



LANDFILL GAS CORRECTIVE ACTION UPDATE

BRIDGETON LANDFILL

BRIDGETON, ST. LOUIS COUNTY, MISSOURI

**Submitted Pursuant to Section 23 of Agreed Order
Case No. 13SL-CC01088, Effective May 13, 2013**

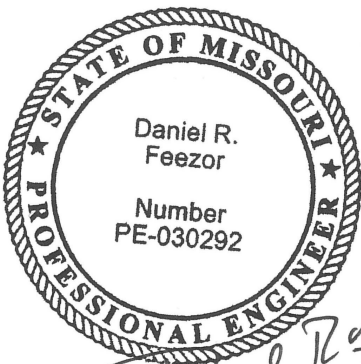
**Prepared For:
Bridgeton Landfill, LLC
13570 St. Charles Rock Road
Bridgeton, MO 63044**

October, 15 2020

Project No.: BT-133

Prepared By:

**Feezor Engineering, Inc.
3377 Hollenberg Drive
Bridgeton, MO 63044**



10/14/20

Daniel R. Feezor

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1.0 INTRODUCTION

On May 13, 2013, Bridgeton Landfill (BL), LLC entered into an Agreed Order with the State of Missouri which required actions to address a subsurface reaction (SSR) occurring in the South Quarry area of the Bridgeton Landfill (BL). Section 23 of the Agreed Order required the preparation of an updated “Landfill Gas Corrective Action Plan” (CAP) and requested that the update consider SSR control measures. Bridgeton Landfill, LLC subsequently submitted an updated CAP on July 26, 2013. On June 29, 2018, Bridgeton Landfill LLC entered into the Final Consent Judgment (Case No. 13SL-CC01088-01) between Bridgeton Landfill, LLC and the State of Missouri). Paragraph 39 of the Final Consent Judgment requires the continuation of the quarterly CAP updates.

Section 5.0 of the July 2013 CAP proposed that weekly monitoring data would be summarized and reviewed in a quarterly report to be submitted on the 15th day of the month following each quarter. The Missouri Department of Natural Resources (MDNR) accepted this proposal in a letter dated October 18, 2013. Bridgeton Landfill, LLC has subsequently submitted updated Quarterly Corrective Action Plan Updates each quarter. The purpose of this document is to provide monitoring data for the third quarter of 2020 (July 01, 2020 – September 30, 2020) and to review the current status of gas migration control measures.

The text of the July 2013 CAP is presented in **Appendix A** for reference.

2.0 REVIEW OF CURRENT GAS MIGRATION CONTROL STATUS

The BL continues an aggressive monitoring program and significant infrastructure investment with respect to landfill gas migration control at the facility.

Detailed graphs showing approximately one year of methane concentrations as measured in the probes September 30, 2019 to September 30, 2020 are included in this document as **Appendix B**.

Table 1 lists the gas monitoring probes and their corresponding abbreviations, as presented in the July 2013 CAP, to clarify the historical graphs and the tabulated data for July 1, 2020 through September 30, 2020.

Tables 2 through **5** present tabulated gas monitoring probe data for the monitoring period. Weekly water level readings were proposed by the July 2013 CAP and approved by the October 18, 2013 MDNR letter. These readings are presented as depth to water (from top of well). Results of weekly water level measurements for the monitoring period are presented in **Table 6**. Please note the “Quadrant” designation on **Tables 2-6** is based upon the March 2019 Operation, Maintenance, and Monitoring (OM&M) Plan. This plan was modified in June 2020. Therefore, this CAP Update includes the latest quadrant designations for the probes.

The following discussion highlights observations regarding methane data observed during this monitoring period. A site plan that depicts locations of the gas monitoring probes is presented in **Appendix C**.

Newly Elevated Compliance Probes

There were no newly elevated compliance probes during this quarterly review.

Probes with Greater Than or Equal to 2.5% Methane: Quarterly Review

The following probes exhibited methane concentrations above 2.5% for at least a portion of the current monitoring quarter: TMP-1S and TMP-3S.

Probes Below 2.5% Methane

The following probes exhibited methane concentrations less than 2.5% during the current quarterly monitoring period: GMP-01, GMP-02, GMP-03, GMP-4D, GMP-4S, GMP-05, GMP-5D, GMP-5S, GMP-06, GMP-6D, GMP-6S, GMP-07, GMP-7D, GMP-7S, GMP-08, GMP-09, GMP-10, GMP-11, GMP-12, GMP-13D, GMP-13S, GMP-14D, GMP-14S, GMP-15D, GMP-15S, GMP-

16D, GMP-16S, TMP-1D, TMP-1M, TMP-2D, TMP-2M, TMP-2S, TMP-3D, TMP-3M, PZ-204A-SS, and PZ-204-SS.

Quarterly-Read Probes

Sentry Probes currently monitored on a quarterly basis are GMP-05, GMP-06, and GMP-07. During this quarterly monitoring period, measurements at these probes were performed on July 7, 2020. GMP-05, GMP-06 and GMP-07 exhibited methane concentrations below 2.5%. Sentry Probe GMP-04 was decommissioned in March 2014. Although Compliance Probe GMP-08 is listed as a quarterly-read probe in the July 2013 CAP, it was monitored more frequently during this monitoring period. GMP-08 exhibited methane concentrations above 2.5% during the beginning of the 2nd quarter 2019 but has remained below 2.5% methane since April 17, 2019.

Data Review

GMP-08 exhibited first-time measurements of greater than 2.5% methane on March 12, 2019. Subsequent to the March 12, 2019 detection, GMP-08 has previously been monitored more frequently. GMP-08 exhibited methane concentrations over 2.5% intermittently throughout the remainder of the first quarter 2019 and the beginning of second quarter 2019. However, GMP-08 methane measurements have been under the 2.5% threshold since April 17, 2019. A separate Landfill Gas Corrective Action Plan (LGCAP) for GMP-08 was submitted to the MDNR and to the St. Louis County Department of Public Health Air Pollution Control Program (SLCDPH-APCP) on March 26, 2019. The corrective action for GMP-08 is summarized in Sections 3.0 and 4.0 of this report.

3.0 RECENT GAS MIGRATION CONTROL EFFORTS

The July 2013 CAP and subsequent quarterly updates provide an overview of several ongoing and planned measures that are expected to reduce gas migration. The following are gas migration control efforts initiated, continued or completed in the third quarter of 2020.

Leachate Conveyance System

The continued operation of multiple upgraded lift stations around the perimeter of the South Quarry.

General LFG System Modifications and Improvements:

The following improvements have been completed in the South Quarry at the Bridgeton Landfill:

- Nine (9) landfill gas extraction wells were installed in the south quarry last year to increase landfill gas extraction capacity and liquid removal. The locations were targeted to provide source control adjacent to areas exhibiting migration. Wells GEW-232, GEW-233, GEW-234, GEW-235, GEW-236, GEW-237, GEW-238, GEW-239, and GEW-240 were installed in August 2019. These 9 landfill gas extraction wells have been connected to the gas collection and control system and pumps have been installed in each well to remove liquid (**Appendix D**).
- Continued operation and monitoring of the “Pure-Air” system adjacent to Metropolitan Sewer District lift station just southwest of the South Quarry. Any vapors extracted from this gravel sump are directed to a “Pure-Air” system of activated carbon to allow for direct atmospheric discharge, removing a major air source from the landfill’s gas collection and control system (GCCS).
- Augmented gas well dewatering through use of additional downwell pneumatic pumps and liquid level monitoring. An ongoing systematic approach occurred this quarter to investigate all gas extraction wells in the southwest and southeast quadrants of the South Quarry, with the goal of increasing pumping and lowering water levels.
- Based on review of 2018 and 2019 gas data, methane concentrations in GMP-09 appeared to be affected by maintenance performed of the southwest portion of the interceptor trench, between access sumps TS-1, TS-2, and TS-3. Therefore, BL scheduled a vendor to remove sediment accumulation in these three sumps and to jet clean the horizontal pipes between them. This cleaning has been done quarterly. The third quarter cleaning occurred on August 5-7, 2020.

The following data was collected at TS-1, TS-2, and TS-3 during the second quarter 2020:

- Liquid Levels at the sumps;
 - System Vacuum;
 - Vacuum at sumps;
 - Gas Flow at sumps, and
 - Methane concentrations at the sump.
-
- BL installed a surface collector in the vicinity of GMP-03 (Southeast Surface Collector 2) in June 2019. This surface collector was installed and is continued to be operated to influence the methane concentrations in GMP-03.

 - BL installed a landfill gas collection trench near GMP-05 in October 2019. This trench was installed 50 feet in each direction away from the probe. The trench was connected to the gas system. Methane levels in GMP-05 decreased throughout the fourth quarter of 2019 and have remained in compliance since first quarter 2020. The performance of the collection trench for GMP-05 will continue to be monitored in the fourth quarter of 2020.

 - 35 temporary gas monitoring points were installed between April 24, 2020 and May 14, 2020 in 14 different locations in the southwest corner of the south quarry to assess migration in the TMP-1S, TMP-3S, and TMP-3M area. Monitoring of the temporary gas points began within second quarter and continued into the third quarter. The monitoring points were abandoned on July 24, 2020 in accordance with the “Soil Gas Monitoring Work Plan – Bridgeton Landfill” (December 31, 2019). The results were summarized in the “Soil Gas Monitoring Investigation Report” submitted to the MDNR on August 21, 2020 and approved on September 23, 2020.

Leachate Pretreatment Facility:

The leachate pretreatment facility continued operation during the third quarter of 2020.

4.0 PROPOSED, UPCOMING AND ONGOING GAS MIGRATION CONTROL EFFORTS

Ongoing efforts have been successful in some areas, as suggested by the recent data in the GMP-14D area near the South Quarry's northeast corner and in the GMP-08 area near the North Quarry's northeast corner. The ongoing gas collection efforts within the South and North Quarry will continue. This includes the continuation of a program to maintain liquid levels in gas wells, including daily inspections and ongoing maintenance of gas extraction well pumps.

In order to better assess pump performance, BL collected monthly liquid levels in those gas extraction wells with pumps, beginning in February 2019. In addition, BL collected quarterly liquid levels in all gas extraction wells to review subsurface conditions over time to optimize pump installation and operation. These efforts continued during the third quarter 2020 and will continue through the fourth quarter 2020.

In addition, BL will continue to retain a vendor to remove sediment accumulation at sumps TS-1, TS-2, and TS-3 and to jet clean the horizontal pipes between the sumps on a quarterly basis. It is believed that the August 5-7, 2020 cleaning effort (as well as the subsequent efforts) is continuing to be influential in the decrease in methane concentrations at GMP-09.

Due to remedial efforts implemented by BL over the past year, probes GMP-05, GMP-08, GMP-09, GMP-14D, and TMP-2S have all exhibited compliant methane levels.

At the beginning of the first quarter 2020, the remaining problematic probes were GMP-02, GMP-03 on the south side of the South Quarry, and TMP-1S and TMP-3S near the southwest corner of the South Quarry. GMP-02 and GMP-03 were back in compliance by the end of the first quarter and they remained in compliance throughout the third quarter. While ongoing efforts have been made to address the TMP-1S/TMP-3S area, additional efforts are warranted.

Southwest Corner of the South Quarry

During the fourth quarter 2019, an assessment was performed for the additional gas wells (GEW-233 and GEW-234) that were installed to potentially mitigate exceedances at TMP-1S, TMP-3S and TMP-3M. This assessment concluded that the additional wells have not been effective in obtaining compliant methane levels in TMP-1S and TMP-3S. The wells will continue to be operated in the fourth quarter 2020 and will be further assessed. However, additional measures were proposed for the southwest corner of the South Quarry.

On December 31, 2019, Cornerstone Environmental Group, LLC submitted a report to MDNR entitled "Soil Gas Monitoring Work Plan – Bridgeton Landfill" (Work Plan) which proposed the installation of a series of temporary monitoring points in the southwest corner of the South Quarry. These proposed monitoring points were intended to determine the direction of combustible gas movement in the subsurface strata near TMP-1S and TMP-3S.

The locations of the points were proposed based on the current understanding of site geology, infrastructure, and potential natural and man-made gas transmission pathways. The points were installed utilizing a Hydraulic Soil Probe (HSP) down to the bedrock interface and completed using small-diameter PVC piping. Perforation elevations were defined by the results of the HSP borings, targeting any strata that either indicates the presence of combustible gas or possesses a higher permeability – such as sands, gravels, and weathered formations that may be conducive to gas transmission.

This work plan was approved on February 20, 2020 by the MDNR. Installation of the temporary monitoring points began on April 24, 2020. A total of 35 temporary monitoring points were installed in 14 separate locations (**Appendix E**). The installation was completed on May 14, 2020. Monitoring of each point began on May 19, 2020 and continued until July 22, 2020. The monitoring points were completely removed by July 24, 2020. **Table 7** presents the tabulated temporary gas monitoring point data for the quarter. Results of water level measurements for the temporary gas monitoring point data for the quarter are presented in **Table 8**.

The “Soil Gas Monitoring Investigation Report” for the geoprobe installation and abandonment was submitted to the MDNR Waste Management Program (WMP) on August 21, 2020. This plan was approved by the MDNR WMP on September 23, 2020. The “Soil Gas Monitoring Corrective Action Plan” will be submitted to the MDNR WMP during the fourth quarter 2020 and will propose the next remedial steps for the southwest corner of the South Quarry.

Ongoing Gas Wellfield Replacement

Within the fourth quarter of 2020, a drilling event will occur at the Bridgeton Landfill to replace compromised GEWs and to supplement landfill gas collection efforts with additional GEWs in the South Quarry. The “Bridgeton Landfill-2020 Q3 GCCS Installation” was submitted to the MDNR on August 5, 2020 and approved on October 5, 2020.

5.0 CONTINUED MONITORING AND REPORTING

BL will continue the gas probe monitoring and reporting as specified in Section 5.0 of the July 2013 CAP and Section XI.39 of the June 29, 2018 Final Consent Judgment.

TABLE 1

LIST OF LANDFILL GAS MONITORING PROBES

**Bridgeton Landfill
Landfill Gas Monitoring Probes
July 2013**

ID	CSV ID	POINT NAME	Ref Boring/installation Record	Type	Current Monitoring Frequency
GMP-01	BRIGMP01	MP01	GMP-01	Compliance probe	weekly
GMP-02	BRIGMP02	MP02	GMP-02	Compliance probe	weekly
GMP-03	BRIGMP03	MP03	GMP-03	Compliance probe	weekly
GMP-04*	BRIGMP04	MP04	GMP-04	Sentry probe	quarterly
GMP-05	BRIGMP05	MP05	GMP-05	Sentry probe	quarterly
GMP-06	BRIGMP06	MP06	PZ-201-SS	Sentry probe	quarterly
GMP-07	BRIGMP07	MP07	PZ-200-SS	Sentry probe	quarterly
GMP-08	BRIGMP08	MP08	GMP-08	Compliance probe	quarterly
GMP-09	BRIGMP09	MP09	GMP-09	Public Safety Probe	weekly
GMP-10	BRIGMP10	MP10	GMP-10	Public Safety Probe	weekly
GMP-11	BRIGMP11	MP11	GMP-11	Public Safety Probe	weekly
GMP-12	BRIGMP12	MP12	GMP-12	Public Safety Probe	weekly
GMP-4S	BRIGMP4S	BRIGMP4S	GMP-04	Compliance nested probe	weekly
GMP-4D	BRIGMP4D	BRIGMP4D	GMP-04	Compliance nested probe	weekly
GMP-5S	BRIGMP5S	BRIGMP5S	GMP-05	Compliance nested probe	weekly
GMP-5D	BRIGMP5D	BRIGMP5D	GMP-05	Compliance nested probe	weekly
GMP-6S	BRIGMP6S	BRIGMP6S	GMP-06	Compliance nested probe	weekly
GMP-6D	BRIGMP6D	BRIGMP6D	GMP-06	Compliance nested probe	weekly
GMP-7S	BRIGMP7S	BRIGMP7S	GMP-07	Compliance nested probe	weekly
GMP-7D	BRIGMP7D	BRIGMP7D	GMP-07	Compliance nested probe	weekly
GMP-13S	BRGMP13S	BRGMP13S	GMP-13	Compliance nested probe	weekly
GMP-13D	BRGMP13D	BRGMP13D	GMP-13	Compliance nested probe	weekly
GMP-14S	BRGMP14S	BRGMP14S	GMP-14	Compliance nested probe	weekly
GMP-14D	BRGMP14D	BRGMP14D	GMP-14	Compliance nested probe	weekly
GMP-15S	BRGMP15S	BRGMP15S	GMP-15	Compliance nested probe	weekly
GMP-15D	BRGMP15D	BRGMP15D	GMP-15	Compliance nested probe	weekly
GMP-16S	BRGMP16S	BRGMP16S	GMP-16	Compliance nested probe	weekly
GMP-16D	BRGMP16D	BRGMP16D	GMP-16	Compliance nested probe	weekly
TMP-1S	BRITMP1S	BRITMP1S	TMP-01	Investigative nested probe	weekly
TMP-1M	BRITMP1M	BRITMP1M	TMP-01	Investigative nested probe	weekly
TMP-1D	BRITMP1D	BRITMP1D	TMP-01	Investigative nested probe	weekly
TMP-2S	BRITMP2S	BRITMP2S	TMP-02	Investigative nested probe	weekly
TMP-2M	BRITMP2M	BRITMP2M	TMP-02	Investigative nested probe	weekly
TMP-2D	BRITMP2D	BRITMP2D	TMP-02	Investigative nested probe	weekly
TMP-3S	BRITMP3S	BRITMP3S	TMP-03	Investigative nested probe	weekly
TMP-3M	BRITMP3M	BRITMP3M	TMP-03	Investigative nested probe	weekly
TMP-3D	BRITMP3D	BRITMP3D	TMP-03	Investigative nested probe	weekly
PZ-204-SS	PZ2040SS	4OSS	PZ-204-SS	Public Safety Probe	weekly
PZ-204A-SS	PZ204ASS	4ASS	PZ-204-ASS	Public Safety Probe	weekly

* Well has been decommissioned

TABLE 2

COMPLIANCE GAS MONITORING PROBE DATA

JULY 01, 2020 – SEPTEMBER 30, 2020

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
GMP-01	Weekly	2	7/7/2020	0.0	0.5	20.6	78.9	30	0.06
GMP-01	Weekly	2	7/16/2020	0.0	0.6	20.9	78.5	30	0.02
GMP-01	Weekly	2	7/21/2020	0.0	0.8	19.9	79.3	30	0.06
GMP-01	Weekly	2	7/28/2020	0.0	0.2	20.0	79.8	30	0.03
GMP-01	Weekly	2	8/4/2020	0.0	0.5	20.4	79.1	30	0.05
GMP-01	Weekly	2	8/11/2020	0.0	0.1	20.0	79.9	30	0.03
GMP-01	Weekly	2	8/18/2020	0.0	0.1	20.4	79.5	30	0.00
GMP-01	Weekly	2	8/25/2020	0.0	0.2	20.6	79.2	30	-0.01
GMP-01	Weekly	2	9/2/2020	0.0	0.4	20.5	79.1	30	-0.01
GMP-01	Weekly	2	9/9/2020	0.0	0.3	20.4	79.3	30	-0.01
GMP-01	Weekly	2	9/15/2020	0.0	0.3	21.0	78.7	30	-0.01
GMP-01	Weekly	2	9/22/2020	0.0	0.3	20.4	79.3	30	-0.01
GMP-01	Weekly	2	9/29/2020	0.0	0.1	20.9	79.0	30	0.00
GMP-02	Weekly	4	7/7/2020	0.0	1.5	18.2	80.3	30	0.13
GMP-02	Weekly	4	7/16/2020	0.0	4.4	12.2	83.4	30	0.25
GMP-02	Weekly	4	7/21/2020	2.0	11.7	3.6	82.7	30	0.12
GMP-02	Weekly	4	7/28/2020	0.0	9.5	6.2	84.3	30	0.13
GMP-02	Weekly	4	8/4/2020	0.2	11.9	5.4	82.5	30	-0.09
GMP-02	Weekly	4	8/11/2020	0.0	8.7	2.6	88.7	30	10.07
GMP-02	Weekly	4	8/18/2020	0.0	1.5	18.7	79.8	30	0.06
GMP-02	Weekly	4	8/25/2020	0.0	0.5	20.0	79.5	30	0.04
GMP-02	Weekly	4	9/2/2020	0.0	0.4	20.4	79.2	30	0.06
GMP-02	Weekly	4	9/9/2020	0.0	0.4	19.9	79.7	30	0.04
GMP-02	Weekly	4	9/15/2020	0.0	0.5	20.7	78.8	30	0.02
GMP-02	Weekly	4	9/22/2020	0.0	0.3	20.0	79.7	30	0.00
GMP-02	Weekly	4	9/29/2020	0.0	0.3	20.7	79.0	30	0.05
GMP-03	Weekly	4	7/7/2020	0.0	18.4	0.0	81.6	30	-0.01
GMP-03	Weekly	4	7/16/2020	0.0	18.8	0.0	81.2	30	0.00
GMP-03	Weekly	4	7/21/2020	0.0	19.1	0.0	80.9	30	0.00
GMP-03	Weekly	4	7/28/2020	0.0	17.4	0.6	82.0	30	0.01
GMP-03	Weekly	4	8/4/2020	0.0	18.8	0.2	81.0	30	-0.01
GMP-03	Weekly	4	8/11/2020	0.0	20.6	0.1	79.3	30	0.00
GMP-03	Weekly	4	8/18/2020	0.0	18.9	0.4	80.7	30	0.01
GMP-03	Weekly	4	8/25/2020	0.0	19.2	0.1	80.7	30	0.00
GMP-03	Weekly	4	9/2/2020	0.1	20.0	0.2	79.7	30	0.00
GMP-03	Weekly	4	9/9/2020	0.2	20.0	0.0	79.8	30	0.00
GMP-03	Weekly	4	9/15/2020	0.3	19.9	0.2	79.6	30	0.00
GMP-03	Weekly	4	9/22/2020	0.3	18.5	0.1	81.1	30	0.00
GMP-03	Weekly	4	9/29/2020	0.5	19.2	0.2	80.1	30	0.01
GMP-08	Weekly	1	7/7/2020	0.0	1.4	16.6	82.0	30	0.00

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
GMP-08	Weekly	1	7/16/2020	0.0	1.5	15.8	82.7	30	0.02
GMP-08	Weekly	1	7/21/2020	0.0	1.2	17.0	81.8	30	0.02
GMP-08	Weekly	1	7/28/2020	0.0	1.7	15.8	82.5	30	0.01
GMP-08	Weekly	1	8/4/2020	0.0	2.9	16.3	80.8	30	0.01
GMP-08	Weekly	1	8/11/2020	0.0	2.5	14.5	83.0	30	0.02
GMP-08	Weekly	1	8/18/2020	0.0	4.3	13.3	82.4	30	0.01
GMP-08	Weekly	1	8/25/2020	0.0	0.9	17.7	81.4	30	0.02
GMP-08	Weekly	1	9/2/2020	0.0	2.7	16.3	81.0	30	-0.02
GMP-08	Weekly	1	9/9/2020	0.0	1.6	16.8	81.6	30	0.02
GMP-08	Weekly	1	9/15/2020	0.0	2.5	16.1	81.4	30	0.01
GMP-08	Weekly	1	9/22/2020	0.0	1.6	16.7	81.7	30	0.02
GMP-08	Weekly	1	9/29/2020	0.0	3.1	16.7	80.2	30	0.00
GMP-4D	Weekly	3	7/7/2020	0.0	0.3	19.1	80.6	30	0.00
GMP-4D	Weekly	3	7/16/2020	0.0	0.2	19.5	80.3	30	0.00
GMP-4D	Weekly	3	7/21/2020	0.0	0.3	18.9	80.8	30	-0.01
GMP-4D	Weekly	3	7/28/2020	0.0	0.3	18.4	81.3	30	0.00
GMP-4D	Weekly	3	8/4/2020	0.0	0.3	19.3	80.4	30	0.00
GMP-4D	Weekly	3	8/11/2020	0.0	0.2	19.2	80.6	30	0.00
GMP-4D	Weekly	3	8/18/2020	0.0	0.1	20.1	79.8	30	0.00
GMP-4D	Weekly	3	8/25/2020	0.0	0.2	19.5	80.3	30	0.00
GMP-4D	Weekly	3	9/2/2020	0.0	0.6	19.9	79.5	30	0.01
GMP-4D	Weekly	3	9/9/2020	0.0	0.5	19.3	80.2	30	-0.01
GMP-4D	Weekly	3	9/15/2020	0.0	0.5	19.3	80.2	30	0.01
GMP-4D	Weekly	3	9/22/2020	0.0	0.6	19.9	79.5	30	0.00
GMP-4D	Weekly	3	9/29/2020	0.0	0.7	20.2	79.1	30	0.00
GMP-4S	Weekly	3	7/7/2020	0.0	0.2	19.6	80.2	30	0.00
GMP-4S	Weekly	3	7/16/2020	0.0	0.2	19.9	79.9	30	0.00
GMP-4S	Weekly	3	7/21/2020	0.0	0.3	18.2	81.5	30	0.00
GMP-4S	Weekly	3	7/28/2020	0.0	0.3	17.2	82.5	30	0.00
GMP-4S	Weekly	3	8/4/2020	0.0	0.4	17.8	81.8	30	0.00
GMP-4S	Weekly	3	8/11/2020	0.0	0.3	17.3	82.4	30	0.00
GMP-4S	Weekly	3	8/18/2020	0.0	0.0	20.0	80.0	30	0.00
GMP-4S	Weekly	3	8/25/2020	0.0	0.2	19.7	80.1	30	0.00
GMP-4S	Weekly	3	9/2/2020	0.0	1.2	16.6	82.2	30	0.00
GMP-4S	Weekly	3	9/9/2020	0.0	1.1	17.1	81.8	30	-0.01
GMP-4S	Weekly	3	9/15/2020	0.0	1.4	17.0	81.6	30	0.01
GMP-4S	Weekly	3	9/22/2020	0.0	1.7	16.8	81.5	30	0.00
GMP-4S	Weekly	3	9/29/2020	0.0	2.2	16.5	81.3	30	0.00
GMP-5D	Weekly	3	7/7/2020	0.0	0.0	20.4	79.6	30	0.00
GMP-5D	Weekly	3	7/16/2020	0.0	0.0	19.4	80.6	30	0.02

