0.0	1.0	17.9	0	0	
GP-53	5/15/2019 11:43	0.0	0.5	18.3	0	1.16	
GP-54	5/15/2019 11:48	4.9	7.1	12.5	98	0.03	
GP-55	5/19/2019 20:30	20.8	13.7	0.0	>>>>	0.11	
GP-56	5/19/2019 20:32	0.0	1.6	16.8	0	-0.17	
GP-57	5/19/2019 20:24	38.2	21.1	4.7	>>>>	-8.32	
GP-58	5/19/2019 20:26	1.4	25.6	0.3	28	13.01	
GP-59	5/19/2019 20:12	26.1	10.7	6.2	>>>>	0.17	
GP-60	5/19/2019 20:17	0.0	0.1	21.0	0	-0.04	
GP-61	5/19/2019 19:58	0.0	2.0	18.0	0	0.08	
GP-62	5/19/2019 20:01	0.0	1.8	19.6	0	-0.03	

CEDAR HILLS REGIONAL LANDFILL

Interior Landfill Gas Probes

June 2019 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol	O2 %vol	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-03D	6/18/2019 14:24	0.0	0.1	21.0	0	0.07	
ATC-03S	6/18/2019 14:22	0.0	0.6	21.0	0	-0.33	
GP-B4-1	6/20/2019 23:36	0.2	1.3	20.2	4	-0.54	
GP-B4-2	6/20/2019 23:38	0.2	0.1	21.0	4	-0.1	
GP-1A	6/20/2019 22:47	0.2	0.5	20.8	4	0.14	
GP-1B	6/20/2019 22:49	0.2	0.2	21.0	4	0.14	
GP-2A	6/20/2019 23:17	0.2	7.9	11.0	4	0.1	
GP-2B	6/20/2019 23:19	0.2	0.1	21.0	4	0.11	
GP-3	6/20/2019 23:42	0.2	10.8	14.4	4	0.02	
GP-4A	6/20/2019 23:27	0.2	10.2	12.2	4	0.02	
GP-4B	6/20/2019 23:30	0.2	0.2	21.0	4	0.04	
GP-5A	6/18/2019 14:07	0.0	0.1	21.0	0	-2.7	
GP-5BA	6/18/2019 14:10	0.0	0.2	21.0	0	0.16	
GP-5BB	6/18/2019 14:12	0.0	0.0	21.0	0	-2.84	
GP-5BC	6/18/2019 14:15	0.0	0.0	21.0	0	-2.85	
GP-5BD	6/18/2019 14:17	0.0	0.0	21.0	0	-2.63	
GP-6A	6/20/2019 22:55	0.2	0.1	21.0	4	-0.44	
GP-6B	6/20/2019 22:57	0.2	0.1	21.0	4	0.14	
GP-6C	6/20/2019 22:59	0.2	0.1	21.0	4	0.17	
GP-6D	6/20/2019 23:01	0.2	0.1	21.0	4	-0.31	
GP-6E	6/20/2019 23:03	0.2	0.1	21.0	4	0.2	
GP-6F	6/20/2019 23:04	0.2	0.1	21.0	4	0.18	
GP-6G	6/20/2019 23:06	0.2	1.2	13.6	4	0.17	
GP-6H	6/20/2019 23:09	0.2	0.1	21.0	4	-0.01	
GP-7	6/20/2019 22:17	0.2	0.1	21.0	4	0.07	
GP-8	6/20/2019 22:12	0.2	0.3	20.0	4	0.1	
GP-9	6/20/2019 21:29	0.2	0.2	20.6	4	0.23	
GP-46D	6/20/2019 23:52	0.2	0.1	21.0	4	-0.19	
GP-46I	6/20/2019 23:50	1.8	0.3	19.4	36	0.04	
GP-46S	6/20/2019 23:48	0.2	0.2	20.4	4	-0.01	
GP-47D	6/19/2019 7:18	0.0	0.5	19.0	0	0.1	
GP-47I	6/19/2019 7:17	0.0	1.6	17.9	0	-1.14	
GP-47S	6/19/2019 7:15	0.0	0.1	20.1	0	-0.8	
GP-48D	6/21/2019 0:02	0.2	0.1	21.0	4	0.04	
GP-48I	6/21/2019 0:00	0.2	0.2	21.0	4	-0.08	
GP-48S	6/20/2019 23:58	0.2	0.4	18.9	4	-0.92	
GP-52	6/19/2019 7:25	0.0	2.3	15.0	0	0.08	
GP-53	6/19/2019 7:26	0.0	0.4	19.6	0	0	
GP-54	6/19/2019 7:28	0.0	0.1	20.4	0	-0.03	
GP-55	6/20/2019 22:04	7.5	1.7	15.9	>>>>	0.27	
GP-56	6/20/2019 22:01	0.3	1.9	17.5	6	0.11	
GP-57	6/20/2019 21:56	39.5	21.6	4.3	>>>>	-6.9	
GP-58	6/20/2019 21:53	2.2	29.8	0.1	44	0.19	
GP-59	6/20/2019 21:46	2.0	1.4	15.4	40	0.34	
GP-60	6/20/2019 21:44	0.2	0.2	20.6	4	0.12	
GP-61	6/20/2019 21:22	0.2	0.8	20.1	4	0.25	
GP-62	6/20/2019 21:20	0.1	2.0	19.2	2	0.07	

Migration Probes (2Q2019)

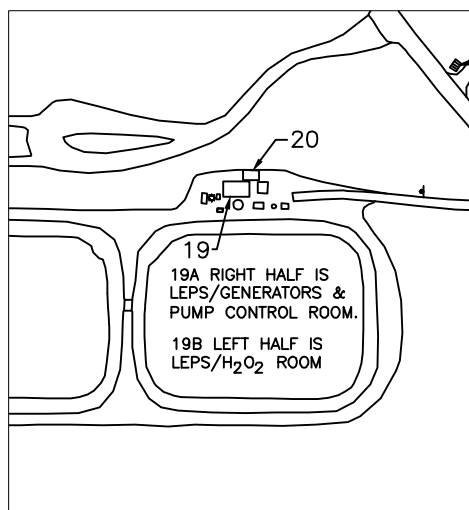


CEDAR HILLS REGIONAL LANDFILL
West Perimeter Landfill Gas Migration Control Probes
Second Quarter 2019 Monitoring

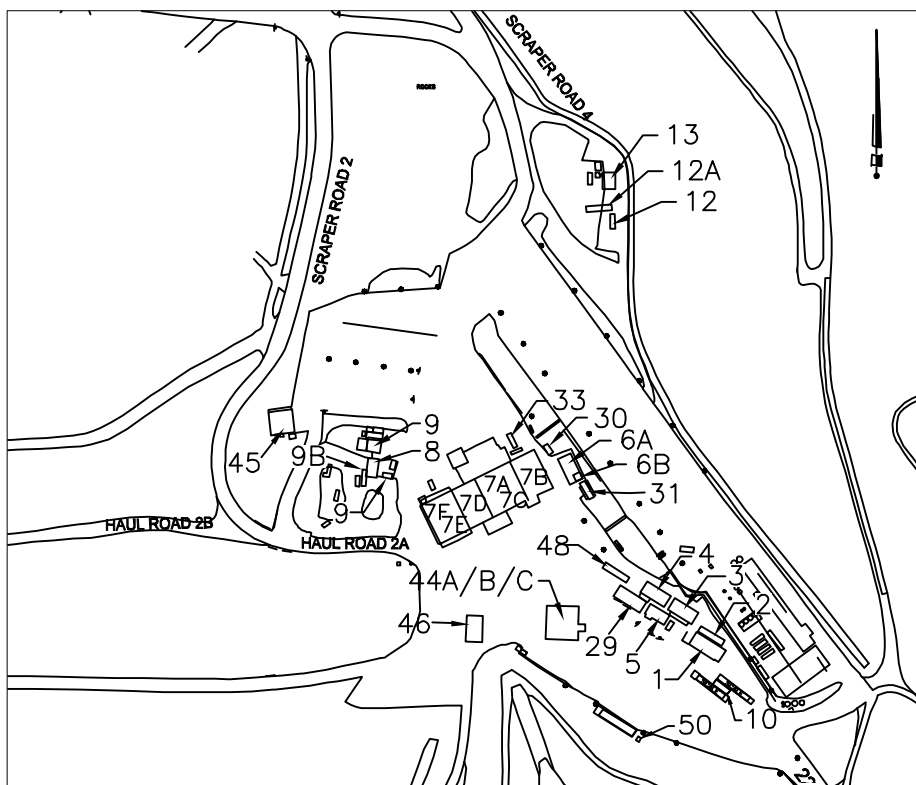
Probe ID	Date	Time	Barometric	CH ₄ % Vol	CO ₂ % Vol	O ₂ % Vol	Static	Comments
			Pressure in Hg				Pressure in INWC	
MGPW 1700	4/8/2019	1:21pm	29.91	0.0	0.2	20.6	-0.01	
MGPW 1700	4/22/2019	0.5243056	30.15	0.0	0.3	20.5	0.06	
MGPW 1700	5/7/2019	2:14pm	30.02	0.0	0.1	20.3	0.01	
MGPW 1700	5/16/2019	12:43pm	29.59	0.0	0.2	20.1	0.01	
MGPW 1700	6/6/2019	10:27AM	29.93	0.0	0.1	20.8	0.01	
MGPW 1700	6/18/2019	11:13am	30.09	0.0	0.2	20.0	0.1	
MGPW 1708	4/8/2019	1:30pm	29.91	0.0	0.2	20.6	-0.41	
MGPW 1708	4/22/2019	0.5152778	30.15	0.0	0.2	20.8	-0.68	
MGPW 1708	5/7/2019	2:31pm	30.02	0.0	0.1	20.1	-1.23	
MGPW 1708	5/16/2019	12:47pm	29.59	0.0	2.7	20.1	0.04	
MGPW 1708	6/6/2019	10:25am	29.93	0.0	0.1	20.7	-0.4	
MGPW 1708	6/18/2019	11:03am	30.09	0.0	0.2	20.1	-1.46	
MGPW 1710S	4/8/2019	1:36pm	29.91	0.0	0.1	20.7	-0.35	
MGPW 1710S	4/22/2019	0.5118056	30.15	0.0	0.2	20.8	-0.57	
MGPW 1710S	5/7/2019	2:40pm	30.02	0.0	0.1	20.1	-1.01	
MGPW 1710S	5/16/2019	1:04pm	29.59	0.1	0.5	20.1	0.03	
MGPW 1710S	6/6/2019	10:20am	29.93	0.0	0.1	20.6	-0.36	
MGPW 1710S	6/18/2019	10:56am	30.09	0.0	0.2	20.0	-1.1	
MGPW 1710D	4/8/2019	1:39pm	29.91	0.0	0.1	20.8	-0.38	
MGPW 1710D	4/22/2019	0.5131944	30.15	0.0	0.2	20.8	-0.57	
MGPW 1710D	5/7/2019	2:43pm	30.02	0.0	0.1	20.2	-1.07	
MGPW 1710D	5/16/2019	1:06pm	29.59	0.0	11.6	8.8	0.12	
MGPW 1710D	6/6/2019	10:22am	29.93	0.0	0.1	20.7	-0.45	
MGPW 1710D	6/18/2019	10:59am	30.09	0.0	0.1	20.4	-1.4	
MGPW 1714	4/8/2019	1:42pm	29.91	0.0	0.1	20.9	-0.38	
MGPW 1714	4/22/2019	0.5104167	30.15	0.0	0.2	20.0	-0.58	
MGPW 1714	5/7/2019	2:51pm	30.02	0.0	0.1	20.2	-1	
MGPW 1714	5/16/2019	1:13pm	29.59	0.0	2.9	15.5	0.12	
MGPW 1714	6/6/2019	10:16am	29.93	0.0	0.1	20.6	-0.26	
MGPW 1714	6/18/2019	10:48am	30.09	0.0	0.2	20.0	-1.41	

On-Site Building Monitoring (2Q2019)

Aeration Ponds



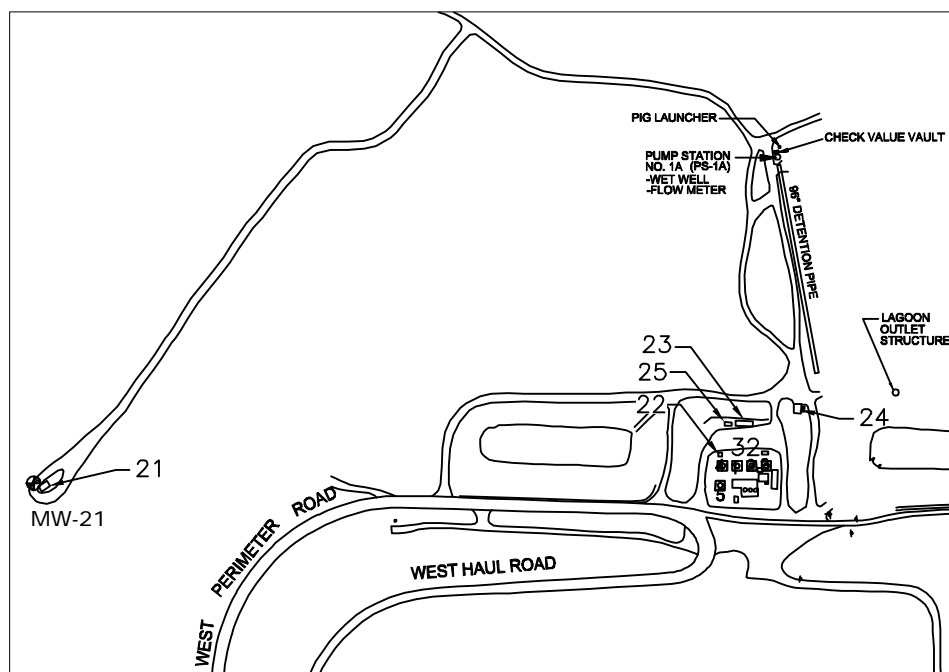
Shop and Office Buildings



BUILDING NO.	EO Description
1	Front Office
2	Conference Room
3	Vacant (Old Payroll Trailer)
4	Engineering Trailer
5	Lunch Room Trailer
6A	Dry Storage
6B	Electrician Office
7	Maintenance Shop
7A	Shop Office
7B	Stores—Shipping/Receiving
7C	Trailer Bay and Pit Area
7D	Tire Shop and Trailer Bay
7E	East Weld Shop
7F	West Weld Shop
8	Carpenter's Shop
9	Wastewater Shed
9B	Carpenter Storage
10	Scale House
11	New Eqpt. Operator's Trailer
12	EQ. Operator's Trailer (Old)
13	WW Compressor
16	Generator (Not Shown)
19	LEPS (P.S. #5)
19A	LEPS Pump Control Room
19B	LEPS/H ₂ O ₂ room
20	LEPS, Elec Panels
21	Storage(Old PS1)
22	Storage/N.Flare
23	LFGAS Office
24	NE Generator Bldg.
25	Storage BLDG. @ N.F.S.
29	OPS Administration Office
30	Women Brk Rm.
31	Landfill Leads/Accts Payable
32	North Flare Station
33	SPOC trailer
44A	Truck Wash West Restroom
44B	Truck Wash East Restroom
44C	Pressure Wash Room
45	Heavy Equipment Canopy
46	Fuel Island
48	Operations Planning
49	CCG Faster (Not Shown)
50	Chlorine Shed

CEDAR HILLS REGIONAL LANDFILL BUILDING NUMBERS

North Flare Station



Source: KCSWD, February 2012



King County

Landfill Gas Structure Monitoring Location

Environmental Monitoring Sampling and Analysis Plan
Cedar Hills Regional Landfill, King County, Washington

DATE:
February 2012

DESIGNED BY:

DRAWN BY:

REVISED BY:

PROJECT NO.

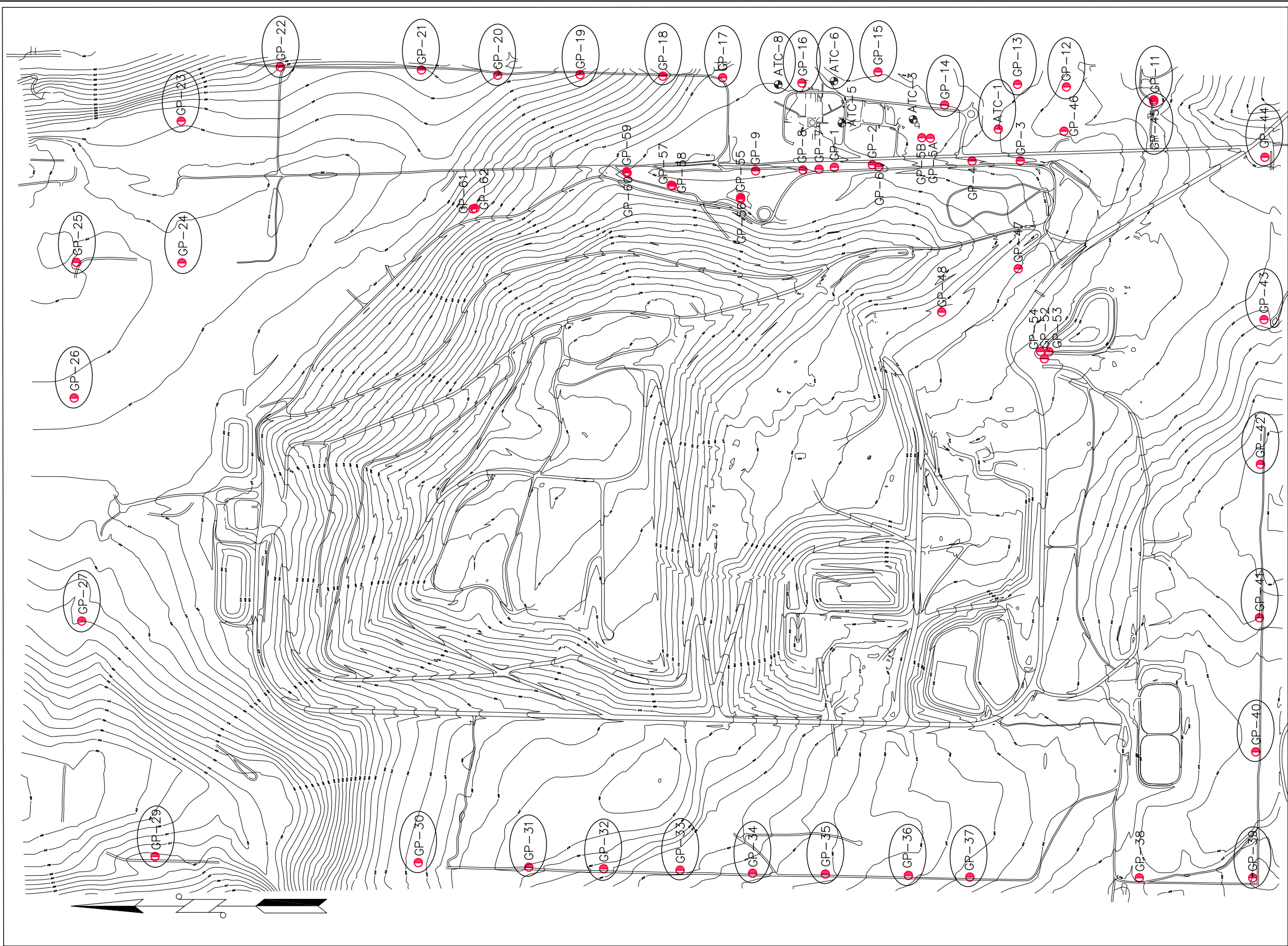
FIGURE NO.

