



**Texas Commission on Environmental Quality (TCEQ)
Texas Emissions Reduction Plan (TERP)
New Technology Implementation Grant (NTIG) Program**

Implementation Period Biannual Status Report Form

Contract Number: 582-23-45840-NG	Grantee Name: CR Permian Processing, LLC
Report for Biannual Period: 7/1/2024 - 12/31/2024	Physical Project Address: 351 Reeves CR 402, Pecos, TX 79772
Date Submitted: 12/31/2024	Project Representative Name: Dawn Coufal
Project Representative E-Mail: dcoufal@kinetik.com	Project Representative Phone Number: 281-713-9704
Project Summary (150 words or less): The project consists of replacing one existing Caterpillar (CAT) G3616LE A3 4,735 horsepower (HP) lean burn natural gas engine used in natural gas residue compression service with a Hyundai 5,000 HP electric motor, thereby eliminating all engine emissions from the existing engine. The project is located at CR Permian Processing, LLC's Pecos Bend Gas Processing Plant in Pecos, Texas.	

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.

CRPP successfully completed the remaining scope of work outlined in Tasks 1 - 7 during this reporting period. The electric motor was commissioned and handed over to plant operations on September 11, 2024. No additional tasks are currently in progress.

CRPP will complete the remaining Tasks as outlined in Section II.

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

Task 1: Implementation Reporting Period

2.1.1 Throughout the Implementation Reporting Period, CRPP coordinated resources and met NTIG program requirements while providing deliverables on-schedule and on-budget.

2.1.2 This report, the 3rd and final Biannual Progress Report for 7/1/24 - 12/31/24 (Task 2.1.5 Deliverable (a)) and the Final Implementation Report (Task 2.1.5 Deliverable (b)) were submitted December 31, 2024.

Task 4: Specific Project Site Preparation

2.4.1 CRPP completed the construction drawings and remaining vendor agreements necessary to prepare the site for installation.

2.4.2 Modifications were made to the skid during a planned compressor outage. No significant earthwork was needed to prepare the site for construction since this project mostly involved modifying and replacing existing equipment. Preparatory project work involved planning for the operational outage, removing the engine from the skid, and modifying the skid for the motor installation.

2.4.4 CRPP submitted its Documentation Report on November 19, 2024 which included photographs of the site preparation and skid modification.

Task 5: Execution of Contracts and Purchase Equipment

2.5.3 (a-b) CRPP submitted its Documentation Report on November 19, 2024 which included a summary of all subcontracts and subcontractors' scopes of work and documentation of the procurement processes for the project and equipment.

Task 6: Installation and Commissioning of Project

2.6.1 CRPP successfully coordinated the contractor personnel, employees, and equipment deliveries to ensure the safe, efficient, and professional installation and commissioning of the project. Installation followed the delivery of the electric motor and RVSS which arrived on-site mid-July 2024. Construction was substantially complete by mid-August 2024, and the RVSS was commissioned late-August. The Process Safety Readiness Review (PSRR) was conducted on September 10, and the new electric motor was commissioned and handed over to plant operations on September 11th.

2.6.3 (a) CRPP submitted its Documentation Report on November 19, 2024 which included an overview of the completed motor process and photos showing the installed electric motor and reduced voltage soft start equipment.

Task 7: Testing and Final Design

2.7.1 - 2.7.3 CRPP completed the following testing to ensure proper installation and activate factory warranties: (1) Factory Acceptance Testing of the RVSS; (2) DC high potential testing for cable; and (3) testing and commissioning of the electric motor. 2.7.4 CRPP submitted its Documentation Report on November 19, 2024 which included the operational testing procedures and testing results.

*Drawing from experience in similar projects, our team was well-prepared to address challenges throughout the project. The project did not encounter any significant issues or setbacks during this reporting period.

Minor setbacks, such as shipping delays for certain equipment and parts, were mitigated through strategic planning and execution. A minor technical challenge involved retrofitting a skid initially designed for a natural gas-driven engine to accommodate an electric motor. Retrofitting the existing equipment was a challenge since original design documentation was limited. While the project's goals were achievable, addressing the known variables was key to overcoming barriers. These minor challenges were effectively managed through a combination of engineering solutions and close collaboration with contractors and did not cause any significant setbacks.

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.

Following the submittal of this report and the Final Implementation Report on December 31, 2024, CRPP will have completed its Implementation Reporting Period tasks. The following objectives will be completed in accordance with the contract agreement:

Task 6: Installation and Commissioning of Project

2.6.3 (b) CRPP will submit Requests for Reimbursement for the procurement and installation of the equipment after its Documentation Report under 2.6.3(a) is approved. This report was submitted on November 19, 2024 and subsequently approved on December 10, 2024.

Task 8: Operation Period Reporting

2.8.1 CRPP will operate the project for a minimum of five years.

2.8.2 CRPP will submit Annual Operation status reports beginning with calendar year 2025 and will submit a Final Operations Report upon completion of Task 8.

*No notable challenges are expected during the remaining term of the contract.

Authorized Official/ Project Representative's Printed name

Dawn Coufal (Project Representative)

Authorized Official Signature/ Project Representative's name

Date



12/31/2024

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 Contract Manager, Drew Weise at

drew.weise@tceq.texas.gov.