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
GMP-5D	Weekly	3	7/21/2020	0.0	0.0	19.1	80.9	30	0.04
GMP-5D	Weekly	3	7/28/2020	0.0	0.0	19.0	81.0	30	0.01
GMP-5D	Weekly	3	8/4/2020	0.0	0.1	19.8	80.1	30	0.01
GMP-5D	Weekly	3	8/11/2020	0.0	0.0	20.2	79.8	30	-0.01
GMP-5D	Weekly	3	8/18/2020	0.0	0.0	20.5	79.5	30	0.00
GMP-5D	Weekly	3	8/25/2020	0.0	0.0	20.1	79.9	30	0.01
GMP-5D	Weekly	3	9/2/2020	0.0	0.6	19.5	79.9	30	-0.25
GMP-5D	Weekly	3	9/9/2020	0.0	0.3	19.1	80.6	30	0.00
GMP-5D	Weekly	3	9/15/2020	0.0	0.3	18.9	80.8	30	0.01
GMP-5D	Weekly	3	9/22/2020	0.0	0.5	19.5	80.0	30	0.01
GMP-5D	Weekly	3	9/29/2020	0.0	1.0	20.1	78.9	30	0.00
GMP-5S	Weekly	3	7/7/2020	0.0	0.0	20.3	79.7	30	0.00
GMP-5S	Weekly	3	7/16/2020	0.0	0.0	19.5	80.5	30	0.00
GMP-5S	Weekly	3	7/21/2020	0.0	0.1	19.3	80.6	30	0.00
GMP-5S	Weekly	3	7/28/2020	0.0	0.0	19.0	81.0	30	0.00
GMP-5S	Weekly	3	8/4/2020	0.0	0.1	19.9	80.0	30	0.00
GMP-5S	Weekly	3	8/11/2020	0.0	0.1	20.3	79.6	30	0.00
GMP-5S	Weekly	3	8/18/2020	0.0	0.0	20.6	79.4	30	0.01
GMP-5S	Weekly	3	8/25/2020	0.0	0.0	20.3	79.7	30	0.01
GMP-5S	Weekly	3	9/2/2020	0.0	0.1	20.3	79.6	30	-0.04
GMP-5S	Weekly	3	9/9/2020	0.0	0.1	19.5	80.4	30	0.00
GMP-5S	Weekly	3	9/15/2020	0.0	0.1	19.4	80.5	30	0.00
GMP-5S	Weekly	3	9/22/2020	0.0	0.6	19.8	79.6	30	0.01
GMP-5S	Weekly	3	9/29/2020	0.0	2.3	19.0	78.7	30	0.01
GMP-6D	Weekly	1	7/7/2020	0.0	0.1	20.3	79.6	30	0.00
GMP-6D	Weekly	1	7/16/2020	0.0	0.1	19.3	80.6	30	0.02
GMP-6D	Weekly	1	7/21/2020	0.0	0.1	19.1	80.8	30	0.00
GMP-6D	Weekly	1	7/28/2020	0.0	0.1	18.6	81.3	30	0.01
GMP-6D	Weekly	1	8/4/2020	0.0	0.1	19.4	80.5	30	0.01
GMP-6D	Weekly	1	8/11/2020	0.0	0.1	19.8	80.1	30	-0.01
GMP-6D	Weekly	1	8/18/2020	0.0	0.1	20.2	79.7	30	-0.01
GMP-6D	Weekly	1	8/25/2020	0.0	0.0	20.3	79.7	30	0.00
GMP-6D	Weekly	1	9/2/2020	0.0	0.1	20.2	79.7	30	-0.01
GMP-6D	Weekly	1	9/9/2020	0.0	0.1	19.4	80.5	30	-0.01
GMP-6D	Weekly	1	9/15/2020	0.0	0.1	19.3	80.6	30	0.01
GMP-6D	Weekly	1	9/22/2020	0.0	0.0	20.0	80.0	30	0.01
GMP-6D	Weekly	1	9/29/2020	0.0	0.1	20.8	79.1	30	0.02
GMP-6S	Weekly	1	7/7/2020	0.0	0.2	19.7	80.1	30	0.00
GMP-6S	Weekly	1	7/16/2020	0.0	0.2	18.8	81.0	30	0.01
GMP-6S	Weekly	1	7/21/2020	0.0	0.2	18.5	81.3	30	0.00

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
GMP-6S	Weekly	1	7/28/2020	0.0	0.2	18.1	81.7	30	0.00
GMP-6S	Weekly	1	8/4/2020	0.0	0.2	18.9	80.9	30	0.00
GMP-6S	Weekly	1	8/11/2020	0.0	0.8	19.2	80.0	30	0.01
GMP-6S	Weekly	1	8/18/2020	0.0	0.3	19.9	79.8	30	0.00
GMP-6S	Weekly	1	8/25/2020	0.0	0.1	19.8	80.1	30	0.03
GMP-6S	Weekly	1	9/2/2020	0.0	0.4	19.7	79.9	30	0.01
GMP-6S	Weekly	1	9/9/2020	0.0	0.4	18.7	80.9	30	0.00
GMP-6S	Weekly	1	9/15/2020	0.0	0.3	18.8	80.9	30	0.01
GMP-6S	Weekly	1	9/22/2020	0.0	0.3	19.4	80.3	30	0.02
GMP-6S	Weekly	1	9/29/2020	0.0	0.4	20.2	79.4	30	0.04
GMP-7D	Weekly	1	7/7/2020	0.0	0.1	19.2	80.7	30	-0.01
GMP-7D	Weekly	1	7/16/2020	0.0	0.3	19.3	80.4	30	0.00
GMP-7D	Weekly	1	7/21/2020	0.0	0.3	20.2	79.5	30	0.00
GMP-7D	Weekly	1	7/28/2020	0.0	0.2	19.0	80.8	30	0.00
GMP-7D	Weekly	1	8/4/2020	0.0	0.2	20.4	79.4	30	0.01
GMP-7D	Weekly	1	8/11/2020	0.0	0.2	19.2	80.6	30	-0.01
GMP-7D	Weekly	1	8/18/2020	0.0	0.1	19.5	80.4	30	0.00
GMP-7D	Weekly	1	8/25/2020	0.0	0.2	19.1	80.7	30	-0.01
GMP-7D	Weekly	1	9/2/2020	0.0	0.3	20.3	79.4	30	0.00
GMP-7D	Weekly	1	9/9/2020	0.0	0.2	19.2	80.6	30	-0.01
GMP-7D	Weekly	1	9/15/2020	0.0	0.2	19.7	80.1	30	-0.01
GMP-7D	Weekly	1	9/22/2020	0.0	0.4	19.6	80.0	30	-0.01
GMP-7D	Weekly	1	9/29/2020	0.0	0.6	20.5	78.9	30	-0.03
GMP-7S	Weekly	1	7/7/2020	0.0	1.5	3.6	94.9	30	0.00
GMP-7S	Weekly	1	7/16/2020	0.0	2.1	2.4	95.5	30	0.00
GMP-7S	Weekly	1	7/21/2020	0.0	2.4	3.0	94.6	30	0.01
GMP-7S	Weekly	1	7/28/2020	0.0	2.1	2.6	95.3	30	-0.01
GMP-7S	Weekly	1	8/4/2020	0.0	1.7	1.3	97.0	30	0.00
GMP-7S	Weekly	1	8/11/2020	0.0	2.0	1.3	96.7	30	8.36
GMP-7S	Weekly	1	8/18/2020	0.0	2.2	3.8	94.0	30	0.00
GMP-7S	Weekly	1	8/25/2020	0.0	2.2	4.2	93.6	30	0.00
GMP-7S	Weekly	1	9/2/2020	0.0	3.8	3.9	92.3	30	0.00
GMP-7S	Weekly	1	9/9/2020	0.0	3.6	4.0	92.4	30	0.00
GMP-7S	Weekly	1	9/15/2020	0.0	4.1	4.2	91.7	30	0.01
GMP-7S	Weekly	1	9/22/2020	0.0	4.3	4.2	91.5	30	-0.01
GMP-7S	Weekly	1	9/29/2020	0.0	4.9	5.1	90.0	30	0.00
GMP-13D	Weekly	4	7/7/2020	0.0	0.2	20.1	79.7	30	0.02
GMP-13D	Weekly	4	7/16/2020	0.0	0.7	20.5	78.8	30	0.02
GMP-13D	Weekly	4	7/21/2020	0.0	0.5	19.6	79.9	30	0.01
GMP-13D	Weekly	4	7/28/2020	0.0	0.3	19.6	80.1	30	0.02

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
GMP-13D	Weekly	4	8/4/2020	0.0	0.6	19.9	79.5	30	0.00
GMP-13D	Weekly	4	8/11/2020	0.0	0.4	19.6	80.0	30	0.01
GMP-13D	Weekly	4	8/18/2020	0.0	0.3	19.7	80.0	30	0.02
GMP-13D	Weekly	4	8/25/2020	0.0	0.3	20.1	79.6	30	0.01
GMP-13D	Weekly	4	9/2/2020	0.0	0.3	20.5	79.2	30	0.00
GMP-13D	Weekly	4	9/9/2020	0.0	0.3	20.0	79.7	30	0.01
GMP-13D	Weekly	4	9/15/2020	0.0	0.3	19.9	79.8	30	0.00
GMP-13D	Weekly	4	9/22/2020	0.0	1.0	20.5	78.5	30	0.00
GMP-13D	Weekly	4	9/29/2020	0.0	0.9	20.6	78.5	30	0.02
GMP-13S	Weekly	4	7/7/2020	0.0	2.7	15.2	82.1	30	0.00
GMP-13S	Weekly	4	7/16/2020	0.0	3.4	15.5	81.1	30	0.00
GMP-13S	Weekly	4	7/21/2020	0.0	4.1	14.2	81.7	30	0.00
GMP-13S	Weekly	4	7/28/2020	0.0	3.2	14.0	82.8	30	0.00
GMP-13S	Weekly	4	8/4/2020	0.0	4.8	11.2	84.0	30	0.00
GMP-13S	Weekly	4	8/11/2020	0.0	4.7	10.3	85.0	30	0.00
GMP-13S	Weekly	4	8/18/2020	0.0	4.3	11.3	84.4	30	0.00
GMP-13S	Weekly	4	8/25/2020	0.0	4.6	10.0	85.4	30	0.00
GMP-13S	Weekly	4	9/2/2020	0.0	5.2	11.9	82.9	30	0.00
GMP-13S	Weekly	4	9/9/2020	0.0	5.0	13.0	82.0	30	0.00
GMP-13S	Weekly	4	9/15/2020	0.0	5.1	13.5	81.4	30	0.01
GMP-13S	Weekly	4	9/22/2020	0.0	6.9	13.2	79.9	30	-0.01
GMP-13S	Weekly	4	9/29/2020	0.0	7.8	13.8	78.4	30	0.00
GMP-14D	Weekly	3	7/7/2020	0.0	0.0	19.9	80.1	30	0.00
GMP-14D	Weekly	3	7/16/2020	0.0	0.1	19.6	80.3	30	0.02
GMP-14D	Weekly	3	7/21/2020	0.0	0.1	18.9	81.0	30	0.00
GMP-14D	Weekly	3	7/28/2020	0.0	0.1	18.7	81.2	30	0.00
GMP-14D	Weekly	3	8/4/2020	0.0	0.1	19.6	80.3	30	0.01
GMP-14D	Weekly	3	8/11/2020	0.0	0.2	18.9	80.9	30	0.00
GMP-14D	Weekly	3	8/18/2020	0.0	0.1	20.2	79.7	30	0.01
GMP-14D	Weekly	3	8/25/2020	0.0	0.0	20.0	80.0	30	0.01
GMP-14D	Weekly	3	9/2/2020	0.0	0.2	20.2	79.6	30	0.00
GMP-14D	Weekly	3	9/9/2020	0.0	0.1	19.5	80.4	30	0.01
GMP-14D	Weekly	3	9/15/2020	0.0	0.1	19.4	80.5	30	0.01
GMP-14D	Weekly	3	9/22/2020	0.0	0.3	20.0	79.7	30	0.00
GMP-14D	Weekly	3	9/29/2020	0.0	0.7	20.3	79.0	30	0.00
GMP-14S	Weekly	3	7/7/2020	0.0	0.1	20.0	79.9	30	0.05
GMP-14S	Weekly	3	7/16/2020	0.0	0.1	19.9	80.0	30	0.03
GMP-14S	Weekly	3	7/21/2020	0.0	0.1	19.6	80.3	30	0.03
GMP-14S	Weekly	3	7/28/2020	0.0	0.1	19.0	80.9	30	0.01
GMP-14S	Weekly	3	8/4/2020	0.0	0.1	20.0	79.9	30	0.01

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
GMP-14S	Weekly	3	8/11/2020	0.0	0.1	19.7	80.2	30	0.87
GMP-14S	Weekly	3	8/18/2020	0.0	0.1	20.6	79.3	30	0.04
GMP-14S	Weekly	3	8/25/2020	0.0	0.1	20.2	79.7	30	0.03
GMP-14S	Weekly	3	9/2/2020	0.0	0.2	20.4	79.4	30	0.03
GMP-14S	Weekly	3	9/9/2020	0.0	0.1	19.7	80.2	30	0.03
GMP-14S	Weekly	3	9/15/2020	0.0	0.1	19.6	80.3	30	0.03
GMP-14S	Weekly	3	9/22/2020	0.0	1.1	15.8	83.1	30	0.00
GMP-14S	Weekly	3	9/29/2020	0.0	5.4	5.6	89.0	30	0.00
GMP-15D	Weekly	1	7/7/2020	0.0	0.1	20.0	79.9	30	0.05
GMP-15D	Weekly	1	7/16/2020	0.0	0.1	19.2	80.7	30	0.06
GMP-15D	Weekly	1	7/21/2020	0.0	0.1	19.3	80.6	30	0.00
GMP-15D	Weekly	1	7/28/2020	0.0	0.1	18.8	81.1	30	0.00
GMP-15D	Weekly	1	8/4/2020	0.0	0.1	19.5	80.4	30	0.35
GMP-15D	Weekly	1	8/11/2020	0.0	0.1	19.5	80.4	30	0.04
GMP-15D	Weekly	1	8/18/2020	0.0	0.1	19.8	80.1	30	0.09
GMP-15D	Weekly	1	8/25/2020	0.0	0.0	20.1	79.9	30	0.17
GMP-15D	Weekly	1	9/2/2020	0.0	0.2	20.1	79.7	30	0.13
GMP-15D	Weekly	1	9/9/2020	0.0	0.2	19.2	80.6	30	0.09
GMP-15D	Weekly	1	9/15/2020	0.0	0.1	19.2	80.7	30	0.53
GMP-15D	Weekly	1	9/22/2020	0.0	0.2	19.7	80.1	30	0.18
GMP-15D	Weekly	1	9/29/2020	0.0	0.2	20.6	79.2	30	0.06
GMP-15S	Weekly	1	7/7/2020	0.0	0.0	20.2	79.8	30	0.06
GMP-15S	Weekly	1	7/16/2020	0.0	0.0	19.3	80.7	30	0.03
GMP-15S	Weekly	1	7/21/2020	0.0	0.0	19.5	80.5	30	0.03
GMP-15S	Weekly	1	7/28/2020	0.0	0.0	18.7	81.3	30	0.04
GMP-15S	Weekly	1	8/4/2020	0.0	0.0	19.6	80.4	30	0.07
GMP-15S	Weekly	1	8/11/2020	0.0	0.0	19.6	80.4	30	0.02
GMP-15S	Weekly	1	8/18/2020	0.0	0.0	20.0	80.0	30	0.02
GMP-15S	Weekly	1	8/25/2020	0.0	0.0	20.1	79.9	30	0.07
GMP-15S	Weekly	1	9/2/2020	0.0	0.1	20.2	79.7	30	0.03
GMP-15S	Weekly	1	9/9/2020	0.0	0.0	19.3	80.7	30	0.04
GMP-15S	Weekly	1	9/15/2020	0.0	0.1	19.3	80.6	30	0.04
GMP-15S	Weekly	1	9/22/2020	0.0	0.0	19.9	80.1	30	0.10
GMP-15S	Weekly	1	9/29/2020	0.0	0.1	20.7	79.2	30	0.30
GMP-16D	Weekly	1	7/7/2020	0.0	0.0	17.9	82.1	30	-0.34
GMP-16D	Weekly	1	7/16/2020	0.0	0.1	19.0	80.9	30	-0.83
GMP-16D	Weekly	1	7/21/2020	0.0	0.2	19.4	80.4	30	1.95
GMP-16D	Weekly	1	7/28/2020	0.0	0.1	18.6	81.3	30	0.83
GMP-16D	Weekly	1	8/4/2020	0.0	0.7	18.7	80.6	30	0.07
GMP-16D	Weekly	1	8/11/2020	0.0	0.5	18.3	81.2	30	1.77

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
GMP-16D	Weekly	1	8/18/2020	0.0	0.2	18.5	81.3	30	0.11
GMP-16D	Weekly	1	8/25/2020	0.0	0.1	18.7	81.2	30	-0.02
GMP-16D	Weekly	1	9/2/2020	0.0	0.1	20.1	79.8	30	-0.60
GMP-16D	Weekly	1	9/9/2020	0.0	0.4	18.8	80.8	30	-0.87
GMP-16D	Weekly	1	9/15/2020	0.0	0.4	19.4	80.2	30	0.04
GMP-16D	Weekly	1	9/22/2020	0.0	0.5	19.4	80.1	30	0.00
GMP-16D	Weekly	1	9/29/2020	0.0	1.1	20.3	78.6	30	0.00
GMP-16S	Weekly	1	7/7/2020	0.0	0.1	18.4	81.5	30	-0.09
GMP-16S	Weekly	1	7/16/2020	0.0	0.2	18.9	80.9	30	0.02
GMP-16S	Weekly	1	7/21/2020	0.0	0.6	19.3	80.1	30	3.96
GMP-16S	Weekly	1	7/28/2020	0.0	0.5	18.6	80.9	30	0.07
GMP-16S	Weekly	1	8/4/2020	0.0	0.4	19.6	80.0	30	7.75
GMP-16S	Weekly	1	8/11/2020	0.0	0.9	18.5	80.6	30	12.14
GMP-16S	Weekly	1	8/18/2020	0.0	0.7	18.7	80.6	30	-7.44
GMP-16S	Weekly	1	8/25/2020	0.0	0.2	18.8	81.0	30	0.01
GMP-16S	Weekly	1	9/2/2020	0.0	0.3	20.2	79.5	30	-0.54
GMP-16S	Weekly	1	9/9/2020	0.0	5.1	10.3	84.6	30	0.01
GMP-16S	Weekly	1	9/15/2020	0.0	8.9	6.6	84.5	30	0.02
GMP-16S	Weekly	1	9/22/2020	0.0	7.9	8.6	83.5	30	0.01
GMP-16S	Weekly	1	9/29/2020	0.0	12.5	3.8	83.7	30	0.02

TABLE 3

SENTRY GAS MONITORING PROBE DATA

JULY 01, 2020 – SEPTEMBER 30, 2020

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
GMP-05	Quarterly	3	7/7/2020	1.7	0.4	19.5	78.4	30	0.07
GMP-06	Quarterly	1	7/7/2020	0.0	0.1	18.8	81.1	30	0.00
GMP-07	Quarterly	1	7/7/2020	0.0	1.8	14.8	83.4	30	0.02

TABLE 4

INVESTIGATIVE GAS MONITORING PROBE DATA

JULY 01, 2020 – SEPTEMBER 30, 2020

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
TMP-1D	Weekly	2	7/7/2020	0.0	0.2	21.1	78.7	30	1.12
TMP-1D	Weekly	2	7/9/2020	0.0	0.1	20.5	79.4	30	2.90
TMP-1D	Weekly	2	7/16/2020	0.0	0.3	21.0	78.7	30	-0.13
TMP-1D	Weekly	2	7/21/2020	0.0	0.2	20.1	79.7	30	1.14
TMP-1D	Weekly	2	7/28/2020	0.0	0.3	20.7	79.0	30	-0.73
TMP-1D	Weekly	2	8/4/2020	0.0	0.2	20.7	79.1	30	-0.35
TMP-1D	Weekly	2	8/11/2020	0.0	0.1	20.5	79.4	30	1.91
TMP-1D	Weekly	2	8/18/2020	0.0	0.1	20.5	79.4	30	0.30
TMP-1D	Weekly	2	8/25/2020	0.0	0.2	20.8	79.0	30	0.20
TMP-1D	Weekly	2	9/2/2020	0.1	0.2	20.8	78.9	30	0.29
TMP-1D	Weekly	2	9/9/2020	0.0	0.1	20.7	79.2	30	0.77
TMP-1D	Weekly	2	9/15/2020	0.0	0.2	21.2	78.6	30	0.52
TMP-1D	Weekly	2	9/22/2020	0.0	0.2	20.7	79.1	30	0.39
TMP-1D	Weekly	2	9/29/2020	0.1	0.3	22.3	77.3	30	1.38
TMP-1D	Weekly	2	9/30/2020	0.0	0.0	20.8	79.2	30	1.07
TMP-1M	Weekly	2	7/7/2020	0.1	0.4	21.0	78.5	30	-0.02
TMP-1M	Weekly	2	7/9/2020	0.0	0.2	20.6	79.2	30	0.03
TMP-1M	Weekly	2	7/16/2020	0.2	1.2	20.8	77.8	30	-0.02
TMP-1M	Weekly	2	7/21/2020	0.1	0.5	20.1	79.3	30	-0.04
TMP-1M	Weekly	2	7/28/2020	0.3	1.9	20.4	77.4	30	-0.03
TMP-1M	Weekly	2	8/4/2020	0.2	1.0	20.5	78.3	30	0.00
TMP-1M	Weekly	2	8/11/2020	0.1	0.3	20.5	79.1	30	0.81
TMP-1M	Weekly	2	8/18/2020	0.1	0.7	20.3	78.9	30	-0.01
TMP-1M	Weekly	2	8/25/2020	0.2	0.8	20.6	78.4	30	-0.01
TMP-1M	Weekly	2	9/2/2020	0.2	2.0	20.6	77.2	30	0.00
TMP-1M	Weekly	2	9/9/2020	0.2	0.6	20.6	78.6	30	-0.01
TMP-1M	Weekly	2	9/15/2020	0.2	0.7	21.1	78.0	30	0.00
TMP-1M	Weekly	2	9/22/2020	0.2	1.0	20.6	78.2	30	-0.01
TMP-1M	Weekly	2	9/29/2020	0.2	1.0	22.2	76.6	30	0.00
TMP-1M	Weekly	2	9/30/2020	0.0	0.0	20.9	79.1	30	0.00
TMP-1S	Weekly	2	7/2/2020	65.6	34.1	0.3	0.0	30	0.01
TMP-1S	Weekly	2	7/7/2020	65.2	33.6	0.1	1.1	30	0.00
TMP-1S	Weekly	2	7/9/2020	62.5	29.9	0.0	7.6	30	0.01
TMP-1S	Weekly	2	7/14/2020	64.2	33.3	0.0	2.5	30	0.02
TMP-1S	Weekly	2	7/16/2020	61.6	33.1	0.1	5.2	30	0.00
TMP-1S	Weekly	2	7/21/2020	66.3	33.5	0.2	0.0	30	0.01
TMP-1S	Weekly	2	7/28/2020	65.3	34.5	0.2	0.0	30	0.01
TMP-1S	Weekly	2	8/4/2020	67.2	30.9	1.0	0.9	30	0.03
TMP-1S	Weekly	2	8/11/2020	65.3	27.6	2.0	5.1	30	0.08

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
TMP-1S	Weekly	2	8/18/2020	63.2	34.6	0.4	1.8	30	0.01
TMP-1S	Weekly	2	8/25/2020	56.9	33.3	0.2	9.6	30	0.00
TMP-1S	Weekly	2	9/2/2020	50.5	29.1	0.4	20.0	30	0.01
TMP-1S	Weekly	2	9/9/2020	41.6	30.3	0.0	28.1	30	0.00
TMP-1S	Weekly	2	9/15/2020	42.7	31.0	0.2	26.1	30	0.00
TMP-1S	Weekly	2	9/22/2020	48.2	31.7	0.0	20.1	30	0.00
TMP-1S	Weekly	2	9/29/2020	50.1	31.4	0.2	18.3	30	0.01
TMP-2D	Weekly	2	7/7/2020	0.0	0.3	20.7	79.0	30	0.00
TMP-2D	Weekly	2	7/9/2020	0.0	0.1	20.4	79.5	30	0.00
TMP-2D	Weekly	2	7/16/2020	0.0	0.9	20.7	78.4	30	0.00
TMP-2D	Weekly	2	7/21/2020	0.6	0.5	19.8	79.1	30	-0.02
TMP-2D	Weekly	2	7/28/2020	1.0	0.3	19.7	79.0	30	-0.01
TMP-2D	Weekly	2	8/4/2020	0.4	0.1	20.4	79.1	30	0.16
TMP-2D	Weekly	2	8/11/2020	0.9	0.2	19.7	79.2	30	0.06
TMP-2D	Weekly	2	8/18/2020	0.3	0.2	20.1	79.4	30	0.04
TMP-2D	Weekly	2	8/25/2020	0.0	0.4	20.1	79.5	30	0.02
TMP-2D	Weekly	2	9/2/2020	0.0	0.6	20.3	79.1	30	0.00
TMP-2D	Weekly	2	9/9/2020	0.0	0.5	20.2	79.3	30	0.00
TMP-2D	Weekly	2	9/15/2020	0.0	0.5	20.8	78.7	30	0.00
TMP-2D	Weekly	2	9/22/2020	0.0	0.8	20.2	79.0	30	0.00
TMP-2D	Weekly	2	9/29/2020	0.0	0.8	20.7	78.5	30	0.00
TMP-2M	Weekly	2	7/7/2020	0.0	2.7	15.1	82.2	30	0.00
TMP-2M	Weekly	2	7/9/2020	0.0	6.6	9.5	83.9	30	0.00
TMP-2M	Weekly	2	7/16/2020	0.0	4.1	14.2	81.7	30	0.00
TMP-2M	Weekly	2	7/21/2020	0.4	5.5	11.8	82.3	30	0.00
TMP-2M	Weekly	2	7/28/2020	0.1	4.5	11.0	84.4	30	0.00
TMP-2M	Weekly	2	8/4/2020	0.6	0.4	19.4	79.6	30	0.00
TMP-2M	Weekly	2	8/11/2020	0.0	0.6	18.9	80.5	30	0.00
TMP-2M	Weekly	2	8/18/2020	0.0	0.5	19.7	79.8	30	0.00
TMP-2M	Weekly	2	8/25/2020	0.0	0.4	20.2	79.4	30	0.00
TMP-2M	Weekly	2	9/2/2020	0.0	2.1	16.2	81.7	30	0.00
TMP-2M	Weekly	2	9/9/2020	0.0	3.6	14.0	82.4	30	0.00
TMP-2M	Weekly	2	9/15/2020	0.0	4.3	13.9	81.8	30	-0.01
TMP-2M	Weekly	2	9/22/2020	0.0	3.0	15.3	81.7	30	0.00
TMP-2M	Weekly	2	9/29/2020	0.0	4.1	14.5	81.4	30	0.00
TMP-2S	Weekly	2	7/2/2020	0.0	2.4	16.7	80.9	30	0.00
TMP-2S	Weekly	2	7/7/2020	0.0	2.3	17.1	80.6	30	0.00
TMP-2S	Weekly	2	7/9/2020	0.0	5.7	13.6	80.7	30	-0.01
TMP-2S	Weekly	2	7/14/2020	0.0	2.0	16.7	81.3	30	0.00

