

Alliance Consulting Engineers, Inc.

Post Office Box 8147 Columbia, SC 29202-8147 Phone: (803) 779-2078 Fax: (803) 779-2079 www.allianceCE.com

Site Observation Report

PROJECT NAME: LANDFILL MONITORING AND REPORT NEWBERRY COUNTY CLASS III MSW LANDFILL	RTING FOR THE	PROJECT NO: 17102-0036
DATE: 3/19/2025	ARRIVAL TIME: 2:0	00
STAFF PERSONNEL: T. RYAN MERRITT, E.I.T.	DEPARTURE TIME:	3:30 □ AM
WEATHER: 82 ° F HOT WARM COOL COLD SNOW SUNNY CLOUDY Lt. RAIN Hvy. RAIN BREEZY CALM	INDIVIDUALS/SUBC	ONTRACTORS ON SITE: Alliance Consulting Engineers, Inc

ITEMS OBSERVED:

Arrived on-site Wednesday, March 19, 2025, to conduct the Third (3rd) Quarter Fiscal Year 2024-2025 Methane Monitoring at each of the eleven (11) Gas Monitoring Probes (GMPs), evaluate each of the twentyfour (24) Extraction Wells, perform the Operation, Maintenance, and Monitoring for the Soil Gas Extraction System, and observe solid waste management facilities located at the Newberry County Landfill on Cockrell Road.

Due to past persistent elevated methane concentrations in several GMPs, a phased corrective measures approach was implemented by Newberry County starting in 2006. The installation of Passive Gas Vents and a Passive Vent Trench failed to fully reduce methane concentrations below the Lower Explosive Limit (LEL); therefore, an active Soil Gas Extraction System was installed in May 2015. The Passive Vent Trench and the Soil Gas Extraction System remain in service as of this time.

Methane monitoring was conducted on March 19, 2025, using the Gas Measurement Instruments GT 40 Series Gas Detector. The LEL for methane is 5%, and all GMPs registered 0% methane by volume. The attached Methane Summary Chart, Methane Monitoring Field Data Sheets, photographs, and photo key document the gas monitoring activities and results.

The operation of the gas collection system was checked also during the monitoring event. Condensate Sumps CS-A, CS-B, and CS-C were checked during the monitoring event (Photos 7-15). Upon arrival, the Blower motor was off with an alarm stating there was a thermal overload. This is a protective measure to ensure the system does not damage itself. The Knock Out Pot filter was removed and cleaned. Upon

reassembly, the Blower motor was reset, and all appeared to be in proper working order upon departure. Given that no methane was present in any GMP, it is inferred that the motor has not been off for very long.

Increased vacuum could be caused by the increase of groundwater also being removed via the condensate pumps. The amount removed this quarter are higher than previous quarters.

ITEMS DISCUSSED WITH CONTRACTOR:
- N/A
ACTION ITEMS STATED BY CONTRACTOR:
- N/A
RESOLUTION TO UNRESOLVED ITEMS:
- N/A
ITEMS REQUIRING FOLLOW-UP:
- Fourth (4 th) Quarter Fiscal Year 2024-2025 sampling should be conducted prior to June 30, 2025.
PHOTOS TAKEN: 🛛 YES 🗌 NO