SECOND QUARTER BUILDING MONITORING

 King County	INSTRUMENT: Place check by instrument used			WEATHER:		DATE: 04/17/19	
	Foxboro TVA 1000 (sn. 301)			Sunny		TECH: BL	
	Foxboro TVA 1000 (sn. 732)					X	
ENVIS ID	BLDG #	DESCRIPTION	CH ₄ (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME	
GOC- 04/17/19	1	FRONT OFFICE	X		30.19	6:30pm	
GCR- 04/17/19	2	CONF ROOM	X				
GAO- 04/17/19	3	PAYROLL OFFICE	X				
GEO- 04/17/19	4	ENGR. OFFICE	X				
GLRC- 04/17/19	5	LUNCHROOM	X				
GSPC 04/17/19		SPOC	X				
GELO- 04/17/19 A	6A	DRY STORAGE	X				
GELO- 04/17/19 B	6B	ELECTRICIAN OFFICE	X				
GAP- 04/17/19		ACCOUNT PAYABLE	X				
GSO- 04/17/19 A	7A	SHOP OFFICE	X				
GPR- 04/17/19 B	7B	PARTS ROOM	X				
GMS- 04/17/19 C	7C	SHOP PIT AREA/BAY	X				
GTB- 04/17/19 D	7D	SHOP TIRE BAY	X				
GEW- 04/17/19 E	7E	EAST WELD SHOP	X				
GWW- 04/17/19 F	7F	WEST WELD SHOP	X				
GCS- 04/17/19	8	CARPENTER'S	X				
GSS- 04/17/19	9	WASTEWATER	N/A	Building Removed			
GSS- 04/17/19 B	9B	CARPENTER/STORAGE	X				
GSH- 04/17/19	10	SCALEHOUSE	X				
GB13- 04/17/19	13	WW COMPRESSOR	X				
GB16- 04/17/19	16	GENERATOR	X				
GB19- 04/17/19	19	LEPS (P.S.# 5)	X				
GB19- 04/17/19 B	19B	LEPS/H ₂ O ₂ ROOM	X				
GB20- 04/17/19	20	LEPS ELEC PANALS	X				
GB21- 04/17/19	21	STORAGE(OLD PS 1)	X				
GB22- 04/17/19	22	STORAGE/N FLARE	X				
GB23- 04/17/19	23	LFGAS	X				
GB24- 04/17/19	24	NE GENERATOR BLDG	X				
GBWW- 04/17/19	30	WOMEN BRK RM	X				
GPWT- 04/17/19	PW	PRESSURE WASH RM	X				
GBRR- 04/17/19	RR	TRUCKWASH RR W	X				
GBSS- 04/17/19	SS	TRUCKWASH RR E	X				
GBZZ- 04/17/19	29	MANAGERS TRAILER	X				
GBPT- 04/17/19		CCG FASTER	X				
GCLS- 04/17/19		CHLORINE SHED	X				

**Landfill Gas Monitoring Data
(3Q2019)**

Compliance Probes
(3Q2019)



- LEGEND**
- INTERIOR LFG MONITORING PROBES
 - LFG MIGRATION MONITORING PROBES

GP-61	172389.358	1701669.133	561.42	563.673	563.18	GP61 TOP LID
GP-62	172375.658	1701672.384	563.35	565.703	565.28	GP62 TOP LID
GP-59	171373.815	1701913.385	633.45	635.991	635.45	GP59 TOP LID
GP-60	171369.626	1701906.243	633.68	636.366	635.84	GP60 TOP LID
GP-57	171077.878	1701825.385	637.02	639.432	639.00	GP57 TOP LID
GP-58	171070.016	1701820.583	637.56	640.345	639.81	GP58 TOP LID
GP-56	170619.58	1701733.666	641.07	644.03	643.57	GP56 TOP LID
GP-55	170619.474	1701744.081	640.99	643.621	643.09	GP55 TOP LID

DATE	REVISION	BY

Northing	Easting	Elev	Description	Inst. Date
170,000.33	1,701,942.93	640.02	GP-1 CASE EL	1985/86
169,740.00	1,701,960.00	622.00	GP-2 CASE EL	1985/86
168,758.11	1,701,985.28	594.21	GP-3 CASE EL	1985/86
169,058.18	1,701,972.94	606.19	GP-4 CASE EL	1985/86
169,370.19	1,702,134.95	616.23	GP-5A GRND EL	1988
169,422.02	1,702,138.87	619.63	GP-5B CASE EL	1988
169,731.73	1,701,946.48	635.59	GP-6 CASE EL	1988
170,101.22	1,701,930.58	640.66	GP-7 CASE EL	1988
170,208.37	1,701,925.10	642.67	GP8 CASE EL	1988
170,519.95	1,701,919.34	645.27	GP-9 CASE EL	1988
			GP-10 NOT INSTALLED	1988
167,890.09	1,702,389.27	567.15	GP-11 CASE EL	1988
168,466.64	1,702,473.27	568.08	GP-12 CASE EL	1988
168,790.03	1,702,490.84	588.15	GP-13 CASE EL	1988
169,271.56	1,702,354.75	613.32	GP-14 CASE EL	1988
169,724.93	1,702,446.19	618.75	GP-15 CASE EL	1988
170,214.28	1,702,500.56	630.19	GP-16 CASE EL	1988
170,738.83	1,702,535.09	625.18	GP-17 CASE EL	1988
171,132.85	1,702,543.29	600.83	GP-18 CASE EL	1988
171,634.52	1,702,554.91	544.15	GP-19 CASE EL	1988
172,224.83	1,702,550.70	496.61	GP-20 CASE EL	1988
172,729.15	1,702,584.65	489.79	GP-21 CASE EL	1988
173,662.40	1,702,607.81	374.84	GP-22 CASE EL	1988
174,317.16	1,702,248.74	501.77	GP-23 CASE EL	1988
174,313.44	1,701,311.74	544.72	GP-24 CASE EL	1988
175,011.63	1,701,324.89	533.86	GP-25 CASE EL	1988
175,043.82	1,700,364.55	541.69	GP-26 CASE EL	1988
174,983.78	1,698,935.68	484.75	GP-27 CASE EL	1988
			GP-28 NOT INSTALLED	1988
174,455.39	1,697,385.67	431.05	GP-29 CASE EL	1988
172,787.40	1,697,339.61	644.62	GP-30 CASE EL	1988
172,013.96	1,697,321.72	673.37	GP-31 CASE EL	1988
171,524.28	1,697,308.08	647.57	GP-32 CASE EL	1988
171,017.18	1,697,293.36	625.03	GP-33 CASE EL	1988
170,537.12	1,697,287.04	604.93	GP-34 CASE EL	1988
170,083.32	1,697,286.32	596.28	GP-35 CASE EL	1988
169,510.89	1,697,265.94	574.92	GP-36 CASE EL	1988
169,049.03	1,697,252.08	557.38	GP-37 CASE EL	1988
167,909.72	1,697,243.54	523.57	GP-38 CASE EL	1988
167,239.45	1,697,232.41	541.03	GP-39 CASE EL	1988
167,205.68	1,698,100.32	502.77	GP-40 CASE EL	1988
167,191.96	1,698,965.50	482.97	GP-41 CASE EL	1988
167,183.37	1,699,979.90	457.95	GP-42 CASE EL	1988
167,160.00	1,700,961.11	536.86	GP-43 CASE EL	1988
167,135.28	1,702,007.20	529.11	GP-44 CASE EL	1994
167,888.74	1,702,378.77	567.47	GP-45 CASE EL	1994
168,482.15	1,702,182.52	589.79	GP-46 CASE EL	1994
168,783.75	1,701,272.71	600.07	GP-47 CASE EL	1994
169,289.65	1,700,985.98	616.56	GP-48 CASE EL	1994
168,612.91	1,700,710.62	561.13	GP-52 GRND EL	2001
168,601.99	1,700,711.34	561.02	GP-53 GRND EL	2001
168,617.89	1,700,717.53	561.20	GP-54 GRND EL	2001
168,916.92	1,702,195.87	591.29	GP-ATC-1 GRND EL	1985/86
169,479.79	1,702,259.97	616.25	GP-ATC-3 GRND EL	1985/86
			GP-ATC-4 ABANDONED/REMOVED	
169,950.42	1,702,235.30	625.65	GP-ATC-5 GRND EL	1985/86
170,002.70	1,702,512.99	620.16	GP-ATC-6 GRND EL	1985/86
170,371.26	1,702,490.56	629.94	GP-ATC-8 GRND EL	1985/86



KING COUNTY DEPARTMENT OF
NATURAL RESOURCES AND PARKS
SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL
LANDFILL GAS MIGRATION MONITORING PLAN

APPROVED VICTOR O. OKEREKE DATE 03-27-08
RECOMMENDED TOM THENO DATE 03-27-08
DESIGNED N/A DRAWN PHAM / McEWEN
PROJECT NO. _____ SURVEY NO. _____ SHEET 1 OF 1

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

July 2019 Monitoring Data

Location ID	Date/Time	CH4	CO2	O2	Lower Explosive Limit	Static Pressure	Comments
		(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	
ATC-1D	7/11/19 9:06 AM	0	0.1	21	0	0.03	None
ATC-1S	7/11/19 9:04 AM	0	2.1	18.9	0	0.07	None
ATC-6D	7/11/19 10:20 AM	0	0.4	21	0	-0.05	None
ATC-6S	7/11/19 10:18 AM	0	1.8	19.9	0	0.07	None
ATC-8D	7/11/19 10:09 AM	0	3	18.7	0	0.05	None
ATC-8S	7/11/19 10:08 AM	0	0.3	20.1	0	-0.41	None
GP-11A	7/11/19 8:45 AM	0	0.1	21	0	0.11	None
GP-11B	7/11/19 8:47 AM	0	0.1	21	0	-0.36	None
GP-11C	7/11/19 8:49 AM	0	0.1	21	0	-0.52	None
GP-11D	7/11/19 8:51 AM	0	0.1	21	0	0.06	None
GP-12A	7/11/19 9:12 AM	0	0.3	20.9	0	0.04	None
GP-12B	7/11/19 9:13 AM	0	0.1	21	0	0.05	None
GP-12C	7/11/19 9:15 AM	0	0.1	21	0	0.05	None
GP-12D	7/11/19 9:17 AM	0	0.2	21	0	-1.8	None
GP-13A	7/11/19 9:21 AM	0	2	19.7	0	0.04	None
GP-13B	7/11/19 9:23 AM	0	0.1	21	0	0.05	None
GP-13C	7/11/19 9:25 AM	0	0.1	21	0	0.01	None
GP-13D	7/11/19 9:27 AM	0	0.1	21	0	-1.92	None
GP-14A	7/11/19 9:32 AM	0	0.1	21	0	-0.43	None
GP-14B	7/11/19 9:34 AM	0	0.1	21	0	-0.48	None
GP-15A	7/11/19 9:57 AM	0	0.1	21	0	0.05	None
GP-15C	7/11/19 9:59 AM	0	0.3	19.3	0	0.04	None
GP-15D	7/11/19 10:00 AM	0	0.1	21	0	0	None
GP-16A	7/11/19 10:12 AM	0	3.5	18.8	0	0.07	None
GP-16B	7/11/19 10:13 AM	0	0.2	21	0	-1.87	None
GP-16C	7/11/19 10:15 AM	0	0.2	21	0	-1.65	None
GP-17A	7/11/19 10:45 AM	0	0	0	0	0	NR H2O
GP-17B	7/11/19 10:48 AM	0	0.7	18	0	0.05	None
GP-17C	7/11/19 10:50 AM	0	0.1	21	0	-1.53	None
GP-18A	7/11/19 10:55 AM	0	2.5	16.7	0	0.06	None
GP-18B	7/11/19 10:57 AM	0	0.3	15.7	0	0.08	None
GP-18C	7/11/19 10:58 AM	0	0.1	20.3	0	-1.42	None
GP-19A	7/11/19 11:01 AM	0	1.1	19.1	0	0.06	None
GP-19B	7/11/19 11:03 AM	0	0.5	17	0	0.07	None
GP-19C	7/11/19 11:05 AM	0	0.1	21	0	0.04	None
GP-20A	7/11/19 11:08 AM	0	1	19.9	0	0.06	None
GP-20B	7/11/19 11:09 AM	0	0.3	17.3	0	0.05	None
GP-20C	7/11/19 11:11 AM	0	0.2	9.9	0	0.04	None
GP-21A	7/11/19 11:13 AM	0	0.1	21	0	0.05	None
GP-21B	7/11/19 11:15 AM	0	0.1	12.5	0	0.05	None
GP-21C	7/11/19 11:17 AM	0	0.1	21	0	0.02	None
GP-22A	7/11/19 11:20 AM	0	2.5	14.4	0	0.08	None
GP-22C	7/11/19 11:22 AM	0	1.2	1.7	0	-1.33	None
GP-23A	7/11/19 12:40 PM	0	0.1	20.3	0	0.01	None
GP-23B	7/11/19 12:41 PM	0	0.1	20.3	0	-1.24	None
GP-23C	7/11/19 12:43 PM	0	0.1	20.4	0	0.07	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

July 2019 Monitoring Data

Location ID	Date/Time	CH4	CO2	O2	Lower Explosive Limit	Static Pressure	Comments
		(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	
GP-24A	7/11/19 12:47 PM	0	6.8	12.7	0	0.05	None
GP-24B	7/11/19 12:49 PM	0	0.2	20.4	0	-1.01	None
GP-25	7/11/19 12:52 PM	0	3.5	17.4	0	0.04	None
GP-26	7/11/19 12:56 PM	0	0.8	18.1	0	-0.02	None
GP-27	7/11/19 1:00 PM	0	10.2	9.2	0	0.08	None
GP-29A	7/11/19 1:06 PM	0	1.2	19.1	0	0.04	None
GP-29B	7/11/19 1:08 PM	0	0.5	20.6	0	0.06	None
GP-30A	7/11/19 6:59 AM	0	2.6	19.4	0	0.03	None
GP-30B	7/11/19 7:01 AM	0	1.2	20.2	0	-0.84	None
GP-31A	7/11/19 7:06 AM	0.2	12.4	3.8	4	0.05	None
GP-31B	7/11/19 7:08 AM	0	0.3	19.7	0	-0.6	None
GP-31C	7/11/19 7:09 AM	0	0.1	21	0	0.06	None
GP-32A	7/11/19 7:14 AM	0	0.1	20.9	0	0.1	None
GP-32B	7/11/19 7:16 AM	0	0.1	20.9	0	0.1	None
GP-32C	7/11/19 7:17 AM	0	0.1	20.9	0	0.06	None
GP-33A	7/11/19 7:21 AM	0	2.6	18.4	0	0.09	None
GP-33B	7/11/19 7:22 AM	0	0.3	19.7	0	0.08	None
GP-33C	7/11/19 7:24 AM	0	0.1	21	0	-1.1	None
GP-34A	7/11/19 7:29 AM	0	0	0	0	0	NR H2O
GP-34B	7/11/19 7:31 AM	0	0.1	21	0	0.07	None
GP-34C	7/11/19 7:33 AM	0	0.1	21	0	-1.24	None
GP-35A	7/11/19 7:37 AM	0	10.6	7.3	0	0.1	None
GP-35B	7/11/19 7:39 AM	0	0.1	21	0	0.1	None
GP-35C	7/11/19 7:40 AM	0	0.1	21	0	0.08	None
GP-36A	7/11/19 7:44 AM	0	1	20.4	0	-1.1	None
GP-36B	7/11/19 7:45 AM	0	3.5	15.9	0	0.08	None
GP-36C	7/11/19 7:47 AM	0	0.1	21	0	-0.04	None
GP-37A	7/11/19 7:50 AM	0	0.1	21	0	0.12	None
GP-37B	7/11/19 7:52 AM	0	0.1	21	0	0.09	None
GP-37C	7/11/19 7:53 AM	0	0.5	5	0	-1.46	None
GP-39	7/11/19 7:58 AM	0	2.2	17.4	0	0.1	None
GP-40	7/11/19 8:01 AM	0	0.1	17.4	0	0.09	None
GP-41A	7/11/19 8:04 AM	0	4.3	16.6	0	0.13	None
GP-41B	7/11/19 8:06 AM	0	0.6	10.1	0	0.12	None
GP-41C	7/11/19 8:08 AM	0	0.1	21	0	0.12	None
GP-42A	7/11/19 8:11 AM	0	0.1	21	0	0.09	None
GP-42B	7/11/19 8:13 AM	0	1.1	16.7	0	-0.63	None
GP-43A	7/11/19 8:16 AM	0	0.1	21	0	0.12	None
GP-43B	7/11/19 8:17 AM	0	0.1	21	0	0.09	None
GP-43C	7/11/19 8:19 AM	0	0.1	21	0	0.13	None
GP-44A	7/11/19 8:22 AM	0	0.1	21	0	0.14	None
GP-44B	7/11/19 8:23 AM	0	0.7	11.9	0	0.54	None
GP-44C	7/11/19 8:25 AM	0	0.1	21	0	0.13	None
GP-45D	7/11/19 8:57 AM	0	0.1	21	0	-0.61	None
GP-45I	7/11/19 8:55 AM	0	0.1	21	0	-0.01	None
GP-45S	7/11/19 8:53 AM	0	0.1	21	0	0.04	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