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
TMP-2S	Weekly	2	7/16/2020	0.0	4.5	14.9	80.6	30	0.00
TMP-2S	Weekly	2	7/21/2020	0.0	2.5	15.3	82.2	30	0.00
TMP-2S	Weekly	2	7/28/2020	0.0	2.7	16.1	81.2	30	0.00
TMP-2S	Weekly	2	8/4/2020	0.0	1.3	16.4	82.3	30	0.00
TMP-2S	Weekly	2	8/11/2020	0.0	0.6	17.5	81.9	30	0.00
TMP-2S	Weekly	2	8/18/2020	0.0	1.4	17.4	81.2	30	0.00
TMP-2S	Weekly	2	8/25/2020	0.0	2.0	17.6	80.4	30	0.00
TMP-2S	Weekly	2	9/2/2020	0.0	0.0	19.5	80.5	30	0.01
TMP-2S	Weekly	2	9/9/2020	0.0	3.4	17.0	79.6	30	0.00
TMP-2S	Weekly	2	9/15/2020	0.0	3.2	17.7	79.1	30	-0.01
TMP-2S	Weekly	2	9/22/2020	0.0	1.6	18.0	80.4	30	-0.01
TMP-2S	Weekly	2	9/29/2020	0.0	3.0	17.4	79.6	30	0.01
TMP-3D	Weekly	2	7/7/2020	0.0	3.6	18.9	77.5	30	-0.14
TMP-3D	Weekly	2	7/9/2020	0.0	4.0	18.8	77.2	30	0.13
TMP-3D	Weekly	2	7/16/2020	0.0	2.1	19.8	78.1	30	0.02
TMP-3D	Weekly	2	7/21/2020	0.0	3.0	18.7	78.3	30	-0.03
TMP-3D	Weekly	2	7/28/2020	0.0	0.8	19.8	79.4	30	0.00
TMP-3D	Weekly	2	8/4/2020	0.0	2.7	19.1	78.2	30	-0.09
TMP-3D	Weekly	2	8/11/2020	0.0	1.6	19.4	79.0	30	0.02
TMP-3D	Weekly	2	8/18/2020	0.0	0.7	19.9	79.4	30	0.01
TMP-3D	Weekly	2	8/25/2020	0.0	0.7	20.4	78.9	30	-0.04
TMP-3D	Weekly	2	9/2/2020	0.1	1.6	19.9	78.4	30	-0.03
TMP-3D	Weekly	2	9/9/2020	0.1	1.0	20.2	78.7	30	0.02
TMP-3D	Weekly	2	9/15/2020	0.1	0.8	20.8	78.3	30	-0.02
TMP-3D	Weekly	2	9/22/2020	0.0	0.9	20.3	78.8	30	0.00
TMP-3D	Weekly	2	9/29/2020	0.1	1.5	21.5	76.9	30	-0.02
TMP-3D	Weekly	2	9/30/2020	0.0	0.5	20.3	79.2	30	0.01
TMP-3M	Weekly	2	7/7/2020	1.8	1.7	20.0	76.5	30	0.00
TMP-3M	Weekly	2	7/9/2020	0.9	1.0	20.0	78.1	30	0.05
TMP-3M	Weekly	2	7/16/2020	0.2	0.5	20.9	78.4	30	0.00
TMP-3M	Weekly	2	7/21/2020	1.4	1.7	19.3	77.6	30	-0.05
TMP-3M	Weekly	2	7/28/2020	0.6	0.8	19.8	78.8	30	0.00
TMP-3M	Weekly	2	8/4/2020	1.2	1.7	19.9	77.2	30	-0.05
TMP-3M	Weekly	2	8/11/2020	0.4	0.5	20.0	79.1	30	-0.02
TMP-3M	Weekly	2	8/18/2020	0.5	0.8	20.0	78.7	30	0.00
TMP-3M	Weekly	2	8/25/2020	0.2	0.8	20.6	78.4	30	0.00
TMP-3M	Weekly	2	9/2/2020	0.7	1.6	20.3	77.4	30	0.00
TMP-3M	Weekly	2	9/9/2020	0.4	1.0	20.4	78.2	30	-0.01
TMP-3M	Weekly	2	9/15/2020	0.6	1.5	20.7	77.2	30	-0.01

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
TMP-3M	Weekly	2	9/22/2020	0.4	1.5	20.2	77.9	30	-0.04
TMP-3M	Weekly	2	9/29/2020	1.4	4.1	20.9	73.6	30	-0.04
TMP-3S	Weekly	2	7/2/2020	37.0	7.4	0.3	55.3	30	2.68
TMP-3S	Weekly	2	7/7/2020	17.6	2.5	10.5	69.4	30	-0.33
TMP-3S	Weekly	2	7/9/2020	32.8	7.4	1.4	58.4	30	0.23
TMP-3S	Weekly	2	7/14/2020	19.5	3.6	9.8	67.1	30	-0.05
TMP-3S	Weekly	2	7/16/2020	36.8	10.0	2.0	51.2	30	-0.02
TMP-3S	Weekly	2	7/21/2020	44.6	4.1	4.3	47.0	30	-0.59
TMP-3S	Weekly	2	7/28/2020	0.0	0.0	20.2	79.8	30	-0.45
TMP-3S	Weekly	2	8/4/2020	23.8	8.0	3.1	65.1	30	0.06
TMP-3S	Weekly	2	8/11/2020	12.1	6.6	10.6	70.7	30	0.51
TMP-3S	Weekly	2	8/18/2020	0.1	0.0	20.2	79.7	30	-1.05
TMP-3S	Weekly	2	8/25/2020	48.5	26.0	0.6	24.9	30	0.01
TMP-3S	Weekly	2	9/2/2020	57.4	34.8	0.2	7.6	30	0.01
TMP-3S	Weekly	2	9/9/2020	52.9	38.7	0.0	8.4	30	0.00
TMP-3S	Weekly	2	9/15/2020	54.1	40.3	0.1	5.5	30	0.00
TMP-3S	Weekly	2	9/22/2020	53.4	41.5	0.0	5.1	30	0.00
TMP-3S	Weekly	2	9/29/2020	52.9	40.5	0.2	6.4	30	0.01

TABLE 5

PUBLIC SAFETY GAS MONITORING PROBE DATA

JULY 01, 2020 – SEPTEMBER 30, 2020

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
4ASS	Weekly	4	7/7/2020	0.0	0.2	20.2	79.6	30	0.01
4ASS	Weekly	4	7/16/2020	0.0	0.1	20.6	79.3	30	0.03
4ASS	Weekly	4	7/21/2020	0.0	0.2	19.4	80.4	30	3.12
4ASS	Weekly	4	7/28/2020	0.0	0.1	19.5	80.4	30	0.00
4ASS	Weekly	4	8/4/2020	0.0	0.7	19.4	79.9	30	3.63
4ASS	Weekly	4	8/11/2020	0.0	0.5	19.4	80.1	30	3.02
4ASS	Weekly	4	8/18/2020	0.0	0.2	20.1	79.7	30	0.14
4ASS	Weekly	4	8/25/2020	0.0	0.1	20.2	79.7	30	0.00
4ASS	Weekly	4	9/2/2020	0.1	0.4	20.3	79.2	30	-0.39
4ASS	Weekly	4	9/9/2020	0.4	0.3	19.9	79.4	30	-1.50
4ASS	Weekly	4	9/15/2020	0.2	0.2	20.7	78.9	30	-0.25
4ASS	Weekly	4	9/22/2020	0.1	0.1	20.0	79.8	30	-0.71
4ASS	Weekly	4	9/29/2020	0.1	0.1	20.8	79.0	30	0.26
4OSS	Weekly	4	7/7/2020	0.0	0.1	20.0	79.9	30	0.47
4OSS	Weekly	4	7/16/2020	0.0	0.0	20.6	79.4	30	2.58
4OSS	Weekly	4	7/21/2020	0.0	0.1	19.7	80.2	30	0.01
4OSS	Weekly	4	7/28/2020	0.0	0.0	19.5	80.5	30	2.31
4OSS	Weekly	4	8/4/2020	0.0	0.1	20.1	79.8	30	0.06
4OSS	Weekly	4	8/11/2020	0.0	0.1	19.7	80.2	30	2.29
4OSS	Weekly	4	8/18/2020	0.0	0.0	20.2	79.8	30	0.26
4OSS	Weekly	4	8/25/2020	0.0	0.0	20.4	79.6	30	0.09
4OSS	Weekly	4	9/2/2020	0.0	0.1	20.5	79.4	30	-2.44
4OSS	Weekly	4	9/9/2020	0.0	0.1	20.2	79.7	30	-4.01
4OSS	Weekly	4	9/15/2020	0.0	0.1	21.0	78.9	30	-0.34
4OSS	Weekly	4	9/22/2020	0.0	0.1	20.2	79.7	30	-1.36
4OSS	Weekly	4	9/29/2020	0.0	0.1	21.0	78.9	30	1.53
GMP-09	Weekly	2	7/7/2020	0.0	0.1	20.5	79.4	30	0.00
GMP-09	Weekly	2	7/16/2020	0.0	0.3	20.5	79.2	30	-0.65
GMP-09	Weekly	2	7/21/2020	0.0	0.3	19.5	80.2	30	0.05
GMP-09	Weekly	2	7/28/2020	0.0	0.3	19.7	80.0	30	-0.28
GMP-09	Weekly	2	8/4/2020	0.0	0.3	19.9	79.8	30	7.38
GMP-09	Weekly	2	8/11/2020	0.0	0.2	19.6	80.2	30	0.65
GMP-09	Weekly	2	8/18/2020	0.0	0.1	20.2	79.7	30	-0.18
GMP-09	Weekly	2	8/25/2020	0.0	0.4	19.9	79.7	30	-0.16
GMP-09	Weekly	2	9/2/2020	0.0	0.4	20.3	79.3	30	0.00
GMP-09	Weekly	2	9/9/2020	0.0	0.4	20.2	79.4	30	0.01
GMP-09	Weekly	2	9/15/2020	0.0	0.4	20.7	78.9	30	-1.86
GMP-09	Weekly	2	9/22/2020	0.0	0.3	20.2	79.5	30	-2.90
GMP-09	Weekly	2	9/29/2020	0.0	0.5	20.6	78.9	30	-1.07
GMP-10	Weekly	4	7/7/2020	0.0	0.3	19.0	80.7	30	-0.17

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
GMP-10	Weekly	4	7/16/2020	0.0	0.4	18.7	80.9	30	-0.09
GMP-10	Weekly	4	7/21/2020	0.0	0.3	17.8	81.9	30	2.66
GMP-10	Weekly	4	7/28/2020	0.0	0.5	17.9	81.6	30	0.13
GMP-10	Weekly	4	8/4/2020	0.0	0.7	15.7	83.6	30	2.44
GMP-10	Weekly	4	8/11/2020	0.0	0.5	15.0	84.5	30	1.93
GMP-10	Weekly	4	8/18/2020	0.0	0.2	14.9	84.9	30	-8.85
GMP-10	Weekly	4	8/25/2020	0.0	0.5	15.8	83.7	30	-0.06
GMP-10	Weekly	4	9/2/2020	0.0	0.9	15.6	83.5	30	-2.41
GMP-10	Weekly	4	9/9/2020	0.0	0.7	15.6	83.7	30	-6.04
GMP-10	Weekly	4	9/15/2020	0.0	0.5	18.4	81.1	30	-2.44
GMP-10	Weekly	4	9/22/2020	0.0	0.4	17.3	82.3	30	-2.71
GMP-10	Weekly	4	9/29/2020	0.0	0.8	18.1	81.1	30	-0.56
GMP-11	Weekly	4	7/7/2020	0.0	0.1	19.8	80.1	30	-1.36
GMP-11	Weekly	4	7/16/2020	0.0	0.0	20.0	80.0	30	-1.88
GMP-11	Weekly	4	7/21/2020	0.0	0.1	19.7	80.2	30	0.61
GMP-11	Weekly	4	7/28/2020	0.0	0.0	19.5	80.5	30	-0.44
GMP-11	Weekly	4	8/4/2020	0.0	0.1	19.5	80.4	30	1.71
GMP-11	Weekly	4	8/11/2020	0.0	0.1	19.3	80.6	30	1.85
GMP-11	Weekly	4	8/18/2020	0.0	0.1	19.9	80.0	30	-2.90
GMP-11	Weekly	4	8/25/2020	0.0	0.0	19.4	80.6	30	-2.61
GMP-11	Weekly	4	9/2/2020	0.0	0.0	19.7	80.3	30	-0.88
GMP-11	Weekly	4	9/9/2020	0.0	0.0	19.3	80.7	30	-1.95
GMP-11	Weekly	4	9/15/2020	0.0	0.1	21.1	78.8	30	-3.14
GMP-11	Weekly	4	9/22/2020	0.0	0.0	20.2	79.8	30	-1.05
GMP-11	Weekly	4	9/29/2020	0.0	0.1	20.9	79.0	30	-0.24
GMP-12	Weekly	4	7/7/2020	0.0	0.1	19.7	80.2	30	-3.77
GMP-12	Weekly	4	7/16/2020	0.0	0.0	19.5	80.5	30	-5.80
GMP-12	Weekly	4	7/21/2020	0.0	0.1	19.6	80.3	30	-5.86
GMP-12	Weekly	4	7/28/2020	0.0	0.1	19.3	80.6	30	-11.78
GMP-12	Weekly	4	8/4/2020	0.0	0.2	19.3	80.5	30	-4.72
GMP-12	Weekly	4	8/11/2020	0.0	0.0	18.5	81.5	30	-0.52
GMP-12	Weekly	4	8/18/2020	0.0	0.0	19.7	80.3	30	-6.83
GMP-12	Weekly	4	8/25/2020	0.0	0.0	19.7	80.3	30	-12.14
GMP-12	Weekly	4	9/2/2020	0.0	0.0	19.5	80.5	30	-13.19
GMP-12	Weekly	4	9/9/2020	0.0	0.0	19.2	80.8	30	-10.76
GMP-12	Weekly	4	9/15/2020	0.0	0.1	18.8	81.1	30	-12.11
GMP-12	Weekly	4	9/22/2020	0.0	0.0	19.5	80.5	30	-8.99
GMP-12	Weekly	4	9/29/2020	0.0	0.1	20.9	79.0	30	-7.01