				NEWE	METH (% N BERRY COUN	ANE GAS DE Methane By V ITY CLASS TH	TECTION olume) IREE MSW L/	ANDFILL				
GMP No.	Mar-07	Aug-07	Sep-07	Dec-07	Mar-09	Dec-09	Jun-10	Feb-10	Feb-12	Jun-12	Jul-12	Aug-12
GMP-1S	0	-	-	-	-	-	0.1	0	-	-	0	0
GMP-1D	0	-	-	-	-	-	0	0	-	-	0	0
GMP-35	0	2.4	19.3	4.8	0.1	-	8.9	0.1	-	9.6	-	1.5
GMP-3D GMP-4	0	3.2 60.4	23.3	25.8	60.5	-	9.3	0.1	60.2	0.0		1.8 55.2
GMP-5S	2.8	42	0.7	0.5	4	-	0.1	0.1	0.1	32.9	-	47.7
GMP-5D	-	-	-	-	18.8	-	11.5	0.1	0.1	0.6	-	1.2
GMP-6S	0.5	43.3	44.3	21.2	0	0.1	52.5	16.8	49.2	-	-	0
GMP-6D	-	-	-	-	0	-	30.7	0.1	22.6	-	-	0
GMP-7S	0	0	0	0	0.1	-	21.4	0	-	-	0.1	0
GMP-7D	-	-	-	-	0	-	10.2	1.5	-	-	0.1	0
CLUB	0	0	0	0	0	0	0	0	0	-	-	0
SHED	0	0	0	0	0		0.1	0			0.1	0
ONED	0	0	0	0	0		0.1	0			0.1	0
GMP No.	Feb-13	Aug-13	Feb-14	May-14	Nov-14	Feb-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
GMP-1S	0	0.3	-	-	0	0.1	0	-	-	-	-	-
GMP-1D	0	0.2	-	-	0	0.1	0	-	-	-	-	-
GMP-3S	0	52.6	-	30.7	15	8	0.03	0	0	0	0	0
GMP-3D	0	52.8	-	28.5	6.5	6.5	0	0	0	0	0	0
GMP-4	01.3 43.3	58.1	-	57.2	39	37	0.01	0	0	-	0	0
GMP-5D	28	32.4	-	19.1	5.6	25	0	0	0	0	0	0
GMP-6S	34.3	57	-	47.1	34	27	14	38.4	48.4	38	34.4	0
GMP-6D	0	49.3	-	41.8	22	18	17	46.3	54.2	45	15.4	0
GMP-7S	0	0.2	-	0.1	0.03	0	0	-	-	-	-	-
GMP-7D	0	0.2	-	16.3	0.7	0.08	0	-	-	-	-	-
HOUSE	0	0.4	-	0.1	0.01	0	0	-	-	-	-	-
INCOOL												
SHED	0	0.2	-	0.1	0.01	0	0	-	-	-	-	-
SHED	0	0.2	-	0.1	0.01	0	0	-	-	-	-	-
GMP No.	0 Jan-16	0.2 Feb-16	- Mar-16	0.1 Apr-16	0.01 May-16	0 Jun-16	0 Jul-16	Aug-16	Sep-16	Apr-17	Jul-17	Oct-17
GMP No. GMP-1S	0 Jan-16 -	0.2 Feb-16 0	- Mar-16 -	0.1 Apr-16 -	0.01 May-16 -	0 Jun-16 -	0 Jul-16 -	- Aug-16 0	- Sep-16 -	- Apr-17 0	- Jul-17 0	- Oct-17 0
GMP No. GMP-1S GMP-1D GMP-3S	0 Jan-16 - -	0.2 Feb-16 0 0	- Mar-16 - -	0.1 Apr-16 - -	0.01 May-16 - -	0 Jun-16 - -	0 Jul-16 - -	- Aug-16 0 0	- Sep-16 - -	- Apr-17 0 0	- Jul-17 0 0	- Oct-17 0 0
GMP No. GMP-1S GMP-1D GMP-3S GMP-3D	0 Jan-16 - - 0 0	0.2 Feb-16 0 0 0	- Mar-16 - - 0	0.1 Apr-16 - - 0 0	0.01 May-16 - - 0 0	0 Jun-16 - - 0 0	0 Jul-16 - - 0 0	- Aug-16 0 0 0	- Sep-16 - - 0 0	- Apr-17 0 0 0	- Jul-17 0 0 0	- Oct-17 0 0 0
GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4	0 Jan-16 - - 0 0 0 0	0.2 Feb-16 0 0 0 0 0	- Mar-16 - - 0 0 0	0.1 Apr-16 - 0 0 0 0	0.01 May-16 - - 0 0 0 0	0 Jun-16 - - 0 0 0	0 Jul-16 - - 0 0 0	- 0 0 0 0 0 0	- Sep-16 - - 0 0 0	- 0 0 0 0 24	- Jul-17 0 0 0 0	- 0 0 0 0 0 16
GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S	0 Jan-16 - - 0 0 0 0 0	0.2 Feb-16 0 0 0 0 0 0 0 0	- Mar-16 - - 0 0 0 0 0	0.1 Apr-16 - 0 0 0 0 0 0	0.01 May-16 - 0 0 0 0 0 0 0	0 Jun-16 - 0 0 0 0 0	0 Jul-16 - 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0	- Sep-16 - - 0 0 0 0 0	- Apr-17 0 0 0 0 0 24 0 0	- Jul-17 0 0 0 0 0 0 0	- 0ct-17 0 0 0 0 0 16 0 0
GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S GMP-5D	0 Jan-16 - - 0 0 0 0 0 0 0	0.2 Feb-16 0 0 0 0 0 0 0 0 0	- Mar-16 - - 0 0 0 0 0 0 0	0.1 Apr-16 - 0 0 0 0 0 0 0 0 0 0	0.01 May-16 - 0 0 0 0 0 0 0 0 0 0 0 0 0	0 Jun-16 - 0 0 0 0 0 0 0	0 Jul-16 - 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 0	- Sep-16 - - 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 16 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S GMP-5D GMP-6S	0 Jan-16 - - 0 0 0 0 0 0 0 45.2	0.2 Feb-16 0 0 0 0 0 0 0 42.1	- Mar-16 - - 0 0 0 0 0 0 45.5	0.1 Apr-16 - - 0 0 0 0 0 42.7	0.01 May-16 - - 0 0 0 0 0 0 51.1	0 Jun-16 - - 0 0 0 0 0 0 53.3	0 Jul-16 - - 0 0 0 0 0 0 50	- Aug-16 0 0 0 0 0 0 0 0 0 0 45.7		- 0 0 0 0 24 0 0 0 0	- 0 0 0 0 0 0 0 0 0 0 0 0	- 0 0 0 0 0 16 0 0 20
GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S GMP-5D GMP-6S GMP-60	0 Jan-16 - - 0 0 0 0 0 0 0 45.2 22.3	0.2 Feb-16 0 0 0 0 0 0 0 0 42.1 14.7	- Mar-16 - - 0 0 0 0 0 0 45.5 17.7	0.1 Apr-16 - - 0 0 0 0 0 0 42.7 18.5	0.01 May-16 - - 0 0 0 0 0 0 51.1 31.7	0 Jun-16 - - 0 0 0 0 0 53.3 36.7	0 Jul-16 - - 0 0 0 0 0 0 0 50 51.3	- Aug-16 0 0 0 0 0 0 0 45.7 49	- Sep-16 0 0 0 0 0 0 55 55 52	- Apr-17 0 0 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 16 0 0 20 8