August 2019 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	8/19/19 9:32 AM	0	0.1	20.6	0	0	None
ATC-1S	8/19/19 9:30 AM	0	2.6	19.3	0	-0.07	None
ATC-6D	8/19/19 11:15 AM	0	0.4	20.1	0	-0.04	None
ATC-6S	8/19/19 11:13 AM	0	1.4	20	0	0.01	None
ATC-8D	8/19/19 10:57 AM	0	2.1	19.3	0	0.11	None
ATC-8S	8/19/19 10:55 AM	0	0.3	18.9	0	0.27	None
GP-11A	8/19/19 11:14 AM	0.2	1.4	19.8	4	-0.04	None
GP-11B	8/19/19 11:15 AM	0.2	0.2	21.1	4	-0.4	None
GP-11C	8/19/19 11:17 AM	0.2	0.1	21.1	4	-0.46	None
GP-11D	8/19/19 11:19 AM	0.2	0.2	21.1	4	0.04	None
GP-12A	8/19/19 9:50 AM	0	0.9	20.2	0	0.09	None
GP-12B	8/19/19 9:52 AM	0	0.1	20.7	0	0.07	None
GP-12C	8/19/19 9:53 AM	0	0.2	20.1	0	0.09	None
GP-12D	8/19/19 9:55 AM	0	0.1	20.7	0	-0.01	None
GP-13A	8/19/19 9:38 AM	0	1.9	19.4	0	0.07	None
GP-13B	8/19/19 9:40 AM	0	0.2	20.1	0	-0.83	None
GP-13C	8/19/19 9:42 AM	0	0.1	20.6	0	0.07	None
GP-13D	8/19/19 9:43 AM	0	0.1	20.6	0	-0.7	None
GP-14A	8/19/19 10:02 AM	0	0.2	19.9	0	0	None
GP-14B	8/19/19 10:04 AM	0	0.1	20.8	0	-0.06	None
GP-15A	8/19/19 10:36 AM	0	0.3	19.8	0	-0.01	None
GP-15C	8/19/19 10:38 AM	0	1.2	14.5	0	-0.18	None
GP-15D	8/19/19 10:40 AM	0	0.1	20.6	0	-0.98	None
GP-16A	8/19/19 11:01 AM	0	2.8	19.1	0	-0.01	None
GP-16B	8/19/19 11:04 AM	0	0.4	19.9	0	-0.6	None
GP-16C	8/19/19 11:08 AM	0	0.8	14.6	0	-0.63	None
GP-17A	8/19/19 11:45 AM	0	3.3	15.2	0	-0.11	None
GP-17B	8/19/19 11:47 AM	0	0.7	17.2	0	0.03	None
GP-17C	8/19/19 11:48 AM	0	0.1	20.7	0	-0.61	None
GP-18A	8/19/19 11:53 AM	0	2.9	17.3	0	0.11	None
GP-18B	8/19/19 11:55 AM	0	0.4	14.5	0	0	None
GP-18C	8/19/19 11:57 AM	0	0.2	16.6	0	-0.48	None
GP-19A	8/19/19 12:01 PM	0	1.3	18.8	0	0.03	None
GP-19B	8/19/19 12:02 PM	0	0.6	16	0	0.01	None
GP-19C	8/19/19 12:04 PM	0	0	20.8	0	0	None
GP-20A	8/19/19 12:07 PM	0	1.6	20	0	0.11	None
GP-20B	8/19/19 12:09 PM	0	0.3	18.2	0	0.04	None
GP-20C	8/19/19 12:12 PM	0	0.2	8.7	0	0.36	None
GP-21A	8/19/19 12:16 PM	0	0.9	19.1	0	0.05	None
GP-21B	8/19/19 12:18 PM	0	0.1	10.2	0	0.05	None
GP-21C	8/19/19 12:19 PM	0	0.1	11.6	0	1.35	None
GP-22A	8/19/19 12:24 PM	0	2.9	15.6	0	0.12	None
GP-22C	8/19/19 12:25 PM	0	1.6	1.2	0	-0.2	None
GP-23A	8/19/19 12:31 PM	0	0.1	20.8	0	-0.08	None
GP-23B	8/19/19 12:32 PM	0	0	21	0	-2.1	None
GP-23C	8/19/19 12:34 PM	0	0	21	0	0.05	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
August 2019 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-24A	8/19/19 12:38 PM	0	5.8	15.3	0	0.04	None
GP-24B	8/19/19 12:40 PM	0	0.2	20.9	0	-0.06	None
GP-25	8/19/19 12:44 PM	0	3.3	18.6	0	0.03	None
GP-26	8/19/19 12:49 PM	0	0.6	20.1	0	-0.52	None
GP-27	8/19/19 12:53 PM	0	10.3	11.1	0	0.03	None
GP-29A	8/19/19 12:57 PM	0	1.4	19.6	0	0.02	None
GP-29B	8/19/19 12:59 PM	0	0.4	20.6	0	0.05	None
GP-30A	8/19/19 9:28 AM	0.3	0.7	20.2	6	-0.04	None
GP-30B	8/19/19 9:30 AM	0.3	0.3	20.5	6	-1.02	None
GP-31A	8/19/19 9:35 AM	0.2	8	11.7	4	0.03	None
GP-31B	8/19/19 9:37 AM	0.2	0.3	17.9	4	-0.91	None
GP-31C	8/19/19 9:38 AM	0.2	1.4	18.3	4	0.05	None
GP-32A	8/19/19 9:41 AM	0.2	0.2	20.8	4	-0.01	None
GP-32B	8/19/19 9:42 AM	0.2	0.3	20.6	4	0.08	None
GP-32C	8/19/19 9:43 AM	0.2	0.4	20.6	4	0.02	None
GP-33A	8/19/19 9:47 AM	0.2	2.8	18.4	4	0.08	None
GP-33B	8/19/19 9:48 AM	0.2	0.6	20.1	4	0	None
GP-33C	8/19/19 9:50 AM	0.2	0.1	20.9	4	-1.38	None
GP-34A	8/19/19 9:53 AM	0.3	13.6	3.8	6	-0.03	None
GP-34B	8/19/19 9:55 AM	0.2	0.2	20.8	4	0	None
GP-34C	8/19/19 9:57 AM	0.2	0.2	18.6	4	-0.48	None
GP-35A	8/19/19 10:00 AM	0.2	7.3	12.7	4	-0.03	None
GP-35B	8/19/19 10:02 AM	0.2	0.2	20.9	4	0.05	None
GP-35C	8/19/19 10:04 AM	0.2	0.2	20.8	4	-0.01	None
GP-36A	8/19/19 10:07 AM	0.2	1	20.4	4	-1.42	None
GP-36B	8/19/19 10:08 AM	0.2	4.6	17.4	4	-0.02	None
GP-36C	8/19/19 10:09 AM	0.2	0.5	11.6	4	0.01	None
GP-37A	8/19/19 10:19 AM	0.2	2.1	17.5	4	0.03	None
GP-37B	8/19/19 10:20 AM	0.2	0.6	19.6	4	0.11	None
GP-37C	8/19/19 10:22 AM	0.2	0.7	1.7	4	-0.38	None
GP-39	8/19/19 10:28 AM	0.2	2.2	19	4	0	None
GP-40	8/19/19 10:32 AM	0.2	0.1	15.4	4	0.02	None
GP-41A	8/19/19 10:35 AM	0.2	4	17.7	4	0.05	None
GP-41B	8/19/19 10:36 AM	0.2	0.8	7.2	4	0.07	None
GP-41C	8/19/19 10:38 AM	0.2	0.1	20.9	4	0.07	None
GP-42A	8/19/19 10:42 AM	0.2	5.5	14.3	4	-0.02	None
GP-42B	8/19/19 10:44 AM	0.2	0.8	18.5	4	-0.59	None
GP-43A	8/19/19 10:48 AM	0.2	0.4	20.5	4	0.07	None
GP-43B	8/19/19 10:50 AM	0.2	0.1	21	4	0.05	None
GP-43C	8/19/19 10:51 AM	0.2	0.2	19.1	4	0.05	None
GP-44A	8/19/19 12:05 PM	1.5	2.6	19.4	30	0.06	None
GP-44B	8/19/19 11:00 AM	0.2	0.5	18.6	4	-0.51	None
GP-44C	8/19/19 11:02 AM	0.2	0.1	21.1	4	0.02	None
GP-45D	8/19/19 11:11 AM	0.2	0.1	21.2	4	-0.36	None
GP-45I	8/19/19 11:10 AM	0.2	0.1	21.2	4	0	None
GP-45S	8/19/19 11:08 AM	0.2	0.1	21.1	4	0.07	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

September 2019 Monitoring Data

		CH4	CO2	O2	Lower Explosive Limit	Static Pressure	
Location ID	Date/Time	(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	Comments
ATC-1D	9/12/19 10:48 AM	0	0.1	20.6	0	-0.08	None
ATC-1S	9/12/19 10:47 AM	0	1.5	20.2	0	0.01	None
ATC-6D	9/12/19 12:16 PM	0	0.3	20.7	0	0.05	None
ATC-6S	9/12/19 12:15 PM	0	0.9	20.2	0	0.07	None
ATC-8D	9/12/19 11:59 AM	0	1.5	19.4	0	0.02	None
ATC-8S	9/12/19 11:58 AM	0	0.2	20.6	0	-0.01	None
GP-11A	9/12/19 10:28 AM	0	1.4	19.9	0	0.05	None
GP-11B	9/12/19 10:30 AM	0	0.1	20.8	0	-0.14	None
GP-11C	9/12/19 10:31 AM	0	0.1	20.9	0	-0.2	None
GP-11D	9/12/19 10:32 AM	0	0.1	20.8	0	0.05	None
GP-12A	9/12/19 10:55 AM	0	1.2	20.2	0	0.02	None
GP-12B	9/12/19 10:57 AM	0	0.1	21	0	-0.1	None
GP-12C	9/12/19 10:59 AM	0	0.1	20.7	0	-0.02	None
GP-12D	9/12/19 11:01 AM	0	0.1	21	0	-1.42	None
GP-13A	9/12/19 11:12 AM	0	1.4	20.1	0	0	None
GP-13B	9/12/19 11:14 AM	0	0.1	21	0	-0.03	None
GP-13C	9/12/19 11:15 AM	0	0	21	0	-0.03	None
GP-13D	9/12/19 11:17 AM	0	0	21	0	-1.48	None
GP-14A	9/12/19 12:22 PM	0	0	20.9	0	0.03	None
GP-14B	9/12/19 12:24 PM	0	0	21	0	-0.02	None
GP-15A	9/12/19 11:47 AM	0	0.2	20.8	0	0.04	None
GP-15C	9/12/19 11:49 AM	0	0.6	16.9	0	0.03	None
GP-15D	9/12/19 11:50 AM	0	0.1	20.9	0	-1.67	None
GP-16A	9/12/19 12:03 PM	0	2	19.3	0	0.07	None
GP-16B	9/12/19 12:04 PM	0	0.1	20.6	0	-2.57	None
GP-16C	9/12/19 12:06 PM	0	0.1	20.7	0	-1.19	None
GP-17A	9/12/19 2:01 PM	0	3.1	15.7	0	-0.01	None
GP-17B	9/12/19 2:03 PM	0	0.5	17.6	0	-0.07	None
GP-17C	9/12/19 2:05 PM	0	0	20.1	0	-0.75	None
GP-18A	9/12/19 2:08 PM	0	2.6	17.6	0	0.1	None
GP-18B	9/12/19 2:09 PM	0	0.3	14.9	0	0.07	None
GP-18C	9/12/19 2:11 PM	0	0.1	20.4	0	-0.8	None
GP-19A	9/12/19 2:17 PM	0	1.2	18.4	0	-0.03	None
GP-19B	9/12/19 2:18 PM	0	0.5	16.2	0	-0.08	None
GP-19C	9/12/19 2:20 PM	0	0	21	0	0.03	None
GP-20A	9/12/19 2:25 PM	0	1.9	19.6	0	0	None
GP-20B	9/12/19 2:26 PM	0	0.2	20.1	0	-0.04	None
GP-20C	9/12/19 2:28 PM	0	0.2	9.4	0	0.19	None
GP-21A	9/12/19 2:31 PM	0	0.7	20	0	-0.02	None
GP-21B	9/12/19 2:32 PM	0	0.1	11.5	0	-0.01	None
GP-21C	9/12/19 2:34 PM	0	0.1	20	0	0.05	None
GP-22A	9/12/19 2:40 PM	0	3	17.7	0	0.01	None
GP-22C	9/12/19 2:41 PM	0	1.4	1.3	0	-0.41	None
GP-23A	9/12/19 2:48 PM	0	0.1	21	0	-0.06	None
GP-23B	9/12/19 2:49 PM	0	0	21	0	-0.1	None
GP-23C	9/12/19 2:51 PM	0	0	21	0	-0.01	None

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
September 2019 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-24A	9/12/19 2:56 PM	0	4.9	15.9	0	-0.02	None
GP-24B	9/12/19 2:58 PM	0	0.1	20.9	0	-0.02	None
GP-25	9/12/19 3:02 PM	0	2.8	18.8	0	0.01	None
GP-26	9/12/19 3:07 PM	0	0.4	20.7	0	0.52	None
GP-27	9/12/19 3:36 PM	0	9.3	13	0	-0.03	None
GP-29A	9/12/19 3:25 PM	0	1.9	19.6	0	-0.03	None
GP-29B	9/12/19 3:26 PM	0	0.2	21	0	-0.03	None
GP-30A	9/12/19 7:15 AM	0	1.3	20	0	0.01	None
GP-30B	9/12/19 7:17 AM	0	0.3	20.7	0	-0.02	None
GP-31A	9/12/19 7:21 AM	0	7.5	12.9	0	0.05	None
GP-31B	9/12/19 7:23 AM	0	0.3	17.3	0	0.05	None
GP-31C	9/12/19 7:25 AM	0	1.2	18.6	0	0.05	None
GP-32A	9/12/19 7:28 AM	0	0.1	20.9	0	0.06	None
GP-32B	9/12/19 7:30 AM	0	0.1	21	0	0.04	None
GP-32C	9/12/19 7:32 AM	0	0.2	20.9	0	0.05	None
GP-33A	9/12/19 7:36 AM	0	2.5	18.8	0	0.06	None
GP-33B	9/12/19 7:37 AM	0	0.4	20.7	0	0.05	None
GP-33C	9/12/19 7:39 AM	0	0.1	21	0	-0.53	None
GP-34A	9/12/19 7:44 AM	0	10.2	8.5	0	-0.04	None
GP-34B	9/12/19 7:46 AM	0	0.1	21	0	-0.04	None
GP-34C	9/12/19 7:47 AM	0	0.1	21	0	-1.79	None
GP-35A	9/12/19 7:53 AM	0	5.9	15.6	0	-0.03	None
GP-35B	9/12/19 7:54 AM	0	0.1	21	0	-0.03	None
GP-35C	9/12/19 7:56 AM	0	0.1	21	0	-0.01	None
GP-36A	9/12/19 8:00 AM	0	0.9	20.6	0	-1.97	None
GP-36B	9/12/19 8:02 AM	0	3.7	18.7	0	-0.02	None
GP-36C	9/12/19 8:04 AM	0	0.2	21	0	-0.58	None
GP-37A	9/12/19 8:09 AM	0	2.1	18.6	0	0.34	None
GP-37B	9/12/19 8:10 AM	0	0.4	19.9	0	0.03	None
GP-37C	9/12/19 8:12 AM	0	0.5	3.8	0	-1.82	None
GP-39	9/12/19 8:24 AM	0	1.9	19.7	0	0.01	None
GP-40	9/12/19 8:29 AM	0	0.1	19.4	0	0.02	None
GP-41A	9/12/19 8:34 AM	0	3.4	18.4	0	0	None
GP-41B	9/12/19 8:36 AM	0	0.7	8.6	0	0.04	None
GP-41C	9/12/19 8:37 AM	0	0.1	21	0	0.03	None
GP-42A	9/12/19 8:48 AM	0	4.9	14.8	0	-0.18	None
GP-42B	9/12/19 8:49 AM	0	0.6	20.2	0	-0.41	None
GP-43A	9/12/19 8:58 AM	0	0.1	21	0	0.05	None
GP-43B	9/12/19 9:00 AM	0	0.1	21	0	0.05	None
GP-43C	9/12/19 9:01 AM	0	0.1	21	0	0.06	None
GP-44A	9/12/19 9:09 AM	4.2	11.8	3.6	84	0.13	None
GP-44B	9/12/19 9:12 AM	0	0.2	20.4	0	0.75	None
GP-44C	9/12/19 9:14 AM	0	0.1	21	0	0.03	None
GP-45D	9/12/19 10:25 AM	0	0.1	20.9	0	-0.29	None
GP-45I	9/12/19 10:24 AM	0	0.1	20.8	0	0.07	None
GP-45S	9/12/19 10:22 AM	0	0.1	20.7	0	0.03	None

Interior Probes
(3Q2019)

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Interior Probes

July 2019 Monitoring Data

Location ID	Date/Time	CH ₄ (% Vol)	CO ₂ (% Vol)	O ₂ (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	7/11/19 9:53 AM	0.0	0.1	21	0	2.58	None
ATC-3S	7/11/19 9:52 AM	0.0	1.0	20.5	0	-2.2	None
GP-1A	7/15/19 9:37 PM	0.0	0.7	21.1	0	0	None
GP-1B	7/15/19 9:42 PM	0.0	0.1	21.6	0	-0.27	None
GP-2A	7/15/19 9:51 PM	0.0	7.9	11.6	0	0.06	None
GP-2B	7/15/19 9:54 PM	0.0	0.2	21.5	0	0.02	None
GP-3	7/16/19 12:03 AM	0.0	12.3	12.3	0	-0.05	None
GP-46D	7/16/19 12:16 AM	0.0	0.1	21.2	0	-0.08	None
GP-46I	7/16/19 12:13 AM	9.6	1.2	8.5	>>>	0.13	None
GP-46S	7/16/19 12:08 AM	0.0	0.2	20.1	0	-0.05	None
GP-47D	7/11/19 10:39 AM	0.0	0.9	11.9	0	-0.13	None
GP-47I	7/11/19 10:38 AM	10.6	17.0	0.2	>>>	-1.3	None
GP-47S	7/11/19 10:36 AM	0.0	0.1	21	0	-1.04	None
GP-48D	7/16/19 12:30 AM	0.0	0.1	21.3	0	-0.01	None
GP-48I	7/16/19 12:28 AM	0.0	0.4	18.6	0	-0.05	None
GP-48S	7/16/19 12:26 AM	0.0	0.2	21.3	0	-0.31	None
GP-4A	7/15/19 10:33 PM	0.0	10.7	11.4	0	0.06	None
GP-4B	7/15/19 10:35 PM	0.0	0.2	21.5	0	0.06	None
GP-52	7/11/19 10:27 AM	0.0	2.7	13.7	0	0.05	None
GP-53	7/11/19 10:28 AM	0.0	0.3	19.9	0	-0.02	None
GP-54	7/11/19 10:30 AM	0.0	0.1	21	0	-0.41	None
GP-55	7/15/19 9:17 PM	0.0	0.3	21.2	0	-0.29	None
GP-56	7/15/19 9:22 PM	0.0	2.2	17.1	0	0.01	None
GP-57	7/15/19 8:58 PM	43.4	21.9	3.7	>>>	-6.95	None
GP-58	7/15/19 9:11 PM	0.8	28.0	0	16	0.01	None
GP-59	7/15/19 8:42 PM	0.0	0.2	21.1	0	-0.05	None
GP-5A	7/11/19 9:39 AM	0.0	0.1	21	0	-2.22	None
GP-5BA	7/11/19 9:42 AM	0.0	0.1	21	0	0.02	None
GP-5BB	7/11/19 9:44 AM	0.0	0.1	21	0	-2.21	None
GP-5BC	7/11/19 9:46 AM	0.0	0.1	21	0	-2.2	None
GP-5BD	7/11/19 9:47 AM	0.0	0.1	21	0	-2.18	None
GP-60	7/15/19 8:46 PM	0.0	0.2	21.2	0	0	None
GP-61	7/15/19 8:21 PM	0.0	0.1	20.9	0	0	None
GP-62	7/15/19 8:24 PM	0.0	1.9	19.4	0	0.12	None
GP-6A	7/15/19 10:09 PM	0.0	0.1	21.7	0	-0.72	None
GP-6B	7/15/19 10:11 PM	0.0	0.1	21.7	0	-0.23	None
GP-6C	7/15/19 10:13 PM	0.0	4.9	16.9	0	-0.19	None
GP-6D	7/15/19 10:15 PM	0.0	0.1	21.7	0	-0.59	None
GP-6E	7/15/19 10:17 PM	0.0	0.2	21.5	0	-0.17	None
GP-6F	7/15/19 10:19 PM	0.0	0.1	21.7	0	-0.16	None
GP-6G	7/15/19 10:20 PM	0.0	0.1	21.7	0	-0.15	None
GP-6H	7/15/19 10:22 PM	0.0	0.1	21.7	0	-0.57	None
GP-7	7/15/19 9:32 PM	0.0	0.1	21.6	0	-0.44	None
GP-8	7/15/19 9:28 PM	0.0	0.1	21.5	0	-0.41	None
GP-9	7/15/19 8:34 PM	0.0	0.2	21	0	-0.3	None
GP-B4-1	7/15/19 11:59 PM	0.0	2.3	18.4	0	-0.77	None
GP-B4-2	7/16/19 12:00 AM	0.0	0.1	21.2	0	-0.07	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Interior Probes