TABLE 6

GAS MONITORING PROBE WATER LEVEL DATA

JULY 01, 2020 – SEPTEMBER 30, 2020

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
4AOSS	7/7/2020	4	9.7	No Comment
4AOSS	7/16/2020	4	9.9	No Comment
4AOSS	7/21/2020	4	9.9	No Comment
4AOSS	7/28/2020	4	9.9	No Comment
4AOSS	8/4/2020	4	9.8	No Comment
4AOSS	8/11/2020	4	9.7	No Comment
4AOSS	8/18/2020	4	9.7	No Comment
4AOSS	8/25/2020	4	9.7	No Comment
4AOSS	9/2/2020	4	8.4	No Comment
4AOSS	9/9/2020	4	9.7	No Comment
4AOSS	9/15/2020	4	10.1	No Comment
4AOSS	9/22/2020	4	10.2	No Comment
4AOSS	9/29/2020	4	11.0	No Comment
4ASS	7/7/2020	4	4.9	No Comment
4ASS	7/16/2020	4	5.1	No Comment
4ASS	7/21/2020	4	4.8	No Comment
4ASS	7/28/2020	4	4.7	No Comment
4ASS	8/4/2020	4	4.3	No Comment
4ASS	8/11/2020	4	4.0	No Comment
4ASS	8/18/2020	4	4.6	No Comment
4ASS	8/25/2020	4	4.8	No Comment
4ASS	9/2/2020	4	4.5	No Comment
4ASS	9/9/2020	4	4.8	No Comment
4ASS	9/15/2020	4	4.8	No Comment
4ASS	9/22/2020	4	4.6	No Comment
4ASS	9/29/2020	4	4.6	No Comment
GMP-01	7/7/2020	2	11.8	No Comment
GMP-01	7/16/2020	2	11.8	No Comment
GMP-01	7/21/2020	2	11.8	No Comment
GMP-01	7/28/2020	2	11.8	No Comment
GMP-01	8/4/2020	2	11.8	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-01	8/11/2020	2	11.5	No Comment
GMP-01	8/18/2020	2	11.8	No Comment
GMP-01	8/25/2020	2	11.8	No Comment
GMP-01	9/2/2020	2	11.8	No Comment
GMP-01	9/9/2020	2	11.8	No Comment
GMP-01	9/15/2020	2	11.8	No Comment
GMP-01	9/22/2020	2	11.8	No Comment
GMP-01	9/29/2020	2	11.8	No Comment
GMP-02	7/7/2020	4	9.2	No Comment
GMP-02	7/16/2020	4	9.2	No Comment
GMP-02	7/21/2020	4	9.2	No Comment
GMP-02	7/28/2020	4	9.2	No Comment
GMP-02	8/4/2020	4	9.0	No Comment
GMP-02	8/11/2020	4	9.2	No Comment
GMP-02	8/18/2020	4	9.2	No Comment
GMP-02	8/25/2020	4	9.2	No Comment
GMP-02	9/2/2020	4	9.2	No Comment
GMP-02	9/9/2020	4	9.2	No Comment
GMP-02	9/15/2020	4	9.2	No Comment
GMP-02	9/22/2020	4	9.2	No Comment
GMP-02	9/29/2020	4	9.2	No Comment
GMP-03	7/7/2020	4	14.5	No Comment
GMP-03	7/16/2020	4	15.3	No Comment
GMP-03	7/21/2020	4	15.2	No Comment
GMP-03	7/28/2020	4	15.7	No Comment
GMP-03	8/4/2020	4	15.0	No Comment
GMP-03	8/11/2020	4	14.1	No Comment
GMP-03	8/18/2020	4	14.9	No Comment
GMP-03	8/25/2020	4	15.7	No Comment
GMP-03	9/2/2020	4	16.2	No Comment
GMP-03	9/9/2020	4	16.8	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-03	9/15/2020	4	17.1	No Comment
GMP-03	9/22/2020	4	17.5	No Comment
GMP-03	9/29/2020	4	17.8	No Comment
GMP-05	7/7/2020	3	9.9	No Comment
GMP-06	7/7/2020	1	9.3	No Comment
GMP-07	7/7/2020	1	22.5	No Comment
GMP-08	7/7/2020	1	34.2	No Comment
GMP-08	7/16/2020	1	33.1	No Comment
GMP-08	7/21/2020	1	33.0	No Comment
GMP-08	7/28/2020	1	33.6	No Comment
GMP-08	8/4/2020	1	33.3	No Comment
GMP-08	8/11/2020	1	33.2	No Comment
GMP-08	8/18/2020	1	33.4	No Comment
GMP-08	8/25/2020	1	33.5	No Comment
GMP-08	9/2/2020	1	33.8	No Comment
GMP-08	9/9/2020	1	33.9	No Comment
GMP-08	9/15/2020	1	34.4	No Comment
GMP-08	9/22/2020	1	36.0	No Comment
GMP-08	9/29/2020	1	35.8	No Comment
GMP-09	7/7/2020	2	11.1	No Comment
GMP-09	7/16/2020	2	11.1	No Comment
GMP-09	7/21/2020	2	11.0	No Comment
GMP-09	7/28/2020	2	11.2	No Comment
GMP-09	8/4/2020	2	9.1	No Comment
GMP-09	8/11/2020	2	7.4	No Comment
GMP-09	8/18/2020	2	8.7	No Comment
GMP-09	8/25/2020	2	9.0	No Comment
GMP-09	9/2/2020	2	10.7	No Comment
GMP-09	9/9/2020	2	11.2	No Comment
GMP-09	9/15/2020	2	11.4	No Comment
GMP-09	9/22/2020	2	11.8	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-09	9/29/2020	2	12.0	No Comment
GMP-10	7/7/2020	4	8.7	No Comment
GMP-10	7/16/2020	4	8.9	No Comment
GMP-10	7/21/2020	4	8.7	No Comment
GMP-10	7/28/2020	4	8.5	No Comment
GMP-10	8/4/2020	4	8.0	No Comment
GMP-10	8/11/2020	4	7.2	No Comment
GMP-10	8/18/2020	4	8.3	No Comment
GMP-10	8/25/2020	4	8.5	No Comment
GMP-10	9/2/2020	4	8.4	No Comment
GMP-10	9/9/2020	4	8.6	No Comment
GMP-10	9/15/2020	4	8.5	No Comment
GMP-10	9/22/2020	4	8.8	No Comment
GMP-10	9/29/2020	4	8.3	No Comment
GMP-11	7/7/2020	4	0.8	No Comment
GMP-11	7/16/2020	4	1.0	No Comment
GMP-11	7/21/2020	4	0.7	No Comment
GMP-11	7/28/2020	4	0.8	No Comment
GMP-11	8/4/2020	4	0.6	No Comment
GMP-11	8/11/2020	4	0.3	No Comment
GMP-11	8/18/2020	4	0.5	No Comment
GMP-11	8/25/2020	4	0.7	No Comment
GMP-11	9/2/2020	4	0.8	No Comment
GMP-11	9/9/2020	4	0.8	No Comment
GMP-11	9/15/2020	4	1.0	No Comment
GMP-11	9/22/2020	4	1.1	No Comment
GMP-11	9/29/2020	4	1.0	No Comment
GMP-12	7/7/2020	4	0.5	No Comment
GMP-12	7/16/2020	4	0.7	No Comment
GMP-12	7/21/2020	4	0.5	No Comment
GMP-12	7/28/2020	4	0.6	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-12	8/4/2020	4	0.2	No Comment
GMP-12	8/11/2020	4	0.0	No Comment
GMP-12	8/18/2020	4	0.3	No Comment
GMP-12	8/25/2020	4	0.3	No Comment
GMP-12	9/2/2020	4	0.5	No Comment
GMP-12	9/9/2020	4	0.5	No Comment
GMP-12	9/15/2020	4	0.8	No Comment
GMP-12	9/22/2020	4	1.0	No Comment
GMP-12	9/29/2020	4	1.5	No Comment
GMP-13D	7/7/2020	4	10.1	No Comment
GMP-13D	7/16/2020	4	10.9	No Comment
GMP-13D	7/21/2020	4	11.3	No Comment
GMP-13D	7/28/2020	4	11.8	No Comment
GMP-13D	8/4/2020	4	12.1	No Comment
GMP-13D	8/11/2020	4	12.1	No Comment
GMP-13D	8/18/2020	4	12.0	No Comment
GMP-13D	8/25/2020	4	12.2	No Comment
GMP-13D	9/2/2020	4	12.6	No Comment
GMP-13D	9/9/2020	4	13.1	No Comment
GMP-13D	9/15/2020	4	13.6	No Comment
GMP-13D	9/22/2020	4	14.3	No Comment
GMP-13D	9/29/2020	4	15.0	No Comment
GMP-13S	7/7/2020	4	11.9	No Comment
GMP-13S	7/14/2020	4	13.0	No Comment
GMP-13S	7/21/2020	4	12.3	No Comment
GMP-13S	7/28/2020	4	13.6	No Comment
GMP-13S	8/4/2020	4	11.6	No Comment
GMP-13S	8/11/2020	4	8.7	No Comment
GMP-13S	8/18/2020	4	12.2	No Comment
GMP-13S	8/25/2020	4	13.3	No Comment
GMP-13S	9/2/2020	4	14.2	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-13S	9/9/2020	4	15.0	No Comment
GMP-13S	9/15/2020	4	15.6	No Comment
GMP-13S	9/22/2020	4	16.3	No Comment
GMP-13S	9/29/2020	4	17.0	No Comment
GMP-14D	7/7/2020	3	11.4	No Comment
GMP-14D	7/16/2020	3	12.3	No Comment
GMP-14D	7/21/2020	3	12.6	No Comment
GMP-14D	7/28/2020	3	13.1	No Comment
GMP-14D	8/4/2020	3	12.0	No Comment
GMP-14D	8/11/2020	3	11.3	No Comment
GMP-14D	8/18/2020	3	11.4	No Comment
GMP-14D	8/25/2020	3	12.4	No Comment
GMP-14D	9/2/2020	3	13.2	No Comment
GMP-14D	9/9/2020	3	14.0	No Comment
GMP-14D	9/15/2020	3	14.6	No Comment
GMP-14D	9/22/2020	3	15.3	No Comment
GMP-14D	9/29/2020	3	16.1	No Comment
GMP-14S	7/7/2020	3	9.3	No Comment
GMP-14S	7/16/2020	3	10.1	No Comment
GMP-14S	7/21/2020	3	9.8	No Comment
GMP-14S	7/28/2020	3	10.7	No Comment
GMP-14S	8/4/2020	3	9.0	No Comment
GMP-14S	8/11/2020	3	7.0	No Comment
GMP-14S	8/18/2020	3	8.8	No Comment
GMP-14S	8/25/2020	3	9.9	No Comment
GMP-14S	9/2/2020	3	10.7	No Comment
GMP-14S	9/9/2020	3	11.4	No Comment
GMP-14S	9/15/2020	3	11.9	No Comment
GMP-14S	9/22/2020	3	12.7	No Comment
GMP-14S	9/29/2020	3	13.4	No Comment
GMP-15D	7/7/2020	1	11.8	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-15D	7/16/2020	1	12.1	No Comment
GMP-15D	7/21/2020	1	11.8	No Comment
GMP-15D	7/28/2020	1	11.8	No Comment
GMP-15D	8/4/2020	1	11.2	No Comment
GMP-15D	8/11/2020	1	10.6	No Comment
GMP-15D	8/18/2020	1	11.1	No Comment
GMP-15D	8/25/2020	1	11.6	No Comment
GMP-15D	9/2/2020	1	11.9	No Comment
GMP-15D	9/9/2020	1	12.2	No Comment
GMP-15D	9/15/2020	1	12.5	No Comment
GMP-15D	9/22/2020	1	12.7	No Comment
GMP-15D	9/29/2020	1	13.1	No Comment
GMP-15S	7/7/2020	1	9.3	No Comment
GMP-15S	7/16/2020	1	7.3	No Comment
GMP-15S	7/21/2020	1	7.1	No Comment
GMP-15S	7/28/2020	1	7.0	No Comment
GMP-15S	8/4/2020	1	6.5	No Comment
GMP-15S	8/11/2020	1	5.9	No Comment
GMP-15S	8/18/2020	1	6.8	No Comment
GMP-15S	8/25/2020	1	7.1	No Comment
GMP-15S	9/2/2020	1	7.4	No Comment
GMP-15S	9/9/2020	1	7.7	No Comment
GMP-15S	9/15/2020	1	7.9	No Comment
GMP-15S	9/22/2020	1	8.1	No Comment
GMP-15S	9/29/2020	1	8.3	No Comment
GMP-16D	7/7/2020	1	6.7	No Comment
GMP-16D	7/16/2020	1	7.1	No Comment
GMP-16D	7/21/2020	1	6.7	No Comment
GMP-16D	7/28/2020	1	6.7	No Comment
GMP-16D	8/4/2020	1	6.0	No Comment
GMP-16D	8/11/2020	1	5.1	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-16D	8/18/2020	1	5.7	No Comment
GMP-16D	8/25/2020	1	6.3	No Comment
GMP-16D	9/2/2020	1	6.8	No Comment
GMP-16D	9/9/2020	1	7.2	No Comment
GMP-16D	9/15/2020	1	7.4	No Comment
GMP-16D	9/22/2020	1	7.7	No Comment
GMP-16D	9/29/2020	1	8.0	No Comment
GMP-16S	7/7/2020	1	6.3	No Comment
GMP-16S	7/16/2020	1	6.7	No Comment
GMP-16S	7/21/2020	1	6.3	No Comment
GMP-16S	7/28/2020	1	6.3	No Comment
GMP-16S	8/4/2020	1	5.6	No Comment
GMP-16S	8/11/2020	1	4.7	No Comment
GMP-16S	8/18/2020	1	5.3	No Comment
GMP-16S	8/25/2020	1	6.0	No Comment
GMP-16S	9/2/2020	1	6.5	No Comment
GMP-16S	9/9/2020	1	6.9	No Comment
GMP-16S	9/15/2020	1	7.1	No Comment
GMP-16S	9/22/2020	1	7.4	No Comment
GMP-16S	9/29/2020	1	7.7	No Comment
GMP-4D	7/7/2020	3	10.8	No Comment
GMP-4D	7/16/2020	3	11.9	No Comment
GMP-4D	7/21/2020	3	12.0	No Comment
GMP-4D	7/28/2020	3	12.7	No Comment
GMP-4D	8/4/2020	3	12.2	No Comment
GMP-4D	8/11/2020	3	10.6	No Comment
GMP-4D	8/18/2020	3	10.8	No Comment
GMP-4D	8/25/2020	3	11.9	No Comment
GMP-4D	9/2/2020	3	12.9	No Comment
GMP-4D	9/9/2020	3	13.7	No Comment
GMP-4D	9/15/2020	3	14.4	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-4D	9/22/2020	3	15.1	No Comment
GMP-4D	9/29/2020	3	15.9	No Comment
GMP-4S	7/7/2020	3	10.4	No Comment
GMP-4S	7/16/2020	3	11.5	No Comment
GMP-4S	7/21/2020	3	11.6	No Comment
GMP-4S	7/28/2020	3	12.3	No Comment
GMP-4S	8/4/2020	3	10.8	No Comment
GMP-4S	8/11/2020	3	9.9	No Comment
GMP-4S	8/18/2020	3	10.4	No Comment
GMP-4S	8/25/2020	3	11.6	No Comment
GMP-4S	9/2/2020	3	12.5	No Comment
GMP-4S	9/9/2020	3	13.4	No Comment
GMP-4S	9/15/2020	3	13.9	No Comment
GMP-4S	9/22/2020	3	14.7	No Comment
GMP-4S	9/29/2020	3	15.6	No Comment
GMP-5D	7/7/2020	3	18.9	No Comment
GMP-5D	7/16/2020	3	19.3	No Comment
GMP-5D	7/21/2020	3	19.2	No Comment
GMP-5D	7/28/2020	3	19.1	No Comment
GMP-5D	8/4/2020	3	18.4	No Comment
GMP-5D	8/11/2020	3	17.8	No Comment
GMP-5D	8/18/2020	3	18.3	No Comment
GMP-5D	8/25/2020	3	18.8	No Comment
GMP-5D	9/2/2020	3	19.2	No Comment
GMP-5D	9/9/2020	3	19.5	No Comment
GMP-5D	9/15/2020	3	19.8	No Comment
GMP-5D	9/22/2020	3	20.1	No Comment
GMP-5D	9/29/2020	3	20.4	No Comment
GMP-5S	7/7/2020	3	14.1	No Comment
GMP-5S	7/16/2020	3	14.6	No Comment
GMP-5S	7/21/2020	3	14.6	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-5S	7/28/2020	3	14.9	No Comment
GMP-5S	8/4/2020	3	13.9	No Comment
GMP-5S	8/11/2020	3	13.1	No Comment
GMP-5S	8/18/2020	3	13.9	No Comment
GMP-5S	8/25/2020	3	14.6	No Comment
GMP-5S	9/2/2020	3	14.9	No Comment
GMP-5S	9/9/2020	3	15.2	No Comment
GMP-5S	9/15/2020	3	15.6	No Comment
GMP-5S	9/22/2020	3	16.0	No Comment
GMP-5S	9/29/2020	3	16.2	No Comment
GMP-6D	7/7/2020	1	10.3	No Comment
GMP-6D	7/16/2020	1	10.7	No Comment
GMP-6D	7/21/2020	1	10.5	No Comment
GMP-6D	7/28/2020	1	10.4	No Comment
GMP-6D	8/4/2020	1	9.7	No Comment
GMP-6D	8/11/2020	1	9.3	No Comment
GMP-6D	8/18/2020	1	9.7	No Comment
GMP-6D	8/25/2020	1	10.1	No Comment
GMP-6D	9/2/2020	1	10.6	No Comment
GMP-6D	9/9/2020	1	10.9	No Comment
GMP-6D	9/15/2020	1	11.1	No Comment
GMP-6D	9/22/2020	1	11.4	No Comment
GMP-6D	9/29/2020	1	11.7	No Comment
GMP-6S	7/7/2020	1	6.7	No Comment
GMP-6S	7/16/2020	1	7.4	No Comment
GMP-6S	7/21/2020	1	6.8	No Comment
GMP-6S	7/28/2020	1	6.7	No Comment
GMP-6S	8/4/2020	1	5.4	No Comment
GMP-6S	8/11/2020	1	4.8	No Comment
GMP-6S	8/18/2020	1	5.7	No Comment
GMP-6S	8/25/2020	1	6.5	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
GMP-6S	9/2/2020	1	7.0	No Comment
GMP-6S	9/9/2020	1	7.4	No Comment
GMP-6S	9/15/2020	1	7.6	No Comment
GMP-6S	9/22/2020	1	8.0	No Comment
GMP-6S	9/29/2020	1	8.2	No Comment
GMP-7D	7/7/2020	1	17.5	No Comment
GMP-7D	7/16/2020	1	17.1	No Comment
GMP-7D	7/21/2020	1	16.9	No Comment
GMP-7D	7/28/2020	1	17.0	No Comment
GMP-7D	8/4/2020	1	15.8	No Comment
GMP-7D	8/11/2020	1	15.2	No Comment
GMP-7D	8/18/2020	1	16.5	No Comment
GMP-7D	8/25/2020	1	17.0	No Comment
GMP-7D	9/2/2020	1	17.4	No Comment
GMP-7D	9/9/2020	1	17.8	No Comment
GMP-7D	9/15/2020	1	18.0	No Comment
GMP-7D	9/22/2020	1	18.5	No Comment
GMP-7D	9/29/2020	1	18.8	No Comment
GMP-7S	7/7/2020	1	16.0	No Comment
GMP-7S	7/16/2020	1	15.6	No Comment
GMP-7S	7/21/2020	1	15.5	No Comment
GMP-7S	7/28/2020	1	15.4	No Comment
GMP-7S	8/4/2020	1	13.8	No Comment
GMP-7S	8/11/2020	1	13.7	No Comment
GMP-7S	8/18/2020	1	15.4	No Comment
GMP-7S	8/25/2020	1	16.1	No Comment
GMP-7S	9/2/2020	1	16.5	No Comment
GMP-7S	9/9/2020	1	17.0	No Comment
GMP-7S	9/15/2020	1	17.2	No Comment
GMP-7S	9/22/2020	1	17.7	No Comment
GMP-7S	9/29/2020	1	17.9	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
TMP-1D	7/7/2020	2	20.5	No Comment
TMP-1D	7/9/2020	2	20.0	No Comment
TMP-1D	7/16/2020	2	20.8	No Comment
TMP-1D	7/21/2020	2	20.3	No Comment
TMP-1D	7/28/2020	2	20.7	No Comment
TMP-1D	8/4/2020	2	19.3	No Comment
TMP-1D	8/11/2020	2	18.1	No Comment
TMP-1D	8/18/2020	2	19.1	No Comment
TMP-1D	8/25/2020	2	20.0	No Comment
TMP-1D	9/2/2020	2	20.7	No Comment
TMP-1D	9/9/2020	2	21.8	No Comment
TMP-1D	9/15/2020	2	21.4	No Comment
TMP-1D	9/22/2020	2	21.7	No Comment
TMP-1D	9/29/2020	2	21.9	No Comment
TMP-1D	9/30/2020	2	21.6	No Comment
TMP-1M	7/7/2020	2	20.6	No Comment
TMP-1M	7/9/2020	2	21.4	No Comment
TMP-1M	7/16/2020	2	20.9	No Comment
TMP-1M	7/21/2020	2	20.5	No Comment
TMP-1M	7/28/2020	2	20.5	No Comment
TMP-1M	8/4/2020	2	19.3	No Comment
TMP-1M	8/11/2020	2	18.1	No Comment
TMP-1M	8/18/2020	2	19.1	No Comment
TMP-1M	8/25/2020	2	20.0	No Comment
TMP-1M	9/2/2020	2	20.7	No Comment
TMP-1M	9/9/2020	2	21.8	No Comment
TMP-1M	9/15/2020	2	21.4	No Comment
TMP-1M	9/22/2020	2	21.7	No Comment
TMP-1M	9/29/2020	2	21.8	No Comment
TMP-1M	9/30/2020	2	22.2	No Comment
TMP-1S	7/7/2020	2	20.1	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
TMP-1S	7/9/2020	2	20.0	No Comment
TMP-1S	7/14/2020	2	20.3	No Comment
TMP-1S	7/16/2020	2	20.4	No Comment
TMP-1S	7/21/2020	2	19.7	No Comment
TMP-1S	7/28/2020	2	20.1	No Comment
TMP-1S	8/4/2020	2	18.4	No Comment
TMP-1S	8/11/2020	2	16.9	No Comment
TMP-1S	8/18/2020	2	18.1	No Comment
TMP-1S	8/25/2020	2	19.3	No Comment
TMP-1S	9/2/2020	2	20.0	No Comment
TMP-1S	9/9/2020	2	20.5	No Comment
TMP-1S	9/15/2020	2	20.8	No Comment
TMP-1S	9/22/2020	2	21.1	No Comment
TMP-1S	9/29/2020	2	21.4	No Comment
TMP-2D	7/7/2020	2	20.9	No Comment
TMP-2D	7/9/2020	2	20.7	No Comment
TMP-2D	7/16/2020	2	21.2	No Comment
TMP-2D	7/21/2020	2	20.2	No Comment
TMP-2D	7/28/2020	2	20.5	No Comment
TMP-2D	8/4/2020	2	17.7	No Comment
TMP-2D	8/11/2020	2	16.1	No Comment
TMP-2D	8/18/2020	2	18.0	No Comment
TMP-2D	8/25/2020	2	19.4	No Comment
TMP-2D	9/2/2020	2	20.2	No Comment
TMP-2D	9/9/2020	2	20.7	No Comment
TMP-2D	9/15/2020	2	21.3	No Comment
TMP-2D	9/22/2020	2	21.5	No Comment
TMP-2D	9/29/2020	2	21.6	No Comment
TMP-2M	7/7/2020	2	20.9	No Comment
TMP-2M	7/9/2020	2	20.8	No Comment
TMP-2M	7/16/2020	2	21.2	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
TMP-2M	7/21/2020	2	20.2	No Comment
TMP-2M	7/28/2020	2	20.5	No Comment
TMP-2M	8/4/2020	2	17.8	No Comment
TMP-2M	8/11/2020	2	16.1	No Comment
TMP-2M	8/18/2020	2	18.0	No Comment
TMP-2M	8/25/2020	2	19.4	No Comment
TMP-2M	9/2/2020	2	20.2	No Comment
TMP-2M	9/9/2020	2	20.7	No Comment
TMP-2M	9/15/2020	2	21.3	No Comment
TMP-2M	9/22/2020	2	21.6	No Comment
TMP-2M	9/29/2020	2	21.8	No Comment
TMP-2S	7/7/2020	2	17.5	No Comment
TMP-2S	7/9/2020	2	17.4	No Comment
TMP-2S	7/14/2020	2	17.5	No Comment
TMP-2S	7/16/2020	2	17.5	No Comment
TMP-2S	7/21/2020	2	17.5	No Comment
TMP-2S	7/28/2020	2	17.5	No Comment
TMP-2S	8/4/2020	2	17.0	No Comment
TMP-2S	8/11/2020	2	16.1	No Comment
TMP-2S	8/18/2020	2	17.5	No Comment
TMP-2S	8/25/2020	2	17.5	No Comment
TMP-2S	9/2/2020	2	17.5	No Comment
TMP-2S	9/9/2020	2	17.5	No Comment
TMP-2S	9/15/2020	2	17.5	No Comment
TMP-2S	9/22/2020	2	17.5	No Comment
TMP-2S	9/29/2020	2	17.5	No Comment
TMP-3D	7/7/2020	2	19.7	No Comment
TMP-3D	7/9/2020	2	19.4	No Comment
TMP-3D	7/16/2020	2	19.9	No Comment
TMP-3D	7/21/2020	2	19.1	No Comment
TMP-3D	7/28/2020	2	19.7	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
TMP-3D	8/4/2020	2	18.1	No Comment
TMP-3D	8/11/2020	2	17.0	No Comment
TMP-3D	8/18/2020	2	18.1	No Comment
TMP-3D	8/25/2020	2	19.1	No Comment
TMP-3D	9/2/2020	2	19.8	No Comment
TMP-3D	9/9/2020	2	20.4	No Comment
TMP-3D	9/15/2020	2	20.7	No Comment
TMP-3D	9/22/2020	2	20.9	No Comment
TMP-3D	9/29/2020	2	21.0	No Comment
TMP-3D	9/30/2020	2	20.7	No Comment
TMP-3M	7/7/2020	2	20.1	No Comment
TMP-3M	7/9/2020	2	20.0	No Comment
TMP-3M	7/16/2020	2	20.4	No Comment
TMP-3M	7/21/2020	2	19.1	No Comment
TMP-3M	7/28/2020	2	20.0	No Comment
TMP-3M	8/4/2020	2	18.4	No Comment
TMP-3M	8/11/2020	2	17.2	No Comment
TMP-3M	8/18/2020	2	18.2	No Comment
TMP-3M	8/25/2020	2	19.4	No Comment
TMP-3M	9/2/2020	2	20.1	No Comment
TMP-3M	9/9/2020	2	20.8	No Comment
TMP-3M	9/15/2020	2	21.0	No Comment
TMP-3M	9/22/2020	2	21.1	No Comment
TMP-3M	9/29/2020	2	21.3	No Comment
TMP-3S	7/7/2020	2	21.1	No Comment
TMP-3S	7/9/2020	2	20.9	No Comment
TMP-3S	7/14/2020	2	21.4	No Comment
TMP-3S	7/16/2020	2	21.6	No Comment
TMP-3S	7/21/2020	2	17.6	No Comment
TMP-3S	7/28/2020	2	20.7	No Comment
TMP-3S	8/4/2020	2	18.3	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
TMP-3S	8/11/2020	2	17.2	No Comment
TMP-3S	8/18/2020	2	18.6	No Comment
TMP-3S	8/25/2020	2	20.3	No Comment
TMP-3S	9/2/2020	2	21.2	No Comment
TMP-3S	9/9/2020	2	21.8	No Comment
TMP-3S	9/15/2020	2	22.1	No Comment
TMP-3S	9/22/2020	2	22.4	No Comment
TMP-3S	9/29/2020	2	22.5	No Comment

TABLE 7

TEMPORARY MONITORING POINT DATA

JULY 01, 2020 – SEPTEMBER 30, 2020

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
Temporary Probe 01004	Bi-Weekly	2	7/2/2020	2.0	1.7	18.6	77.7	30	0.01
Temporary Probe 01004	Bi-Weekly	2	7/7/2020	4.7	5.3	16.8	73.2	30	0.00
Temporary Probe 01004	Bi-Weekly	2	7/9/2020	6.1	7.0	15.2	71.7	30	1.00
Temporary Probe 01004	Bi-Weekly	2	7/14/2020	2.8	3.3	17.5	76.4	30	0.45
Temporary Probe 01004	Bi-Weekly	2	7/16/2020	4.3	5.2	16.9	73.6	30	-1.27
Temporary Probe 01004	Bi-Weekly	2	7/21/2020	5.8	7.5	14.7	72.0	30	0.23
Temporary Probe 1001D	Bi-Weekly	2	7/2/2020	1.0	1.9	18.9	78.2	30	0.03
Temporary Probe 1001D	Bi-Weekly	2	7/7/2020	1.3	3.0	18.5	77.2	30	0.07
Temporary Probe 1001D	Bi-Weekly	2	7/9/2020	0.6	1.3	19.1	79.0	30	0.08
Temporary Probe 1001D	Bi-Weekly	2	7/14/2020	0.1	0.3	20.4	79.2	30	0.00
Temporary Probe 1001D	Bi-Weekly	2	7/16/2020	1.0	3.3	18.3	77.4	30	0.01
Temporary Probe 1001D	Bi-Weekly	2	7/21/2020	0.2	3.3	17.8	78.7	30	0.07
Temporary Probe 1001S	Bi-Weekly	2	7/2/2020	0.0	6.4	13.7	79.9	30	0.02
Temporary Probe 1001S	Bi-Weekly	2	7/7/2020	0.0	4.4	17.7	77.9	30	0.00
Temporary Probe 1001S	Bi-Weekly	2	7/9/2020	0.0	6.4	14.8	78.8	30	0.06
Temporary Probe 1001S	Bi-Weekly	2	7/14/2020	0.0	8.3	12.5	79.2	30	0.02
Temporary Probe 1001S	Bi-Weekly	2	7/16/2020	0.0	8.4	15.1	76.5	30	-0.05
Temporary Probe 1001S	Bi-Weekly	2	7/21/2020	0.0	9.4	14.0	76.6	30	0.06
Temporary Probe 1002D	Bi-Weekly	2	7/2/2020	0.0	0.1	20.2	79.7	30	0.00
Temporary Probe 1002D	Bi-Weekly	2	7/7/2020	0.7	2.6	19.0	77.7	30	0.16
Temporary Probe 1002D	Bi-Weekly	2	7/9/2020	0.6	1.3	18.9	79.2	30	0.11
Temporary Probe 1002D	Bi-Weekly	2	7/14/2020	0.4	0.7	19.5	79.4	30	0.06
Temporary Probe 1002D	Bi-Weekly	2	7/16/2020	0.7	2.0	19.3	78.0	30	-0.07
Temporary Probe 1002D	Bi-Weekly	2	7/21/2020	0.0	0.0	20.7	79.3	30	0.00
Temporary Probe 1002M	Bi-Weekly	2	7/2/2020	0.0	0.4	20.0	79.6	30	-0.01
Temporary Probe 1002M	Bi-Weekly	2	7/7/2020	0.0	0.0	20.7	79.3	30	0.00
Temporary Probe 1002M	Bi-Weekly	2	7/9/2020	0.0	0.1	20.1	79.8	30	0.00
Temporary Probe 1002M	Bi-Weekly	2	7/14/2020	0.0	1.1	20.0	78.9	30	0.01
Temporary Probe 1002M	Bi-Weekly	2	7/16/2020	0.0	0.1	20.8	79.1	30	0.00
Temporary Probe 1002M	Bi-Weekly	2	7/21/2020	0.0	0.1	20.7	79.2	30	0.00
Temporary Probe 1002S	Bi-Weekly	2	7/2/2020	0.0	3.4	18.0	78.6	30	0.01
Temporary Probe 1002S	Bi-Weekly	2	7/7/2020	0.0	0.8	20.1	79.1	30	0.07
Temporary Probe 1002S	Bi-Weekly	2	7/9/2020	0.0	1.5	19.2	79.3	30	0.05
Temporary Probe 1002S	Bi-Weekly	2	7/14/2020	0.0	6.9	16.0	77.1	30	0.02
Temporary Probe 1002S	Bi-Weekly	2	7/16/2020	0.0	0.7	20.8	78.5	30	0.04
Temporary Probe 1002S	Bi-Weekly	2	7/21/2020	0.0	2.0	19.7	78.3	30	0.00
Temporary Probe 1003D	Bi-Weekly	2	7/2/2020	0.0	6.7	13.4	79.9	30	-0.32
Temporary Probe 1003D	Bi-Weekly	2	7/7/2020	0.0	14.8	8.1	77.1	30	0.06
Temporary Probe 1003D	Bi-Weekly	2	7/9/2020	0.0	9.3	11.8	78.9	30	0.33
Temporary Probe 1003D	Bi-Weekly	2	7/14/2020	0.0	11.0	10.4	78.6	30	-0.18
Temporary Probe 1003D	Bi-Weekly	2	7/16/2020	0.0	13.0	10.1	76.9	30	-0.28

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
Temporary Probe 1003D	Bi-Weekly	2	7/21/2020	0.0	14.6	8.8	76.6	30	0.14
Temporary Probe 1003S	Bi-Weekly	2	7/2/2020	0.0	5.8	16.1	78.1	30	0.01
Temporary Probe 1003S	Bi-Weekly	2	7/7/2020	0.0	2.0	19.3	78.7	30	0.12
Temporary Probe 1003S	Bi-Weekly	2	7/9/2020	0.0	8.7	15.8	75.5	30	0.12
Temporary Probe 1003S	Bi-Weekly	2	7/14/2020	0.0	9.5	14.1	76.4	30	0.02
Temporary Probe 1003S	Bi-Weekly	2	7/16/2020	0.0	11.2	15.1	73.7	30	0.09
Temporary Probe 1003S	Bi-Weekly	2	7/21/2020	0.0	15.2	13.2	71.6	30	0.27
Temporary Probe 1005D	Bi-Weekly	2	7/2/2020	0.2	1.6	19.0	79.2	30	-0.07
Temporary Probe 1005D	Bi-Weekly	2	7/7/2020	0.0	1.1	19.8	79.1	30	0.14
Temporary Probe 1005D	Bi-Weekly	2	7/9/2020	0.2	2.3	18.9	78.6	30	0.39
Temporary Probe 1005D	Bi-Weekly	2	7/14/2020	0.4	1.1	19.3	79.2	30	-0.01
Temporary Probe 1005D	Bi-Weekly	2	7/16/2020	0.4	2.1	19.7	77.8	30	0.08
Temporary Probe 1005D	Bi-Weekly	2	7/21/2020	0.5	3.2	18.8	77.5	30	-0.24
Temporary Probe 1005M	Bi-Weekly	2	7/2/2020	0.6	1.3	19.4	78.7	30	-4.69
Temporary Probe 1005M	Bi-Weekly	2	7/7/2020	2.0	4.4	18.2	75.4	30	0.41
Temporary Probe 1005M	Bi-Weekly	2	7/9/2020	1.1	2.4	18.6	77.9	30	-2.88
Temporary Probe 1005M	Bi-Weekly	2	7/14/2020	1.1	2.7	18.8	77.4	30	0.05
Temporary Probe 1005M	Bi-Weekly	2	7/16/2020	1.4	3.1	19.1	76.4	30	-0.80
Temporary Probe 1005M	Bi-Weekly	2	7/21/2020	1.7	4.0	18.2	76.1	30	1.85
Temporary Probe 1005S	Bi-Weekly	2	7/2/2020	0.0	3.6	16.3	80.1	30	0.02
Temporary Probe 1005S	Bi-Weekly	2	7/7/2020	0.0	16.4	8.8	74.8	30	0.72
Temporary Probe 1005S	Bi-Weekly	2	7/9/2020	0.0	12.8	10.8	76.4	30	2.58
Temporary Probe 1005S	Bi-Weekly	2	7/14/2020	0.0	7.8	13.4	78.8	30	0.02
Temporary Probe 1005S	Bi-Weekly	2	7/16/2020	0.0	12.9	11.7	75.4	30	-1.99
Temporary Probe 1005S	Bi-Weekly	2	7/21/2020	0.0	16.1	9.5	74.4	30	0.39
Temporary Probe 1006D	Bi-Weekly	2	7/2/2020	0.3	0.1	19.6	80.0	30	-2.59
Temporary Probe 1006D	Bi-Weekly	2	7/7/2020	0.5	0.3	19.0	80.2	30	0.55
Temporary Probe 1006D	Bi-Weekly	2	7/9/2020	0.4	0.1	19.1	80.4	30	0.35
Temporary Probe 1006D	Bi-Weekly	2	7/14/2020	0.2	0.1	19.7	80.0	30	-0.01
Temporary Probe 1006D	Bi-Weekly	2	7/16/2020	0.6	0.2	19.7	79.5	30	-0.24
Temporary Probe 1006D	Bi-Weekly	2	7/21/2020	0.5	0.2	19.3	80.0	30	-0.25
Temporary Probe 1006M	Bi-Weekly	2	7/2/2020	2.2	1.0	19.2	77.6	30	-0.40
Temporary Probe 1006M	Bi-Weekly	2	7/7/2020	1.9	1.4	19.2	77.5	30	-0.66
Temporary Probe 1006M	Bi-Weekly	2	7/9/2020	8.8	6.6	15.9	68.7	30	0.00
Temporary Probe 1006M	Bi-Weekly	2	7/14/2020	6.8	3.5	17.4	72.3	30	0.03
Temporary Probe 1006M	Bi-Weekly	2	7/16/2020	5.6	3.3	18.3	72.8	30	-0.36
Temporary Probe 1006M	Bi-Weekly	2	7/21/2020	8.8	6.8	16.0	68.4	30	0.06
Temporary Probe 1006S	Bi-Weekly	2	7/2/2020	0.2	2.3	14.8	82.7	30	-0.22
Temporary Probe 1006S	Bi-Weekly	2	7/7/2020	0.0	7.2	11.9	80.9	30	-0.23
Temporary Probe 1006S	Bi-Weekly	2	7/9/2020	0.0	7.2	10.4	82.4	30	0.13
Temporary Probe 1006S	Bi-Weekly	2	7/14/2020	0.0	6.4	10.5	83.1	30	0.00

