



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

Operation Period Status Report

Select Annual or Final Operation Period Status Report: *Annual*

Contract Number: 582-23-45840-NG	Grantee Name: CR Permian Processing, LLC
Report for Annual Period: 11/12/2025 – 12/31/2025	Physical Project Address: 351 Reeves CR 402, Pecos, TX 79772
Date Submitted: 12/31/2025	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. Accomplishments

*Provide a list of facility operations during the past year. Include exact numbers and/or estimates.
(Explain using 6000-8000 Characters)*

During the 2025 annual reporting period, the grant-funded equipment operated reliably and consistently in support of project objectives.

The primary goal of this NTIG-funded project was to significantly reduce air emissions at our Pecos Bend Gas Processing Plant by eliminating emissions associated with the operation of the former CAT G3616LE A3 4,735 HP lean burn natural gas compression engine. This objective was achieved by repowering the existing compressor with a Hyundai 5,000 HP electric motor.

This repower project directly eliminates emissions of nitrogen oxides (NO_x), volatile organic compounds (VOC), particulate matter (PM), sulfur dioxide (SO₂), carbon monoxide (CO), formaldehyde (HCHO), greenhouse gases (GHG), and other pollutants previously associated with combustion-based compression.

Since commissioning in September 2024, the electric motor has operated approximately 8,630 total hours, including approximately 6,240 hours year-to-date during the current reporting period. Based on total runtime since commissioning, the project has resulted in substantial net reductions in actual emissions when compared to continued operation of the replaced combustion engine.

Using the emissions factors from this project's NTIG Project Proposal and total operating hours since commissioning, the emissions reductions in the table below represent cumulative avoided emissions relative to continued operation of the replaced combustion engine.

Emissions Reduction Summary (Since Commissioning – 8,630 Operating Hours)

Pollutant	Reduction Rate (lb/hr)	Total Reduction (lb)	Total Reduction (tons)
NOx	3.28	28,306	14.2
CO	0.64	5,523	2.8
VOC	0.85	7,336	3.7
PM	0.35	3,020	1.5
Formaldehyde (HCHO)	0.21	1,812	0.9
SO2	0.02	173	0.1
Greenhouse Gas (GHG)	--	--	21,661 metric tons

These reductions reflect actual operating performance of the electric motor and demonstrate the effectiveness of the NTIG-funded project in achieving sustained, real-world emissions reductions while supporting reliable plant operations. The grant-funded equipment has been fully integrated into existing systems, has operated on a regular schedule aligned with operational needs, has met or exceeded performance expectations, and is necessary and integral to ongoing plant operations.

Section II. Key Events and Issues

Report any key events that occurred during this reporting period. Please include any major project updates that impacted operations.

Report any anticipated or unanticipated problem(s).

Proposed Solution(s): Report any possible solution(s) to the anticipated or unanticipated problem(s).

Action(s) Conducted and Results: Describe the action(s) taken to resolve the anticipated or unanticipated problem(s). Were the actions successful in resolving the problem?

There were no major project updates or operational disruptions impacting the facility during the reporting period. Overall performance of the grant-funded equipment has been stable and reliable, supporting continued plant operations in alignment with project objectives. The unit has operated as intended and has demonstrated consistent performance under normal operating conditions.

One unanticipated event occurred during the reporting period involving a 50-volt power supply failure within the soft start system. This issue resulted in an approximate one-week outage of the unit while the appropriate replacement power supply was sourced directly from the soft start manufacturer. The required power supply exceeded the plant's standard 24-volt power supply inventory, which contributed to the duration of the outage.

Following identification of the issue, the defective component was promptly diagnosed and replaced with the appropriate manufacturer-specified component. Once the replacement was installed, the unit was returned to service and resumed normal operation. The corrective action effectively resolved the issue, and it has operated without further incident since the repair.

Aside from this isolated incident, the unit operated without significant issues throughout the reporting period and did not require major repairs or modifications. The event did not result in long-term impacts to operations or project objectives. Routine inspections and preventative maintenance activities have continued and support expected performance and reliability of the grant-funded equipment.

Section III. Provide a summary of the overall state of the facility and grant funded equipment.

The overall state of the facility and grant funded equipment is excellent. The unit continues to perform as intended and consistently meets operational needs. Reliability has been high, maintenance requirements have been minimal, and the unit has integrated well into existing plant operations. Operational feedback indicates strong satisfaction with the equipment's performance under current operating conditions.

While opportunities for enhanced throughput control have been identified, these observations reflect operational preferences rather than deficiencies in equipment performance. These considerations do not detract from the unit's effectiveness or its ability to support current operational demands.

The facility remains well-positioned to continue utilizing the grant-funded equipment efficiently and productively during future reporting periods.

Section IV. Goals and Issues for Upcoming Period

Provide a brief description of the project goal(s) you hope to realize during the next reporting period.

During the next reporting period, the primary goal is to maintain consistent, reliable operations while maximizing the value of the grant-funded equipment. Continued focus will be placed on minimizing unanticipated downtime, sustaining high operational availability, and ensuring that the unit continues to meet operational expectations and project objectives.

Routine inspections and preventative maintenance will continue to support long-term performance and reliability.

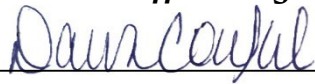
No significant issues are anticipated for the upcoming reporting period. The plant is operating from a position of stability, and the grant-funded equipment is expected to continue performing effectively in support of operational and project goals.

Authorized Official/ Project Representative's Printed Name

Dawn Coufal

Authorized Official Signature/ Project Representative's Signature

Date



12/31/2025

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.