August 2019 Monitoring Data

Location ID	Date/Time	CH ₄	CO ₂	O ₂	Lower Explosive Limit	Static Pressure	Comments
		(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	
ATC-3D	8/19/2019	0.0	0.1	20.1	0	0.02	None
ATC-3S	8/19/2019	0.0	1.8	18.6	0	0.02	None
GP-1A	8/14/2019	0.0	3.7	18.2	0	0.03	None
GP-1B	8/14/2019	0.0	0.1	21	0	0	None
GP-2A	8/14/2019	0.0	6.5	13.9	0	0.03	None
GP-2B	8/14/2019	0.0	0.0	20.4	0	0.01	None
GP-3	8/14/2019	0.0	16.0	8.2	0	0.04	None
GP-46D	8/14/2019	0.0	0.1	21	0	-0.94	None
GP-46I	8/14/2019	0.0	0.1	21	0	-1.31	None
GP-46S	8/14/2019	0.0	0.1	20.6	0	-0.01	None
GP-47D	8/19/2019	0.2	1.1	19.3	4	0.01	None
GP-47I	8/19/2019	10.1	15.4	1.5	>>>	-0.15	None
GP-47S	8/19/2019	52.4	19.9	2.9	>>>	-0.03	None
GP-48D	8/14/2019	0.0	0.0	21	0	-1.17	None
GP-48I	8/14/2019	0.0	0.1	20.9	0	-0.1	None
GP-48S	8/14/2019	0.0	0.2	19.5	0	-0.07	None
GP-4A	8/14/2019	0.0	9.7	13.6	0	-0.01	None
GP-4B	8/14/2019	0.0	0.2	21	0	0.02	None
GP-52	8/19/2019	0.2	3.4	11.9	4	0.01	None
GP-53	8/19/2019	0.2	0.4	19.9	4	-0.07	None
GP-54	8/19/2019	0.2	0.1	21.1	4	-0.58	None
GP-55	8/14/2019	0.0	0.2	20.8	0	1.14	None
GP-56	8/14/2019	0.0	1.5	18.1	0	-0.01	None
GP-57	8/14/2019	45.9	21.0	3.8	>>>	-7.48	None
GP-58	8/14/2019	0.0	21.0	0	0	0.05	None
GP-59	8/14/2019	0.0	0.1	20.4	0	-0.53	None
GP-5A	8/19/2019	0.0	0.6	12.3	0	-0.04	None
GP-5BA	8/19/2019	0.0	0.3	20.6	0	0.09	None
GP-5BB	8/19/2019	0.0	1.4	17.3	0	-0.21	None
GP-5BC	8/19/2019	0.0	0.8	11	0	-0.19	None
GP-5BD	8/19/2019	0.0	0.1	20.8	0	-0.6	None
GP-60	8/14/2019	0.0	0.1	20.5	0	-0.01	None
GP-61	8/14/2019	0.0	0.1	20.9	0	-0.71	None
GP-62	8/14/2019	0.0	1.6	19.6	0	-0.01	None
GP-6A	8/14/2019	0.0	0.1	21	0	-1.65	None
GP-6B	8/14/2019	0.0	0.1	21	0	-1.38	None
GP-6C	8/14/2019	0.0	5.6	16.5	0	-1.47	None
GP-6D	8/14/2019	0.0	0.1	21	0	-1.6	None
GP-6E	8/14/2019	0.0	0.1	21	0	-1.4	None
GP-6F	8/14/2019	0.0	0.1	21	0	-1.38	None
GP-6G	8/14/2019	0.0	0.1	21	0	-1.4	None
GP-6H	8/14/2019	0.0	0.1	21	0	-1.65	None
GP-7	8/14/2019	0.0	0.1	20.9	0	-1.3	None
GP-8	8/14/2019	0.0	0.1	20.8	0	-1.28	None
GP-9	8/14/2019	0.0	0.1	20.6	0	-1.09	None
GP-B4-1	8/14/2019	0.0	0.2	21	0	-1.61	None
GP-B4-2	8/14/2019	0.0	0.1	21	0	-1.16	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Interior Probes

September 2019 Monitoring Data

Location ID	Date/Time	CH ₄	CO ₂	O ₂	Lower Explosive Limit	Static Pressure	Comments
		(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	
ATC-3D	9/12/2019	0.0	1.0	20.6	0	0.02	None
ATC-3S	9/12/2019	0.0	1.0	20.4	0	-0.05	None
GP-1A	9/18/2019	0.0	1.9	18.6	0	-0.02	None
GP-1B	9/18/2019	0.0	0.1	22	0	-0.02	None
GP-2A	9/18/2019	0.0	7.5	12	0	-0.07	None
GP-2B	9/18/2019	0.0	0.2	21.9	0	-0.01	None
GP-3	9/18/2019	0.0	16.9	3.1	0	-0.04	None
GP-46D	9/18/2019	0.0	0.1	22.1	0	-1.61	None
GP-46I	9/18/2019	0.6	0.2	20.9	12	-1.21	None
GP-46S	9/18/2019	0.0	0.1	21.5	0	-0.24	None
GP-47D	9/12/2019	0.0	0.6	18.7	0	0.04	None
GP-47I	9/12/2019	6.9	13.9	2.9	138	-1.22	None
GP-47S	9/12/2019	0.0	0.1	20.7	0	-1.26	None
GP-48D	9/18/2019	0.0	0.1	22.1	0	-1.42	None
GP-48I	9/18/2019	0.0	0.2	22	0	-0.09	None
GP-48S	9/18/2019	0.0	0.2	21.5	0	-0.13	None
GP-4A	9/18/2019	0.0	0.2	22	0	-0.06	None
GP-4B	9/18/2019	0.0	0.2	22	0	0.01	None
GP-52	9/12/2019	0.0	3.8	11	0	0.07	None
GP-53	9/12/2019	0.0	0.4	19.4	0	0.03	None
GP-54	9/12/2019	0.0	0.1	20.9	0	-0.01	None
GP-55	9/18/2019	0.1	0.6	21.4	2	-1.49	None
GP-56	9/18/2019	0.0	2.5	19.4	0	-0.01	None
GP-57	9/18/2019	36.0	18.9	6.4	>>>	-6.65	None
GP-58	9/18/2019	0.0	15.9	6.8	0	-0.01	None
GP-59	9/18/2019	0.0	0.1	21.5	0	-0.88	None
GP-5A	9/12/2019	0.0	0.0	21	0	-2.37	None
GP-5BA	9/12/2019	0.0	0.2	20.9	0	0.02	None
GP-5BB	9/12/2019	0.0	0.1	21	0	-2.39	None
GP-5BC	9/12/2019	0.0	0.1	21	0	-2.34	None
GP-5BD	9/12/2019	0.0	0.1	21	0	-2.02	None
GP-60	9/18/2019	0.0	0.1	21.6	0	0.01	None
GP-61	9/18/2019	0.0	0.1	21.3	0	-0.18	None
GP-62	9/18/2019	0.0	1.4	19.9	0	0.02	None
GP-6A	9/18/2019	0.0	0.1	21.9	0	-1.68	None
GP-6B	9/18/2019	0.0	2.5	10.7	0	-1.2	None
GP-6C	9/18/2019	0.0	0.3	20.6	0	-1.21	None
GP-6D	9/18/2019	0.0	0.1	21.9	0	-1.47	None
GP-6E	9/18/2019	0.0	0.4	19.3	0	-1.24	None
GP-6F	9/18/2019	0.0	1.2	13.3	0	-1.23	None
GP-6G	9/18/2019	0.0	0.1	22	0	-1.23	None
GP-6H	9/18/2019	0.0	0.1	22	0	-1.54	None
GP-7	9/18/2019	0.0	0.1	21.9	0	-1.58	None
GP-8	9/18/2019	0.0	0.1	21.8	0	-1.47	None
GP-9	9/18/2019	0.0	1.5	16.9	0	-1.46	None
GP-B4-1	9/18/2019	0.0	0.2	22	0	-2.1	None
GP-B4-2	9/18/2019	0.0	0.1	22.1	0	-1.5	None

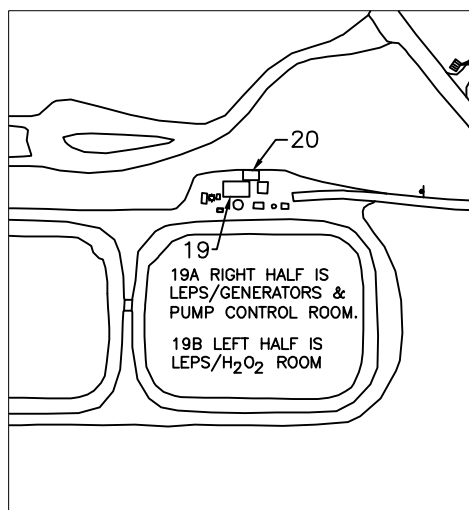
Migration Probes
(3Q2019)

CEDAR HILLS REGIONAL LANDFILL
West Perimeter Landfill Gas Migration Control Probes
Third Quarter 2019 Monitoring Data

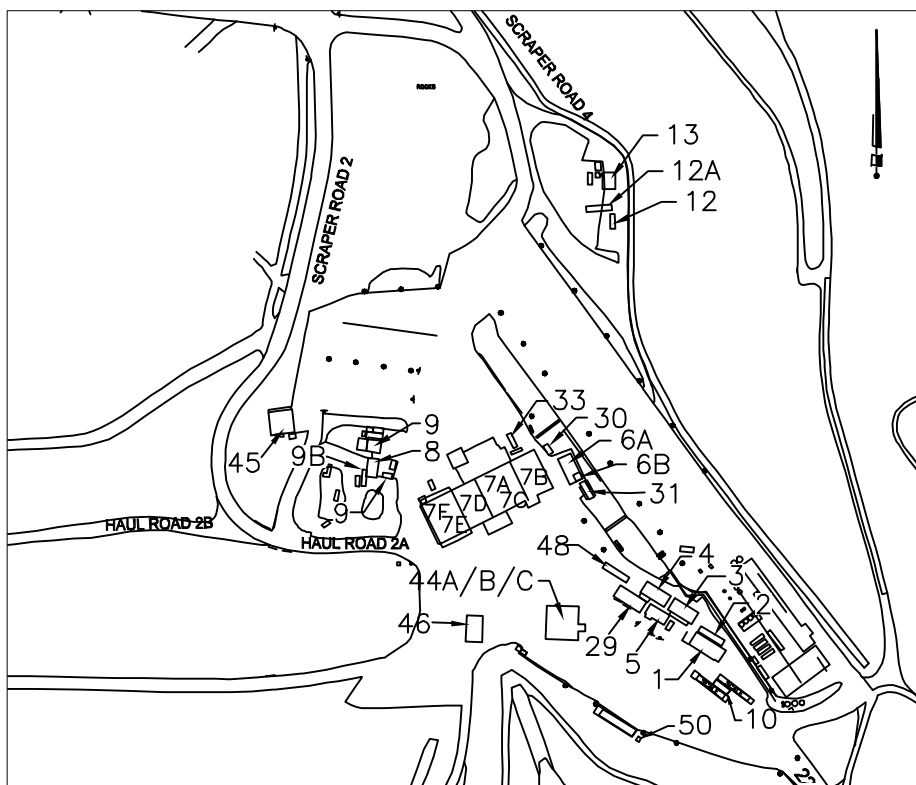
Probe ID	Date	Time	Barometric			Static		Comments
			Pressure in Hg	CH4 %vol	CO2 %vol	O2 %vol	Pressure in INWC	
MGPW 1700	7/2/2019	9:30am	30.02	0.0	0.1	21.0	0.06	
MGPW 1700	7/17/2019	1:30pm	28.99	0.0	0.2	20.9	0.66	
MGPW 1700	8/7/2019	10:34am	29.93	0.0	0.1	20.5	-0.03	
MGPW 1700	8/21/2019	1:23pm	29.94	0.0	0.2	20.8	0.01	
MGPW 1700	9/7/2019	1:53pm	29.92	0.0	0.1	21.0	0.01	
MGPW 1700	9/23/2019	2:24pm	30.15	0.0	0.2	21.0	0	
MGPW 1708	7/2/2019	9:40am	30.02	0.0	0.1	21.0	-1.17	
MGPW 1708	7/17/2019	1:37pm	28.99	0.0	0.4	20.8	-0.46	
MGPW 1708	8/7/2019	10:45am	29.93	0.0	0.2	20.4	-1.01	
MGPW 1708	8/21/2019	1:32pm	29.94	0.0	0.2	20.6	-0.8	
MGPW 1708	9/7/2019	1:58pm	29.92	0.0	0.1	21.0	0.09	
MGPW 1708	9/23/2019	2:30pm	30.15	0.0	0.3	21.0	-0.01	
MGPW 1710S	7/2/2019	9:45am	30.02	0.0	0.1	21.0	-1.13	
MGPW 1710S	7/17/2019	1:45pm	28.99	0.0	0.1	21.0	-0.51	
MGPW 1710S	8/7/2019	10:51am	29.93	0.0	0.1	20.7	-0.92	
MGPW 1710S	8/21/2019	1:36pm	29.94	0.0	0.2	20.7	-0.75	
MGPW 1710S	9/7/2019	2:04pm	29.92	0.0	0.1	21.0	-0.09	
MGPW 1710S	9/23/2019	2:49pm	30.15	0.0	0.3	21.0	0.01	
MGPW 1710D	7/2/2019	9:50am	30.02	0.0	0.1	21.0	0.42	
MGPW 1710D	7/17/2019	1:50pm	28.99	0.0	0.3	21.0	-0.49	
MGPW 1710D	8/7/2019	10:53am	29.93	0.0	0.1	20.9	-1	
MGPW 1710D	8/21/2019	1:38pm	29.94	0.0	0.2	20.7	-0.79	
MGPW 1710D	9/7/2019	2:02pm	29.92	0.0	0.1	21.0	0.01	
MGPW 1710D	9/23/2019	2:54pm	30.15	0.0	0.1	21.0	0	
MGPW 1714	7/2/2019	10:00am	30.02	0.0	0.1	21.0	-1.13	
MGPW 1714	7/17/2019	1:55 AM	28.99	0.0	0.3	21.0	-0.51	
MGPW 1714	8/7/2019	10:59am	29.93	0.0	0.1	20.9	-1.01	
MGPW 1714	8/21/2019	1:42pm	29.94	0.0	0.2	20.6	-0.8	
MGPW 1714	9/7/2019	2:08pm	29.92	0.0	0.1	21.0	-0.09	
MGPW 1714	43731	2:58pm	30.15	0	0.2	21	0	

On-Site Building Monitoring
(3Q2019)

Aeration Ponds



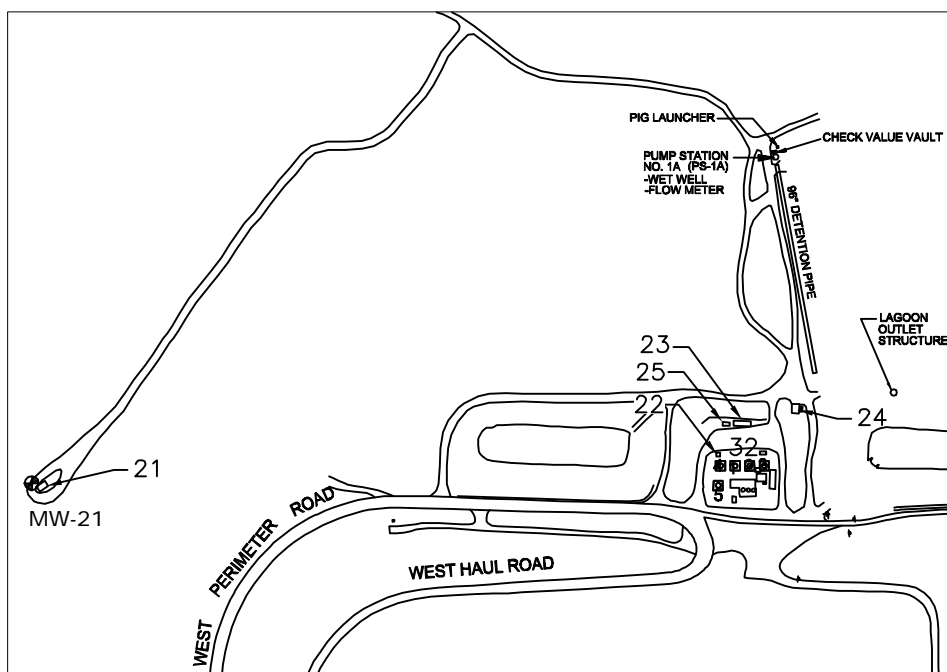
Shop and Office Buildings



BUILDING NO.	EO Description
1	Front Office
2	Conference Room
3	Vacant (Old Payroll Trailer)
4	Engineering Trailer
5	Lunch Room Trailer
6A	Dry Storage
6B	Electrician Office
7	Maintenance Shop
7A	Shop Office
7B	Stores—Shipping/Receiving
7C	Trailer Bay and Pit Area
7D	Tire Shop and Trailer Bay
7E	East Weld Shop
7F	West Weld Shop
8	Carpenter's Shop
9	Wastewater Shed
9B	Carpenter Storage
10	Scale House
11	New Eqpt. Operator's Trailer
12	EQ. Operator's Trailer (Old)
13	WW Compressor
16	Generator (Not Shown)
19	LEPS (P.S. #5)
19A	LEPS Pump Control Room
19B	LEPS/H ₂ O ₂ room
20	LEPS, Elec Panels
21	Storage(Old PS1)
22	Storage/N.Flare
23	LFGAS Office
24	NE Generator Bldg.
25	Storage BLDG. @ N.F.S.
29	OPS Administration Office
30	Women Brk Rm.
31	Landfill Leads/Accts Payable
32	North Flare Station
33	SPOC trailer
44A	Truck Wash West Restroom
44B	Truck Wash East Restroom
44C	Pressure Wash Room
45	Heavy Equipment Canopy
46	Fuel Island
48	Operations Planning
49	CCG Faster (Not Shown)
50	Chlorine Shed

CEDAR HILLS REGIONAL LANDFILL BUILDING NUMBERS

North Flare Station



Source: KCSWD, February 2012



King County

Landfill Gas Structure Monitoring Location

Environmental Monitoring Sampling and Analysis Plan

DATE:
February 2012

DESIGNED BY:

DRAWN BY:

REVISED BY:

PROJECT NO.