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
Temporary Probe 1006S	Bi-Weekly	2	7/16/2020	0.0	5.1	16.0	78.9	30	0.15
Temporary Probe 1006S	Bi-Weekly	2	7/21/2020	0.0	13.0	6.8	80.2	30	-0.27
Temporary Probe 1007D	Bi-Weekly	2	7/2/2020	0.4	0.1	19.5	80.0	30	0.82
Temporary Probe 1007D	Bi-Weekly	2	7/7/2020	3.1	1.0	18.0	77.9	30	1.17
Temporary Probe 1007D	Bi-Weekly	2	7/9/2020	2.0	0.4	19.5	78.1	30	0.97
Temporary Probe 1007D	Bi-Weekly	2	7/14/2020	2.3	0.3	19.4	78.0	30	0.81
Temporary Probe 1007D	Bi-Weekly	2	7/16/2020	5.0	1.1	18.2	75.7	30	-1.22
Temporary Probe 1007D	Bi-Weekly	2	7/21/2020	5.5	1.4	17.8	75.3	30	0.96
Temporary Probe 1007M	Bi-Weekly	2	7/2/2020	32.2	14.9	10.9	42.0	30	8.24
Temporary Probe 1007M	Bi-Weekly	2	7/7/2020	14.8	6.9	15.1	63.2	30	0.49
Temporary Probe 1007M	Bi-Weekly	2	7/9/2020	34.0	17.0	10.0	39.0	30	3.26
Temporary Probe 1007M	Bi-Weekly	2	7/14/2020	10.4	4.6	17.2	67.8	30	0.14
Temporary Probe 1007M	Bi-Weekly	2	7/16/2020	8.5	3.6	18.2	69.7	30	0.17
Temporary Probe 1007M	Bi-Weekly	2	7/21/2020	30.6	16.1	10.3	43.0	30	0.17
Temporary Probe 1007S	Bi-Weekly	2	7/2/2020	64.8	35.1	0.1	0.0	30	-0.07
Temporary Probe 1007S	Bi-Weekly	2	7/7/2020	60.8	31.7	0.0	7.5	30	0.00
Temporary Probe 1007S	Bi-Weekly	2	7/9/2020	62.2	32.5	0.0	5.3	30	0.78
Temporary Probe 1007S	Bi-Weekly	2	7/14/2020	63.2	35.9	0.0	0.9	30	0.60
Temporary Probe 1007S	Bi-Weekly	2	7/16/2020	62.6	32.4	0.0	5.0	30	0.13
Temporary Probe 1007S	Bi-Weekly	2	7/21/2020	60.4	33.0	0.0	6.6	30	-0.28
Temporary Probe 1008D	Bi-Weekly	2	7/2/2020	16.0	1.8	15.5	66.7	30	0.02
Temporary Probe 1008D	Bi-Weekly	2	7/7/2020	3.4	0.2	19.8	76.6	30	0.29
Temporary Probe 1008D	Bi-Weekly	2	7/9/2020	37.9	4.6	10.5	47.0	30	1.75
Temporary Probe 1008D	Bi-Weekly	2	7/14/2020	16.6	1.1	15.9	66.4	30	-0.02
Temporary Probe 1008D	Bi-Weekly	2	7/16/2020	2.4	0.2	20.1	77.3	30	0.08
Temporary Probe 1008D	Bi-Weekly	2	7/21/2020	10.8	1.3	17.5	70.4	30	0.17
Temporary Probe 1008S	Bi-Weekly	2	7/2/2020	10.5	1.6	17.5	70.4	30	0.00
Temporary Probe 1008S	Bi-Weekly	2	7/7/2020	1.7	0.4	20.4	77.5	30	-0.18
Temporary Probe 1008S	Bi-Weekly	2	7/9/2020	12.3	4.1	16.9	66.7	30	0.22
Temporary Probe 1008S	Bi-Weekly	2	7/14/2020	7.1	1.7	18.4	72.8	30	0.05
Temporary Probe 1008S	Bi-Weekly	2	7/16/2020	5.2	1.3	19.5	74.0	30	0.23
Temporary Probe 1008S	Bi-Weekly	2	7/21/2020	7.2	2.0	19.0	71.8	30	0.37
Temporary Probe 1009D	Bi-Weekly	2	7/2/2020	20.2	5.0	14.7	60.1	30	-0.03
Temporary Probe 1009D	Bi-Weekly	2	7/7/2020	36.5	13.1	10.0	40.4	30	0.56
Temporary Probe 1009D	Bi-Weekly	2	7/9/2020	25.7	9.4	13.2	51.7	30	0.49
Temporary Probe 1009D	Bi-Weekly	2	7/14/2020	19.4	4.8	14.7	61.1	30	0.00
Temporary Probe 1009D	Bi-Weekly	2	7/16/2020	0.3	0.0	20.6	79.1	30	-0.26
Temporary Probe 1009D	Bi-Weekly	2	7/21/2020	0.6	0.1	20.3	79.0	30	-0.41
Temporary Probe 1009S	Bi-Weekly	2	7/2/2020	0.0	0.3	20.5	79.2	30	-0.04
Temporary Probe 1009S	Bi-Weekly	2	7/7/2020	0.0	0.0	20.4	79.6	30	0.17
Temporary Probe 1009S	Bi-Weekly	2	7/9/2020	0.0	0.0	20.7	79.3	30	-0.05

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
Temporary Probe 1009S	Bi-Weekly	2	7/14/2020	0.0	0.1	20.4	79.5	30	0.00
Temporary Probe 1009S	Bi-Weekly	2	7/16/2020	0.0	0.8	19.9	79.3	30	-0.20
Temporary Probe 1009S	Bi-Weekly	2	7/21/2020	0.0	9.1	14.7	76.2	30	0.14
Temporary Probe 1010D	Bi-Weekly	2	7/2/2020	3.3	0.8	18.3	77.6	30	-5.49
Temporary Probe 1010D	Bi-Weekly	2	7/7/2020	3.9	2.4	18.4	75.3	30	0.34
Temporary Probe 1010D	Bi-Weekly	2	7/9/2020	3.7	2.2	18.7	75.4	30	0.28
Temporary Probe 1010D	Bi-Weekly	2	7/14/2020	3.7	1.6	17.5	77.2	30	0.15
Temporary Probe 1010D	Bi-Weekly	2	7/16/2020	3.1	1.5	18.9	76.5	30	0.39
Temporary Probe 1010D	Bi-Weekly	2	7/21/2020	3.6	2.2	18.1	76.1	30	0.96
Temporary Probe 1010M	Bi-Weekly	2	7/2/2020	10.6	6.3	16.2	66.9	30	-0.07
Temporary Probe 1010M	Bi-Weekly	2	7/7/2020	41.1	38.9	2.5	17.5	30	-0.16
Temporary Probe 1010M	Bi-Weekly	2	7/9/2020	46.0	45.2	0.1	8.7	30	22.45
Temporary Probe 1010M	Bi-Weekly	2	7/14/2020	31.8	32.4	7.5	28.3	30	0.05
Temporary Probe 1010M	Bi-Weekly	2	7/16/2020	2.0	1.4	20.0	76.6	30	-0.40
Temporary Probe 1010M	Bi-Weekly	2	7/21/2020	1.5	1.2	19.9	77.4	30	-0.33
Temporary Probe 1010S	Bi-Weekly	2	7/2/2020	0.0	6.5	12.4	81.1	30	0.06
Temporary Probe 1010S	Bi-Weekly	2	7/7/2020	0.0	7.5	14.2	78.3	30	1.66
Temporary Probe 1010S	Bi-Weekly	2	7/9/2020	0.0	5.3	16.1	78.6	30	0.06
Temporary Probe 1010S	Bi-Weekly	2	7/14/2020	0.0	3.4	16.7	79.9	30	-0.01
Temporary Probe 1010S	Bi-Weekly	2	7/16/2020	0.0	11.2	10.7	78.1	30	-0.10
Temporary Probe 1010S	Bi-Weekly	2	7/21/2020	0.0	11.6	11.1	77.3	30	0.18
Temporary Probe 1011D	Bi-Weekly	2	7/2/2020	2.2	2.0	16.9	78.9	30	0.54
Temporary Probe 1011D	Bi-Weekly	2	7/7/2020	1.8	3.3	17.7	77.2	30	0.48
Temporary Probe 1011D	Bi-Weekly	2	7/9/2020	1.4	1.6	18.9	78.1	30	1.33
Temporary Probe 1011D	Bi-Weekly	2	7/14/2020	2.8	1.7	17.0	78.5	30	5.43
Temporary Probe 1011D	Bi-Weekly	2	7/16/2020	12.6	7.3	14.7	65.4	30	0.04
Temporary Probe 1011D	Bi-Weekly	2	7/21/2020	8.5	6.0	15.4	70.1	30	1.01
Temporary Probe 1011M	Bi-Weekly	2	7/2/2020	71.0	28.5	0.5	0.0	30	15.62
Temporary Probe 1011M	Bi-Weekly	2	7/7/2020	53.8	22.9	4.2	19.1	30	1.04
Temporary Probe 1011M	Bi-Weekly	2	7/9/2020	65.6	26.2	0.8	7.4	30	10.61
Temporary Probe 1011M	Bi-Weekly	2	7/14/2020	36.9	15.6	9.4	38.1	30	4.71
Temporary Probe 1011M	Bi-Weekly	2	7/16/2020	47.3	20.3	5.8	26.6	30	2.46
Temporary Probe 1011M	Bi-Weekly	2	7/21/2020	67.0	24.7	0.9	7.4	30	5.41
Temporary Probe 1011S	Bi-Weekly	2	7/2/2020	0.1	0.1	18.9	80.9	30	0.16
Temporary Probe 1011S	Bi-Weekly	2	7/7/2020	0.0	0.0	20.4	79.6	30	0.12
Temporary Probe 1011S	Bi-Weekly	2	7/9/2020	0.0	0.0	20.8	79.2	30	0.04
Temporary Probe 1011S	Bi-Weekly	2	7/14/2020	0.0	0.1	18.8	81.1	30	0.02
Temporary Probe 1011S	Bi-Weekly	2	7/16/2020	0.0	0.0	20.7	79.3	30	0.03
Temporary Probe 1011S	Bi-Weekly	2	7/21/2020	0.0	0.1	20.6	79.3	30	0.10
Temporary Probe 1012D	Bi-Weekly	2	7/2/2020	4.3	0.4	18.1	77.2	30	-0.08
Temporary Probe 1012D	Bi-Weekly	2	7/7/2020	1.4	0.3	20.3	78.0	30	-0.10

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
Temporary Probe 1012D	Bi-Weekly	2	7/9/2020	3.0	1.1	19.3	76.6	30	-0.26
Temporary Probe 1012D	Bi-Weekly	2	7/14/2020	1.0	0.2	18.9	79.9	30	-0.01
Temporary Probe 1012D	Bi-Weekly	2	7/16/2020	2.0	0.5	20.1	77.4	30	-0.13
Temporary Probe 1012D	Bi-Weekly	2	7/22/2020	3.1	0.8	18.8	77.3	30	-0.15
Temporary Probe 1012S	Bi-Weekly	2	7/2/2020	0.7	0.0	12.6	86.7	30	0.06
Temporary Probe 1012S	Bi-Weekly	2	7/7/2020	0.0	0.0	21.0	79.0	30	-0.02
Temporary Probe 1012S	Bi-Weekly	2	7/9/2020	0.0	0.0	18.4	81.6	30	-0.01
Temporary Probe 1012S	Bi-Weekly	2	7/14/2020	0.5	0.2	11.1	88.2	30	0.00
Temporary Probe 1012S	Bi-Weekly	2	7/16/2020	0.0	0.0	20.5	79.5	30	0.03
Temporary Probe 1012S	Bi-Weekly	2	7/22/2020	0.2	0.0	12.1	87.7	30	0.09
Temporary Probe 1013B	Bi-Weekly	2	7/2/2020	0.0	0.1	19.0	80.9	30	1.42
Temporary Probe 1013B	Bi-Weekly	2	7/7/2020	0.0	0.1	20.1	79.8	30	0.44
Temporary Probe 1013B	Bi-Weekly	2	7/9/2020	0.0	0.1	20.3	79.6	30	1.73
Temporary Probe 1013B	Bi-Weekly	2	7/14/2020	0.0	0.1	19.1	80.8	30	1.07
Temporary Probe 1013B	Bi-Weekly	2	7/16/2020	0.0	0.1	20.5	79.4	30	-1.12
Temporary Probe 1013B	Bi-Weekly	2	7/22/2020	44.7	15.7	7.0	32.6	30	23.43
Temporary Probe 1013D	Bi-Weekly	2	7/2/2020	0.2	0.1	19.0	80.7	30	0.31
Temporary Probe 1013D	Bi-Weekly	2	7/7/2020	0.5	0.1	20.1	79.3	30	0.81
Temporary Probe 1013D	Bi-Weekly	2	7/9/2020	0.3	0.1	20.2	79.4	30	0.11
Temporary Probe 1013D	Bi-Weekly	2	7/14/2020	0.3	0.2	19.0	80.5	30	0.79
Temporary Probe 1013D	Bi-Weekly	2	7/16/2020	0.6	0.1	20.4	78.9	30	0.12
Temporary Probe 1013D	Bi-Weekly	2	7/22/2020	1.2	0.3	18.5	80.0	30	0.16
Temporary Probe 1013M	Bi-Weekly	2	7/2/2020	1.5	0.6	18.6	79.3	30	0.27
Temporary Probe 1013M	Bi-Weekly	2	7/7/2020	1.7	1.1	19.8	77.4	30	-0.25
Temporary Probe 1013M	Bi-Weekly	2	7/9/2020	1.0	0.8	20.0	78.2	30	0.12
Temporary Probe 1013M	Bi-Weekly	2	7/14/2020	0.5	1.1	18.8	79.6	30	0.08
Temporary Probe 1013M	Bi-Weekly	2	7/16/2020	0.9	0.9	20.0	78.2	30	-0.01
Temporary Probe 1013M	Bi-Weekly	2	7/22/2020	0.7	1.6	18.6	79.1	30	0.10
Temporary Probe 1013S	Bi-Weekly	2	7/2/2020	0.1	4.3	13.8	81.8	30	0.50
Temporary Probe 1013S	Bi-Weekly	2	7/7/2020	0.0	12.5	9.8	77.7	30	0.37
Temporary Probe 1013S	Bi-Weekly	2	7/9/2020	0.0	12.0	10.8	77.2	30	0.62
Temporary Probe 1013S	Bi-Weekly	2	7/14/2020	0.0	8.9	11.7	79.4	30	0.49
Temporary Probe 1013S	Bi-Weekly	2	7/16/2020	0.0	10.6	12.8	76.6	30	-0.01
Temporary Probe 1013S	Bi-Weekly	2	7/22/2020	0.0	12.1	11.1	76.8	30	0.71
Temporary Probe 1014D	Bi-Weekly	2	7/2/2020	0.1	0.4	18.8	80.7	30	-0.10
Temporary Probe 1014D	Bi-Weekly	2	7/7/2020	0.1	0.4	20.0	79.5	30	0.19
Temporary Probe 1014D	Bi-Weekly	2	7/9/2020	0.0	0.1	20.7	79.2	30	-0.05
Temporary Probe 1014D	Bi-Weekly	2	7/14/2020	0.0	1.1	19.1	79.8	30	0.01
Temporary Probe 1014D	Bi-Weekly	2	7/16/2020	0.0	0.2	20.9	78.9	30	0.03
Temporary Probe 1014D	Bi-Weekly	2	7/22/2020	0.1	0.9	17.9	81.1	30	0.00
Temporary Probe 1014S	Bi-Weekly	2	7/2/2020	0.0	5.4	12.5	82.1	30	1.47

Point Name	Frequency	Quadrant	Record Date	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Barometric Pressure	Relative Pressure
Temporary Probe 1014S	Bi-Weekly	2	7/7/2020	0.0	12.7	8.4	78.9	30	0.69
Temporary Probe 1014S	Bi-Weekly	2	7/9/2020	0.0	12.5	8.7	78.8	30	0.51
Temporary Probe 1014S	Bi-Weekly	2	7/14/2020	0.0	10.0	9.8	80.2	30	0.33
Temporary Probe 1014S	Bi-Weekly	2	7/16/2020	0.0	11.2	10.1	78.7	30	0.10
Temporary Probe 1014S	Bi-Weekly	2	7/22/2020	0.1	13.0	7.8	79.1	30	0.11

TABLE 8

TEMPORARY MONITORING POINT WATER LEVEL DATA

JULY 01, 2020 – SEPTEMBER 30, 2020

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
Temporary Probe 01004	7/7/2020	2	26.8	No Comment
Temporary Probe 01004	7/9/2020	2	26.6	No Comment
Temporary Probe 01004	7/14/2020	2	26.9	No Comment
Temporary Probe 01004	7/16/2020	2	26.9	No Comment
Temporary Probe 01004	7/21/2020	2	26.5	No Comment
Temporary Probe 1001D	7/7/2020	2	25.1	No Comment
Temporary Probe 1001D	7/9/2020	2	24.2	No Comment
Temporary Probe 1001D	7/14/2020	2	24.4	No Comment
Temporary Probe 1001D	7/16/2020	2	24.7	No Comment
Temporary Probe 1001D	7/21/2020	2	25.0	No Comment
Temporary Probe 1001S	7/7/2020	2	18.7	No Comment
Temporary Probe 1001S	7/9/2020	2	18.7	No Comment
Temporary Probe 1001S	7/14/2020	2	18.7	No Comment
Temporary Probe 1001S	7/16/2020	2	18.8	No Comment
Temporary Probe 1001S	7/21/2020	2	18.8	No Comment
Temporary Probe 1002D	7/7/2020	2	23.0	No Comment
Temporary Probe 1002D	7/9/2020	2	22.9	No Comment
Temporary Probe 1002D	7/14/2020	2	23.5	No Comment
Temporary Probe 1002D	7/16/2020	2	23.1	No Comment
Temporary Probe 1002D	7/21/2020	2	22.3	No Comment
Temporary Probe 1002M	7/7/2020	2	20.4	No Comment
Temporary Probe 1002M	7/9/2020	2	23.3	No Comment
Temporary Probe 1002M	7/14/2020	2	23.6	No Comment
Temporary Probe 1002M	7/16/2020	2	23.6	No Comment
Temporary Probe 1002M	7/21/2020	2	22.3	No Comment
Temporary Probe 1002S	7/7/2020	2	19.2	No Comment
Temporary Probe 1002S	7/9/2020	2	19.2	No Comment
Temporary Probe 1002S	7/14/2020	2	19.2	No Comment
Temporary Probe 1002S	7/16/2020	2	19.2	No Comment
Temporary Probe 1002S	7/21/2020	2	19.2	No Comment
Temporary Probe 1003D	7/7/2020	2	18.4	No Comment
Temporary Probe 1003D	7/9/2020	2	18.4	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
Temporary Probe 1003D	7/14/2020	2	18.5	No Comment
Temporary Probe 1003D	7/16/2020	2	18.5	No Comment
Temporary Probe 1003D	7/21/2020	2	18.6	No Comment
Temporary Probe 1003S	7/7/2020	2	13.0	No Comment
Temporary Probe 1003S	7/9/2020	2	13.0	No Comment
Temporary Probe 1003S	7/14/2020	2	13.0	No Comment
Temporary Probe 1003S	7/16/2020	2	13.1	No Comment
Temporary Probe 1003S	7/21/2020	2	13.0	No Comment
Temporary Probe 1005D	7/7/2020	2	23.6	No Comment
Temporary Probe 1005D	7/9/2020	2	23.4	No Comment
Temporary Probe 1005D	7/14/2020	2	23.8	No Comment
Temporary Probe 1005D	7/16/2020	2	23.7	No Comment
Temporary Probe 1005D	7/21/2020	2	24.2	No Comment
Temporary Probe 1005M	7/7/2020	2	24.3	No Comment
Temporary Probe 1005M	7/9/2020	2	23.9	No Comment
Temporary Probe 1005M	7/14/2020	2	25.3	No Comment
Temporary Probe 1005M	7/16/2020	2	24.3	No Comment
Temporary Probe 1005M	7/21/2020	2	23.3	No Comment
Temporary Probe 1005S	7/7/2020	2	23.3	No Comment
Temporary Probe 1005S	7/9/2020	2	23.2	No Comment
Temporary Probe 1005S	7/14/2020	2	23.3	No Comment
Temporary Probe 1005S	7/16/2020	2	23.2	No Comment
Temporary Probe 1005S	7/21/2020	2	23.3	No Comment
Temporary Probe 1006D	7/7/2020	2	19.4	No Comment
Temporary Probe 1006D	7/9/2020	2	18.4	No Comment
Temporary Probe 1006D	7/14/2020	2	23.3	No Comment
Temporary Probe 1006D	7/16/2020	2	19.9	No Comment
Temporary Probe 1006D	7/21/2020	2	20.0	No Comment
Temporary Probe 1006M	7/7/2020	2	20.3	No Comment
Temporary Probe 1006M	7/9/2020	2	20.1	No Comment
Temporary Probe 1006M	7/14/2020	2	20.4	No Comment
Temporary Probe 1006M	7/16/2020	2	20.6	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
Temporary Probe 1006M	7/21/2020	2	19.9	No Comment
Temporary Probe 1006S	7/7/2020	2	17.5	No Comment
Temporary Probe 1006S	7/9/2020	2	17.5	No Comment
Temporary Probe 1006S	7/14/2020	2	17.5	No Comment
Temporary Probe 1006S	7/16/2020	2	17.5	No Comment
Temporary Probe 1006S	7/21/2020	2	17.6	No Comment
Temporary Probe 1007D	7/7/2020	2	23.8	No Comment
Temporary Probe 1007D	7/9/2020	2	23.7	No Comment
Temporary Probe 1007D	7/14/2020	2	23.9	No Comment
Temporary Probe 1007D	7/16/2020	2	23.9	No Comment
Temporary Probe 1007D	7/21/2020	2	23.5	No Comment
Temporary Probe 1007M	7/7/2020	2	20.9	No Comment
Temporary Probe 1007M	7/9/2020	2	20.6	No Comment
Temporary Probe 1007M	7/14/2020	2	20.7	No Comment
Temporary Probe 1007M	7/16/2020	2	21.1	No Comment
Temporary Probe 1007M	7/21/2020	2	20.4	No Comment
Temporary Probe 1007S	7/7/2020	2	16.7	No Comment
Temporary Probe 1007S	7/9/2020	2	16.7	No Comment
Temporary Probe 1007S	7/14/2020	2	16.7	No Comment
Temporary Probe 1007S	7/16/2020	2	16.7	No Comment
Temporary Probe 1007S	7/21/2020	2	16.7	No Comment
Temporary Probe 1008D	7/7/2020	2	21.3	No Comment
Temporary Probe 1008D	7/9/2020	2	21.2	No Comment
Temporary Probe 1008D	7/14/2020	2	21.5	No Comment
Temporary Probe 1008D	7/16/2020	2	21.5	No Comment
Temporary Probe 1008D	7/21/2020	2	21.3	No Comment
Temporary Probe 1008S	7/7/2020	2	20.5	No Comment
Temporary Probe 1008S	7/9/2020	2	19.8	No Comment
Temporary Probe 1008S	7/14/2020	2	18.0	No Comment
Temporary Probe 1008S	7/16/2020	2	20.0	No Comment
Temporary Probe 1008S	7/21/2020	2	19.9	No Comment
Temporary Probe 1009D	7/7/2020	2	20.9	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
Temporary Probe 1009D	7/9/2020	2	20.8	No Comment
Temporary Probe 1009D	7/14/2020	2	21.4	No Comment
Temporary Probe 1009D	7/16/2020	2	21.8	No Comment
Temporary Probe 1009D	7/21/2020	2	21.1	No Comment
Temporary Probe 1009S	7/7/2020	2	16.5	No Comment
Temporary Probe 1009S	7/9/2020	2	16.5	No Comment
Temporary Probe 1009S	7/14/2020	2	16.5	No Comment
Temporary Probe 1009S	7/16/2020	2	16.6	No Comment
Temporary Probe 1009S	7/21/2020	2	16.6	No Comment
Temporary Probe 1010D	7/7/2020	2	20.1	No Comment
Temporary Probe 1010D	7/9/2020	2	19.6	No Comment
Temporary Probe 1010D	7/14/2020	2	20.4	No Comment
Temporary Probe 1010D	7/16/2020	2	20.4	No Comment
Temporary Probe 1010D	7/21/2020	2	19.6	No Comment
Temporary Probe 1010M	7/7/2020	2	21.0	No Comment
Temporary Probe 1010M	7/9/2020	2	23.2	No Comment
Temporary Probe 1010M	7/14/2020	2	21.0	No Comment
Temporary Probe 1010M	7/16/2020	2	21.5	No Comment
Temporary Probe 1010M	7/21/2020	2	20.0	No Comment
Temporary Probe 1010S	7/7/2020	2	16.2	No Comment
Temporary Probe 1010S	7/9/2020	2	16.0	No Comment
Temporary Probe 1010S	7/14/2020	2	16.0	No Comment
Temporary Probe 1010S	7/16/2020	2	16.1	No Comment
Temporary Probe 1010S	7/21/2020	2	15.8	No Comment
Temporary Probe 1011D	7/7/2020	2	23.8	No Comment
Temporary Probe 1011D	7/9/2020	2	23.8	No Comment
Temporary Probe 1011D	7/14/2020	2	24.1	No Comment
Temporary Probe 1011D	7/16/2020	2	24.3	No Comment
Temporary Probe 1011D	7/21/2020	2	23.9	No Comment
Temporary Probe 1011M	7/7/2020	2	22.7	No Comment
Temporary Probe 1011M	7/9/2020	2	21.3	No Comment
Temporary Probe 1011M	7/14/2020	2	21.7	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
Temporary Probe 1011M	7/16/2020	2	21.9	No Comment
Temporary Probe 1011M	7/21/2020	2	21.2	No Comment
Temporary Probe 1011S	7/7/2020	2	22.6	No Comment
Temporary Probe 1011S	7/9/2020	2	22.6	No Comment
Temporary Probe 1011S	7/14/2020	2	22.6	No Comment
Temporary Probe 1011S	7/16/2020	2	22.6	No Comment
Temporary Probe 1011S	7/21/2020	2	22.6	No Comment
Temporary Probe 1012D	7/7/2020	2	19.5	No Comment
Temporary Probe 1012D	7/9/2020	2	19.3	No Comment
Temporary Probe 1012D	7/14/2020	2	19.6	No Comment
Temporary Probe 1012D	7/16/2020	2	19.8	No Comment
Temporary Probe 1012D	7/22/2020	2	19.2	No Comment
Temporary Probe 1012S	7/7/2020	2	14.7	No Comment
Temporary Probe 1012S	7/9/2020	2	14.7	No Comment
Temporary Probe 1012S	7/14/2020	2	14.7	No Comment
Temporary Probe 1012S	7/16/2020	2	14.7	No Comment
Temporary Probe 1012S	7/22/2020	2	14.6	No Comment
Temporary Probe 1013B	7/7/2020	2	25.4	No Comment
Temporary Probe 1013B	7/9/2020	2	25.5	No Comment
Temporary Probe 1013B	7/14/2020	2	24.8	No Comment
Temporary Probe 1013B	7/16/2020	2	25.1	No Comment
Temporary Probe 1013B	7/22/2020	2	25.7	No Comment
Temporary Probe 1013D	7/7/2020	2	20.2	No Comment
Temporary Probe 1013D	7/9/2020	2	20.1	No Comment
Temporary Probe 1013D	7/14/2020	2	20.5	No Comment
Temporary Probe 1013D	7/16/2020	2	20.5	No Comment
Temporary Probe 1013D	7/22/2020	2	20.2	No Comment
Temporary Probe 1013M	7/7/2020	2	19.6	No Comment
Temporary Probe 1013M	7/9/2020	2	19.1	No Comment
Temporary Probe 1013M	7/14/2020	2	20.3	No Comment
Temporary Probe 1013M	7/16/2020	2	19.0	No Comment
Temporary Probe 1013M	7/22/2020	2	20.0	No Comment