SHED GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S GMP-5D GMP-6S GMP-6S GMP-6C GMP-7S	0 Jan-16 - - 0 0 0 0 0 0 45.2 22.3 0 0	0.2 Feb-16 0 0 0 0 0 0 0 42.1 14.7	- Mar-16 	0.1 Apr-16 - - 0 0 0 0 0 42.7 18.5 -	0.01 May-16 - - 0 0 0 0 0 51.1 31.7 -	0 Jun-16 - - 0 0 0 0 0 53.3 36.7 -	0 Jul-16 - - 0 0 0 0 0 0 0 50 51.3 -	- Aug-16 0 0 0 0 0 0 0 0 45.7 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52	- Apr-17 0 0 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0ct-17 0 0 0 0 16 0 0 20 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SHED GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S GMP-5D GMP-5S GMP-5D GMP-7S GMP-7S GMP-7S CLUB	0 Jan-16 - - 0 0 0 0 0 0 45.2 22.3 0 0 0	0.2 Feb-16 0 0 0 0 0 0 0 42.1 14.7	- Mar-16 - - 0 0 0 0 0 0 45.5 17.7 -	0.1 Apr-16 - - 0 0 0 0 0 0 42.7 18.5 - -	0.01 May-16 - - 0 0 0 0 0 51.1 31.7 - -	0 Jun-16 - - 0 0 0 0 0 0 53.3 36.7 - -	0 Jul-16 - - 0 0 0 0 0 0 0 50 50 51.3 -	- Aug-16 0 0 0 0 0 0 0 0 45.7 49 0 0.65	- Sep-16 0 0 0 0 0 0 55 52	- Apr-17 0 0 0 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0ct-17 0 0 0 0 16 0 0 20 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1S GMP-1B GMP-3D GMP-3D GMP-4 GMP-5S GMP-6S GMP-6S GMP-6D GMP-7S GMP-7S GMP-7D CLUB HOUSE	0 Jan-16 - - 0 0 0 0 0 0 45.2 22.3 0 0 0 -	0.2 Feb-16 0 0 0 0 0 0 0 42.1 14.7 - 0	- Mar-16 - - 0 0 0 0 0 0 0 45.5 17.7 - -	0.1 Apr-16 - - 0 0 0 0 0 0 0 42.7 18.5 - - - -	0.01 May-16 - - 0 0 0 0 0 0 51.1 31.7 - - - -	0 Jun-16 - - 0 0 0 0 0 0 0 53.3 36.7 - -	0 Jul-16 - - 0 0 0 0 0 0 0 50 50 51.3 - -	- Aug-16 0 0 0 0 0 0 0 0 45.7 49 0 0.65 0	- Sep-16 0 0 0 0 0 55 52	- Apr-17 0 0 0 0 0 24 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 16 0 0 20 8 0 0
GMP No. GMP-1S GMP-1B GMP-3D GMP-3D GMP-4 GMP-5S GMP-6S GMP-6S GMP-6S GMP-7S GMP-7S GMP-7S GMP-7S GMP-7S SHED	0 Jan-16 - - 0 0 0 0 0 0 45.2 22.3 0 0 0 - -	0.2 Feb-16 0 0 0 0 0 0 0 42.1 14.7 - 0 0 0 0 0 0 0 0 0 0 0 0 0	- Mar-16 0 0 0 0 0 0 45.5 17.7	0.1 Apr-16 - - 0 0 0 0 0 0 0 42.7 18.5 - - - - - - - - - - - - -	0.01 May-16 0 0 0 0 0 51.1 31.7	0 Jun-16 - - 0 0 0 0 0 0 53.3 36.7 - - - - -	0 Jul-16 - - 0 0 0 0 0 0 0 50 50 51.3 - - - -	- Aug-16 0 0 0 0 0 0 0 0 0 45.7 49 0 0 0.65 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 555 52	- Apr-17 0 0 0 0 24 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 16 0 0 20 8 0 0
GMP No. GMP-1S GMP-1D GMP-3D GMP-3D GMP-4 GMP-5S GMP-5D GMP-6S GMP-6D GMP-7S GMP-7C CLUB HOUSE SHED	0 Jan-16 - - 0 0 0 0 0 0 45.2 22.3 0 0 0 - - -	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - 0 0 0 0 0 0 0 0 0 0 0 0 0	- Mar-16 	0.1 Apr-16 - - 0 0 0 0 0 0 42.7 18.5 - - - - - - - - - - - - -	0.01 May-16 - 0 0 0 0 0 0 51.1 - - - - - - - - -	0 Jun-16 - - 0 0 0 0 0 0 0 53.3 53.3 - - - - - -	0 Jul-16 - - 0 0 0 0 0 0 0 50 51.3 - - - - -	- Aug-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52	- Apr-17 0 0 0 0 0 24 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1S GMP-1D GMP-3D GMP-3D GMP-4 GMP-5S GMP-5D GMP-6D GMP-7S GMP-7C CLUB HOUSE SHED GMP No. GMP-1S	0 Jan-16 - - 0 0 0 0 0 45.2 22.3 0 0 - - - Feb-18	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - 0 0 0 42.1 14.7 - 0 0 0 0 0 0 0 0 0 0 0 0 0	- Mar-16 0 0 0 0 0 45.5 17.7 Jun-18 0	0.1 Apr-16 - - 0 0 0 0 0 42.7 18.5 - - - - - - Sep-18 0	0.01 May-16 0 0 0 0 0 51.1 Feb-19 0	0 Jun-16 - - 0 0 0 0 0 53.3 36.7 - - - - - - - - - - - - - -	0 Jul-16 - - 0 0 0 0 0 0 50 51.3 - - - Nov-19 0	- Aug-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52 Jan-20 0	- Apr-17 0 0 0 0 0 24 0 0 0 0 0 0 Apr-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1S GMP-1D GMP-3D GMP-3D GMP-4 GMP-5S GMP-6D GMP-6D GMP-7S GMP-7C CLUB HOUSE SHED GMP No. GMP-1S GMP-1S	0 Jan-16 - - 0 0 0 0 0 0 45.2 22.3 0 0 0 - - - - - - - - - - - - - - - -	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - 0 0 0 Apr-18 0 0	- Mar-16 0 0 0 0 0 45.5 17.7 Jun-18 0 0 0	0.1 Apr-16 - - 0 0 0 0 0 42.7 18.5 - - - - - - - - - - - - -	0.01 May-16 - - 0 0 0 0 0 51.1 31.7 - - - - - - - - - - - - -	0 Jun-16 - - 0 0 0 0 0 53.3 36.7 - - - - - - - - - - - - - - - - - - -	0 Jul-16 - - 0 0 0 0 0 50 50 50 50 50 - - - - - Nov-19 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 45.7 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52 Jan-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 0 0 24 0 0 0 0 0 0 Apr-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S GMP-5D GMP-6D GMP-7S GMP-7S GMP-7S GMP-7S GMP-7S GMP-1D GMP-1S GMP-1D GMP-3S	0 Jan-16 - - 0 0 0 0 0 45.2 22.3 0 0 0 - - - - - - - - - - - - - - - -	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - 0 0 0 Apr-18 0 0 0	- Mar-16 0 0 0 0 0 45.5 17.7 Jun-18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 Apr-16 - - 0 0 0 0 0 0 42.7 18.5 - - - - - - - - - - - - -	0.01 May-16 - - 0 0 0 0 0 51.1 31.7 - - - - - Feb-19 0 0 0 0	0 Jun-16 - - 0 0 0 0 0 53.3 36.7 - - - - - - - - - - - - - - - - - - -	0 Jul-16 - - 0 0 0 0 0 50 51.3 - - - Nov-19 0 0 0 0 0 0 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 45.7 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52 Jan-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 0 24 0 0 0 0 0 0 0 0 0 Apr-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 16 0 0 20 8 0 0 0 Oct-20 0 0 24