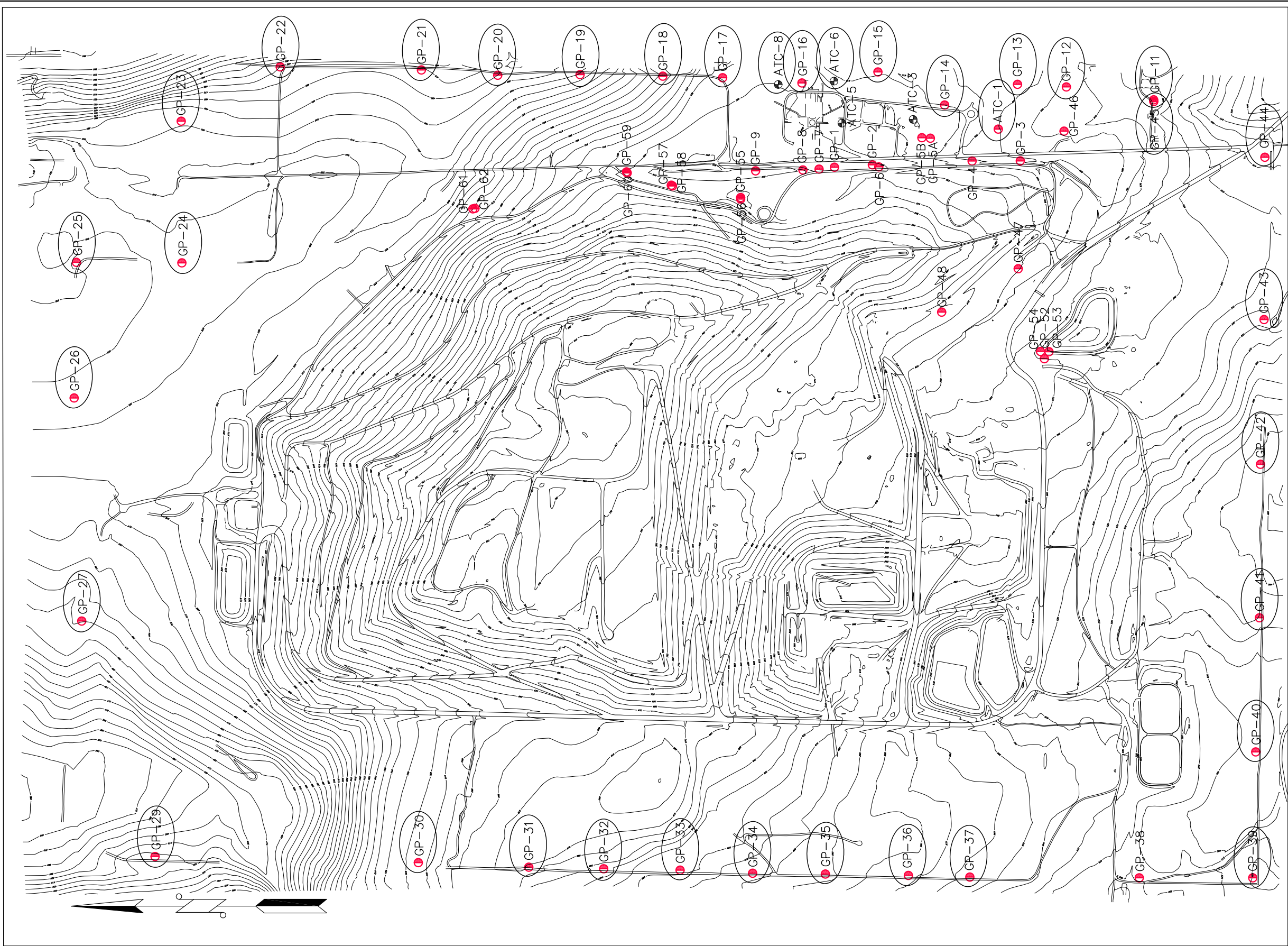
FIGURE NO.

**THIRD QUARTER
BUILDING MONITORING**

 King County	INSTRUMENT: Place check by instrument used :				WEATHER: Sunny	DATE: 07/21/19	
	Foxboro TVA 1000 (sn. 301)					TECH: BL/SR	
	Foxboro TVA 1000 (sn. 732)						
ENVIS ID	BLDG #	DESCRIPTION	CH ₄ (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME	
GOC- 07/21/19	1	FRONT OFFICE	X		29.89	8:05	
GCR- 07/21/19	2	CONF ROOM	X				
GAO- 07/21/19	3	PAYROLL OFFICE	X				
GEO- 07/21/19	4	ENGR. OFFICE	X				
GLRC- 07/21/19	5	LUNCHROOM	X				
GSPC 07/21/19		SPOC	X				
GELO- 07/21/19 A	6A	DRY STORAGE	X				
GELO- 07/21/19 B	6B	ELECTRICIAN OFFICE	X				
GAP- 07/21/19		ACCOUNT PAYABLE	X				
GSO- 07/21/19 A	7A	SHOP OFFICE	X				
GPR- 07/21/19 B	7B	PARTS ROOM	X				
GMS- 07/21/19 C	7C	SHOP PIT AREA/BAY	X				
GTB- 07/21/19 D	7D	SHOP TIRE BAY	X				
GEW- 07/21/19 E	7E	EAST WELD SHOP	X				
GWW- 07/21/19 F	7F	WEST WELD SHOP	X				
GCS- 07/21/19	8	CARPENTER'S	X				
GSS- 07/21/19	9	WASTEWATER	N/A	Building Removed			
GSS- 07/21/19 B	9B	CARPENTER/STORAGE	X				
GSH- 07/21/19	10	SCALEHOUSE	X				
GB13- 07/21/19	13	WW COMPRESSOR	X				
GB16- 07/21/19	16	GENERATOR	X				
GB19- 07/21/19	19	LEPS (P.S.# 5)	X				
GB19- 07/21/19 B	19B	LEPS/H ₂ O ₂ ROOM	X				
GB20- 07/21/19	20	LEPS ELEC PANALS	X				
GB21- 07/21/19	21	STORAGE(OLD PS 1)	X				
GB22- 07/21/19	22	STORAGE/N FLARE	X				
GB23- 07/21/19	23	LFGAS	X				
GB24- 07/21/19	24	NE GENERATOR BLDG	X				
GBWW- 07/21/19	30	WOMEN BRK RM	X				
GPWT- 07/21/19	PW	PRESSURE WASH RM	X				
GBRR- 07/21/19	RR	TRUCKWASH RR W	X				
GBSS- 07/21/19	SS	TRUCKWASH RR E	X				
GBZZ- 07/21/19	29	MANAGERS TRAILER	X				
GBPT- 07/21/19		CCG FASTER					
GCLS- 07/21/19		CHLORINE SHED	X				

**Landfill Gas Monitoring Data
(4Q2019)**

Compliance Probes (4Q2019)



- LEGEND**
- INTERIOR LFG MONITORING PROBES
 - LFG MIGRATION MONITORING PROBES

GP-61	172389.358	1701669.133	561.42	563.673	563.18	GP61 TOP LID
GP-62	172375.658	1701672.384	563.35	565.703	565.28	GP62 TOP LID
GP-59	171373.815	1701913.385	633.45	635.991	635.45	GP59 TOP LID
GP-60	171369.626	1701906.243	633.68	636.366	635.84	GP60 TOP LID
GP-57	171077.878	1701825.385	637.02	639.432	639.00	GP57 TOP LID
GP-58	171070.016	1701820.583	637.56	640.345	639.81	GP58 TOP LID
GP-56	170619.58	1701733.666	641.07	644.03	643.57	GP56 TOP LID
GP-55	170619.474	1701744.081	640.99	643.621	643.09	GP55 TOP LID

DATE	REVISION	BY

Northing	Easting	Elev	Description	Inst. Date
170,000.33	1,701,942.93	640.02	GP-1 CASE EL	1985/86
169,740.00	1,701,960.00	622.00	GP-2 CASE EL	1985/86
168,758.11	1,701,985.28	594.21	GP-3 CASE EL	1985/86
169,058.18	1,701,972.94	606.19	GP-4 CASE EL	1985/86
169,370.19	1,702,134.95	616.23	GP-5A GRND EL	1988
169,422.02	1,702,138.87	619.63	GP-5B CASE EL	1988
169,731.73	1,701,946.48	635.59	GP-6 CASE EL	1988
170,101.22	1,701,930.58	640.66	GP-7 CASE EL	1988
170,208.37	1,701,925.10	642.67	GP8 CASE EL	1988
170,519.95	1,701,919.34	645.27	GP-9 CASE EL	1988
			GP-10 NOT INSTALLED	1988
167,890.09	1,702,389.27	567.15	GP-11 CASE EL	1988
168,466.64	1,702,473.27	568.08	GP-12 CASE EL	1988
168,790.03	1,702,490.84	588.15	GP-13 CASE EL	1988
169,271.56	1,702,354.75	613.32	GP-14 CASE EL	1988
169,724.93	1,702,446.19	618.75	GP-15 CASE EL	1988
170,214.28	1,702,500.56	630.19	GP-16 CASE EL	1988
170,738.83	1,702,535.09	625.18	GP-17 CASE EL	1988
171,132.85	1,702,543.29	600.83	GP-18 CASE EL	1988
171,634.52	1,702,554.91	544.15	GP-19 CASE EL	1988
172,224.83	1,702,550.70	496.61	GP-20 CASE EL	1988
172,729.15	1,702,584.65	489.79	GP-21 CASE EL	1988
173,662.40	1,702,607.81	374.84	GP-22 CASE EL	1988
174,317.16	1,702,248.74	501.77	GP-23 CASE EL	1988
174,313.44	1,701,311.74	544.72	GP-24 CASE EL	1988
175,011.63	1,701,324.89	533.86	GP-25 CASE EL	1988
175,043.82	1,700,364.55	541.69	GP-26 CASE EL	1988
174,983.78	1,698,935.68	484.75	GP-27 CASE EL	1988
			GP-28 NOT INSTALLED	1988
174,455.39	1,697,385.67	431.05	GP-29 CASE EL	1988
172,787.40	1,697,339.61	644.62	GP-30 CASE EL	1988
172,013.96	1,697,321.72	673.37	GP-31 CASE EL	1988
171,524.28	1,697,308.08	647.57	GP-32 CASE EL	1988
171,017.18	1,697,293.36	625.03	GP-33 CASE EL	1988
170,537.12	1,697,287.04	604.93	GP-34 CASE EL	1988
170,083.32	1,697,286.32	596.28	GP-35 CASE EL	1988
169,510.89	1,697,265.94	574.92	GP-36 CASE EL	1988
169,049.03	1,697,252.08	557.38	GP-37 CASE EL	1988
167,909.72	1,697,243.54	523.57	GP-38 CASE EL	1988
167,239.45	1,697,232.41	541.03	GP-39 CASE EL	1988
167,205.68	1,698,100.32	502.77	GP-40 CASE EL	1988
167,191.96	1,698,965.50	482.97	GP-41 CASE EL	1988
167,183.37	1,699,979.90	457.95	GP-42 CASE EL	1988
167,160.00	1,700,961.11	536.86	GP-43 CASE EL	1988
167,135.28	1,702,007.20	529.11	GP-44 CASE EL	1994
167,888.74	1,702,378.77	567.47	GP-45 CASE EL	1994
168,482.15	1,702,182.52	589.79	GP-46 CASE EL	1994
168,783.75	1,701,272.71	600.07	GP-47 CASE EL	1994
169,289.65	1,700,985.98	616.56	GP-48 CASE EL	1994
168,612.91	1,700,710.62	561.13	GP-52 GRND EL	2001
168,601.99	1,700,711.34	561.02	GP-53 GRND EL	2001
168,617.89	1,700,717.53	561.20	GP-54 GRND EL	2001
168,916.92	1,702,195.87	591.29	GP-ATC-1 GRND EL	1985/86
169,479.79	1,702,259.97	616.25	GP-ATC-3 GRND EL	1985/86
			GP-ATC-4 ABANDONED/REMOVED	
169,950.42	1,702,235.30	625.65	GP-ATC-5 GRND EL	1985/86
170,002.70	1,702,512.99	620.16	GP-ATC-6 GRND EL	1985/86
170,371.26	1,702,490.56	629.94	GP-ATC-8 GRND EL	1985/86



KING COUNTY DEPARTMENT OF
NATURAL RESOURCES AND PARKS
SOLID WASTE DIVISION

CEDAR HILLS REGIONAL LANDFILL
LANDFILL GAS MIGRATION MONITORING PLAN

APPROVED VICTOR O. OKEREKE DATE 03-27-08
RECOMMENDED TOM THENO DATE 03-27-08
DESIGNED N/A DRAWN PHAM / McEWEN
PROJECT NO. _____ SURVEY NO. _____ SHEET 1 OF 1

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

October 2019 Monitoring Data

		CH4	CO2	O2	Lower Explosive Limit	Static Pressure	
Location ID	Date/Time	(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	Comments
ATC-1D	10/15/19 11:45 AM	0	0.1	21	0	-0.03	None
ATC-1S	10/15/19 11:44 AM	0	1.7	20.4	0	-0.02	None
ATC-6D	10/15/19 1:16 PM	0	0.8	18.6	0	-0.04	None
ATC-6S	10/15/19 1:14 PM	0	1	21	0	-0.02	None
ATC-8D	10/15/19 1:08 PM	0	2.3	19.8	0	0	None
ATC-8S	10/15/19 1:06 PM	0	0.3	14.4	0	0.13	None
GP-11A	10/15/19 11:32 AM	0	1.1	20.8	0	0	None
GP-11B	10/15/19 11:33 AM	0	0.2	20.6	0	-0.03	None
GP-11C	10/15/19 11:35 AM	0	0.1	21	0	-0.25	None
GP-11D	10/15/19 11:36 AM	0	0.1	21	0	-0.02	None
GP-12A	10/15/19 11:58 AM	0	0.2	21	0	-0.01	None
GP-12B	10/15/19 12:00 PM	0	0.1	21	0	0.02	None
GP-12C	10/15/19 12:02 PM	0	0.1	21	0	0.02	None
GP-12D	10/15/19 12:03 PM	0	0.2	21	0	0.05	None
GP-13A	10/15/19 11:51 AM	0	1.2	21	0	0	None
GP-13B	10/15/19 11:52 AM	0	0.2	20.9	0	0	None
GP-13C	10/15/19 11:53 AM	0	0.1	21	0	0.03	None
GP-13D	10/15/19 11:55 AM	0	0.2	20.9	0	0.01	None
GP-14A	10/15/19 12:10 PM	0	0.1	20.6	0	0	None
GP-14B	10/15/19 12:12 PM	0	0.1	21	0	-0.02	None
GP-15A	10/15/19 12:40 PM	0	0.2	21	0	0.01	None
GP-15C	10/15/19 12:41 PM	0	0.4	18.9	0	0.04	None
GP-15D	10/15/19 12:43 PM	0	0.1	21	0	0.02	None
GP-16A	10/15/19 12:58 PM	0	1.8	20.5	0	0.03	None
GP-16B	10/15/19 12:59 PM	0	0.2	21	0	0.06	None
GP-16C	10/15/19 1:01 PM	0	1	14.8	0	0.24	None
GP-17A	10/15/19 2:23 PM	0	0.1	21	0	0.04	None
GP-17B	10/15/19 2:25 PM	0	0.5	18.9	0	0.02	None
GP-17C	10/15/19 2:26 PM	0	0.1	21	0	0.05	None
GP-18A	10/15/19 2:29 PM	0	2.7	18.1	0	0.02	None
GP-18B	10/15/19 2:30 PM	0	0.2	19.7	0	0.04	None
GP-18C	10/15/19 2:32 PM	0	0.2	17.9	0	0.42	None
GP-19A	10/15/19 2:35 PM	0	1.5	19.2	0	-0.03	None
GP-19B	10/15/19 2:36 PM	0	0.7	16.9	0	-0.01	None
GP-19C	10/15/19 2:38 PM	0	0.1	21	0	-0.02	None
GP-20A	10/15/19 2:41 PM	0	1.1	21	0	-0.03	None
GP-20B	10/15/19 2:43 PM	0	0.2	20.9	0	0.02	None
GP-20C	10/15/19 2:45 PM	0	0.2	9.6	0	0	None
GP-21A	10/15/19 2:47 PM	0	0.1	21	0	0.06	None
GP-21B	10/15/19 2:49 PM	0	0.2	16.9	0	-0.02	None
GP-21C	10/15/19 2:50 PM	0	0.1	21	0	-0.05	None
GP-22A	10/15/19 2:54 PM	0	3.8	14.7	0	-0.03	None
GP-22C	10/15/19 2:56 PM	0	1.6	1.7	0	-0.05	None
GP-23A	10/15/19 3:03 PM	0	0.1	21	0	0.02	None
GP-23B	10/15/19 3:05 PM	0	0.1	21	0	0.02	None
GP-23C	10/15/19 3:06 PM	0	0.1	21	0	-0.01	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

October 2019 Monitoring Data

		CH4	CO2	O2	Lower Explosive Limit	Static Pressure	
Location ID	Date/Time	(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	Comments
GP-24A	10/15/19 3:15 PM	0	5	16.7	0	0.02	None
GP-24B	10/15/19 3:17 PM	0	1.3	19.3	0	0.35	None
GP-25	10/15/19 3:21 PM	0	3.8	16.9	0	-0.02	None
GP-26	10/15/19 3:25 PM	0	0.5	20.8	0	-0.05	None
GP-27	10/15/19 3:41 PM	0	10	9.5	0	0	None
GP-29A	10/15/19 3:30 PM	0	4.1	17.6	0	-0.05	None
GP-29B	10/15/19 3:32 PM	0	0.3	21	0	0.02	None
GP-30A	10/15/19 8:42 AM	0	1.5	19.8	0	0.02	None
GP-30B	10/15/19 8:44 AM	0	0.9	20	0	0.01	None
GP-31A	10/15/19 8:48 AM	0	6.4	14.4	0	0.01	None
GP-31B	10/15/19 8:49 AM	0	0.3	17.9	0	0.01	None
GP-31C	10/15/19 8:51 AM	0	0.9	19.4	0	-0.01	None
GP-32A	10/15/19 8:54 AM	0	0.1	21	0	0.01	None
GP-32B	10/15/19 8:55 AM	0	0.1	21	0	0.03	None
GP-32C	10/15/19 8:57 AM	0	0.1	21	0	-0.01	None
GP-33A	10/15/19 9:00 AM	0	3.3	17.1	0	0.02	None
GP-33B	10/15/19 9:02 AM	0	1.7	17.3	0	0.01	None
GP-33C	10/15/19 9:03 AM	0	0.2	21	0	0	None
GP-34A	10/15/19 9:06 AM	0	8.7	9.7	0	0	None
GP-34B	10/15/19 9:07 AM	0	0.2	20.4	0	0	None
GP-34C	10/15/19 9:10 AM	0	0.1	9.2	0	0.77	None
GP-35A	10/15/19 9:13 AM	0	4.5	17.3	0	0.02	None
GP-35B	10/15/19 9:14 AM	0	0.1	21	0	0	None
GP-35C	10/15/19 9:16 AM	0	0.1	21	0	0.02	None
GP-36A	10/15/19 9:18 AM	0	0.5	21	0	0.04	None
GP-36B	10/15/19 9:20 AM	0	3	18.6	0	0.02	None
GP-36C	10/15/19 9:21 AM	0	0.2	19.5	0	0.02	None
GP-37A	10/15/19 9:25 AM	0	2.3	18.6	0	0.01	None
GP-37B	10/15/19 9:26 AM	0	0.1	21	0	0.01	None
GP-37C	10/15/19 9:28 AM	0	0.5	8.1	0	0.05	None
GP-39	10/15/19 10:46 AM	0	1	19.3	0	0.03	None
GP-40	10/15/19 10:50 AM	0	0.1	21	0	0.05	None
GP-41A	10/15/19 11:02 AM	0	2.8	19.3	0	0	None
GP-41B	10/15/19 11:03 AM	0	0.5	13.9	0	-0.03	None
GP-41C	10/15/19 11:05 AM	0	0.1	20.9	0	0.02	None
GP-42A	10/15/19 11:09 AM	0	0.3	19.7	0	0.03	None
GP-42B	10/15/19 11:10 AM	0	0.5	19.6	0	-0.02	None
GP-43A	10/15/19 11:13 AM	0	0.1	21	0	0.04	None
GP-43B	10/15/19 11:15 AM	0	0.1	21	0	0.03	None
GP-43C	10/15/19 11:16 AM	0	0.1	20.4	0	0.04	None
GP-44A	10/15/19 11:19 AM	0	0.1	21	0	0	None
GP-44B	10/15/19 11:21 AM	0	0.1	21	0	-0.03	None
GP-44C	10/15/19 11:22 AM	0	0.1	21	0	-0.01	None
GP-45D	10/15/19 11:30 AM	0	0.1	21	0	-0.04	None
GP-45I	10/15/19 11:28 AM	0	0.1	21	0	-0.02	None
GP-45S	10/15/19 11:27 AM	0	0.1	20.1	0	-0.01	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