Point Name	Date	Quadrant	Depth to Water (ft)	Comments
Temporary Probe 1013S	7/7/2020	2	16.3	No Comment
Temporary Probe 1013S	7/9/2020	2	16.2	No Comment
Temporary Probe 1013S	7/14/2020	2	16.5	No Comment
Temporary Probe 1013S	7/16/2020	2	16.3	No Comment
Temporary Probe 1013S	7/22/2020	2	16.3	No Comment
Temporary Probe 1014D	7/7/2020	2	17.8	No Comment
Temporary Probe 1014D	7/9/2020	2	17.9	No Comment
Temporary Probe 1014D	7/14/2020	2	18.3	No Comment
Temporary Probe 1014D	7/16/2020	2	18.3	No Comment
Temporary Probe 1014D	7/22/2020	2	17.9	No Comment
Temporary Probe 1014S	7/7/2020	2	17.8	No Comment
Temporary Probe 1014S	7/9/2020	2	17.9	No Comment
Temporary Probe 1014S	7/14/2020	2	17.9	No Comment
Temporary Probe 1014S	7/16/2020	2	17.9	No Comment
Temporary Probe 1014S	7/22/2020	2	17.6	No Comment

APPENDIX A

LANDFILL GAS CORRECTIVE ACTION PLAN UPDATE, JULY 26, 2013

**BRIDGETON LANDFILL
LANDFILL GAS CORRECTIVE ACTION PLAN UPDATE**

**Submitted Pursuant to Section 23 of Agreed Order
Case No. 13SL-CC01088, Effective May 13, 2013**

**Bridgeton Landfill, LLC
13570 St. Charles Rock Rd.
Bridgeton, MO 63044**

Technical Contributors:

Civil & Environmental Consultants, Inc.
4848 Park 370, Suite F
Hazelwood, MO 63042

Weaver Boos Consultants
1000 N. College Ave., Suite D
Columbia, MO 65201

July 26, 2013

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- Appendix A – Gas Monitoring Probe Methane Level Graphs
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1.0 INTRODUCTION

On May 13, 2013, Bridgeton Landfill entered into an Agreed Order with the State of Missouri which requires actions to address what was called a subsurface smoldering event (SSE). Section 23 of the Agreed Order requires the preparation of an updated "Landfill Gas Corrective Action Plan" (CAP) and requests that the update consider SSE control measures.

Missouri Solid Waste Management Regulations require that subsurface landfill gas be controlled so that it does not exceed 2.5% (which is equal to 50% of the lower explosive limit, or LEL) in the ground at the facility property boundary. If this level is exceeded at the property boundary, the facility must implement enhanced monitoring and corrective measures. Corrective Action Plans are frequently used to present and communicate these measures.

Bridgeton Landfill has been monitoring for gas migration using permanent gas monitoring probes since 1998. Since that time, landfill gas Corrective Action Plans have been implemented, additional monitoring locations have been added, and many control features have been installed. These efforts have been previously documented and are incorporated by reference as background for this current work.

Lateral landfill gas migration is common at unlined municipal solid waste (MSW) landfills, and especially in quarry fill environments. Bridgeton Landfill has some areas where the property line is close to solid waste limits (near the edge of the quarry wall) and monitoring has detected methane near the property line in certain locations. In addition, the SSE that Bridgeton Landfill has been experiencing since 2010, and that intensified in 2012, has further challenged methane control in those areas.

The purpose of this document, as required by the Agreed Order, is to provide an update to the November 27, 2012 CAP that considers the SSE control measures. As such, this document includes monitoring data up to July 2013, reviews the status of gas migration control, presents recent (since the approved November 27, 2012 CAP) efforts to reduce methane migration, and discusses forward-going monitoring and reporting procedures. It is intended that this CAP supplements and/or supersedes the previous CAPs and agreements.

2.0 REVIEW OF CURRENT GAS MIGRATION CONTROL STATUS

The intensification of the SSE has created conditions that have made control of gas migration more challenging, including:

- Increased pressure within the landfill waste with pressure-gradient which forces gas outward;
- Increased liquid generation resulting in steam and saturated gas which effects collection efficiency, and
- Carefully controlled and reduced application of gas extraction well vacuum with efforts to minimize oxygen content in the gas well.

Detailed graphs showing methane concentrations for the past three years are included in Appendix A. Appendix B includes a list of the gas monitoring probes monitored at the Bridgeton Landfill along with the boring logs and/or construction logs for each probe. Please note, the gas monitoring probes has been referenced with different abbreviations and the table in Appendix B is included to provide clarity.

As can be seen on the graphs, there are several compliance point and sentry monitoring probe locations that have been historically elevated (GMP-01, GMP-04, GMP-05 GMP-06 and GMP-07), as well as elevated levels in new gas monitoring probes where monitoring began in October 2012 after the SSE intensified (GMP-5S, GMP-14S, GMP-14D). Temporary monitoring probes installed to determine the rate and extent of the methane migration in the vicinity of impacted probe GMP-01 (TMP-1S, TMP-2S, TMP-2M, TMP-2D, TMP-3S, TMP-3M, and TMP-3D) have also exhibited elevated levels of methane since installation.

Due to the additional gas monitoring probes, which initiated monitoring in October 2012 to better define the zone of migration on the eastern boundary of the landfill, GMP-04 through GMP-07 located closer to the landfill are typically monitored on a quarterly basis but are sentry probes and are no longer utilized as the compliance probes in accordance with Missouri Solid Waste Law and Rules. Tables 1 through 4 present the probe results for the monitoring period November 21, 2012 through July 5, 2013.

Along the southern boundary of the landfill, adjacent to Boenker Road, GMP-01 has continued to show elevated levels above the regulatory threshold. Corrective measures have not been effective to address the migration in this vicinity. Corrective actions taken to date have focused on methane migration within the soil overburden due to investigative action demonstrating shallow migration. However, after the installation of the interceptor trench, which was constructed to the soil/bedrock interface between the waste disposal area and impacted GMP-01, elevated levels continued to be exhibited in GMP-01. Due to the ineffectiveness of the perimeter gas wells (2005) and interceptor trench (2010) installed in the vicinity of GMP-01 to eliminate or reduce methane impacts, further investigation was deemed necessary under the conditions of the Settlement Agreement.

In order to effectively determine the zone of migration in the vicinity of GMP-01, temporary probes (TMP-1, TMP-2 and TMP-3) were installed as investigation probes to better define the zone of migration. In order to do this, each temporary probe were installed as nested probes with three monitored zones – shallow (S), middle (M) and deep (D). The shallow zone was screened within the soil overburden; the middle zone was screened through the uppermost weathered/fractured bedrock and the deep zone within the saturated bedrock. As presented in Appendix A, TMP-1 located west of GMP-01 is impacted with elevated methane levels within the soil overburden and weathered bedrock. TMP-2, located east of GMP-01, and TMP-3, located north of GMP-01, has observed elevated methane in each of the monitored zones. It is likely the observed elevated methane within the deep monitored zone observed in TMP-2 and TMP-3 are a result of diffusion transport due to these probes located less than 75 feet from the waste mass as well as the pressure-gradient force caused by the SSE as noted with increased relative pressure during monitoring of the probes.

As noted in the TMP boring logs, weathered bedrock was observed at lower elevations than the base of the interceptor trench. TMP-1, located west of GMP-1, the weathered bedrock was observed between 36 feet below ground surface (bgs) to 66.5 feet bgs. TMP-2, located east of GMP-1, the weathered bedrock was observed between 18 feet bgs to 47 feet bgs. TMP-3, located between the landfill and GMP-1, the weathered bedrock was observed between 31 feet bgs to 50 feet bgs. TMP-2, located between the landfill and GMP-1, the weathered bedrock was observed between 31 feet bgs to 50 feet bgs. Due to weathered bedrock observed at lower elevations than the base of the interceptor trench, it is likely methane continues to migrate through these weathered zones. Table 3 presents the temporary gas monitoring probe data.

The intensification of the SSE in 2012, resulting in increased pressure within the landfill, brought challenges associated within dewatering the interceptor trench located south of the waste boundary and maintaining sufficient vacuum on select gas extraction wells located within the south quarry. As a result, elevated levels of methane continue to be observed since October 2012.

Currently the public safety probes located across Boenker Road, on private property (GMP-09, GMP-10, GMP-11, and GMP-12) have no detectable levels of methane and have not observed elevated methane in two years (GMP-11). There is no evidence of methane migration onto adjacent properties at this time. Table 4 presents the gas monitoring probe data for the public safety probes.

Along the east property boundary, adjacent to the south quarry, elevated methane has been observed at two gas monitoring probe locations utilized for compliance: GMP-5S, GMP-14S, GMP-14D. The gas monitoring probes installed between August and September 2012 were installed as nested probes with two monitoring zones - shallow (S) and deep (D). The shallow zone was screened within the soil overburden; the deep zone was screened through the uppermost weathered bedrock to approximately 10 feet below the historic low water table.

The intent of these nested probes is to determine if methane migration is occurring at the property boundary as well as to ascertain the zone in which it is occurring. Similar to GMP-01, weathered bedrock was observed below the soil overburden at GMP-14 where GMP-14D is screened. The weathered bedrock is likely providing a zone of migration within the deeper zone, GMP-14D.

As described in Section 3.0, Bridgeton Landfill has performed recent improvements that should ultimately reduce landfill gas migration.

3.0 RECENT GAS MIGRATION CONTROL EFFORTS

Many recent additional measures have been recently undertaken that should ultimately reduce gas migration, including:

1. The SSE has impacted the facility's infrastructure designed to remove liquid efficiently from the waste mass which results in increased liquid in the force main and the gas conveyance system resulting in a reduction of their efficiency to remove landfill gas. Adding new gas extraction wells, replacing compromised gas extraction wells, and adding liquid pumps and extraction points will improve landfill gas collection and improve overall efficiency of the system. The following features have been installed per the November 27, 2012 CAP and in addition to the measures proposed in the CAP:
 - In November 2012 the Bridgeton Landfill installed 5 new trench wells, 5 new liquid sumps, and 7 new gas extraction wells.
 - During the January 1, 2013 through June 30, 2013 period the following additional extraction points were installed at the Bridgeton Landfill:
 - In February 2013 the Bridgeton Landfill installed 9 new gas extraction wells,
 - In March 2013 the Bridgeton Landfill installed 3 new gas extraction wells,
 - In April 2013 the Bridgeton Landfill installed 11 new gas extraction wells,
 - In May 2013 the Bridgeton Landfill installed 13 new gas extraction wells,
2. Addition of a 2,500 scfm utility flare in the southeastern portion of the disposal area in June 2013. This flare has improved vacuum distribution around the well field, especially in the southern and southeastern end where migration has been problematic.
3. Installation of 25 perimeter liquid sumps connected by perforated liquid/gas collection piping in May and June 2013. These were installed as part of the South Quarry capping project, and will allow collection of additional gas at the perimeter of the landfill, and
4. Placement of 32 acres of geomembrane cap and enhanced gas collection features which should be completed in August 2013. The cap will allow additional vacuum to be pulled from the cover integrity system consisting of a composite liner system which will reduce concern for oxygen intrusion. This should result in better long term gas capture and, in time, reduced gas pressure.

An updated as-built map that shows all of these features that were in place as of June 30, 2013 is included in Appendix C.

Due to the increased liquid generation and increased pressure within the landfill the improvements completed within the past nine months have not yet resulted in a reduction of methane observed within the gas monitoring probes. It is premature to evaluate the

effectiveness of the recent gas migration control efforts outlined in this section due to impacts associated with increased liquid generation and the continued dynamic movement and changes of the SSE in the South Quarry area.

4.0 PROPOSED AND ONGOING GAS MIGRATION CONTROL EFFORTS

The recent additional measures outlined in Section 3.0 are on-going efforts to improve landfill gas control at the Bridgeton Landfill. These upgrades should reduce pressure within the waste mass that may be contributing to the exceedances and in turn alleviate methane migration along the southern and eastern property boundaries. Improvements to the landfill are on-going and will continue until the SSE is controlled. Below are additional improvements that are being proposed or currently implemented:

1. The SSE has resulted in an increase in condensate generation. In order to improve liquid removal at the site a third party consultant has been contracted to evaluate the effectiveness of the existing force main. Due to the increased liquid movement within the force main pressure has built up within the system resulting in back pressure and reduced pump functionality. Pressure relief valves have been installed on numerous pneumatic pumps to address this issue. However, due to the increased liquid generation additional capacity within the force main is needed. As such, the preliminary design proposes utilizing the existing force main for management of liquid removed from the LCSs and a second separate force main for liquids removed from the remaining extraction points. The additional liquid force main will allow optimum operations of the pumps while providing increased available vacuum on the landfill gas collection system. This corrective action measure will be submitted to the MDNR in third quarter 2013 sealed by a Missouri Professional Engineer.
2. In order to improve liquid management once the liquids are removed from the disposal area the Bridgeton Landfill has contracted with a third party consulting firm for additional storage and pretreatment of the extracted liquid. During the second quarter 2013 the landfill installed a 316,000 gallon above ground liquid storage and treatment tank. The preliminary treatment plant design includes incorporation of the existing 96,000 gallon tank located near Boenker Road, the newly installed 316,000 gallon tank, four-1,000,000 gallon tanks and a pretreatment facility. This will provide the landfill additional capacity to remove the liquid from the disposal area at a design capacity of 300,000 gallons per day. The treatment plant design will be submitted to the MDNR in third quarter 2013 sealed by a Missouri Professional Engineer.
3. The Bridgeton Landfill has submitted a Permit to Construct application to the St. Louis County Department of Health for the installation of two 4,000 scfm utility flares. These utility flares would replace the existing enclosed flares with a design flow of 3,500 scfm each. The replacement of the enclosed flares with the two 4,000 scfm utility flares coupled with the existing 3,500 scfm John Zink utility flare and the 2,500 scfm LFG Specialties utility flare will provide a combined design flow of the four utility flares of 14,000 scfm. Authorization to Construct is anticipated to be issued by the end of July 2013. The installation of the 4,000 scfm utility flares is anticipated to be completed shortly after permit issuance with operations of each unit by the end of third quarter

2013. Utility flares are better suited to handle the lower heating value gas at the Bridgeton Landfill resulting in less downtime of the control devices.

4. A natural gas line has been installed in the vicinity of the flare compound. It will be connected to the gas collection system if the lower heating value or hydrogen concentration drop below levels to effectively operate the landfill gas control devices.
5. The Bridgeton Landfill will be upgrading the landfill gas coolers at the east utility flare (2,500 scfm LFG Specialties) and at the flare compound in the near future. This improvement will result in additional vacuum available to the well field.

The improvements associated with the liquid conveyance system and the landfill gas control devices are essential to address methane migration at the facility. These efforts should result in a decrease in pressure within the landfill and improved landfill gas collection efficiencies within the south quarry. The liquid force main modification and the liquid treatment system will be submitted to the MDNR for review and approval. The landfill appreciates the continued support to address the SSE in a timely manner and appreciates an expedited review of these submittals.

Monitoring results of the nested gas and temporary monitoring probes have shown that methane is migrating through the weathered bedrock and additional controls are likely needed to address these exceedances. However, due to increased liquid generation associated with the SSE, the effectiveness of the recent improvements could not be determined. It is requested to further evaluate the zone of migration of the impacted gas monitoring and temporary monitoring probes with weekly water level readings and monitoring of the impacted probes to better delineate if methane is migrating through deeper zones. It is requested that this evaluation period be extended through the third quarter 2013. At that time a comprehensive corrective action plan will be submitted evaluating the impact of the recently-completed capping, other recent measures, and the proposed measures described above. During this period the landfill will continue to complete improvements to the liquid conveyance system in efforts to minimize liquids within the gas collection system.

5.0 CONTINUED MONITORING AND REPORTING

The Bridgeton Landfill will initiate weekly monitoring of all monitoring probes including the gas monitoring probes, sentry probes and temporary monitoring probes. The Bridgeton Landfill proposes that landfill gas corrective summary reports to be incorporated into the quarterly report and submitted by the 15th of each month following a calendar quarter. These reports will summarize all corrective action completed to address methane migration within the prior quarter and, if elevated levels persist, provide a corrective action plan to address the methane exceedances.

Bridgeton Landfill understands that the submittal of quarterly landfill gas corrective action summary reports and corrective action plans is at a higher frequency than outlined in Paragraph 4 of the January 17, 2011 Settlement Agreement between the MDNR and the Bridgeton Landfill but believes that incorporation in the quarterly report is valuable.

This section of the report will include at a minimum a review previous data, evaluate effectiveness of efforts made to control migration, and propose additional measures directed at eliminating detection levels in gas monitoring probes. As a regular procedure, these reports will be submitted by the 15th of each month following a calendar quarter.

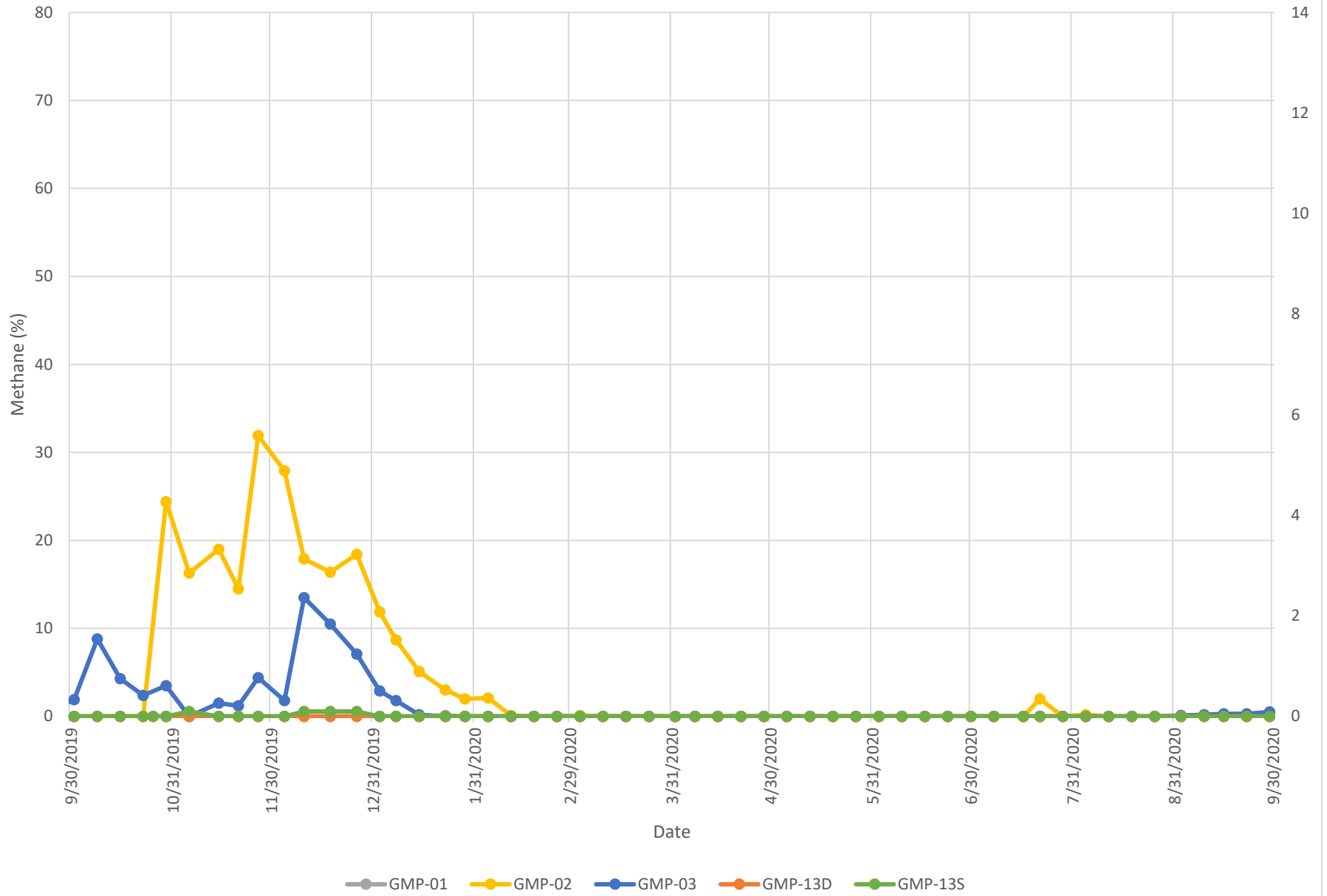
Bridgeton Landfill will continue to take aggressive action to control the impacts of the SSE, evaluate corrective measures to address methane migration within the weathered bedrock and improve gas collection within the limits of waste. Any major new gas migration control features needed--particularly those located outside the limit of waste--would be designed and sealed by a Missouri professional engineer and submitted to the MDNR for comment and approval.

The MDNR will continue to provide ongoing review, comment, and approval of actions as it deems necessary. This reporting process will continue until Bridgeton Landfill demonstrates uninterrupted compliance with the MDNR's methane regulations (all compliance gas monitoring probes less than 2.5% methane) for a period of one year.

