



**Texas Commission on Environmental Quality
New Technology Implementation Grant (NTIG) Program**

Implementation Quarterly Report Form

Contract Number: <p style="text-align: center;">582-25-71299-NG</p>	Grantee Name: <p style="text-align: center;">BGICO, LLC</p>
Report for Quarterly Period: <p style="text-align: center;">October 01 - December 31</p>	Physical Project Address: <p style="text-align: center;">3606 FM 1327</p>
Date Submitted: <p style="text-align: center;">December 29, 2025</p>	Project Representative Name: <p style="text-align: center;">Clint Harp</p>
Project Representative E-Mail: <p style="text-align: center;">charp@okapienvironmental.com</p>	Project Representative Phone Number: <p style="text-align: center;">737-236-7500</p>
Project Summary (150 words or less): <p>The BGICO Landfill Gas to Energy Project captures and converts methane-rich landfill gas into a renewable energy source via the Renewable Natural Gas (RNG) plant by collecting landfill gas from the neighboring Texas Disposal Systems Landfill via a collection system consisting of natural gas wells and HDPE pipe. The collection system interconnects to the RNG plant where the natural gas is treated through a complex series of heating, cooling, compression, drying, and membrane filtration. The result of this treatment is pipeline quality methane that would have previously been flared to atmosphere. The treated methane is then injected into the commercial pipeline system where it can be used as transportation fuel, residential beneficial use, or electricity generation.</p>	

Section I. Project Progress

- A. Indicate which Tasks, as defined in the Grant Contract Scope of Work, are currently in progress. Describe any challenges encountered during the completion of these Tasks. Discuss plans or actions taken to resolve them.

BGICO, LLC has initiated the final task scheduled for this quarter—Task 8: Operation Period Reporting. The transition from the construction phase to full plant operations has been generally smooth, though not without challenges. As reliance on external consultants and contractors has decreased significantly, the internal team has assumed full responsibility for addressing issues as they arise. To date, all operational challenges have been resolved effectively, and the team continues to adapt and strengthen its capabilities as new situations emerge.

While BGICO, LLC developed a comprehensive staffing plan in preparation for the operations phase, the shift from construction to continuous plant operations has required notable adjustment for the operations staff. The facility now runs 24 hours a day, seven days a week, supported by operators working 12-hour shifts on a 7-on/7-off rotation. This schedule represents a substantial change from the standard daytime hours maintained during the construction period. Additionally, newly hired operators are undergoing extensive training that includes plant operating procedures and safety protocols. Despite these adjustments, the team has demonstrated strong collaboration and flexibility—effectively covering shifts, accommodating scheduling needs, and maintaining a high level of operational performance.

- B. Indicate which Tasks have been completed, and any associated accomplishments, this quarter. Describe any challenges encountered during the completion of these Tasks. Discuss actions taken to resolve them.

Documentation supporting the completion of Tasks 2, 3, and 4 was submitted to TCEQ during this quarter. In addition, the documentation package for Task 5: Execution of Contracts and Purchase of Equipment is actively being gathered and prepared for final submission to TCEQ.

During this quarter, BGICO also completed the work associated with Task 6: Installation and Commissioning of Project and Task 7: Testing of Final Design. The documentation and reports required for these tasks are currently being compiled and will be submitted to TCEQ in advance of the respective deadlines—15 months and 18 months following the Notice to Proceed.

The testing and commissioning phases presented several challenges, primarily related to communication and electrical system issues identified throughout the facility. During both the “wet” and “dry” commissioning processes, multiple pieces of equipment failed to respond as expected. Most of these issues were traced to wiring errors or misconfiguration in electrical and Ethernet connections. Identifying and correcting these deficiencies required significant time and effort; however, all issues have since been resolved, and major equipment is now communicating and performing as intended.

Another challenge encountered during commissioning was the low inlet gas volume. The facility has been designed for long-term growth, resulting in equipment sized for future, higher flow rates than are currently available. Operating at comparatively low flows created unique performance challenges for certain systems. To address this, several vendors reconfigured control panels and adjusted system set points to ensure proper operation under reduced volumes. These adjustments successfully resolved all flow-related issues, and the plant is currently operating as designed. BGICO anticipates increasing gas supply volumes over time, which will further align system performance with its intended design capacity.

Section II. Goals for Upcoming Period

A. Provide a brief description of the Tasks and/or other project goals you hope to realize in the coming period and identify any notable challenges that can be foreseen.

In the upcoming reporting period, BGICO will continue work under Task 8: Operation Period Reporting. As noted in Section I.A, the transition into sustained operations presents several ongoing challenges. Most importantly among these is the need to maintain a consistently safe and compliant work environment as the facility operates on a 24/7 basis. Ensuring that all operators remain fully trained, properly certified, and up to date on evolving safety protocols will require continued focus and dedicated effort. Routine safety meetings, refresher courses, and hands-on exercises will be integral to supporting staff readiness and reinforcing a strong safety culture across the operations team.

Looking ahead, BGICO's key operational goal is to significantly reduce the volume of landfill gas that would otherwise be directed to the flare, thereby maximizing beneficial use of the resource. Achieving this objective will require close monitoring of system performance, careful coordination with landfill operations, and ongoing optimization of equipment to ensure stable operation at varying inlet gas volumes. While fluctuations in gas supply and the demands of continuous plant operation may pose challenges, BGICO is committed to proactively addressing performance issues and ensuring that all activities align with environmental, safety, and regulatory standards.

Authorized Official/ Project Representative's Printed name

CLINT HARRIS

12/29/2025

Authorized Official Signature/ Project Representative's name

Date



Note: Please attach any additional information that you feel should be a part of your report.

This form may be submitted via e-mail to your Grant Manager at terp@tceq.texas.gov.