November 2019 Monitoring Data

		CH4	CO2	O2	Lower Explosive Limit	Static Pressure	
Location ID	Date/Time	(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	Comments
ATC-1D	11/21/19 2:48 PM	0	0.1	20.6	0	0.04	None
ATC-1S	11/21/19 2:46 PM	0	0.1	20.5	0	0.06	None
ATC-6D	11/23/19 1:41 PM	0	1	12.1	0	0.77	None
ATC-6S	11/23/19 1:40 PM	0	0.6	20.8	0	0.04	None
ATC-8D	11/23/19 1:31 PM	0	5.1	15.6	0	0.02	None
ATC-8S	11/23/19 1:29 PM	0	0.6	16.5	0	0.13	None
GP-11A	11/21/19 2:25 PM	0	0.7	18.9	0	0.06	None
GP-11B	11/21/19 2:27 PM	0	0.1	19.7	0	0.38	None
GP-11C	11/21/19 2:29 PM	0	0.1	19.8	0	0.49	None
GP-11D	11/21/19 2:31 PM	0	0.1	19.8	0	0.13	None
GP-12A	11/21/19 2:55 PM	0	0.5	20.4	0	0	None
GP-12B	11/21/19 2:57 PM	0	0.1	20.9	0	0.03	None
GP-12C	11/21/19 3:00 PM	0	0.2	19.3	0	1.31	None
GP-12D	11/21/19 3:03 PM	0	0.3	19.4	0	1.08	None
GP-13A	11/21/19 3:07 PM	0	0.1	21	0	0	None
GP-13B	11/21/19 3:10 PM	0	0.2	20.9	0	-0.02	None
GP-13C	11/21/19 3:11 PM	0	0.1	21	0	-0.01	None
GP-13D	11/21/19 3:13 PM	0	0.2	20.2	0	0.44	None
GP-14A	11/21/19 3:18 PM	0	0.1	20.5	0	0	None
GP-14B	11/21/19 3:20 PM	0	0.1	21	0	0.12	None
GP-15A	11/21/19 3:51 PM	0	0.2	21	0	-0.21	None
GP-15C	11/21/19 3:53 PM	0	0.9	16.4	0	-0.02	None
GP-15D	11/21/19 3:55 PM	0	0.1	21	0	0.01	None
GP-16A	11/23/19 1:34 PM	0	0.2	21	0	0.04	None
GP-16B	11/23/19 1:35 PM	0	0.2	21	0	-0.06	None
GP-16C	11/23/19 1:37 PM	0	0.2	21	0	-1.93	None
GP-17A	11/23/19 1:50 PM	0	0.9	12.4	0	1.07	None
GP-17B	11/23/19 1:53 PM	0	0.7	18.1	0	0.05	None
GP-17C	11/23/19 1:54 PM	0	0.2	21	0	-1.77	None
GP-18A	11/23/19 1:57 PM	0	0.2	20.7	0	0.04	None
GP-18B	11/23/19 1:59 PM	0	0.3	18.9	0	0.05	None
GP-18C	11/23/19 2:00 PM	0	0.2	21	0	-1.78	None
GP-19A	11/23/19 2:05 PM	0	0.2	21	0	0.03	None
GP-19B	11/23/19 2:06 PM	0	0.8	16.4	0	0.05	None
GP-19C	11/23/19 2:08 PM	0	0.2	21	0	-0.08	None
GP-20A	11/23/19 2:16 PM	0	0.1	21	0	0.05	None
GP-20B	11/23/19 2:17 PM	0	0.3	19	0	0.03	None
GP-20C	11/23/19 2:19 PM	0	0.3	8.3	0	0.06	None
GP-21A	11/23/19 2:26 PM	0	0.2	20.8	0	0.06	None
GP-21B	11/23/19 2:28 PM	0	0.2	10.9	0	0.05	None
GP-21C	11/23/19 2:32 PM	0	0.2	11.2	0	-0.61	None
GP-22A	11/23/19 2:38 PM	0	1.3	18.2	0	0.15	None
GP-22C	11/23/19 2:40 PM	0	1.7	2	0	-1.21	None
GP-23A	11/23/19 2:53 PM	0	0.1	21	0	-0.01	None
GP-23B	11/23/19 2:54 PM	0	0.1	21	0	0.06	None
GP-23C	11/23/19 2:56 PM	0	0.1	21	0	0.05	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

November 2019 Monitoring Data

		CH4	CO2	O2	Lower Explosive Limit	Static Pressure	
Location ID	Date/Time	(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	Comments
GP-24A	11/23/19 3:03 PM	0	6.4	13.7	0	0.01	None
GP-24B	11/23/19 3:05 PM	0	1.1	20.2	0	-0.76	None
GP-25	11/23/19 3:08 PM	0	4.3	13.6	0	-0.03	None
GP-26	11/23/19 3:13 PM	0	0.6	19.7	0	-0.02	None
GP-27	11/23/19 3:19 PM	0	10.1	9.5	0	-0.05	None
GP-29A	11/23/19 3:27 PM	0	2.3	17.3	0	-0.06	None
GP-29B	11/23/19 3:28 PM	0	0.3	21	0	-0.09	None
GP-30A	11/21/19 10:37 AM	0	2	19	0	-0.02	None
GP-30B	11/21/19 10:41 AM	0	1	19.8	0	-0.14	None
GP-31A	11/21/19 10:45 AM	0	6.8	13.3	0	-0.01	None
GP-31B	11/21/19 10:47 AM	0	0.3	17.3	0	0.01	None
GP-31C	11/21/19 10:50 AM	0	1.1	19.1	0	0	None
GP-32A	11/21/19 10:54 AM	0	0.1	21	0	0	None
GP-32B	11/21/19 10:56 AM	0	0.2	21	0	0	None
GP-32C	11/21/19 10:58 AM	0	0.2	21	0	-0.01	None
GP-33A	11/21/19 11:02 AM	0	3.1	16.8	0	-0.01	None
GP-33B	11/21/19 11:05 AM	0	1.4	16	0	-0.03	None
GP-33C	11/21/19 11:08 AM	0	0.2	21	0	-0.34	None
GP-34A	11/21/19 11:12 AM	0	0.1	21	0	-0.12	None
GP-34B	11/21/19 11:14 AM	0	0.2	21	0	-0.01	None
GP-34C	11/21/19 11:16 AM	0	0.1	13.3	0	0.21	None
GP-35A	11/21/19 11:20 AM	0	0.1	21	0	-0.05	None
GP-35B	11/21/19 11:22 AM	0	0.1	21	0	-0.01	None
GP-35C	11/21/19 11:25 AM	0	0.1	21	0	-0.02	None
GP-36A	11/21/19 11:29 AM	0	0.4	14.5	0	0.64	None
GP-36B	11/21/19 11:31 AM	0	0.1	21	0	-0.04	None
GP-36C	11/21/19 11:33 AM	0	0.2	20.4	0	-0.02	None
GP-37A	11/21/19 11:37 AM	0	0.1	21	0	-0.03	None
GP-37B	11/21/19 11:38 AM	0	0.1	21	0	-0.02	None
GP-37C	11/21/19 11:43 AM	0	0.5	5.9	0	0.37	None
GP-39	11/21/19 11:49 AM	0	1	18	0	0	None
GP-40	11/21/19 11:52 AM	0	0.1	20.4	0	-0.03	None
GP-41A	11/21/19 11:57 AM	0	3.8	16.7	0	-0.01	None
GP-41B	11/21/19 11:59 AM	0	0.8	6.7	0	-0.02	None
GP-41C	11/21/19 12:01 PM	0	0.1	20.6	0	-0.02	None
GP-42A	11/21/19 12:05 PM	0	0.1	20.7	0	-0.03	None
GP-42B	11/21/19 12:08 PM	0	0.6	18.2	0	0.15	None
GP-43A	11/21/19 12:11 PM	0	0.1	20.3	0	-0.04	None
GP-43B	11/21/19 12:13 PM	0	0.1	20.8	0	-0.06	None
GP-43C	11/21/19 12:16 PM	0	0.1	20.8	0	0	None
GP-44A	11/21/19 12:20 PM	0	0.1	20.8	0	-0.04	None
GP-44B	11/21/19 12:24 PM	0	0.9	9.5	0	2.57	None
GP-44C	11/21/19 12:26 PM	0	0.1	20.8	0	-0.01	None
GP-45D	11/21/19 2:39 PM	0	0.1	19.8	0	0.56	None
GP-45I	11/21/19 2:36 PM	0	0.1	19.4	0	0.11	None
GP-45S	11/21/19 2:34 PM	0	0.1	19.9	0	0.1	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

December 2019 Monitoring Data

		CH4	CO2	O2	Lower Explosive Limit	Static Pressure	
Location ID	Date/Time	(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	Comments
ATC-1D	12/16/19 9:22 AM	0	0.2	20.7	0	-0.83	None
ATC-1S	12/16/19 9:20 AM	0	0.3	20.6	0	0.99	None
ATC-6D	12/16/19 11:05 AM	0	1.2	8.6	0	-0.32	None
ATC-6S	12/16/19 11:04 AM	0	0.3	20.3	0	-0.05	None
ATC-8D	12/16/19 10:55 AM	0	0.3	20.2	0	0.05	None
ATC-8S	12/16/19 10:53 AM	0	0.7	14.3	0	-0.42	None
GP-11A	12/16/19 9:05 AM	0	0.8	19.9	0	0.06	None
GP-11B	12/16/19 9:06 AM	0	0.2	20.7	0	-0.65	None
GP-11C	12/16/19 9:08 AM	0	0.2	20.7	0	-0.69	None
GP-11D	12/16/19 9:10 AM	0	0.2	20.7	0	0.02	None
GP-12A	12/16/19 9:37 AM	0	0.2	21	0	-0.01	None
GP-12B	12/16/19 9:38 AM	0	0.2	21	0	0.04	None
GP-12C	12/16/19 9:40 AM	0	0.3	17.7	0	-4.03	None
GP-12D	12/16/19 9:41 AM	0	0.7	15	0	-4.22	None
GP-13A	12/16/19 9:27 AM	0	0.2	20.8	0	0	None
GP-13B	12/16/19 9:29 AM	0	0.2	20.8	0	-0.01	None
GP-13C	12/16/19 9:31 AM	0	0.2	20.9	0	-0.05	None
GP-13D	12/16/19 9:32 AM	0	0.2	21	0	-3.43	None
GP-14A	12/16/19 9:48 AM	0	0.2	20.9	0	-1.12	None
GP-14B	12/16/19 9:50 AM	0	0.2	20.9	0	-1.23	None
GP-15A	12/16/19 10:13 AM	0	0.7	20.4	0	-0.06	NR WATER
GP-15C	12/16/19 10:16 AM	0	1.3	16.2	0	-0.02	None
GP-15D	12/16/19 10:17 AM	0	0.3	20.6	0	-0.97	None
GP-16A	12/16/19 10:58 AM	0	0.3	20.2	0	0.03	None
GP-16B	12/16/19 10:59 AM	0	0.3	20.3	0	-3.27	None
GP-16C	12/16/19 11:00 AM	0	0.3	20.3	0	-3.73	None
GP-17A	12/16/19 12:45 PM	0	0.4	21	0	-4.31	NR WATER
GP-17B	12/16/19 12:47 PM	0	1.1	17.1	0	0.02	None
GP-17C	12/16/19 12:49 PM	0	0.2	21	0	-3.25	None
GP-18A	12/16/19 12:52 PM	0	0.3	21	0	0.11	NR WATER
GP-18B	12/16/19 12:54 PM	0	0.6	14.8	0	0.02	None
GP-18C	12/16/19 12:55 PM	0	0.2	21	0	-3.4	None
GP-19A	12/16/19 12:58 PM	0	0.2	21	0	0	None
GP-19B	12/16/19 1:00 PM	0	1	15.9	0	0.02	None
GP-19C	12/16/19 1:01 PM	0	0.2	21	0	-0.24	None
GP-20A	12/16/19 1:05 PM	0	0.2	21	0	0	None
GP-20B	12/16/19 1:06 PM	0	0.4	18.9	0	0	None
GP-20C	12/16/19 1:08 PM	0	0.4	6	0	0.41	None
GP-21A	12/16/19 1:12 PM	0	0.2	21	0	-0.01	None
GP-21B	12/16/19 1:13 PM	0	0.3	10	0	-0.01	None
GP-21C	12/16/19 1:14 PM	0	0.2	12.7	0	0.15	NR WATER
GP-22A	12/16/19 1:18 PM	0	1.4	19.8	0	2.45	None
GP-22C	12/16/19 1:19 PM	0	1.8	1.7	0	-3.41	None
GP-23A	12/16/19 1:25 PM	0	0.2	21	0	-0.02	None
GP-23B	12/16/19 1:26 PM	0	0.2	21	0	-0.72	None
GP-23C	12/16/19 1:28 PM	0	0.2	21	0	0.4	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Compliance Probes

December 2019 Monitoring Data

		CH4	CO2	O2	Lower Explosive Limit	Static Pressure	
Location ID	Date/Time	(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	Comments
GP-24A	12/16/19 1:33 PM	0	6.1	11.2	0	-0.03	None
GP-24B	12/16/19 1:34 PM	0	4.8	16.9	0	-0.04	None
GP-25	12/16/19 1:38 PM	0	4.2	13.7	0	-0.02	None
GP-26	12/16/19 1:42 PM	0	1.2	18.6	0	0.12	None
GP-27	12/16/19 1:46 PM	0	10.2	8.8	0	-0.05	None
GP-29A	12/16/19 1:51 PM	0	3.6	16.2	0	-0.01	None
GP-29B	12/16/19 1:52 PM	0	0.7	20.8	0	-0.31	None
GP-30A	12/16/19 6:51 AM	0	2.2	19.9	0	0	None
GP-30B	12/16/19 6:52 AM	0	1.2	20.6	0	-0.62	None
GP-31A	12/16/19 6:57 AM	0	6.9	14	0	0.04	None
GP-31B	12/16/19 6:59 AM	0	0.4	19.8	0	-0.41	None
GP-31C	12/16/19 7:01 AM	0	1.7	18.5	0	0.01	None
GP-32A	12/16/19 7:04 AM	0	0.8	20.6	0	0.02	None
GP-32B	12/16/19 7:06 AM	0	0.5	21	0	0.05	None
GP-32C	12/16/19 7:08 AM	0	0.5	21	0	0.01	None
GP-33A	12/16/19 7:12 AM	0	1.6	18.8	0	6.82	None
GP-33B	12/16/19 7:14 AM	0	0.2	21	0	-0.55	None
GP-33C	12/16/19 7:16 AM	0	0.2	21	0	-1.19	None
GP-34A	12/16/19 7:21 AM	0	0.3	21	0	12.88	NR WATER
GP-34B	12/16/19 7:23 AM	0	0.2	21	0	0	None
GP-34C	12/16/19 7:24 AM	0	0.2	21	0	-3.09	None
GP-35A	12/16/19 7:28 AM	0	0.3	20.8	0	1.07	None
GP-35B	12/16/19 7:30 AM	0	0.2	20.9	0	0.09	None
GP-35C	12/16/19 7:31 AM	0	0.2	21	0	-0.07	None
GP-36A	12/16/19 7:35 AM	0	0.7	20.2	0	-0.13	None
GP-36B	12/16/19 7:37 AM	0	0.2	20.9	0	0.01	None
GP-36C	12/16/19 7:39 AM	0	0.3	18.3	0	-1.41	None
GP-37A	12/16/19 7:44 AM	0	0.3	18.8	0	-0.02	NR WATER
GP-37B	12/16/19 7:50 AM	0	0.2	21	0	-0.48	NR PLUGGED
GP-37C	12/16/19 7:54 AM	0	0.8	4	0	-3.22	None
GP-39	12/16/19 8:15 AM	0	1.6	17.5	0	-0.1	None
GP-40	12/16/19 8:19 AM	0	0.2	19.5	0	-0.03	None
GP-41A	12/16/19 8:24 AM	0	0.6	19.8	0	0.03	None
GP-41B	12/16/19 8:26 AM	0	0.3	20	0	0.12	None
GP-41C	12/16/19 8:27 AM	0	0.2	20.2	0	0.03	None
GP-42A	12/16/19 8:34 AM	0	0.3	20.3	0	0.03	NR WATER
GP-42B	12/16/19 8:36 AM	0	1.1	17.1	0	-1.09	None
GP-43A	12/16/19 8:42 AM	0	0.3	20.2	0	0.09	NR PLUGGED
GP-43B	12/16/19 8:44 AM	0	0.2	20.6	0	-0.01	None
GP-43C	12/16/19 8:46 AM	0	0.2	20.6	0	-0.08	None
GP-44A	12/16/19 8:51 AM	0	0.2	20.6	0	0	None
GP-44B	12/16/19 8:52 AM	0	1.2	8.5	0	0.85	None
GP-44C	12/16/19 8:54 AM	0	0.2	20.7	0	0.04	None
GP-45D	12/16/19 9:03 AM	0	0.2	20.7	0	-0.88	None
GP-45I	12/16/19 9:01 AM	0	0.2	20.8	0	-0.04	None
GP-45S	12/16/19 8:59 AM	0	0.2	20.7	0	0.03	None

Interior Probes
(4Q2019)