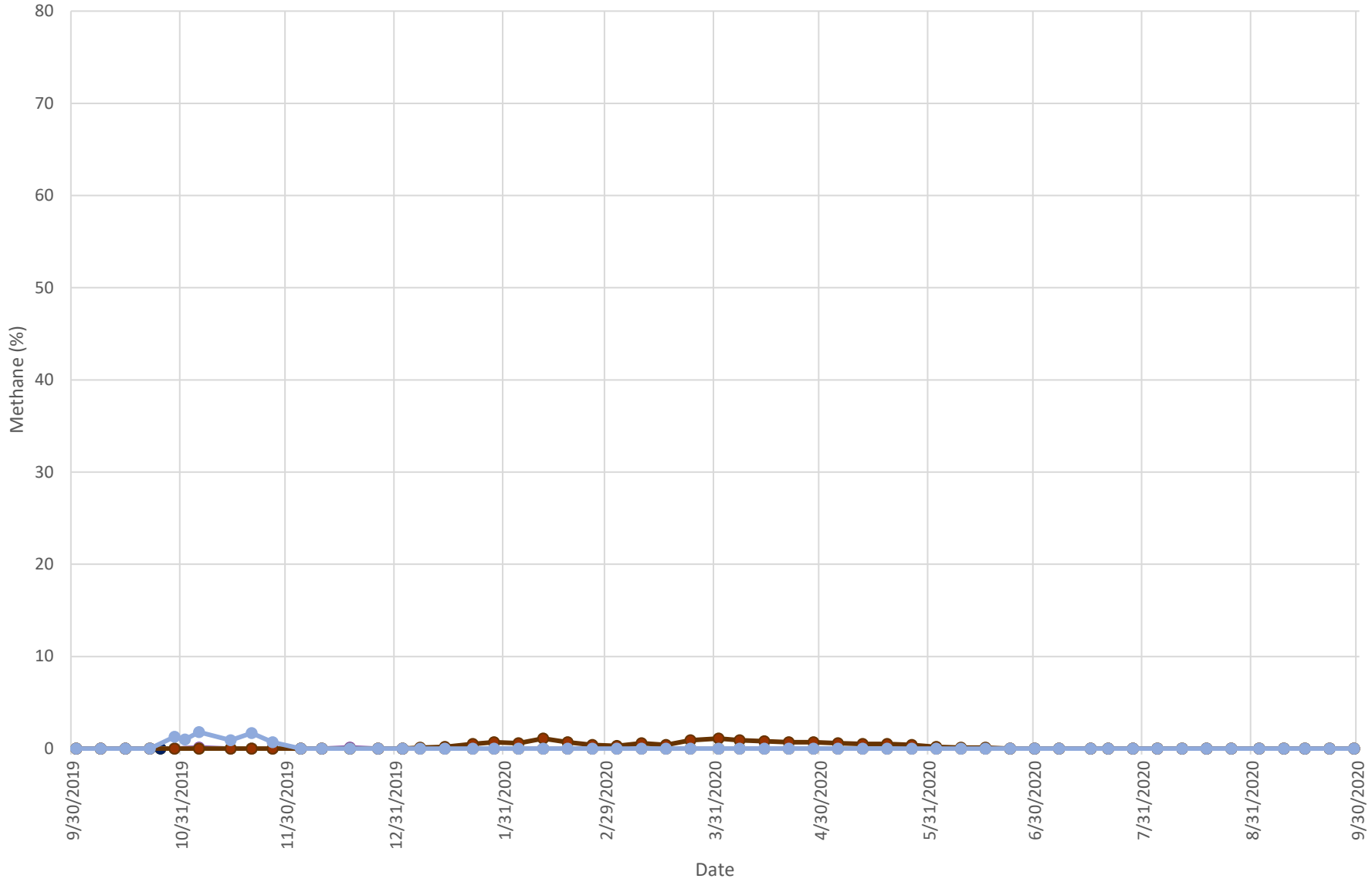
APPENDIX B

GAS MONITORING PROBE METHANE LEVEL GRAPHS

Southern and Western Compliance Probes

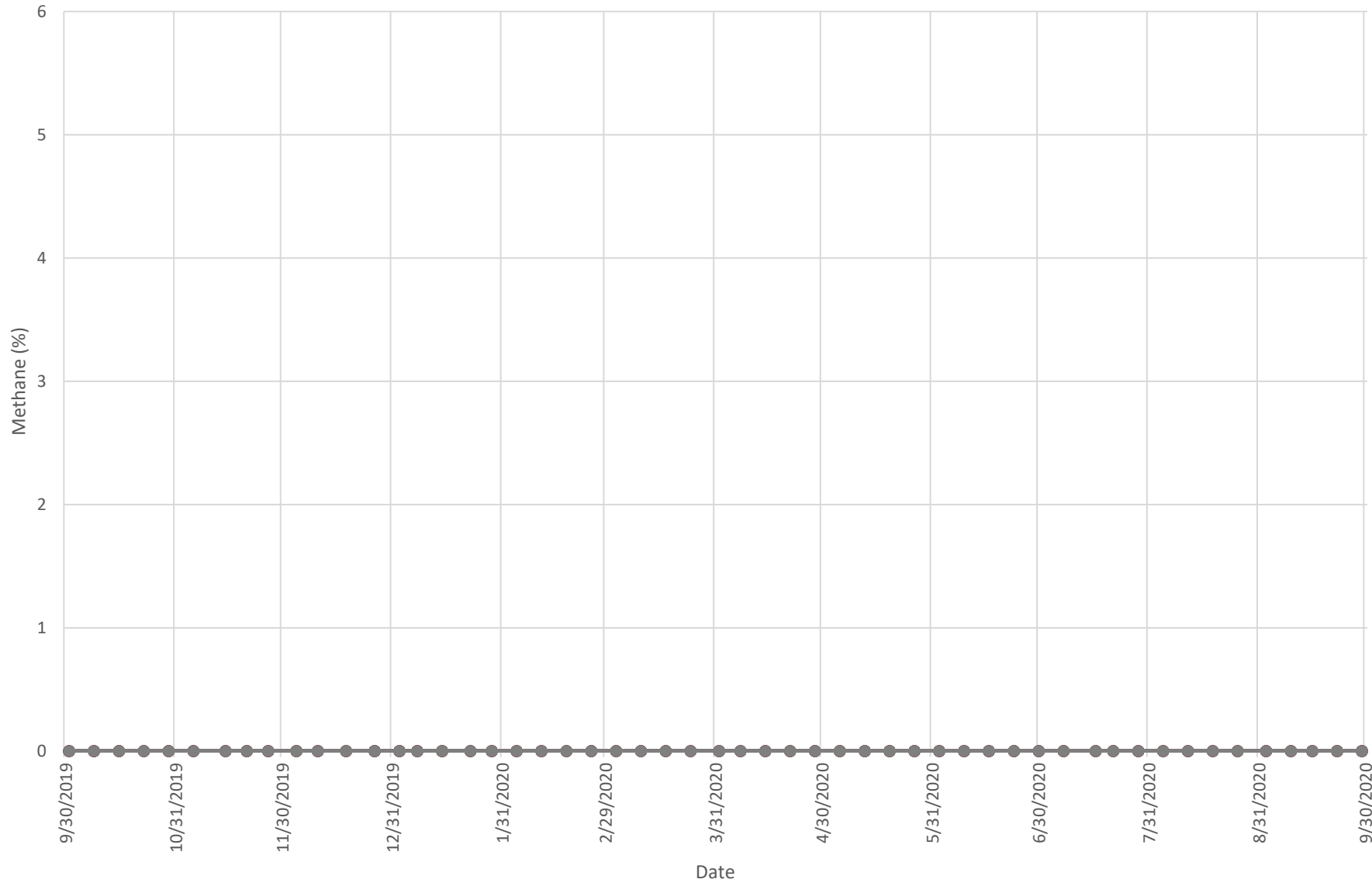


Eastern Compliance Probes



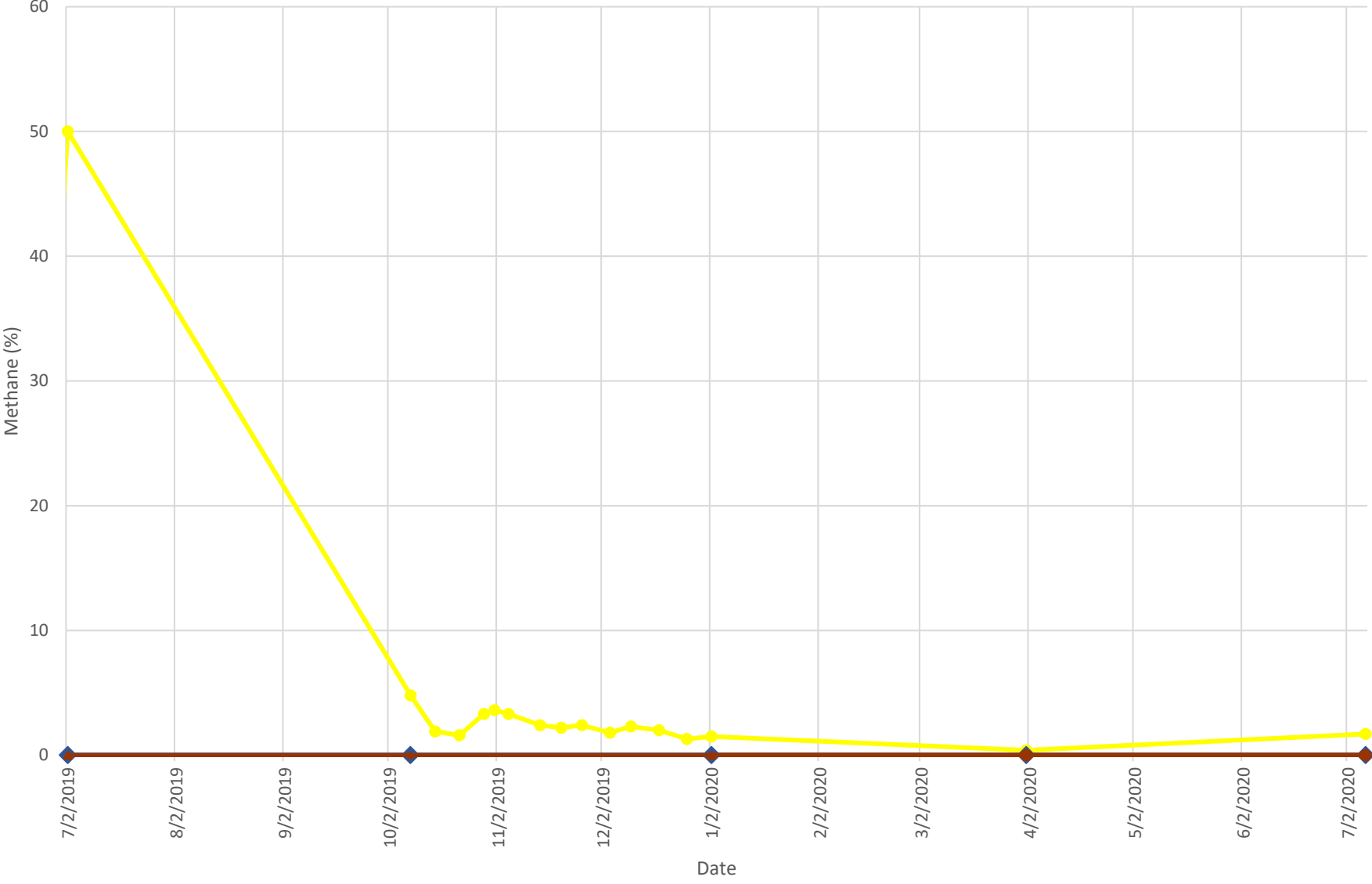
Legend: GMP-4D (yellow), GMP-4S (dark blue), GMP-5D (green), GMP-5S (purple), GMP-6D (orange), GMP-6S (grey), GMP-14D (brown), GMP-14S (light blue)

North Compliance Probes



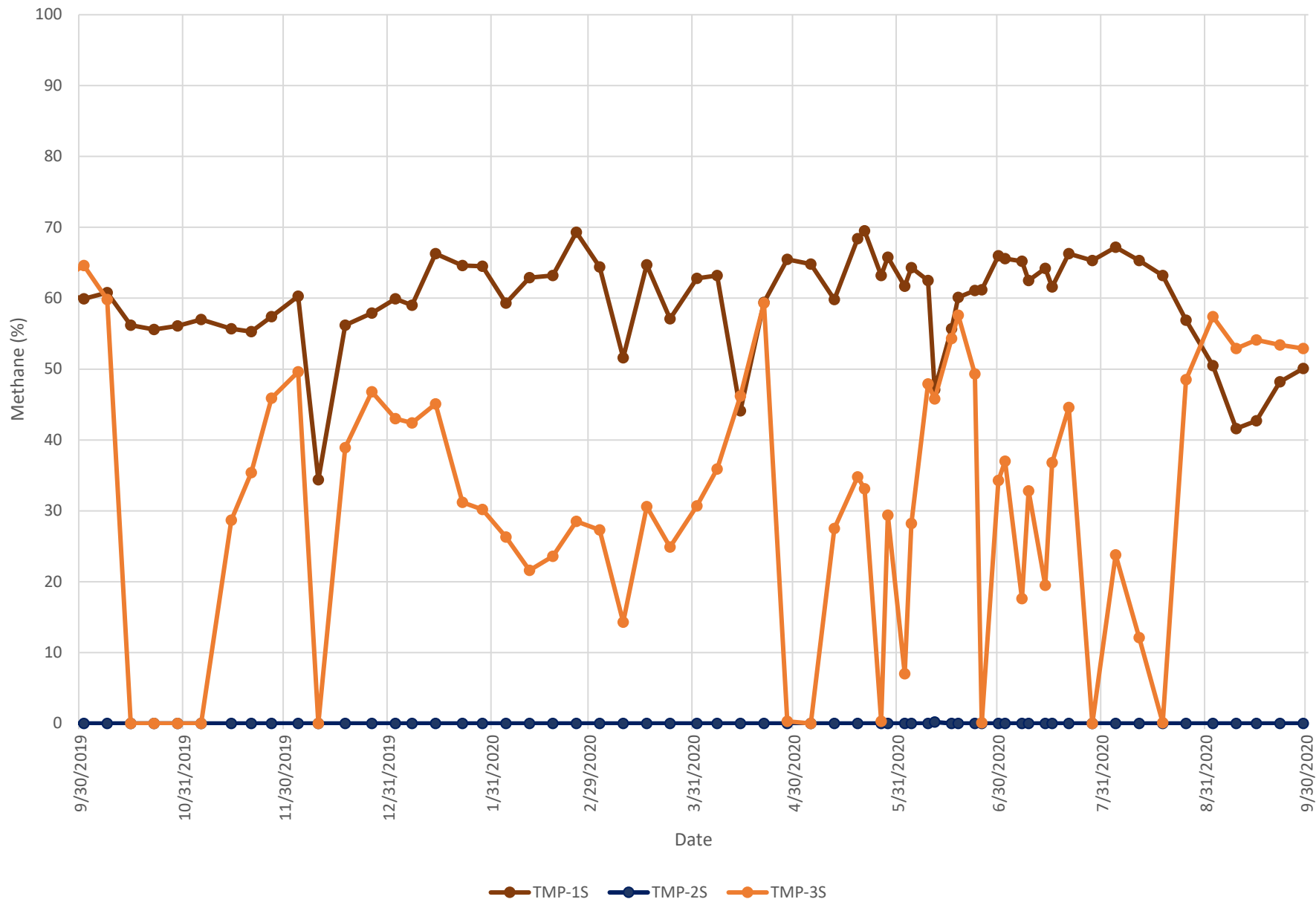
GMP-7D GMP-7S GMP-08 GMP-15D GMP-15S GMP-16D GMP-16S