GMP No. GMP-1D GMP-3S GMP-3D GMP-3C GMP-4 GMP-5S GMP-5D GMP-5S GMP-6S GMP-7S GMP-7D CLUB HOUSE SHED GMP-1D GMP-1S GMP-3S GMP-3D	0 Jan-16 - - 0 0 0 0 0 45.2 22.3 0 0 0 - - - - - - - - - - - - - - - -	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - 0 0 0 0 42.1 14.7 0 0 0 0 0 0 0 0 0 0 0 0 0	- Mar-16 0 0 0 0 0 0 45.5 17.7 Jun-18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 Apr-16 - 0 0 0 0 0 42.7 18.5 - - - - - Sep-18 0 0 10 15	0.01 May-16 - - 0 0 0 0 0 51.1 31.7 - - - Feb-19 0 0 0 0 0 0 0 0 0 0 0 0 0	0 Jun-16 - - 0 0 0 0 0 533.3 36.7 - - - - - - - - - - - - - - - - - - -	0 Jul-16 - - 0 0 0 0 0 50 51.3 - - - Nov-19 0 0 0 0 0 0 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 45.7 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52 Jan-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 24 0 0 0 0 0 0 0 0 0 Apr-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 16 0 0 20 8 0 0 Oct-20 0 0 24 31
GMP No. GMP-1S GMP-1D GMP-3D GMP-3D GMP-4 GMP-5S GMP-5S GMP-6S GMP-6S GMP-6S GMP-7D CLUB HOUSE SHED GMP-1S GMP-1D GMP-3D GMP-3D GMP-3D GMP-3 GMP-4	0 Jan-16 - 0 0 0 0 0 45.2 22.3 0 0 0 - - Feb-18 0 0 0 0 0 0 0 0 0 0 0 0 0	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - 0 0 0 42.1 14.7 - 0 0 0 0 22	- Mar-16 0 0 0 0 0 0 45.5 17.7 Jun-18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 Apr-16 - - 0 0 0 0 0 0 42.7 18.5 - - - - - - - Sep-18 0 0 10 15 12	0.01 May-16 - - 0 0 0 0 0 51.1 31.7 - - - - Feb-19 0 0 0 0 0 0 0 0 0 0 0 0 0	0 Jun-16 - 0 0 0 0 0 53.3 36.7 - - - - - - - - - - - - - - - - - - -	0 Jul-16 - 0 0 0 0 0 0 50 51.3 - - - - - - - - - - - - - - - 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 45.7 49 0 0 0.65 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52 Jan-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 0 24 0 0 0 0 0 0 0 Apr-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1S GMP-1D GMP-3D GMP-3D GMP-4 GMP-5S GMP-5C GMP-6S GMP-6S GMP-7D CLUB HOUSE SHED GMP-1S GMP-1S GMP-3S GMP-3D GMP-3S	0 Jan-16 - 0 0 0 0 0 45.2 22.3 0 0 0 - - - Feb-18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - 0 0 0 42.1 14.7 - 0 0 0 0 0 22 0	- Mar-16 0 0 0 0 0 0 45.5 17.7 Jun-18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 Apr-16 - 0 0 0 0 0 42.7 18.5 - - - Sep-18 0 0 10 15 12 10	0.01 May-16 - 0 0 0 0 0 51.1 - - - - Feb-19 0 0 0 0 0 0 0 0 0 0 0 0 0	0 Jun-16 - - 0 0 0 0 0 - - - - - - - - - - - - -	0 Jul-16 - - 0 0 0 0 0 50 51.3 - - Nov-19 0 0 0 0 0 0 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52 Jan-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 0 24 0 0 0 0 0 0 0 Apr-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Oct-20 0 0 0 24 31 52 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1S GMP-1D GMP-3D GMP-3D GMP-4 GMP-5S GMP-6D GMP-7C GMP-7D GMP-7C CLUB HOUSE SHED GMP-1S GMP-1D GMP-3S GMP-3D GMP-5S GMP-5S GMP-5D	0 Jan-16 - 0 0 0 0 0 45.2 22.3 0 0 0 - - - - - - - - - - - - - - - -	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - - 0 0 0 0 0 0 22 0 0 0 0 0 0 0 0 0 0 0 0 0	- Mar-16 0 0 0 0 0 45.5	0.1 Apr-16 - - 0 0 0 0 0 - 42.7 18.5 - - - - - - - - - - - - -	0.01 May-16 - - 0 0 0 0 0 51.1 - - - - - - - - - - - - -	0 Jun-16 - - 0 0 0 0 0 53.3 3 6.7 - - - - - - - - - - - - - - - - - - -	0 Jul-16 - - 0 0 0 0 0 50 51.3 - - - Nov-19 0 0 0 0 0 0 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52 Jan-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 0 0 24 0 0 0 0 0 0 0 0 0 Apr-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1S GMP-1B GMP-3D GMP-3D GMP-4 GMP-5S GMP-6D GMP-6D GMP-7C GMP-7D CLUB HOUSE SHED GMP-1S GMP-1S GMP-1S GMP-3S GMP-3S GMP-4 GMP-5S GMP-5D GMP-55 GMP-5D	0 Jan-16 - 0 0 0 0 0 45.2 22.3 0 0 0 0 - - - - - - - - - - - - - - -	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - 0 0 0 0 0 0 22 0 0 0 0 0 0 0 0 0 0 0 0 0	- Mar-16 0 0 0 0 0 0 45.5 17.7	0.1 Apr-16 - - 0 0 0 0 0 42.7 18.5 - - - - - - - - - - - - -	0.01 May-16 0 0 0 0 0 0 51.1 31.7	0 Jun-16 - 0 0 0 0 0 53.3 36.7 - - - - - - - - - - - - -	0 Jul-16 - - 0 0 0 0 0 50 51.3 - - - - Nov-19 0 0 0 0 0 0 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 45.7 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52 Jan-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1D GMP-13 GMP-3D GMP-3D GMP-4 GMP-5S GMP-5D GMP-6S GMP-6D GMP-7S GMP-7D CLUB HOUSE SHED GMP-1D GMP-13S GMP-11S GMP-3S GMP-3D GMP-4 GMP-5D GMP-5D GMP-5D GMP-5D GMP-6S GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-60 GMP-70 CMD-70	0 Jan-16 - - 0 0 0 0 0 45.2 22.3 0 0 0 - - - - - - - - - - - - - - - -	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - 0 0 0 0 0 0 0 0 0 0 0 0 0	- Mar-16 0 0 0 0 0 45.5 17.7	0.1 Apr-16 - - 0 0 0 0 0 42.7 18.5 - - - - - - - - - - - - -	0.01 May-16 0 0 0 0 0 0 51.1 31.7	0 Jun-16 - 0 0 0 0 0 53.3 36.7 - - - - - Aug-19 - - - 42 0 0 0 0 0 0 0 0 0 0 0 0 0	0 Jul-16 - - 0 0 0 0 50 51.3 - - - Nov-19 0 0 0 0 0 0 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 45.7 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52 Jan-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 0 0 24 0 0 0 0 0 0 0 0 0 0 Apr-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S GMP-6S GMP-6S GMP-6S GMP-7S GMP-1D GMP-1S GMP-1D GMP-3S GMP-3S GMP-3S GMP-3S GMP-4 GMP-5S GMP-6S GMP-6S GMP-6S GMP-6S GMP-6S GMP-6B GMP-75	0 Jan-16 - 0 0 0 0 0 45.2 22.3 0 0 - - Feb-18 0 0 0 0 0 0 0 0 0 0 0 0 0	0.2 Feb-16 0 0 0 0 0 0 0 0 42.1 14.7 - - 0 0 0 0 0 0 0 0 0 0 0 0 0	- Mar-16 0 0 0 0 0 0 45.5 17.7 Jun-18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 Apr-16 - - 0 0 0 0 0 - - - - - - - - - - - - -	0.01 May-16 0 0 0 0 0 0 51.1 31.7	0 Jun-16 - 0 0 0 0 0 53.3 36.7 - - - - - - - - - - - - -	0 Jul-16 - 0 0 0 0 0 50 51.3 - - - Nov-19 0 0 0 0 0 0 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 45.7 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 55 52	- Apr-17 0 0 0 0 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0	Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 16 0 0 0 20 8 0 0 0 Oct-20 0 0 0 24 31 52 30 6 6 34 37 0 24
GMP No. GMP-1S GMP-13C GMP-3D GMP-3D GMP-4 GMP-5C GMP-6S GMP-6D GMP-7D GMP-7S GMP-7S GMP-7S GMP-7S GMP-7S GMP-10 GMP-3S GMP-13C GMP-13C GMP-13C GMP-13C GMP-3D GMP-4 GMP-5S GMP-4S GMP-5C GMP-5C GMP-5C GMP-5C GMP-6S GMP-6S GMP-6S GMP-7S GMP-7D GMP-7S GMP-7D GMP-7D	0 Jan-16 - 0 0 0 0 0 45.2 22.3 0 0 0 - - Feb-18 0 0 0 0 0 0 0 0 0 0 0 0 0	0.2 Feb-16 0 0 0 0 0 0 0 42.1 14.7 - - 0 0 0 0 0 0 0 0 0 0 0 0 0	- Mar-16 0 0 0 0 0 0 45.5 17.7 Jun-18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 Apr-16 - - 0 0 0 0 0 42.7 18.5 - - - - - - Sep-18 0 0 10 15 12 10 0 22 21 0 0 0 0 0 0 0 0 0 0 0 0 0	0.01 May-16 0 0 0 0 0 0 51.1 31.7	0 Jun-16 - 0 0 0 0 0 53.3 36.7 - - - - - - - - 42 0 0 0 0 0 0 0 0 0 0 0 0 0	0 Jul-16 - 0 0 0 0 0 50 51.3 - - - Nov-19 0 0 0 0 0 0 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 0 45.7 49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 555 52	- Apr-17 0 0 0 0 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
GMP No. GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S GMP-6S GMP-6S GMP-6S GMP-7D CLUB HOUSE SHED GMP-1D GMP-1S GMP-1D GMP-3S GMP-3D GMP-4 GMP-5S GMP-5S GMP-5S GMP-6S GMP-6S GMP-6S GMP-7S GMP-7S GMP-7S GMP-7S GMP-7S GMP-7S GMP-7S GMP-7S	0 Jan-16 - 0 0 0 0 0 45.2 22.3 0 0 0 - - Feb-18 0 0 0 0 0 0 0 0 0 0 0 0 0	0.2 Feb-16 0 0 0 0 0 0 42.1 14.7 - - 0 0 0 0 0 0 22 0 0 0 0 0 0 - - - 0 0 0 - - - - - 0 0 0 - - - - - - - - - - - - -	- Mar-16 0 0 0 0 0 0 45.5 17.7 Jun-18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 Apr-16 - - 0 0 0 0 - - - - - - - - - - - - -	0.01 May-16 0 0 0 0 0 0 51.1 31.7	0 Jun-16 - 0 0 0 0 0 53.3 36.7 - - - - - - - - - - - - -	0 Jul-16 - 0 0 0 0 0 50 51.3 - - - Nov-19 0 0 0 0 0 0 0 0 0 0 0 0 0	- Aug-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Sep-16 0 0 0 0 0 0 555 52 Jan-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Apr-17 0 0 0 0 0 24 0 0 0 0 0 0 0 0 0 0 Apr-20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Jul-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- Oct-17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