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Interior Probes

October 2019 Monitoring Data

Location ID	Date/Time	CH ₄ (% Vol)	CO ₂ (% Vol)	O ₂ (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	10/15/19 12:36 PM	0.0	0.1	21	0	0.03	None
GP-3	10/9/19 10:35 PM	0.0	15.5	1.6	0	-0.09	None
ATC-3S	10/15/19 12:33 PM	0.0	2.6	19.1	0	-0.03	None
GP-1A	10/9/19 9:45 PM	0.0	0.1	21	0	-0.05	None
GP-1B	10/9/19 9:47 PM	0.0	0.5	20.8	0	0.03	None
GP-2A	10/9/19 10:10 PM	0.0	8.3	10.6	0	0.02	None
GP-2B	10/9/19 10:12 PM	0.0	0.2	21	0	-0.04	None
GP-46D	10/9/19 10:44 PM	0.0	0.1	21	0	-2.99	None
GP-46I	10/9/19 10:42 PM	0.0	0.1	21	0	-4.89	None
GP-46S	10/9/19 10:41 PM	0.0	0.2	21	0	-0.39	None
GP-47D	10/15/19 4:14 PM	0.1	1.1	18.8	2	0.04	None
GP-47I	10/15/19 4:12 PM	35.3	21.2	0.1	>>>	1.27	None
GP-47S	10/15/19 4:11 PM	61.3	21.4	0.2	>>>	0.02	None
GP-48D	10/9/19 10:54 PM	0.0	0.1	21	0	-3.94	None
GP-48I	10/9/19 10:52 PM	0.0	0.2	21	0	-0.11	None
GP-48S	10/9/19 10:51 PM	0.0	0.2	20.9	0	-0.07	None
GP-4A	10/9/19 10:21 PM	0.0	0.2	21	0	-0.08	None
GP-4B	10/9/19 10:23 PM	0.0	0.1	21	0	-0.07	None
GP-52	10/15/19 4:01 PM	0.0	0.1	21	0	0.01	None
GP-53	10/15/19 4:05 PM	0.0	0.4	20.4	0	0.09	None
GP-54	10/15/19 4:03 PM	5.5	9.5	8.6	110	0.01	None
GP-55	10/9/19 9:24 PM	0.0	0.1	21	0	-3.63	None
GP-56	10/9/19 9:23 PM	0.0	2.6	16.6	0	0.04	None
GP-57	10/9/19 9:16 PM	0.3	1.5	19.8	6	-7.31	None
GP-58	10/9/19 9:12 PM	0.0	16.7	5	0	-0.03	None
GP-59	10/9/19 9:05 PM	0.0	0.1	21	0	-1.92	None
GP-5A	10/15/19 12:18 PM	0.0	0.4	15.1	0	0.06	None
GP-5BA	10/15/19 12:23 PM	0.0	0.2	21	0	0.02	None
GP-5BB	10/15/19 12:26 PM	0.0	1.5	9.7	0	-0.01	None
GP-5BC	10/15/19 12:27 PM	0.0	0.8	9.1	0	0	None
GP-5BD	10/15/19 12:29 PM	0.0	0.9	10	0	0.01	None
GP-60	10/9/19 9:02 PM	0.0	0.2	21	0	-0.01	None
GP-61	10/9/19 8:49 PM	0.0	0.1	21	0	-1.69	None
GP-62	10/9/19 8:47 PM	0.0	1.8	19.5	0	-0.01	None
GP-6A	10/9/19 9:52 PM	0.0	0.1	21	0	-4.69	None
GP-6B	10/9/19 9:54 PM	0.0	0.1	21	0	-4.15	None
GP-6C	10/9/19 9:56 PM	0.0	0.1	21	0	-4.09	None
GP-6D	10/9/19 9:58 PM	0.0	0.1	21	0	-4.36	None
GP-6E	10/9/19 10:00 PM	0.0	0.1	21	0	-4.13	None
GP-6F	10/9/19 10:02 PM	0.0	0.1	21	0	-4.13	None
GP-6G	10/9/19 10:03 PM	0.0	0.1	21	0	-4.12	None
GP-6H	10/9/19 10:05 PM	0.0	0.1	21	0	-4.4	None
GP-7	10/9/19 9:38 PM	0.0	0.1	21	0	-4.02	None
GP-8	10/9/19 9:33 PM	0.0	0.1	21	0	-3.93	None
GP-9	10/9/19 8:56 PM	0.0	0.1	21	0	-4	None
GP-B4-1	10/9/19 10:28 PM	0.0	0.1	21	0	-4.5	None
GP-B4-2	10/9/19 10:30 PM	0.0	0.1	21	0	-3.66	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Interior Probes

November 2019 Monitoring Data

		CH ₄	CO ₂	O ₂	Lower Explosive Limit	Static Pressure	
Location ID	Date/Time	(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	Comments
ATC-3D	11/21/19 3:46 PM	0.0	0.0	0	0	0	NR H2o
ATC-3S	11/21/19 3:41 PM	0.0	2.7	16.2	0	-0.1	None
GP-46D	11/25/19 10:21 PM	0.0	0.3	21	0	0.4	None
GP-46I	11/25/19 10:19 PM	0.0	0.2	21	0	-0.39	None
GP-46S	11/25/19 10:18 PM	0.0	0.4	16.5	0	0.01	None
GP-47D	11/23/19 1:19 PM	0.0	0.5	20.2	0	-0.02	None
GP-47I	11/23/19 1:18 PM	46.6	21.6	0.8	>>>	-1.58	None
GP-47S	11/23/19 1:16 PM	0.0	0.2	20.8	0	-1.65	None
GP-48D	11/25/19 10:34 PM	0.0	0.3	20.7	0	0.59	None
GP-48I	11/25/19 10:33 PM	0.0	0.4	20.5	0	-0.08	None
GP-48S	11/25/19 10:31 PM	0.0	1.8	11.6	0	-0.02	None
GP-4A	11/25/19 9:56 PM	0.0	0.2	21.1	0	-0.03	None
GP-4B	11/25/19 9:57 PM	0.0	0.4	21	0	0.1	None
GP-52	11/23/19 1:08 PM	0.0	0.2	20.5	0	0.03	None
GP-53	11/23/19 1:10 PM	0.0	0.6	19	0	-0.02	None
GP-54	11/23/19 1:06 PM	0.0	0.3	20	0	-0.1	None
GP-55	11/25/19 9:08 PM	0.0	0.4	21	0	0.11	None
GP-56	11/25/19 9:09 PM	0.0	0.7	21	0	-0.06	None
GP-57	11/25/19 9:01 PM	47.3	23.9	3.2	>>>	-7.56	None
GP-58	11/25/19 9:04 PM	0.0	12.1	10.3	0	9.56	None
GP-59	11/25/19 8:52 PM	0.1	1.6	16.1	2	0.13	None
GP-5A	11/21/19 3:26 PM	0.0	0.3	18.3	0	0.43	None
GP-1A	11/25/19 9:22 PM	0.0	0.3	21	0	-0.09	None
GP-1B	11/25/19 9:24 PM	0.0	0.3	21	0	0.04	None
GP-5BA	11/21/19 3:29 PM	0.0	0.4	20.5	0	-0.07	None
GP-5BB	11/21/19 3:32 PM	0.0	1.5	13	0	0.39	None
GP-5BC	11/21/19 3:34 PM	0.0	1.0	9.7	0	0.54	None
GP-2A	11/25/19 9:49 PM	0.0	7.6	11.3	0	0	None
GP-2B	11/25/19 9:51 PM	0.0	0.4	20.9	0	-0.03	None
GP-5BD	11/21/19 3:36 PM	0.0	1.0	10	0	0.35	None
GP-3	11/25/19 10:10 PM	0.1	2.2	20	2	-1.63	None
GP-60	11/25/19 8:54 PM	0.0	0.4	21	0	-0.04	None
GP-61	11/25/19 8:34 PM	0.0	1.4	20.3	0	0.07	None
GP-62	11/25/19 8:36 PM	0.0	2.2	19.3	0	-0.01	None
GP-6A	11/25/19 9:32 PM	0.0	0.2	21	0	0.07	None
GP-6B	11/25/19 9:33 PM	0.0	0.3	21.9	0	0.33	None
GP-6C	11/25/19 9:37 PM	0.0	0.2	20.9	0	0.47	None
GP-6D	11/25/19 9:39 PM	0.0	0.2	20.9	0	0.03	None
GP-6E	11/25/19 9:40 PM	0.0	0.3	21	0	0.55	None
GP-6F	11/25/19 9:42 PM	0.0	0.2	21	0	0.52	None
GP-6G	11/25/19 9:43 PM	0.0	1.6	14.1	0	0.43	None
GP-6H	11/25/19 9:45 PM	0.0	0.2	21	0	0.01	None
GP-7	11/25/19 9:18 PM	0.0	0.4	21	0	0.02	None
GP-8	11/25/19 9:14 PM	0.0	15.7	4.2	0	0.32	None
GP-9	11/25/19 8:43 PM	0.0	0.2	21	0	0.09	None
GP-B4-1	11/25/19 10:01 PM	0.0	0.3	21.1	0	-0.04	None
GP-B4-2	11/25/19 10:02 PM	0.0	0.5	21	0	0.2	None

CEDAR HILLS REGIONAL LANDFILL

Landfill Gas Interior Probes

December 2019 Monitoring Data

		CH ₄	CO ₂	O ₂	Lower Explosive Limit	Static Pressure	
Location ID	Date/Time	(% Vol)	(% Vol)	(% Vol)	(% LEL)	(in INWC)	Comments
ATC-3D	12/16/19 10:43 AM	0.0	5.8	13.7	0	1.21	NR WATER
ATC-3S	12/16/19 10:41 AM	0.0	6.1	13.9	0	-0.58	None
GP-46D	12/12/19 4:30 AM	0.0	0.1	21	0	0.37	None
GP-46I	12/12/19 4:28 AM	0.0	0.1	21	0	0.6	None
GP-46S	12/12/19 4:27 AM	0.0	0.2	16.3	0	-0.02	None
GP-47D	12/16/19 11:15 AM	0.0	0.8	14.4	0	-1.13	None
GP-47I	12/16/19 11:13 AM	49.1	22.8	0.2	>>>	-3.16	None
GP-47S	12/16/19 11:12 AM	0.0	0.2	20.2	0	-3.11	None
GP-48D	12/12/19 5:47 AM	10.9	9.6	0.8	218	1.01	None
GP-48I	12/12/19 5:45 AM	0.0	0.2	21	0	-0.58	None
GP-48S	12/12/19 5:43 AM	0.0	1.0	14.6	0	-0.09	None
GP-4A	12/12/19 5:24 AM	0.0	0.1	21	0	-0.09	None
GP-4B	12/12/19 5:26 AM	0.0	0.1	21	0	-0.13	None
GP-52	12/16/19 11:22 AM	0.0	0.4	19.4	0	-0.1	None
GP-53	12/16/19 11:24 AM	0.0	0.7	18.7	0	-0.64	None
GP-54	12/16/19 11:26 AM	0.0	0.3	20.2	0	-1.33	None
GP-55	12/12/19 4:13 AM	29.3	11.8	0.7	>>>	0.77	None
GP-56	12/12/19 4:16 AM	0.0	0.9	20.9	0	-0.04	None
GP-57	12/12/19 4:04 AM	52.9	24.4	2.6	>>>	-7.8	None
GP-58	12/12/19 4:09 AM	0.0	20.0	4.6	0	0.2	None
GP-59	12/12/19 3:58 AM	11.9	4.5	11.1	238	0.5	None
GP-5A	12/16/19 10:08 AM	0.0	0.9	12.2	0	-4.84	None
GP-5BA	12/16/19 9:59 AM	0.0	1.0	20.6	0	-5.74	None
GP-5BB	12/16/19 10:02 AM	0.0	0.2	20.9	0	-4.85	None
GP-5BC	12/16/19 10:04 AM	0.0	0.2	20.9	0	-4.85	None
GP-5BD	12/16/19 10:05 AM	0.0	0.2	20.9	0	-4.4	None
GP-60	12/12/19 4:00 AM	0.0	0.2	20.9	0	-0.06	None
GP-61	12/12/19 3:43 AM	0.0	0.8	20.2	0	0.56	None
GP-3	12/12/19 5:39 AM	0.0	8.1	1.3	0	5.4	None
GP-62	12/12/19 3:46 AM	0.0	1.7	19.4	0	-0.02	None
GP-1A	12/12/19 4:48 AM	0.0	0.1	21	0	0	None
GP-1B	12/12/19 4:50 AM	0.0	2.7	16.1	0	0	None
GP-2A	12/12/19 5:15 AM	0.0	6.1	8.3	0	-0.01	None
GP-2B	12/12/19 5:17 AM	0.0	0.1	21	0	-0.07	None
GP-6A	12/12/19 4:56 AM	0.0	1.6	13.2	0	0.91	None
GP-6B	12/12/19 4:58 AM	0.0	0.1	21	0	1.01	None
GP-6C	12/12/19 5:00 AM	0.0	0.1	21	0	1.02	None
GP-6D	12/12/19 5:02 AM	0.0	4.4	0.6	0	0.64	None
GP-6E	12/12/19 5:03 AM	0.0	0.1	21	0	1.09	None
GP-6F	12/12/19 5:05 AM	0.0	0.1	21	0	0.98	None
GP-6G	12/12/19 5:07 AM	0.0	1.3	13.5	0	1.02	None
GP-6H	12/12/19 5:09 AM	0.0	3.5	4	0	0.57	None
GP-7	12/12/19 4:44 AM	0.0	2.9	14.7	0	0.98	None
GP-8	12/12/19 4:20 AM	0.0	3.3	15.9	0	0.9	None
GP-9	12/12/19 3:53 AM	0.0	0.1	21	0	1.03	None
GP-B4-1	12/12/19 5:32 AM	0.0	0.1	21	0	0.37	None
GP-B4-2	12/12/19 5:33 AM	0.0	1.9	19.8	0	0.47	None

Migration Probes (4Q2019)

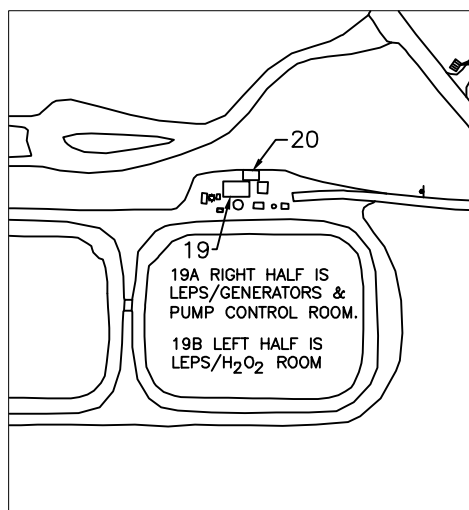


CEDAR HILLS REGIONAL LANDFILL
West Perimeter Landfill Gas Migration Control Probes
Fourth Quarter 2019 Monitoring Data

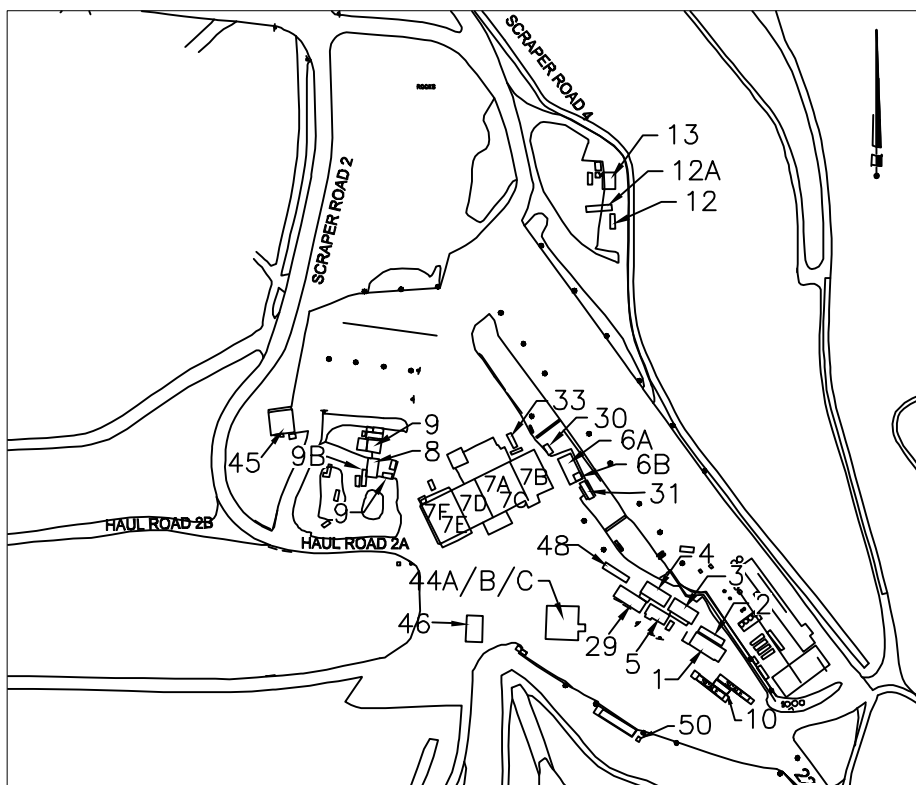
Probe ID	Date	Time	Barometric Pressure in Hg	CH4 %vol	CO2 %vol	O2 %vol	Static Pressure in INWC	Comments
MGPW 1700	10/12/2019	10:04am	29.92	0.0	0.2	20.7	-0.19	
MGPW 1700	10/18/2019	10:44am	29.85	0.1	0.2	21.0	0.05	
MGPW 1700	11/9/2019	9:56am	30.11	0.0	0.2	20.8	0.01	
MGPW 1700	11/22/2019	11:52am	30.1	0.1	0.3	20.9	-0.08	
MGPW 1700	12/1/2019	09:54am	29.86	0.0	0.0	20.6	0	
MGPW 1700	12/18/2019	10:20am	29.8	0.0	0.5	20.5	0.03	
MGPW 1708	10/12/2019	10:15am	29.92	0.0	0.3	21.0	-0.34	
MGPW 1708	10/18/2019	10:56am	29.95	0.1	0.1	21.0	-1.99	
MGPW 1708	11/9/2019	10:05am	30.11	0.1	0.4	20.9	-1.31	
MGPW 1708	11/22/2019	12:30pm	30.1	0.0	0.3	21.0	-2.15	
MGPW 1708	12/1/2019	09:50am	29.86	0.0	0.0	20.3	-1.32	
MGPW 1708	12/18/2019	10:25am	29.8	0.0	8.7	5.8	0.64	
MGPW 1710S	10/12/2019	10:24am	29.92	0.0	0.1	21.0	-0.38	
MGPW 1710S	10/18/2019	11:02am	29.85	0.0	0.2	21.0	-1.87	
MGPW 1710S	11/9/2019	10:18am	30.11	0.0	0.2	21.0	-1.30	
MGPW 1710S	11/22/2019	12:42pm	30.10	0.0	0.2	21.0	-2.01	
MGPW 1710S	12/1/2019	09:46am	29.86	0.0	0.0	20.8	-1.13	
MGPW 1710S	12/18/2019	10:30am	29.80	0.0	1.0	19.5	0.38	
MGPW 1710D	10/12/2019	10:21am	29.92	0.0	0.2	21.0	-0.34	
MGPW 1710D	10/18/2019	11:00am	29.85	0.0	0.2	21.0	-1.9	
MGPW 1710D	11/9/2019	10:17am	30.11	0.0	0.3	21.0	-1.32	
MGPW 1710D	11/22/2019	12:40pm	30.1	0.0	0.6	21.0	-2.07	
MGPW 1710D	12/1/2019	09:47am	29.86	0.0	0.0	20.8	-1.38	
MGPW 1710D	12/18/2019	10:42am	29.8	3.4	10.3	7.9	0.5	
MGPW 1714	10/12/2019	10:30am	29.92	0.0	0.2	21.0	-0.35	
MGPW 1714	10/18/2019	11:07am	29.85	0.0	0.2	21.0	-1.84	
MGPW 1714	11/9/2019	10:26am	30.11	0.0	0.2	21.0	-1.38	
MGPW 1714	11/22/2019	12:48pm	30.10	0.0	0.3	21.0	-2	
MGPW 1714	12/1/2019	09:43am	29.86	0.0	0.0	20.9	-1.43	
MGPW 1714	43817	10:45am	29.8	0	0.2	21	0.14	

On-Site Building Monitoring (4Q2019)

