



13 Bataan Blvd Santa Fe, NM 87508

unknown

FAX To: Regional Environmental Department 111-111-1111

SERC/LEPC Notification Form

Facility Name:	Artesia Plant	Date:	8/10/2022 6:33 AM	County:	EDDY
Location:	Event GPS Coordinates: 32.7564, -104.2111 Driving Directions: (Lat: 32.7564, Long: -104.2111); From US-82 (Main St) & US-285 (1st St) located on the east side of Artesia NM, drive 12.2 miles E on US-82, turn S and drive 2.9 miles on Illinois Camp Rd (CR-206) to the Gas Plant on the right.				☒ Initial Report ☐ Updated Report ☐ Final Report

Type of Incident:	Upset	Release Occurred To:	Air	Release Type:	Flared
Started On:	8/9/2022 1:38 PM	Ended On:	8/9/2022 3:15 PM	Discovered On:	8/9/2022 1:38 PM

Event Duration:

97 Minutes

Material Released:**Material Composition:**

Pentane 0.4223%, Ethane 8.9404%, Methane 79.0053%, Heptane 0.5948%, Propane 4.3187%, Hydrogen Sulfide 0.5515%, Carbon Dioxide 0.9463%, n-Octane 0.535%, Isopentane 0.4019%, Hexane 0.4168%, Nitrogen 1.7778%, n-Nonane 0.134%, Isobutane 0.5697%, Butane 1.3855%, Hydrogen Sulfide 0.5515%,

Calculations:

Compound Calculation Used to Obtain Released Amount

Nitrogen Dioxide: $85000 \text{ {scf/event}} * 1264.44059986563 \text{ {MMbtu/scf}} * 0.138 \text{ {lb/MMbtu}} * 0.05$ Nitrogen Dioxide: $85000 \text{ {scf/event}} * 1264.44059986563 \text{ {MMbtu/scf}} * 0.138 \text{ {lb/MMbtu}} * 0.05$ Pentane: $85000 \text{ {scf/event}} * 0.004223 \text{ {mole fraction}} * 72.1488 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ Heptane: $85000 \text{ {scf/event}} * 0.005948 \text{ {mole fraction}} * 100.2019 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ Propane: $85000 \text{ {scf/event}} * 0.043187 \text{ {mole fraction}} * 44.0956 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ n-Octane: $85000 \text{ {scf/event}} * 0.00535 \text{ {mole fraction}} * 114.2285 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ Isopentane: $85000 \text{ {scf/event}} * 0.004019 \text{ {mole fraction}} * 72.1488 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ Hexane: $85000 \text{ {scf/event}} * 0.004168 \text{ {mole fraction}} * 86.1754 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ n-Nonane: $85000 \text{ {scf/event}} * 0.00134 \text{ {mole fraction}} * 128.2551 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ Isobutane: $85000 \text{ {scf/event}} * 0.005697 \text{ {mole fraction}} * 58.1222 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ Butane: $85000 \text{ {scf/event}} * 0.013855 \text{ {mole fraction}} * 58.1222 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ Nitrogen Oxides: $85000 \text{ {scf/event}} * 1264.44059986563 \text{ {MMbtu/scf}} * 0.138 \text{ {lb/MMbtu}}$ Carbon Monoxide: $85000 \text{ {scf/event}} * 1264.44059986563 \text{ {MMbtu/scf}} * 0.2755 \text{ {lb/MMbtu}}$ Sulfur Dioxide: $85000 \text{ {scf/event}} * 0.005515 \text{ {mole fraction}} * 34.08088 \text{ {lb/lb-mol}} / 379.3 \text{ {scf/lb-mol}} * 64.064 \text{ {lb/lb-mole}} / 34.08088 \text{ {lb/lb-mol}} * 98$ Hydrogen Sulfide: $85000 \text{ {scf/event}} * 0.005515 \text{ {mole fraction}} * 34.08088 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ Ethane: $85000 \text{ {scf/event}} * 0.089404 \text{ {mole fraction}} * 30.069 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ Nitrogen: $85000 \text{ {scf/event}} * 0.017778 \text{ {mole fraction}} * 28.0134 \text{ {lb/lb-mole}} * \{1 - 98\} / 379.3 \text{ {scf/lb-mole}}$ **Violations:****Known or anticipated acute or chronic health risks associated with the emergency:****Medical attention advised for exposed individuals:****Cause of the upset:**

Kristina booster went down. #4 cat went down on a bad vibration switch.

Actions taken to correct the upset and minimize emissions:

Unit was cleared of all alarms and restarted. Other units in the plant were sped up to max speed. A loose wire was found on the vibration switch that needed to be replaced. Once this was done the unit was put back online and the pressure came down, flare valve closed after that.

Precautions taken as a result of the release:

A. AI Number 199	N. Failure Pt No: O. Failure Pt. Description: Flare (Unit 22 USE THIS FOR FLARE REPORTS)				
A. NOx: 14.83 lb	B. SO2: 77.59 lb	C. CO: 29.61 lb	D. PM:	E. VOC: 24.08 lb	F. H2S: 0.84 lb

SERC Email Notification:	henry.jolly@state.nm.us	LEPC Email Notification:	jarmendariz@eddyoem.com
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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

DEFINITIONS

Action 132584

DEFINITIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 132584
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.
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QUESTIONS

Action 132584

QUESTIONS

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QUESTIONS

Prerequisites	
Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	Not answered.
Incident Facility	[fAB1815849907] Artesia Gas Plant

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.	
Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	79
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	1
Oxygen (O2) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

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QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/09/2022
Time vent or flare was discovered or commenced	01:38 PM
Time vent or flare was terminated	03:15 PM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Plant Natural Gas Flared Released: 85 Mcf Recovered: 0 Mcf Lost: 85 Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Unit was cleared of all alarms and restarted. Other units in the plant were sped up to max speed. A loose wire was found on the vibration switch that needed to be replaced.
Steps taken to limit the duration and magnitude of vent or flare	Vibration switch replaced.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Vibration switch replaced.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
☒	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
☒	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☒	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Created By	Condition	Condition Date
rasmalts	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	8/10/2022