



OPERATIONS & MAINTENANCE
PLAN
Enterprise Carlsbad GS

Facility ID: fAPP2122928745

August 2021

System Overview

General purpose overview of the gathering system

The purpose of Enterprise operations in New Mexico is to gather gas from producers and deliver to processing facilities. Enterprise Farmington GS operations (North) has approximately 5600 miles of pipeline and 21 compressor stations. Enterprise Carlsbad GS operations (South) has approximately 1300 miles of pipeline and 16 compressor stations.

High or low pressure

Operating pressures vary from 150 psi to 600 psi typically, with a few lines more than 700 psi. Lines with operating pressure over 100 psi are considered "high pressure".

PHMSA/NMPRC regulated/non-regulated lines

The Enterprise gathering systems contain DOT Class 1, 2, and 3 pipeline segments. All segments are under the jurisdiction of the NMPRC.

Sweet or sour natural gas

Enterprise considers gathered gas to be "sweet", although the gas can contain H₂S.

Above ground or buried lines

The Enterprise gathering systems contain both above ground and buried lines, and the majority of lines are buried.

Age of the lines

The oldest lines in the Enterprise gathering system are circa 1951, with ages dating from that time to present day.

Construction material

The Enterprise gathering systems are constructed of various grades of carbon steel.

Routine Operations and Maintenance

Physical pipeline marking and identification

The Enterprise gathering system has buried pipelines marked with line of sight markings and road crossings, in accordance with DOT regulations and industry practice.

Right of Way Patrols, Leak Surveys, Routine inspections

Enterprise typical patrols all lines at least once per year, with schedules based on class and location.

Pipeline Pigging

Schedule

Pipeline pigging is scheduled at various frequencies as needed. The current schedule is available on request.

Pigging types and applications

Enterprise uses all types of pigs, such as spherical ball, disc, cup, and foam. The type of pig is selected based on lines size, layout and launcher configuration.

Pipeline Maintenance Program

Depressurization procedures

Enterprise uses company procedures and policies for pipeline depressurization and purging.

In general, Enterprise will flare for scheduled maintenance activities, rather than vent, pipelines except when flaring is technically infeasible, or would pose a risk to safe operations or personal safety and venting is a safer alternative to flaring.

Cathodic/anode installation

The Enterprise gathering system has cathodic protection systems with rectifiers and grounds beds.

Pressure test and dewatering

Enterprise uses internal and industry standards to create a job plan for each individual pressure test.

Pressure test guidelines and schedule

Enterprise uses internal and industry standards to determine the need to pressure test and creates a job plan for each test. A pressure test schedule is available on request.

Cathodic Protection, Corrosion Control and Liquids Management

Cathodic Protection

Cathodic Protection – Installation on new pipelines

Ground beds are typically designed and installed as part of new pipeline systems. Enterprise typically conducts a Close Interval Survey (CIS), and then will add-to, or adjust, the CP system as necessary.

Cathodic Protection – Installation or retrofit on existing pipelines

Enterprise has CP systems in place on existing pipelines, and well ties are typically protected by existing CP systems. Tests are conducted periodically to determine whether the CP system is adequate. Schedule and test results are available on request.

Cathodic Protection – Monitoring and testing program to ensure effective cathodic protection.

Enterprise surveys existing DOT pipelines annually. Non-DOT regulated pipelines are surveyed on an ad-hoc schedule.

Chemical Treatments

Enterprise determines the need to perform chemical treatments based upon internal and industry standard, in-line inspections, hydrostatic testing, weight loss coupons, corrosion rate probes, product analysis (liquids, solids, microbiological activity, etc.), direct measurement, and visual examination.

Enterprise also uses other techniques besides chemical treatment to mitigate corrosion including but not limited to: elimination/control of corrosive constituents, maintenance pigging, changes to pipe configurations and changes to operating conditions.

Fluid Management – centralized vs field dehydration

Enterprise uses both field and centralized fluid management.

Tank Operations

Enterprise tanks are equipped with either level control (high level alarms and shutdowns), or can be operated using manual gauging. Enterprise technicians ensure thief hatches are properly operated and maintained.

Procedures to Reduce Releases

Procedures to reduce venting and flaring during maintenance, emergencies, and malfunctions.

In general, Enterprise will flare, rather than vent, pipelines except when flaring is technically infeasible, or would pose a risk to safe operations or personal safety and venting is a safer alternative to flaring.

Procedures for reporting scheduled maintenance and emergencies to upstream operators.

Enterprise notifies upstream operators within 14 days for scheduled maintenance via phone call and/or text message and follow-up email using information similar to the OCD suggested form. Electronic copies are kept for 5 years. If operators reply that they would like Enterprise to perform the shutdown sooner than 14 days, then the shutdown will occur on the agreed schedule.

Notifications for emergencies are done via phone call with 12 hours and by email within 24 hours. These notifications have a follow-up email that is kept electronically for 5 years.

Emergency response plan

Enterprise maintains and Emergency Response Plan as required by DOT. This plan contains Sensitive Security Information that is controlled under 49 CFR parts 15 and 1520, which restricts disclosure to entities with a "need to know". Requests for copies or partial copies may be made to Enterprise.

Source elimination

When a leak is identified, Enterprise promptly takes actions to stop the leak and then completes corrective action to eliminate the cause of the leak and to prevent its recurrence at the location.

Reporting to regulatory agencies

Enterprise has a compilation of notification requirements, *The Environmental Telephonic Incident Notification Federal and State Guidance*. A copy of the New Mexico section is available upon request.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 43787

QUESTIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 43787
	Action Type: [NGGS] NGGS Operations Plan (NGGS-OP)

QUESTIONS

Verification	
Does the operator own the selected facility	Yes
Is the selected facility a natural gas gathering system	Yes

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Gathering System Operations Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.