Aeration Ponds



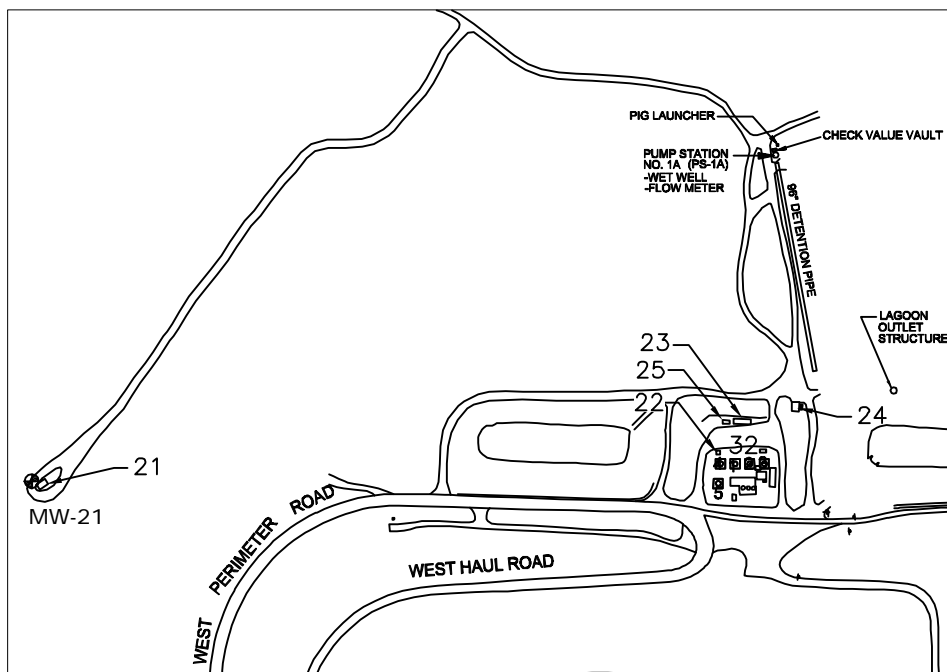
Shop and Office Buildings



BUILDING NO.	EO Description
1	Front Office
2	Conference Room
3	Vacant (Old Payroll Trailer)
4	Engineering Trailer
5	Lunch Room Trailer
6A	Dry Storage
6B	Electrician Office
7	Maintenance Shop
7A	Shop Office
7B	Stores—Shipping/Receiving
7C	Trailer Bay and Pit Area
7D	Tire Shop and Trailer Bay
7E	East Weld Shop
7F	West Weld Shop
8	Carpenter's Shop
9	Wastewater Shed
9B	Carpenter Storage
10	Scale House
11	New Eqpt. Operator's Trailer
12	EQ. Operator's Trailer (Old)
13	WW Compressor
16	Generator (Not Shown)
19	LEPS (P.S. #5)
19A	LEPS Pump Control Room
19B	LEPS/H ₂ O ₂ room
20	LEPS, Elec Panels
21	Storage(Old PS1)
22	Storage/N.Flare
23	LFGAS Office
24	NE Generator Bldg.
25	Storage BLDG. @ N.F.S.
29	OPS Administration Office
30	Women Brk Rm.
31	Landfill Leads/Accts Payable
32	North Flare Station
33	SPOC trailer
44A	Truck Wash West Restroom
44B	Truck Wash East Restroom
44C	Pressure Wash Room
45	Heavy Equipment Canopy
46	Fuel Island
48	Operations Planning
49	CCG Faster (Not Shown)
50	Chlorine Shed

CEDAR HILLS REGIONAL LANDFILL BUILDING NUMBERS

North Flare Station



Source: KCSWD, February 2012



King County

Landfill Gas Structure Monitoring Location

Environmental Monitoring Sampling and Analysis Plan

DATE:
February 2012

DESIGNED BY:

DRAWN BY:

REVISED BY:

PROJECT NO.

FIGURE NO.

**FOURTH QUARTER
BUILDING MONITORING**

 King County	INSTRUMENT: Place check by instrument used :			WEATHER:		DATE: 10/19/19	
	Foxboro TVA 1000 (sn. 301)					TECH: DNS	
	Foxboro TVA 1000 (sn. 732)			RAIN EAST 5 MPH			
ENVIS ID	BLDG #	DESCRIPTION	CH ₄ (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME	
GOC- 10/19/19	1	FRONT OFFICE	N/A		29.61	436	
GCR- 10/19/19	2	CONF ROOM	N/A				
GAO- 10/19/19	3	PAYROLL OFFICE	N/A				
GEO- 10/19/19	4	ENGR. OFFICE	N/A				
GLRC- 10/19/19	5	LUNCHROOM	N/A				
GSPC 10/19/19		SPOC	N/A				
GELO- 10/19/19 A	6A	DRY STORAGE	N/A				
GELO- 10/19/19 B	6B	ELECTRICIAN OFFICE	N/A				
GAP- 10/19/19		ACCOUNT PAYABLE	N/A				
GSO- 10/19/19 A	7A	SHOP OFFICE	N/A				
GPR- 10/19/19 B	7B	PARTS ROOM	N/A				
GMS- 10/19/19 C	7C	SHOP PIT AREA/BAY	N/A				
GTB- 10/19/19 D	7D	SHOP TIRE BAY	N/A				
GEW- 10/19/19 E	7E	EAST WELD SHOP	N/A				
GWV- 10/19/19 F	7F	WEST WELD SHOP	N/A				
GCS- 10/19/19	8	CARPENTER'S	N/A				
GSS- 10/19/19	9	WASTEWATER	N/A				
GSS- 10/19/19 B	9B	CARPENTER/STORAGE	N/A				
GSH- 10/19/19	10	SCALEHOUSE	N/A				
GB13- 10/19/19	13	WW COMPRESSOR	N/A				
GB16- 10/19/19	16	GENERATOR	11 PPM				
GB19- 10/19/19	19	LEPS (P.S.# 5)	N/A				
GB19- 10/19/19 B	19B	LEPS/H ₂ O ₂ ROOM	N/A				
GB20- 10/19/19	20	LEPS ELEC PANALS	N/A				
GB21- 10/19/19	21	STORAGE(OLD PS 1)	N/A				
GB22- 10/19/19	22	STORAGE/N FLARE	N/A				
GB23- 10/19/19	23	LFGAS	8 PPM				
GB24- 10/19/19	24	NE GENERATOR BLDG	N/A				
GBWW- 10/19/19	30	WOMEN BRK RM	N/A				
GPWT- 10/19/19	PW	PRESSURE WASH RM	N/A				
GBRR- 10/19/19	RR	TRUCKWASH RR W	N/A				
GBSS- 10/19/19	SS	TRUCKWASH RR E	N/A				
GBZZ- 10/19/19	29	MANAGERS TRAILER	N/A				
GBPT- 10/19/19		CCG FASTER	N/A				
GCLS- 10/19/19		CHLORINE SHED	N/A				

Passage Point Monitoring
(2019)

2019 PASSAGE POINT MONTHLY METHANE MONITORING

Survey Location	Room ID	Room Description	Survey Date 1-08-2019 Survey Time: 11:00 to 12:00 Weather = Rain 41 F Inspectors: PJ/SL Survey Instrument: IR Heathe	Probable Source	Survey Date 2-21-2019 Survey Time: 10:30 to 11:30 Weather = P/SUN 39 F Inspectors: PJ/SB Survey Instrument: IR Heathe	Probable Source	Survey Date 3--12-2019 Survey Time: 12:30 to 1:30 Weather = Rain/snow 36 F Inspectors: PJM Survey Instrument: IR Heathe	Probable Source	Survey Date 04-9-2019 Survey Time: 11:00 to 12:00 Weather = Showers 50 F Inspectors: PJ/NW Survey Instrument: IR Heathe	Probable Source	Survey Date 05-17-2019 Survey Time: 12:00 to 1:00 Weather = M Coudy 58 F Inspectors: SB/DJ Survey Instrument: IR Heathe	Probable Source	Survey Date 6-18-2019 Survey Time: 10:40 to 11:40 Weather = CLOUDY 59F Inspectors: PJ/SB Survey Instrument: IR Heathe	Probable Source	Survey Date 7-17-2019 Survey Time: 2:30 to 3:30 Weather = showers 65F Inspectors: PJ/SS Survey Instrument: IR Heathe	Probable Source
			CH ₄ (ppm)		CH ₄ (ppm)		CH ₄ (ppm)		CH ₄ (ppm)		CH ₄ (ppm)		CH ₄ (ppm)		CH ₄ (ppm)	
			Jan-19		Feb-19		Mar-19		Apr-19		May-19		6/1/82019		Jul-19	
Administration Building	GPPA12_SB	STAFF BREAK (A005)	0		4		1		0		2		1		0	
	GPPA12_SR	STAFF/RESTROOM (A006/7)	0		5		0		0		2		1		0	
	GPPA12_JO	JAN. OFFICE (A004)	1		5		1		0		3		2		1	
	GPPA12_JO2	JAN. OFFICE 2 (A003)	0		4		0		0		3		2		0	
	GPPA12_TS	TRANSPORT STOR (A008)	0		5		1		0		2		2		0	
	GPPA12_JS	JANITOR SUPPLY (A009)	0		4		0		0		3		1		0	
	GPPA12_FS	FILES/STORAGE (A010)	0		5		0		0		3		1		0	
	GPPA12_EP	ELECTRIC PANEL (A013)	1		4		0		0		3		1		0	
	GPPA12_S	SECURITY (A012)	1		5		0		0		3		0		0	
Building B	GPPA12_R	REPAIR SHOP (A011)	0		3		0		0		1		NO KEY		0	
	GPPB12_U1	UNIT 1 (B001)	1		3		1		1		1		2		1	
	GPPB12_U2	UNIT 2 (B002)	1		4		1		1		1		2		0	
	GPPB12_U3	UNIT 3 (B003)	1		4		1		2		1		0		1	
Building C	GPPB12_U4	UNIT 4 (B004)	0		3		1		2		1		0		1	
	GPPC12_U1	UNIT 1 (C101)	0		2		1		0		2		0		1	
	GPPC12_U2	UNIT 2 (C102)	0		2		0		1		2		0		2	
	GPPC12_U3	UNIT 3 (C103)	1		3		0		2		2		1		2	
	GPPC12_U4	UNIT 4 (C104)	1		2		1		3		2		2		3	
	GPPC12_U6	UNIT 6 (C106)	1		3		1		2		3		1		1	
	GPPC12_U5	UNIT 5 (C105)	0		2		1		2		2		2		1	
	GPPC12_U7	UNIT 7 (C107)	1		3		0		2		4		2		1	
	GPPC12_U8	UNIT 8 (C108)	2		2		N/A	DOG	1		4		NO KEY		0	
	GPPC12_U9	UNIT 9 (C109)	2		3		1		0		5		2		0	
Building D	GPPC12_U10	MECHANICAL ROOM (C110)	0		4		0		2		3		1		2	
	GPPD12_13	STAFF LOUNGE (D013)	0		3		0		0		3		0		0	
	GPPD12_12	TEEN STORAGE (D012)	1		4		0		1		3		0		0	
	GPPD12_11	TEEN GROUP (D011)	2		3		1		0		4		0		1	
	GPPD12_14	LOUNGE STORAGE (D014)	0		4		0		0		2		0		1	
	GPPD12_09	SUPPORT GRP (D009)	2		3		0		0		4		0		1	
	GPPD12_08	COUNSELING (D008)	2		3		0		1		6		1		2	
	GPPD12_10	WAITING ROOM (D010)	2		3		0		0		5		1		1	
	GPPD12_28	MEN'S ROOM (D028)	1		3		0		0		6		1		1	
	GPPD12_27	WOMEN'S ROOM (D027)	0		2		0		0		3		1		1	
	GPPD12_17	ADA EXAM (D017)	0		3		1		0		4		0		1	
	GPPD12_18	EXAM (D018)	1		3		1		0		4		1		1	
	GPPD12_19	MEETING RM (D019)	0		3		0		0		5		0		1	
	GPPD12_21	COUNSELING (D021)	0		3		1		0		4		0		1	
	GPPD12_20	WELLNESS WAITING (D020)	0		2		0		0		4		0		1	
	GPPD12_23	CONF ROOM STORAGE (D023)	1		3		1		0		5		0		1	
	GPPD12_22	CONF ROOM (D022)	0		2		1		0		5		0		1	
	GPPD12_24	MECH/ELEC (D024)	0		3		1		0		5		0		1	
	GPPD12_26	OFFICE/MTG ROOM (D026)	0		3		0		0		4		0		1	
	GPPD12_29	OFFICE (D029)	0		3		0		1		5		1		1	
	GPPD12_30	OFFICE (D030)	0		4		1		0		5		1		1	
	GPPD12_31	CASE MGR OFFICE (D031)	0		5		1		1		7		1		1	
	GPPD12_05	TEEN LOUNGE (D005)	1		5		0		0		4		1		NO KEY	
	GPPD12_06	STORE (D006)	0		5		1		0		4		1		1	
	GPPD12_07	COMPUTER (D007)	0		4		0		0		5		0		1	
	GPPD12_03	CHILD PLAY (D003)	0		4		1		1		5		0		1	
	GPPD12_02	LAUNDRY (D002)	0		3		0		1		4		0		1	
Building G	GPPG12_U1	UNIT 1 (G001)	1		3		2		1		8		2		0	
	GPPG12_U2	UNIT 2 (G002)	0		2		1		0		6		1		1	
	GPPG12_U3	UNIT 3 (G003)	1		4		1		0		7		2		0	
	GPPG12_U4	UNIT 4 (G004)	0		4		2		0		8		2		0	
Building E	GPPE12_BR	BOILER ROOM (E104)	1		3		1		0		4		2		0	
	GPPE12_U3	UNIT 3 (E103)	0		4		1		0		5		2		0	
	GPPE12_U2	UNIT 2 (E102)	0		3		2		1		4		0		1	
	GPPE12_U1	UNIT 1 (E101)	0		3		0		0		4		0		1	

2019 PASSAGE POINT MONTHLY METHANE MONIT

Survey Location	Room ID	Room Description	Survey Date 8-21-2019 Survey Time: 11:00 to 12:00 Weather = showers 65F Inspectors: PJ/SL Survey Instrument: IR Heathe	Probable Source	Survey Date 09-10-2019 Survey Time: 11:30 to 12:30 Weather = Showers 68F Inspectors: PJ/SL Survey Instrument: IR Heathe	Probable Source	Survey Date 10-08-2019 Survey Time: 11:45 to 12:45 Weather = Hail/Rain 44F Inspectors: PJM/SS Survey Instrument: IR Heathe	Probable Source	Survey Date 11--2019 Survey Time: 10:30 to 11:30 Weather = Partly cloudy 53F Inspectors: Survey Instrument: IR Heathe	Probable Source	Survey Date 12-10-2019 Survey Time: 10:00 to 11:00 Weather = Overcast 39F Inspectors: PJM/SS Survey Instrument: IR Heathe	Probable Source
			CH ₄ (ppm)		CH ₄ (ppm)		CH ₄ (ppm)		CH ₄ (ppm)		CH ₄ (ppm)	
			Aug-19		Sep-19		Oct-19		11/xx/2019		Dec-19	
Administration Building	GPPA12_SB	STAFF BREAK (A005)	1		0		1		**Due to numerous staffing and scheduling conflicts of Passage Point staff, the November monitoring was not performed.		0	
	GPPA12_SR	STAFF/RESTROOM (A006/7)	1		0		0				0	
	GPPA12_JO	JAN. OFFICE (A004)	0		0		1				0	
	GPPA12_JO2	JAN. OFFICE 2 (A003)	1		0		1				0	
	GPPA12_TS	TRANSPORT STOR (A008)	0		1		0				0	
	GPPA12_JS	JANITOR SUPPLY (A009)	0		1		0				0	
	GPPA12_FS	FILES/STORAGE (A010)	1		0		1				0	
	GPPA12_EP	ELECTRIC PANEL (A013)	0		0		0				0	
	GPPA12_S	SECURITY (A012)	1		0		1				0	
Building B	GPPA12_R	REPAIR SHOP (A011)	1		0		1				0	
	GPPB12_U1	UNIT 1 (B001)	1		2		0				0	
	GPPB12_U2	UNIT 2 (B002)	0		2		1				1	
	GPPB12_U3	UNIT 3 (B003)	2		0		0				1	
	GPPB12_U4	UNIT 4 (B004)	1		1		0				1	
Building C	GPPC12_U1	UNIT 1 (C101)	2		1		0				0	
	GPPC12_U2	UNIT 2 (C102)	2		2		1				1	
	GPPC12_U3	UNIT 3 (C103)	2		1		0				1	
	GPPC12_U4	UNIT 4 (C104)	5	Floor/pest cleaner	2		0				1	
	GPPC12_U6	UNIT 6 (C106)	2		1		1				1	
	GPPC12_U5	UNIT 5 (C105)	2		1		1				1	
	GPPC12_U7	UNIT 7 (C107)	2		0		No access				0	
	GPPC12_U8	UNIT 8 (C108)	2		1		1				1	
	GPPC12_U9	UNIT 9 (C109)	1		1		2				1	
	GPPC12_U10	MECHANICAL ROOM (C110)	2		0		1				2	
Building D	GPPD12_13	STAFF LOUNGE (D013)	1		1		0				0	
	GPPD12_12	TEEN STORAGE (D012)	1		0		0				0	
	GPPD12_11	TEEN GROUP (D011)	1		0		0				0	
	GPPD12_14	LOUNGE STORAGE (D014)	0		0		0				0	
	GPPD12_09	SUPPORT GRP (D009)	1		1		0				1	
	GPPD12_08	COUNSELING (D008)	1		0		0				1	
	GPPD12_10	WAITING ROOM (D010)	1		0		0				0	
	GPPD12_28	MEN'S ROOM (D028)	1		0		0				1	
	GPPD12_27	WOMEN'S ROOM (D027)	1		0		0				1	
	GPPD12_17	ADA EXAM (D017)	2		1		0				1	
	GPPD12_18	EXAM (D018)	2		1		1				0	
	GPPD12_19	MEETING RM (D019)	2		1		1				1	
	GPPD12_21	COUNSELING (D021)	1		1		1				0	
	GPPD12_20	WELLNESS WAITING (D020)	1		1		1				1	
	GPPD12_23	CONF ROOM STORAGE (D023)	0		1		1				1	
	GPPD12_22	CONF ROOM (D022)	1		2		2				1	
	GPPD12_24	MECH/ELEC (D024)	0		1		2				0	
	GPPD12_26	OFFICE/MTG ROOM (D026)	0		0		2				1	
	GPPD12_29	OFFICE (D029)	0		0		1				0	
	GPPD12_30	OFFICE (D030)	0		1		0				0	
	GPPD12_31	CASE MGR OFFICE (D031)	0		0		0				0	
	GPPD12_05	TEEN LOUNGE (D005)	0		0		0				0	
	GPPD12_06	STORE (D006)	1		0		0				0	
	GPPD12_07	COMPUTER (D007)	0		0		1				1	
	GPPD12_03	CHILD PLAY (D003)	0		1		1				1	
	GPPD12_02	LAUNDRY (D002)	0		0		0				1	
Building G	GPPG12_U1	UNIT 1 (G001)	1		1		1				1	
	GPPG12_U2	UNIT 2 (G002)	0		1		1				0	
	GPPG12_U3	UNIT 3 (G003)	0		1		1				0	
	GPPG12_U4	UNIT 4 (G004)	1		1		1				3	
Building E	GPPE12_BR	BOILER ROOM (E104)	0		1		1				0	
	GPPE12_U3	UNIT 3 (E103)	1		2		1				0	
	GPPE12_U2	UNIT 2 (E102)	1		1		1				0	
	GPPE12_U1	UNIT 1 (E101)	1		0		1				0	