

Department of Public Works  
Engineering Division

July 25, 2022

CITY OF BERKELEY  
LANDFILL POST-CLOSURE MONITORING AND MAINTENANCE SERVICES  
SPECIFICATION NO. 22-11521-C  
ADDENDUM "A"

Dear Bidder:

**Please note that the submittal due date has been extended from Tuesday, July 26, 2022 to Thursday, August 11, 2022.**

**Question 1:** *On Page 3 of the RFP, the Landfill Gas Control and Monitoring Systems includes eighteen (18) landfill gas monitoring probes. Can you please confirm the total number of probe casings for the site?*

**Answer 1:** There are forty-two (42) LFG extraction wells and an additional sixteen (16) horizontal gas collectors installed in fill south of Spinnaker Way. There are also sixteen (16) single probes, also all south of Spinnaker Way. Probes are all located outside of buildings and considered and approved as subsurface evaluation probes and are not regulatory compliance monitoring points.

**Question 2:** *On Page 5 of the RFP, Task 5 – Landfill Gas Collection and Control System Operation, Maintenance, Monitoring, and Reporting is listed without any description. Could the City please confirm what it is included in Task 5?*

**Answer 2:** An LFG collection and control system (GCCS) is installed at the site and is operated in general conformance with BAAQMD Regulation 8, Rule 34 and a site-specific Permit to Operate issued by the BAAQMD.

Weekly blower/flare station (BFS) visits are performed to confirm correct flare and LFG system operation in compliance with permits and to record permit required data. System adjustments may be required to help control LFG migration into the surrounding structures, surface emissions and to help optimize system performance.

Once each month, LFG evaluation monitoring probes will be tested to assist in performing collection system adjustments. LFG vertical extraction wells and horizontal trench collectors will be monitored. Inspect monitors/sensors, alarm systems and digital recorders to be checked in accordance with manufacturer specifications.

Weekly follow-up testing and adjustment of extraction wells will be conducted in response to system balancing (as needed).

Preparation of a detailed report monthly to the City containing data collected, and a summary of all activities performed on the project during the reporting period. Maintenance repairs and/or system modifications will also be recommended as required.

Quarterly, the LFG system blowers, pumps (and electric motors) will be lubricated in accordance with the manufacturer specification. The flare flame arrester will be inspected. Differential pressure readings will be evaluated. The burner head will be visually inspected using sight glass.

Once each quarter, CONSULTANT will perform BAAQMD Rule 8-34 component emissions leak testing, utilizing a flame ionization detector (FID). In the event that elevated readings equal to or greater than 500 ppm are observed, City technical staff will be notified immediately.

Once each quarter, on site structures will be tested in accordance with CCR Title 27 requirements. In addition, automated combustible gas sensor units installed in the DoubleTree Hotel Complex will be tested and verified for calibration and proper functionality and operation.

Preparation of a quarterly report to the City and CalRecycle containing evaluation probe and structure monitoring data and sensor system operational summary.

On an annual basis, vessel and piping systems will be observed for corrosion.

Once per year, prepare total LFG flare throughput calculations as required by the BAAQMD.

**Question 3:** *On Page 6 of the RFP, Task 6 – Routine LFG Services (Quarterly) states requirement to test and calibrate gas sensor units installed in the DoubleTree Hotel Complex. Could the City please provide manufacturer specifications for the installed gas sensors?*

**Answer 3:** There are nine (9) total First Alert Model No. GC01CN plug in combination explosive gas and carbon monoxide with battery backup located in building numbers 1, 2, 5 and 7. See attached.

**Question 4:** *On Page 8 of the RFP, Task 8 – BAAQMD Rule 8-34 Annual Report requires preparation of an annual report. Could the City please provide a copy of the 2021 BAAQMD Rule 8-34 Annual Report?*

**Answer 4:** See attached.

**Question 5:** *On Page 8 of the RFP, Task 9 – Annual AB 32 Monitoring and Reporting requires annual Surface Emissions Monitoring (SEM) and preparation of an annual report. Could the City please provide a copy of the 2021 Annual AB 32 Monitoring Report and a copy of the Revised Alternative SEM Compliance Plan?*

**Answer 5:** See Attached – Includes Landfill Methane Rule (LMR) Surface Emissions Monitoring (SEM) report, which is attached to the Annual LMR Report. Revised Alternative SEM Compliance Plan – This is not recalled. Some of the reduced monitoring that may occur may be directly allowed by the LMR or BAAQMD Rule 8-34. Thus, we don't have to ask for a specific alternative. See Attached ACO Response.

**Question 6:** *Can you please confirm SEM monitoring frequencies – SEM monitoring is listed under annual but the section includes requirement for quarterly SEM reports*

**Answer 6:** SEM report is due annually as long as the landfill continues to qualify for annual monitoring as a closed landfill.

**Question 7:** *Can you please confirm if Cover Penetration and Perimeter monitoring are required per recent NESHAP AAAA and NSPS OOO regulations.*

**Answer 7:** The landfill is not subject to the federal air quality requirements under the NESHAP, NSPS, or EG regulations. However, penetration monitoring is required under the LMR.

**Question 8:** *Can you please confirm who is responsible for the condensate management system? How many sumps? Who empties the condensate holding tank when it gets filled? What style pumps are used in the condensate traps/sumps?*

**Answer 8:** There are approximately twenty (20) original installed below grade (old style bottle/J tube) condensate drains. These all drain back into the landfill. There are no sumps or pumps anywhere on the system. It's the contractor's responsibility monthly to verify adequate vacuum throughout the systems. Historically, during heavy rain winter months available vacuum decreases on some main below grade piping systems. When any vacuum loss is detected or occurs the City will approve the contractor the installation of temporary above grade jumper pipelines to maintain system vacuum during these periods. This work is typically approved as a non-routine system modification scope of work as needed each winter if vacuum loss is observed.

**Question 9:** *For the flare station alarm call-out devices, can you please provide more detail on the call-out device?*

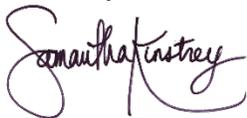
**Answer 9:** Currently installed is a wireless Sensaphone alarm system with battery backup which calls out pre-programmed phone numbers when alarms or a flare station shutdown occurs.

**Question 10:** *Page 16 of the RFP states that the Sample of Personal Services Contract can be found on the City's website on the current bid and proposal page at the top half of the page. We were not able to locate the sample contract on the City's site. Can you please send a link to the file or send the file?*

**Answer 10:** See attached.

All other provisions of the contract documents shall remain the same. **Bidders shall submit a signed copy of Addendum "A" along with their Bidder's Proposal. Failure to do so may result in bid rejection.**

Sincerely,



for Reeve Battle  
Project Manager

**BIDDER'S ACKNOWLEDGEMENT:**

Landfill Post-Closure Monitoring and Maintenance Services Project

Name of Company: \_\_\_\_\_

Address, City, State, Zip: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_