Sentry Probes

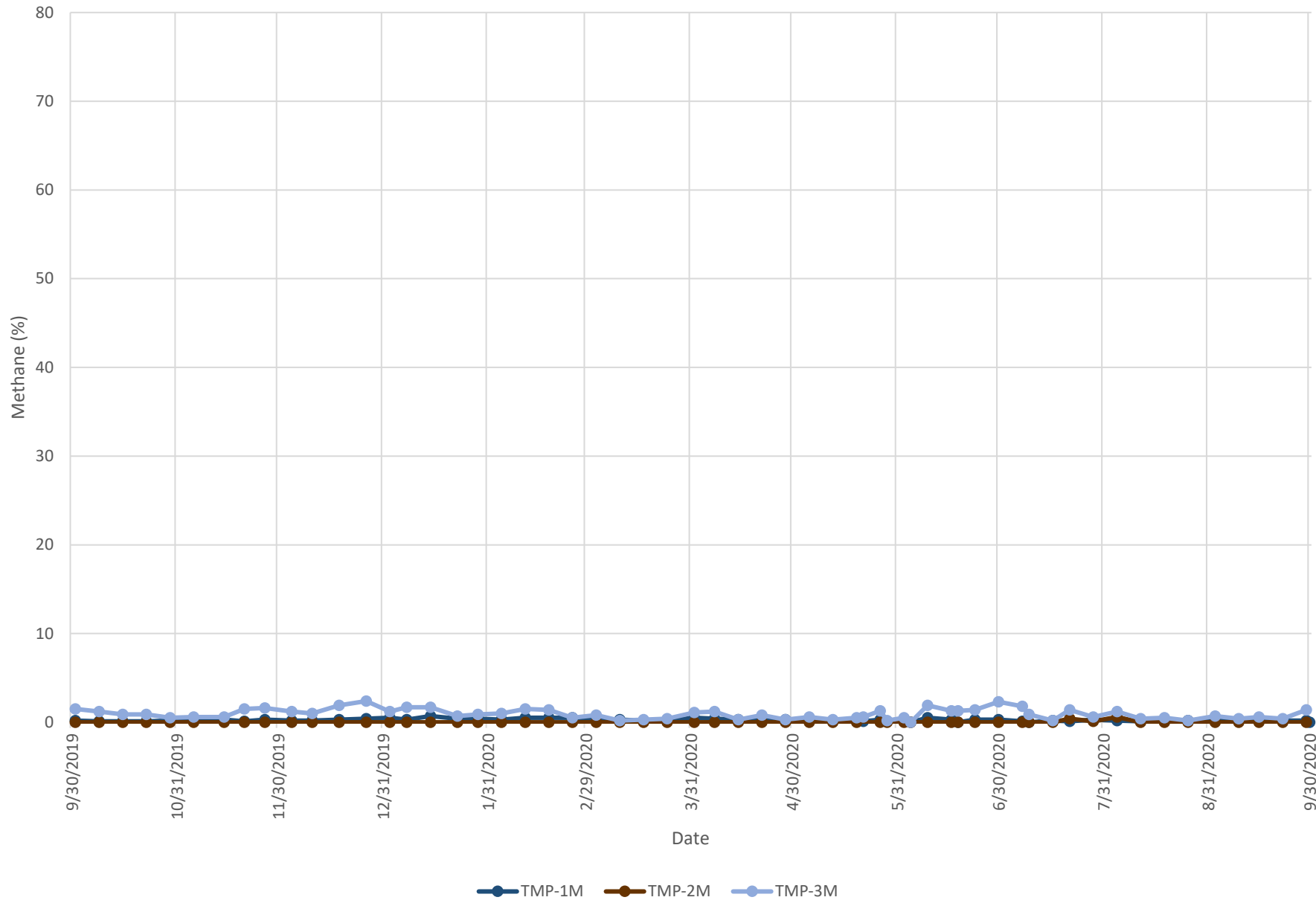


GMP-05 GMP-06 GMP-07

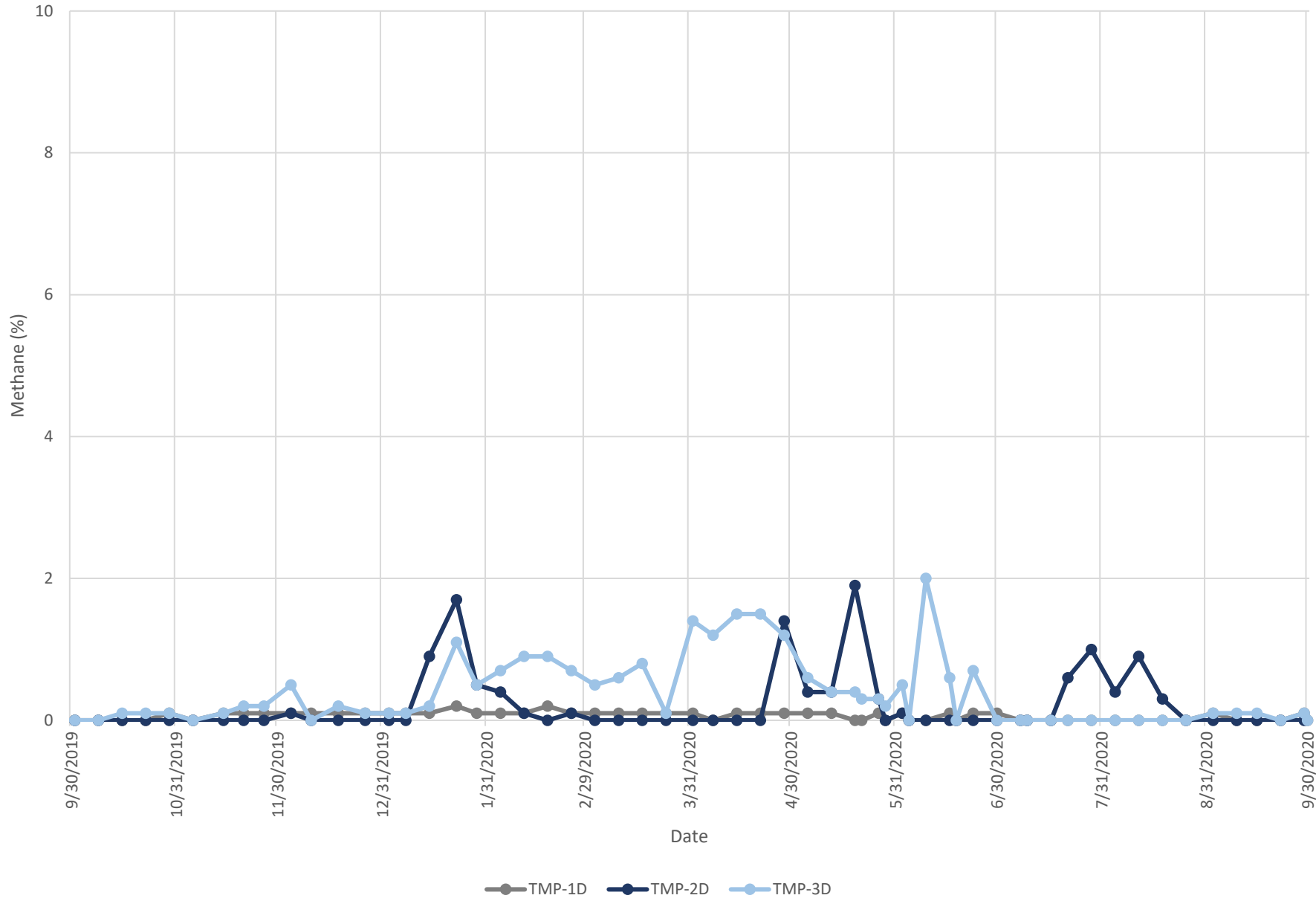
Shallow Investigative Probes



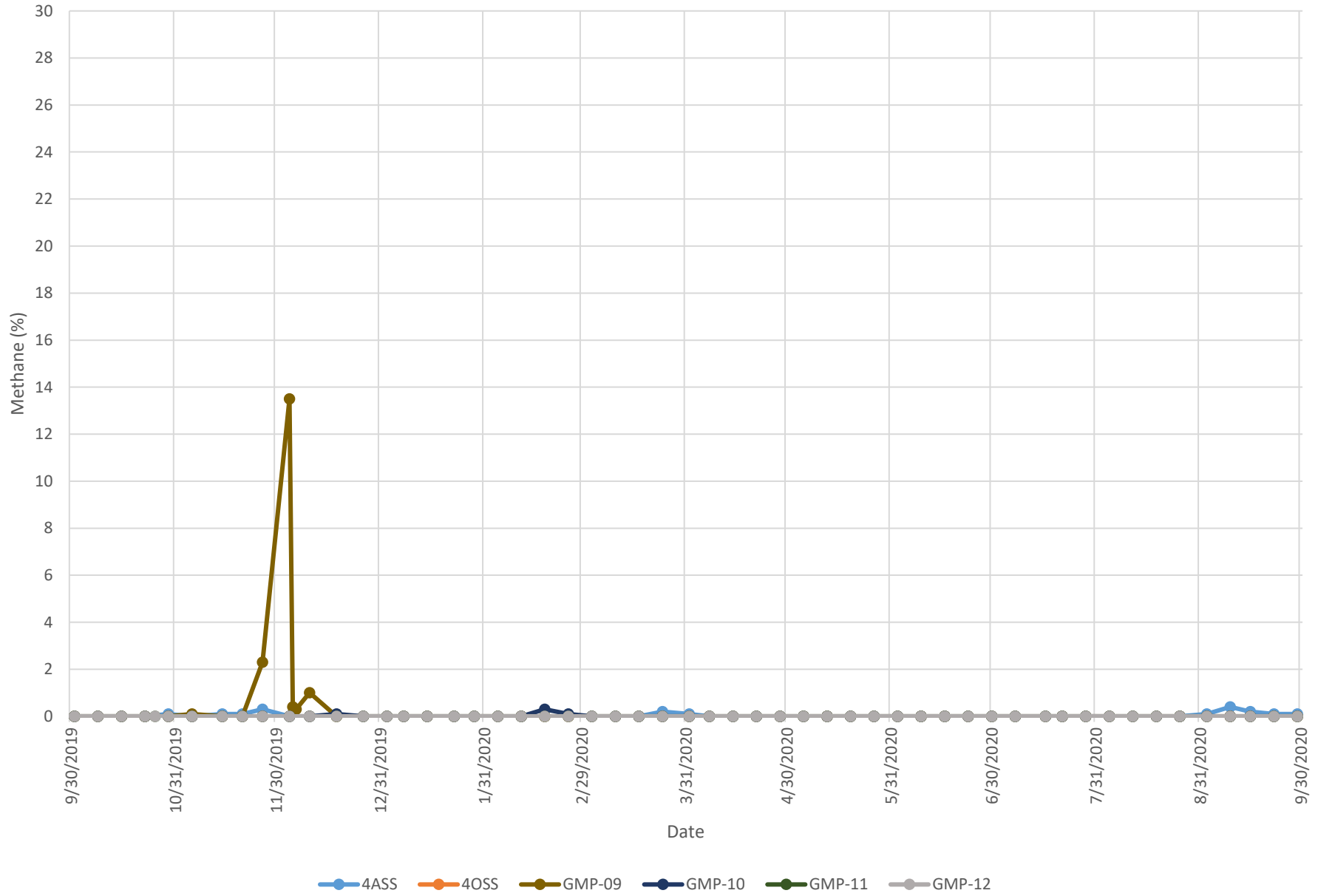
Mid Investigative Probes



Deep Investigative Probes

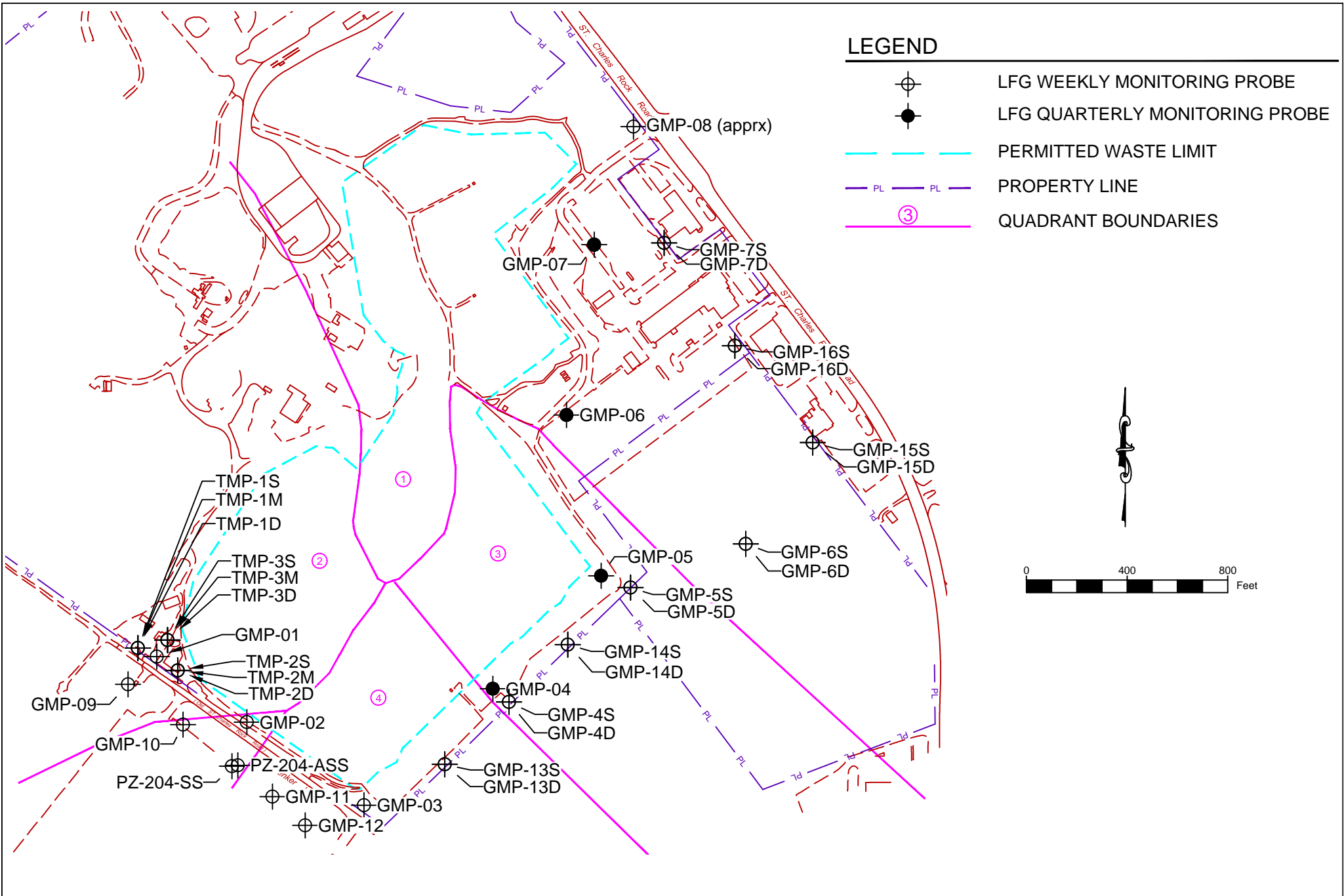


Public Safety Probes



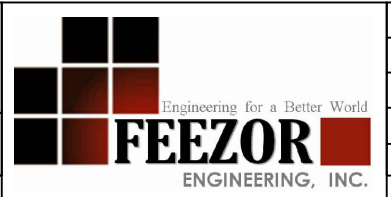
APPENDIX C

INFRASTRUCTURE SITE PLAN, GAS MONITORING PROBE LOCATIONS



BRIDGETON LANDFILL LLC
 13570 ST. CHARLES ROCK ROAD
 BRIDGETON, MISSOURI 63044

BRIDGETON LANDFILL
 SITE INFRASTRUCTURE



JULY 2020	
DESIGNED BY: PML	
APPROVED BY: ---	
REVISION	DATE

DRAWING NO.:
001

GAS MONITORING PROBES

PROJECT NUMBER: BT-133 | FILE PATH: C:\Users\plins\Dropbox (Feezor Engineering)\Bridgeton\100-149\BT-133 LFG\BT-133 2020to file\gas monitoring system 2nd quarter 2014 - rev.7-8-2020.dwg

APPENDIX D

2019 GCCS IMPROVEMENTS

AS-BUILT RECORD DRAWINGS FOR THE

BRIDGETON LANDFILL

2019 GCCS INSTALLATION

SEPTEMBER 2019
PREPARED FOR:

Bridgeton Landfill, LLC

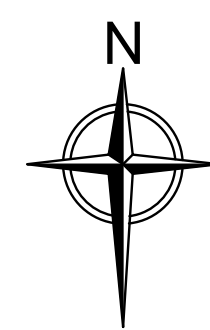
13570 ST. CHARLES ROCK ROAD
BRIDGETON, MISSOURI 63044



3377 HOLLENBERG DRIVE
BRIDGETON, MO 63044
TEL. (217) 483-3118

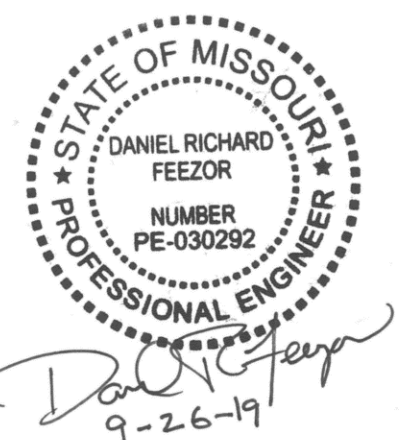


LOCATION MAP



INDEX OF DRAWINGS

	TITLE PAGE
001	GCCS PLAN VIEW
002	DETAILS





LEGEND

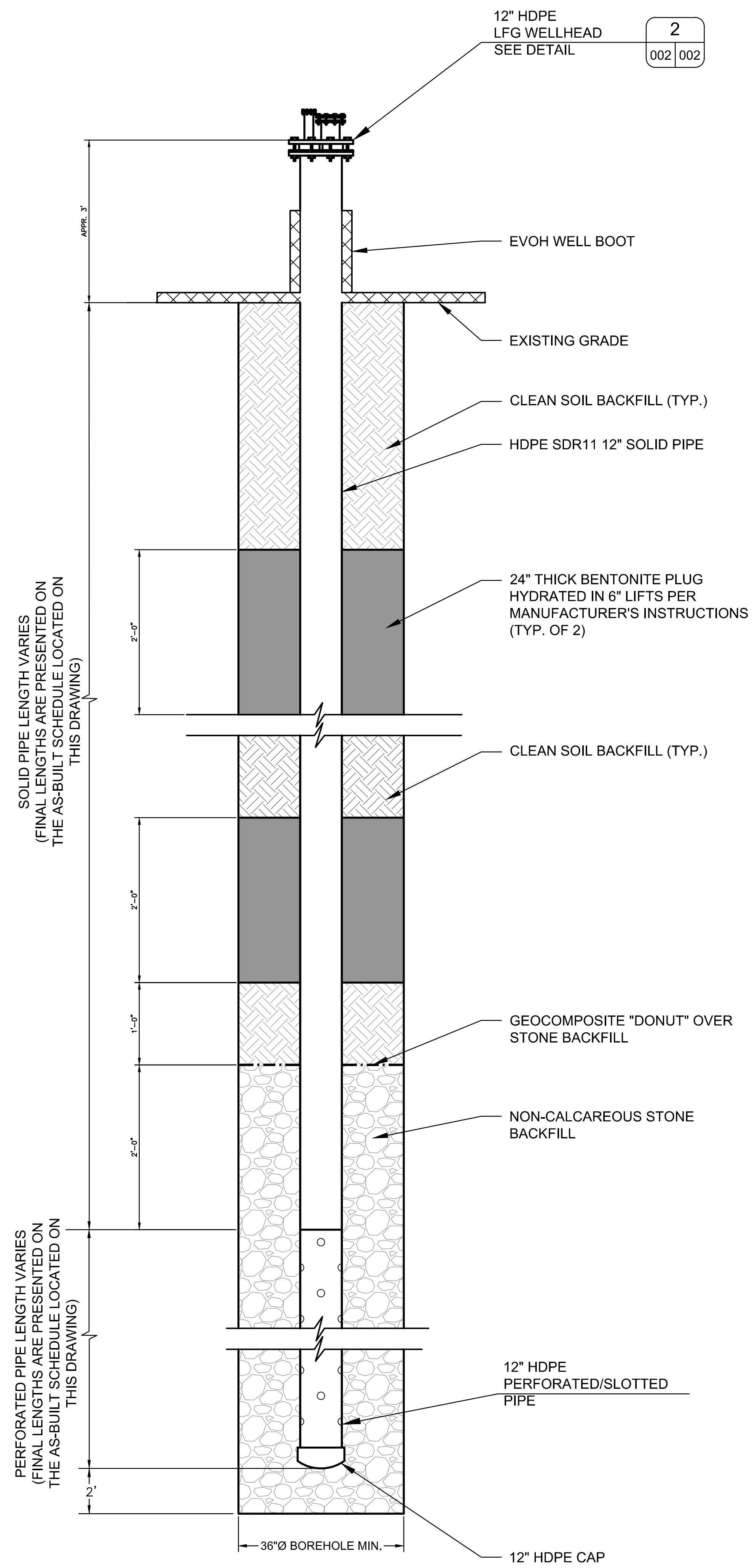
	SOLID WASTE BOUNDARY
	QUARRY WALL
	GAS EXTRACTION WELL
	PERIMETER GAS EXTRACTION WELL
	SURFACE EXTRACTION WELL
	CONDENSATE SUMP
	PERIMETER GAS EXTRACTION WELL
	GAS INTERCEPTOR WELL
	GAS INTERCEPTOR WELL/HEAT EXTRACTION POINT
	GAS EXTRACTION WELL WITH 4" STINGER
	2019 GAS EXTRACTION WELL
	4" ABOVE GROUND LFG COLLECTION LATERAL PIPING
	6" ABOVE GROUND LFG COLLECTION LATERAL PIPING

NOTES:
 AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED DECEMBER 12, 2018

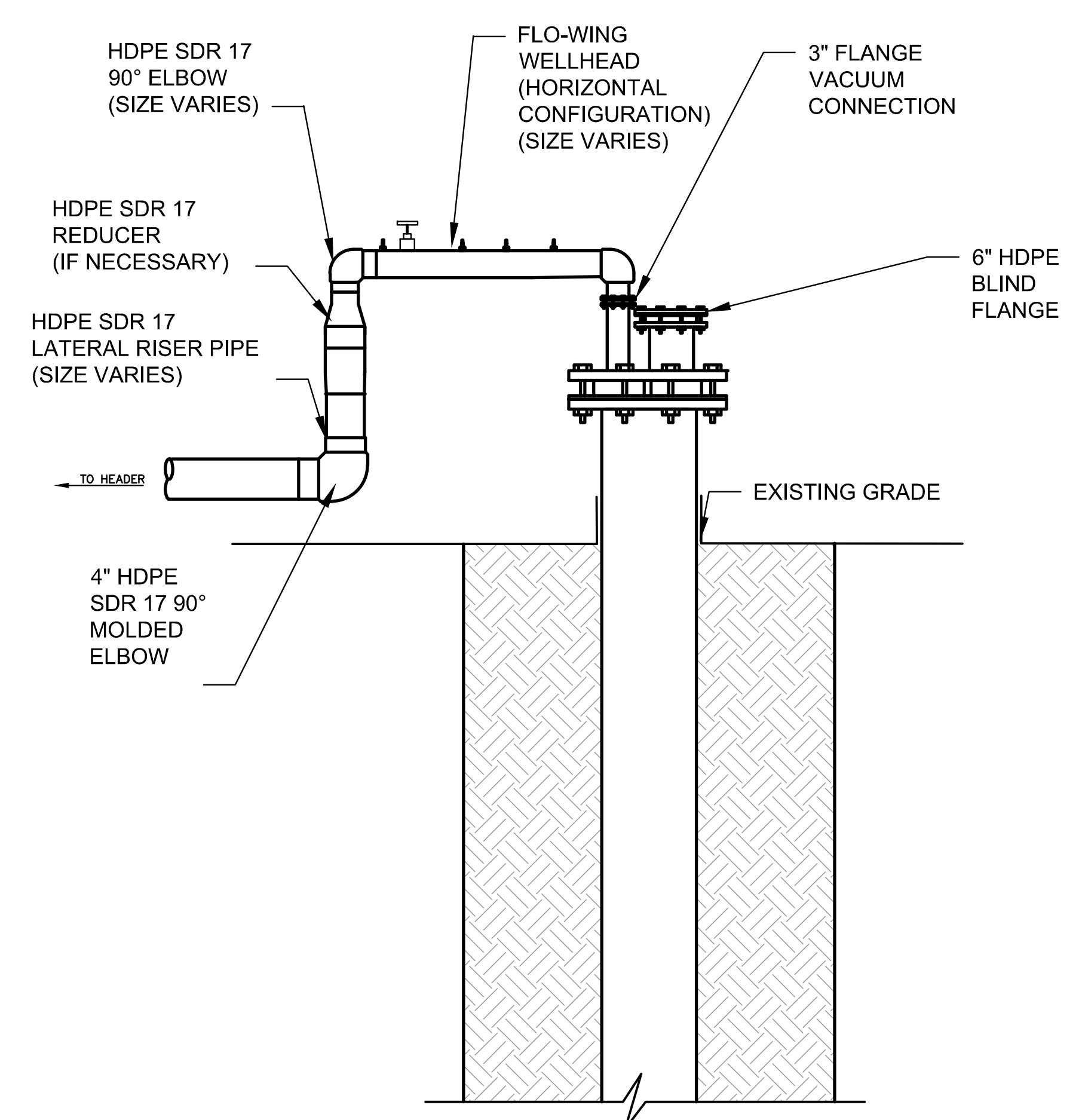
 DANIEL RICHARD FEEZOR PROFESSIONAL ENGINEER	PREPARED BY: DANIEL RICHARD FEEZOR	PROJECT: BRIDGETON LANDFILL 2019 GCCS INSTALLATION BRIDGETON, ST. LOUIS COUNTY, MO	PREPARED FOR: BRIDGETON LANDFILL, LLC 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044	DESIGNED BY: AMR APPROVED BY: DRF	DRAWING # 001
	DRAWING TITLE: 2019 GCCS PLAN VIEW			REVISIONS:	DATE DSN APV

3377 Hollenberg Dr. Bridgeton, MO 63044, Ph: 217-483-3118
 Missouri State Certificate Of Authority #: E-200912213

PROJECT NUMBER: BT-143-19 | FILE PATH: C:\Users\amr\Documents\2019\Engineering\Bridgeton\2019-08-15\0171_Gas\2019GCCS\19-Report\1-Approved\2019GCCS-Drawings



LFG EXTRACTION WELL DETAIL 1
NOT TO SCALE 001 002



GEW WELLHEAD DETAIL 2
NOT TO SCALE 002 002

NOTES:
1. CONTRACTOR WILL INSTALL BRIDGETON LANDFILL TYPICAL WELLHEAD.

2019 GCCS AS-BUILT WELL SCHEDULE								
WELL ID	Northing	Easting	As-Built Survey	Db	Solid Pipe Above Grade	Solid Pipe Below Grade	Dp	Thickness of Gravel Pack
				Boring Depth			Perforated Pipe	
			(Feet MSL)	(Feet)	(Feet)	(Feet)	(Feet)	(Feet)
GEW-232	1,067,533.5	515,882.1	477.77	70	2.90	20	48	52
GEW-233	1,067,180.0	515,519.7	470.58	54	2.56	20	30	36
GEW-234	1,066,943.3	515,522.6	481.17	89	1.67	15	70	76
GEW-235	1,066,832.7	515,508.1	479.66	85	2.74	20	60	67
GEW-236	1,067,086.7	515,764.6	497.71	93	2.25	20	70	75
GEW-237	1,067,232.5	516,794.7	498.01	85	2.95	20	60	67
GEW-238	1,067,455.3	515,763.4	483.35	85	1.96	20	60	67
GEW-239	1,067,517.5	516,377.1	485.66	82	2.51	20	60	66
GEW-240	1,066,987.7	516,082.9	502.35	92	1.59	20	70	74

NOTES:
AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED DECEMBER 12, 2018

DANIEL RICHARD FEZZOR
PE-030292

PREPARED BY

Engineering for a Better World
FEZZOR
ENGINEERING, INC.

3377 Hollenberg Dr. Bridgeton, MO 63044, Ph: 217-483-3118
Missouri State Certificate Of Authority #: E-200912213

PROJECT
BRIDGETON LANDFILL
2019 GCCS INSTALLATION
BRIDGETON, ST. LOUIS COUNTY, MO

PREPARED FOR
BRIDGETON LANDFILL, LLC
13570 ST. CHARLES ROCK ROAD
BRIDGETON, MISSOURI 63044

DRAWING TITLE
GCCS DETAILS

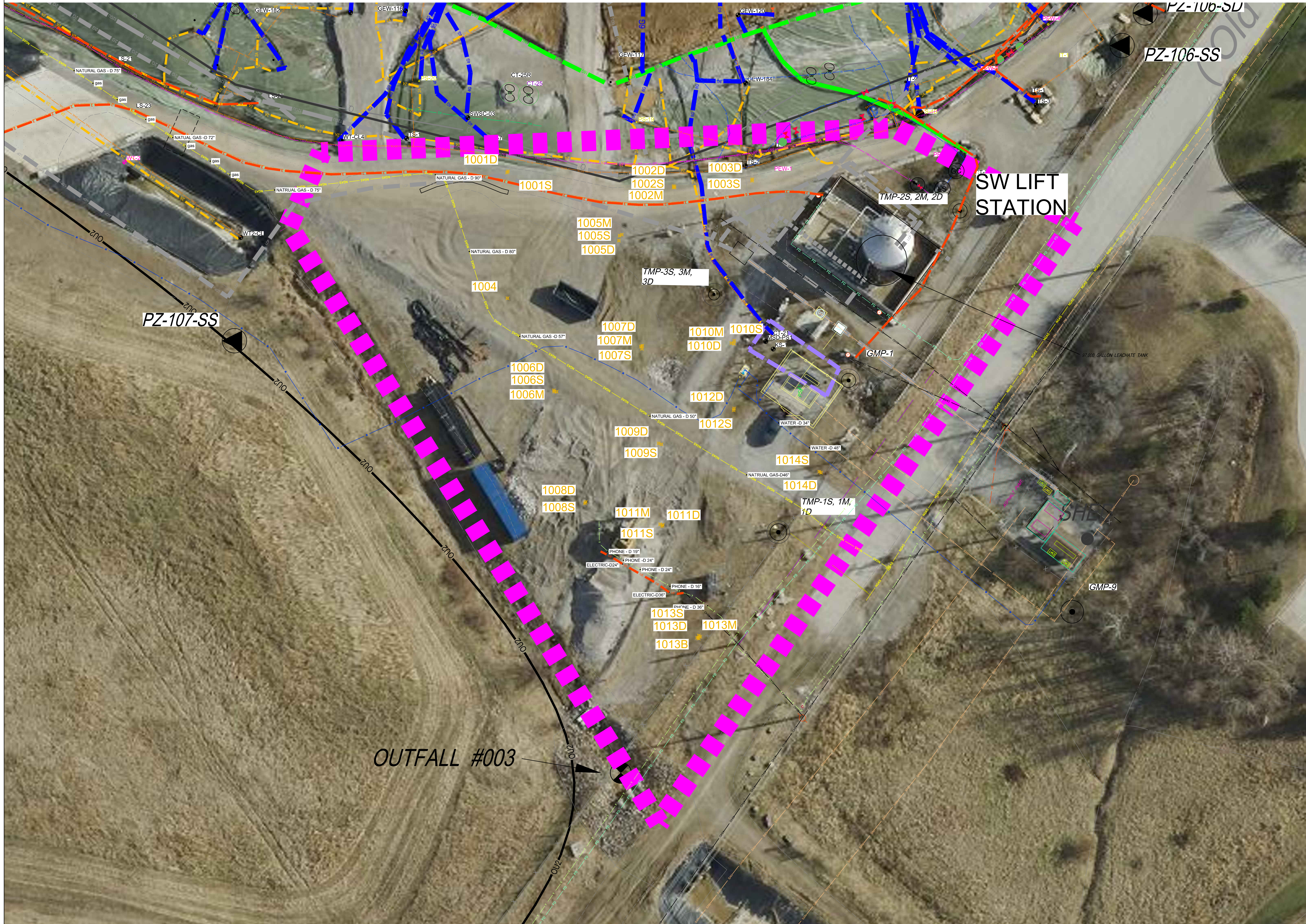
PROJECT NUMBER: BT-143-19 | FILE PATH: C:\Users\amr\Desktop\Fezzor\Drawings\Bridgeton\10-143-19\2017 Gas Well\03001-Report1-Approved-0-Drawings

DESIGNED BY: AMR	DATE	DSN	APV
APPROVED BY: DRF			
REVISIONS:			

DRAWING # **002**

APPENDIX E

**AS-BUILT BORING LOCATIONS – DRAWING 003 (FROM GEOPROBE AS-BUILT
REPORT**



LEGEND

	SOLID WASTE BOUNDARY
	QUARRY WALL
	WEST LAKE AREA 1
	WEST LAKE AREA 2
	GAS MONITORING PROBE
	TEMPORARY GAS MONITORING PROBE
	PIEZOMETER MONITORING WELL
	GAS EXTRACTION WELL
	INTERCEPTOR TRENCH SUMP
	SURFACE EXTRACTION WELL
	PERIMETER GAS EXTRACTION WELL
	LFG ISOLATION VALVE
	LEACHATE ISOLATION VALVE
	FLOW METER
	GRIT CHAMBER
	LIFT STATION
	CONDENSATE SUMP
	CONDENSATE TRAP/HEADER CONNECTION SUMP
	LEACHATE COLLECTION SUMP
	HORIZONTAL COLLECTION SUMP
	PERIMETER SUMP
	LEACHATE COLLECTION SUMP
	SURFACE COLLECTOR
	TEMPERATURE MONITORING PROBE
	SUBSURFACE RCP WELLS
	TRENCH SUMP
	INTERCEPTION TRENCH RISSE
	PERIMETER LEACHATE SUMP
	WELL HEAD RISSE
	WELL BORE BOOT
	TRENCH SUMP
	OVER LINER TIE IN POINT
	GAS INTERCEPTOR WELL
	GAS INTERCEPTOR WELL/HEAT EXTRACTION POINT
	CLEAN OUT
	GAS EXTRACTION WELL WITH 4' STINGER
	EXTRACTION POINT - ABANDONED
	EXTRACTION POINT - TEMPORARILY DECOMMISSIONED
	CONTAINMENT SUMP PUMP STATION FOR TOE STRIP DRAIN
	DOWNSLOPE STRIP DRAIN COLLECTOR 6' RISSE
	QUADRANT #
	POWER PANEL
	QUARRY WALL
	LEACHATE COLLECTION PIPING
	DUAL CONTAINED LCS FORCEMAIN (SIZE VARIES)
	DUAL CONTAINED PERIMETER FORCEMAIN (SIZE VARIES)
	LEACHATE COLLECTION PIPING (SIZE VARIES)
	TOE DRAIN
	4' PERFORATED TRENCH DRAIN
	BUBBLE SUCKER
	AIR LINE
	AIR LINE (PRESSURIZED BELOW GROUND)
	BURIED LFG COLLECTION PIPING (SIZE VARIES)
	2' ABOVE GROUND LFG COLLECTION LATERAL PIPING
	4' ABOVE GROUND LFG COLLECTION LATERAL PIPING
	6' ABOVE GROUND LFG COLLECTION LATERAL PIPING
	8' ABOVE GROUND LFG COLLECTION LATERAL PIPING
	10' ABOVE GROUND LFG COLLECTION LATERAL PIPING
	12' ABOVE GROUND LFG COLLECTION LATERAL PIPING
	18' ABOVE GROUND LFG COLLECTION HEADER PIPING
	24' ABOVE GROUND LFG COLLECTION LATERAL PIPING
	2" PRESSURIZED AIR / 2" FORCEMAIN IN COMMON TRENCH
	ABOVEGROUND ELECTRIC LINE
	OVERHEAD ELECTRIC LINE
	UNDERGROUND ELECTRIC LINE
	SANITARY SEWER
	MSD DISCHARGE FORCEMAIN
	WATERMAIN
	NATURAL GAS LINE
	FIBER OPTIC LINE
	TELEPHONE
	FENCE LINE
	INTERCEPTOR TRENCH
	HEAT EXTRACTION EFFLUENT PIPING
	HEAT EXTRACTION INFLUENT PIPING
	WORK PLAN AREA
	AS-BUILT GEOPROBE LOCATION

Scale: 1" = 20'

DISCLAIMER:
 THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITIES KNOWN TO EXIST, AS SHOWN ON THESE DRAWINGS ARE BASED ON THE BEST INFORMATION PROVIDED TO FEI AT THE TIME OF THIS SUBMITTAL. THIS INFORMATION HAS BEEN PROVIDED TO FEI "AS-IS" AND FEI EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION FOR ANY USE. IT IS THE RESPONSIBILITY OF ANY PARTIES PERFORMING WORK TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

NOTES:
 * AERIAL TOPOGRAPHY PROVIDED BY COOPER AERIAL SURVEYS CO. AND IS DATED DECEMBER 10, 2019

PREPARED BY: 3377 Hallenberg Dr. Bridgeton, MO 63044 Ph: 217-483-3118 Missouri State Certificate of Authority # E-200912213	PROJECT: BRIDGETON LANDFILL SOIL GAS MONITORING WORK PLAN BRIDGETON, ST. LOUIS COUNTY, MO	PREPARED FOR: BRIDGETON LANDFILL, LLC 13570 ST. CHARLES ROCK ROAD BRIDGETON, MISSOURI 63044	MAY 2020 DESIGNED BY: AMR APPROVED BY: DRP 003 REVISIONS: DATE DSN APV
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