S = shallow well D = deep well Shaded concentrations exceed LEL LEL = lower explosive limit (5.00% Methane by volume)





	METHANE GAS DETECTION											
	(% Methane By Volume)											
GMP No.	Apr-21	Jul-21	Sep-21	Dec-21	Mar-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24
GMP-1S	0	0	0	0	0	0	0	0	0	0	0	0
GMP-1D	0	0	0	0	0	0	0	0	0	0	0	0
GMP-3S	0	0	0	0	0	7	20	4	3	0	0	0
GMP-3D	0	0	0	0	0	0	15	0	0	0	4	0
GMP-4	31	0	0	0	0	25	52	0	17	0	47	0
GMP-5S	28	2	0	0	0	0	3	0	0	0	22	0
GMP-5D	1	3	0	0	0	0	4	0	0	0	4	0
GMP-6S	35	0	0	0	0	16	29	0	0	0	10	0
GMP-6D	5	0	0	0	0	0	0	0	0	0	0	0
GMP-7S	0	0	0	0	0	0	0	0	0	0	0	0
GMP-7D	0	0	0	0	0	0	0	0	0	0	0	0
CLUB	-	-	-	-	-	-	-	-	-	-	-	-
HOUSE												
SHED	-	-	-	-	-	-	-	-	-	-	-	-
0110.11	No. 04	D • • • • •	11 05			_	_	_	_			
GMP NO.	NOV-24	Dec-24	Mar-25									
GMP-15	0	0	0									
GMP-1D	0	0	0									
GMP-35	0	0	0									
GMP-3D	U N/A	0 N/A	0									
GMP-5S	0	0	0									
GMP-5D	0	0	0									
GMP-6S	0	0	0									
GMP-6D	0	0	0									
GMP-7S	0	0	0									
GMP-7D	0	0	0									
CLUB												
HOUSE	-	-	-									
SHED	-	-	-									

S = shallow well D = deep well Shaded concentrations exceed LEL LEL = lower explosive limit (5.00% Methane by volume) N/A = not available for testing









Site Map Newberry County Class III MSW Landfill Newberry County, South Carolina





Prepared by Alliance Consulting Engineers, Inc





Photograph 1 – Gas Monitoring Probe GMP-1



Photograph 2 – Gas Monitoring Probe GMP-3







Photograph 3 – Gas Monitoring Probe GMP-4



Photograph 4 – Gas Monitoring Probe GMP-5







Photograph 5 – Gas Monitoring Probe GMP-6



Photograph 6 – Gas Monitoring Probe GMP-7







Photograph 7 – Condensate Pump A



Photograph 8 – Condensate Pump A Gauge







Photograph 9 – Condensate Pump A Counter



Photograph 10 – Condensate Pump B







Photograph 11 – Condensate Pump B Gauge



Photograph 12 – Condensate Pump B Counter







Photograph 13 – Condensate Pump C



Photograph 14 – Condensate Pump C Gauge







Photograph 15 – Condensate Pump C Counter



Photograph 16 – Air Compressor







Photograph 17 – Blower Enclosure



Photograph 18 – Top of Knock Out Pot Removed







Photograph 19 – Knock Out Pot Filter



Newberry County Landfill Gas Extraction System O&M Forms

Date 3/19/25 Technician Ryan Merritt

Equipment	Condition/Comments
Blower Enclosure	ОК
Blower	Not Running
Knockout Tank (KOP)	OK Liquid Level 0
Transfer Pump	OK
Gages	ОК
KOP Inlet Vacuum	OK
KOP Outlet Vacuum	ОК
Carbon Vessel (Odors)	None
Storage Tank	OK Liquid Level 3 inches
Air Compressor	OK Pressure 158 psi
Air Compressor Shed	OK
Process Control Panel	OK
Actuated Valves	ОК

Condensate Sumps	Time	Pressure	Counter
CS-A	3:03	56 psi	110,297
CS-B	3:11	76 psi	23,772
CS-C	3:17	72 psi	8,111

Initial Readings (Before Measuring/Adjusting Well Field)

Time: <u>2:40 PM</u> Weather: <u>Sunny and Breezy</u> Temp.: <u>82 °F</u> Bar. Pres.: <u>30.02 mm Hg</u>

Control Panel Gauges	Vacuum	Methane	Oxygen
Zone A	N/A	N/A	-
Zone B	N/A	N/A	-
Zone C	N/A	N/A	-

Other Gauges		
KOP Inlet Vacuum	N/A	Inch H ₂ O
KOP Outlet Vacuum	N/A	Inch H ₂ O
Inlet-Outlet	N/A	Inch H ₂ O
Flow Rate	N/A	x10 SCFM

Check the following:

- ✓ ____All 3 Zones are Open
- \checkmark Each well has a vacuum of 1 to 10 or the flow rate is ~10 scfm (Wells with <2% methane can be turned off)

<u>N/A</u> Pressure drops across KOP is < 6 inch H₂O

- \checkmark Air compressor oil is above the "add" level
- ✓ Air compressor filter is clean



Final Readings (After Measuring/Adjusting Well Field)

Time: <u>2:50 PM</u> Weather: <u>Sunny and Breezy</u> Temp.: <u>82 °F</u> Bar. Pres.: <u>30 mm Hg</u>

Control Panel Gauges	Vacuum	Methane	Oxygen
Zone A	N/A	N/A	-
Zone B	N/A	N/A	-
Zone C	N/A	N/A	-

Other Gauges		
KOP Inlet Vacuum	N/A	Inch H ₂ O
KOP Outlet Vacuum	N/A	Inch H ₂ O
Inlet-Outlet	N/A	Inch H ₂ O
Flow Rate	N/A	x10 SCFM

Maintenance Performed/Comments:

- Upon arrival it was noted that the Blower motor was off, and an alarm was showing thermal overload. This is a protective measure to prevent the motor from overheating and causing damage to itself.
- The Knock-Out Pot was disassembled, and the filter was cleaned to ensure that no detritus was causing an increase in vacuum.
- Up reassembly of the Knock-Out Pot, the system was reset, and the system appears to be in proper working order.
- No measurements were recorded before or after restart, but visual inspection was made.



METHANE MONITORING FIELD DATA SHEET
Facility: Newberry County Landfill
Sampling Date: March 19, 2025
Sampling Time: 2:20 🗌 A.M. 🛛 P.M.
Sampler's Name: <u>T. Ryan Merritt</u>
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP <u>S</u> On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>82</u>°F
 General Weather Condition HOT WARM COOL COLD SNOW SUNNY CLOUDY LIGHT RAIN HEAVY RAIN BREEZY CALM
General Soil Moisture Condition DRY MOIST WET
• Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🖾 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
Measurements: Methane: % Methane by Volume
Notes:
Sampler's Signature:



Facility: Newberry County Landfill
Sampling Date: March 19, 2025
Sampling Time: 7379 \Box A.M. \boxtimes P.M.
Samplar's Name: T. Ryan Merritt
Sampler's Name. <u>1. Ryan Menne</u>
Monitoring Equipment: Gas Measurement Instruments 01 40
Equipment Calibration (By): <u>Safety Plus, Inc.</u>
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP () On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>82</u>°F
 General Weather Condition ⋈ HOT □ WARM □ COOL □ COLD □ SNOW ⋈ SUNNY □ CLOUDY □ LIGHT RAIN □ HEAVY RAIN ⋈ BREEZY □ CALM
General Soil Moisture Condition ⊠ DRY □ MOIST □ WET
• Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🖾 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
Measurements:
• Methane: 🖉 % Methane by Volume
Notes:
Querra la 2'a Signaturat
Sampler's Signature: Mut



Facility: Newberry County I andfill
Sampling Date: March 19, 2025
Sampling lime: $3!25$ [] A.M. [] F.M.
Sampler's Name: <u>T. Ryan Merritt</u>
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP3_S On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>82</u>°F
 General Weather Condition HOT WARM COOL COLD SNOW SUNNY CLOUDY LIGHT RAIN HEAVY RAIN BREEZY CALM
General Soil Moisture Condition ⊠ DRY □ MOIST □ WET
Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe □ YES ⊠ NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
Measurements:
• Methane: 🛛 % METHANE BY VOLUME
Notes:
Sampler's Signature:



Facility: Newberry County Landfill
Sampling Date: March 19, 2025
Sampling Time: 3:20 A.M. 🛛 P.M.
Sampler's Name: <u>T. Ryan Merritt</u>
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP 3 > On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>92</u>°F
 General Weather Condition HOT WARM COOL COLD SNOW SUNNY CLOUDY LIGHT RAIN HEAVY RAIN BREEZY CALM
 General Soil Moisture Condition DRY MOIST WET
• Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🖾 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
Measurements:
• Methane: 🛛 % METHANE BY VOLUME
Notes:
Sampler's Signature:



Facility: Newberry County Landfill
Sampling Date: March 19, 2025
Sampling Time: $3:12$ \Box A.M. \boxtimes P.M.
Sampler's Name: T. Ryan Merritt
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>\$2</u>°F
 General Weather Condition HOT WARM COOL COLD SNOW SUNNY CLOUDY LIGHT RAIN HEAVY RAIN BREEZY CALM
 General Soil Moisture Condition DRY MOIST WET
• Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🛛 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
Measurements:
• Methane: % METHANE BY VOLUME
Notes:
Sampler's Signature:



Facility: Newberry County Landfill
Sampling Date: March 19, 2025
Sampling Time: 3:05 □ A.M. 🛛 P.M.
Sampler's Name: <u>T. Ryan Merritt</u>
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP <u>55</u> On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>82</u>°F
 General Weather Condition ⋈ HOT □ WARM □ COOL □ COLD □ SNOW ⋈ SUNNY □ CLOUDY □ LIGHT RAIN □ HEAVY RAIN ⋈ BREEZY □ CALM
 General Soil Moisture Condition
• Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🖾 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
Measurements:
• Methane: 🖄 % Methane by Volume
Notes:
Sampler's Signature:



METHANE MONITORING FIELD DATA SHEET
Facility: Newberry County Landfill
Sampling Date: March 19, 2025
Sampling Time: 3:05 A.M. 🛛 P.M.
Sampler's Name: <u>T. Ryan Merritt</u>
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP<
 Climate and Physical Conditions: Ambient Temperature: <u>B2</u>°F
 General Weather Condition HOT WARM COOL COLD SNOW SUNNY CLOUDY LIGHT RAIN HEAVY RAIN BREEZY CALM
 General Soil Moisture Condition DRY MOIST WET
• Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🖾 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
 Measurements: Methane: % Methane by Volume
Notes:
Sampler's Signature: Mallat



Facility: <u>Newberry County Landfill</u>
Sampling Date: March 19, 2025
Sampling Time: $2:57$ \Box A.M. \boxtimes P.M.
Sampler's Name: T. Ryan Merritt
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP <u>65</u> On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>82</u>°F
 General Weather Condition MOT WARM COOL COLD SNOW SUNNY CLOUDY LIGHT RAIN HEAVY RAIN BREEZY CALM General Soil Moisture Condition MOIST WET
 Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🖾 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
Measurements:
• Methane: 🛛 % METHANE BY VOLUME
Notes:
Sampler's Signature:



Facility: Newberry County Landfill
Sampling Date: March 19, 2025
Sampling Time: $2:57$ \Box A.M. \boxtimes P.M.
Sampler's Name: <u>T. Ryan Merritt</u>
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>B2</u>°F
 General Weather Condition ⋈ HOT □ WARM □ COOL □ COLD □ SNOW ⋈ SUNNY □ CLOUDY □ LIGHT RAIN □ HEAVY RAIN ⋈ BREEZY □ CALM
 General Soil Moisture Condition ☑ DRY □ MOIST □ WET
• Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🖾 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
Measurements:
• Methane: 🖄 % Methane by Volume
Notes:
Sampler's Signature:



Facility: Newberry County Landfill
Sampling Date: March 19, 2025
Sampling Time: $2:25$ \Box A.M. \boxtimes P.M.
Sampler's Name: T. Ryan Merritt
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP 75 On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>82</u>°F
 General Weather Condition HOT WARM COOL COLD SNOW SUNNY CLOUDY LIGHT RAIN HEAVY RAIN BREEZY CALM
 General Soil Moisture Condition DRY MOIST WET
• Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🖾 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
Measurements:
• Methane: 🛛 % Methane by Volume
Notes:
Sampler's Signature:
ALLIANCE CONSULTING ENGINEERS

Facility: Newberry County Landfill
Sampling Date: March 19, 2025
Sampling Time: $2:25$ \Box A.M. \boxtimes P.M.
Sampler's Name: <u>T. Ryan Merritt</u>
Monitoring Equipment: Gas Measurement Instruments GT 40
Equipment Calibration (By): Safety Plus, Inc.
Next Equipment Calibration (Date): October 4, 2025
Monitoring Point Location: GMP 7D On-Site Structure Site Boundary Off-Site Structure
 Climate and Physical Conditions: Ambient Temperature: <u>82</u>°F
 General Weather Condition HOT WARM COOL COLD SNOW SUNNY CLOUDY LIGHT RAIN HEAVY RAIN BREEZY CALM
 General Soil Moisture Condition ☑ DRY □ MOIST □ WET
Condition of Surrounding Area (stressed vegetation, etc.)
• Water Present in Probe 🗌 YES 🖾 NO
 General Conditions of GMP LOCKED SEALED CLEARLY LABELED OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.)
 Measurements: Methane: 2 % Methane by Volume
Notes:
Sampler's Signature: