



New Mexico Environment Department - Air Quality Bureau
Compliance and Enforcement Section
525 Camino de Los Marquez - Suite 1 - Santa Fe, NM 87505
Phone (505) 476-4300 - Email: nmenv-aqbeer@state.nm.us



Excess Emissions Reporting Form

SECTION 1 - GENERAL INFORMATION

AI Number:	32800	Emission Unit No.:	FL2 (SSM + pilot)
Activity Number:	032800-08092021-02	Emission Unit Desc:	Acid Gas Flare
Facility Name:	Zia II Gas Plant	Release Point No.:	FL2 (SSM + pilot)
Company Name:	DCP Operating Company LP	Release Point Desc.:	Acid Gas Flare
Source Is:	Stationary Source? Yes	Discovery Date/Time:	08/07/2021 16:00
	Portable Source? No	Start Date/Time:	08/07/2021 16:00
Portable Location:	UTM:	End Date/Time:	08/07/2021 18:00
	Lat: Long:	1st Business Day after Discovery:	08/09/2021
Title V Permit No.:	P270-M2	Submission Status:	Initial EER
NSR Permit No.:	PSD5217-M2		

Firstname / Lastname:	Chase	Searcy	Office Phone:	575-391-5794	Extn.:	
E-mail Address:	casearcy@dcpmidstream.com		Cell Phone:			

SECTION II - REPORTING REQ.

Reporting Requirement:

- ☐ 20.2.7 NMAC
☒ 20.2.70 NMAC (Title V)
☐ 40 CFR 60 (NSPS)
☐ 40 CFR 63 (MACT)

SECTION III - EVENT TYPE

<input checked="" type="checkbox"/> Malfunction	SS or SM Notification:	
<input type="checkbox"/> Startup	Date:	
<input type="checkbox"/> Shutdown	Explain:	
<input type="checkbox"/> Emergency	Affirmative Defense Claim:	Yes
<input type="checkbox"/> Scheduled Maintenance	Is EER part of settlement agreement?:	No
<input type="checkbox"/> Other	Settlement Agreement Number:	
<input checked="" type="checkbox"/> Title V Deviation		

SECTION IV - CAUSE AND NATURE OF EVENT

Detailed Description:

SECTION V - STEPS TAKEN TO LIMIT DURATION OF EXCESS EMISSION

Detailed Description:

SECTION VI - CORRECTIVE MEASURES TAKEN

Detailed Description:

SECTION VIII - EXCESS EMISSION DETAIL LINES

Pollutant	Duration of Event (hh:mm)	Emission Limits or Averaging Standards	Averaging Period	Excess Emissions for Event	Number of Exceedences	Average Emission Rate for Averaging Period
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SECTION IX - BASIS OF ESTIMATE

- ☐ Compliance Testing
- ☐ Continuous Emission Monitor
- ☐ Calculation
- ☐ Operating Log(s)
- ☐ Other:

SECTION X - Submission

By clicking on the Certify button, I agree to the following:

After reasonable inquiry, I certify this report as true, accurate and complete.

Reporting Official: Chase Searcy

Title: Operator

Date: 08/09/2021

DCP Midstream Zia Flare 8.7.21 OCD/NMED Calculation/Gas Composition Support Documentation File 1.1.8

Zia II Permit P270-M2

32.64333532, -103.80833456

Conditions A107.A and A107.C

Zia Acid Gas Flare Meter # 728946-00 FL2

MCF 91.3

Event Date (local time)	08/07/21 04:00:00 pm
Reported Date (local time)	08/09/21 08:43:55 am
Discovery Date (local time)	08/07/21 04:00:00 pm
End Date (local time)	08/07/21 06:00:00 pm
Ongoing	No

Event:

C1650 went down on Lube No Flow

Limit:

























Change Lube filter and Purged the system of Air. Then restarted unit to get off Flare

Corrective:

NA

Malfunction

Combustion Emissions	Parameter	Compound	Value
08/07/21 04:00:00 pm - Combustion Product - SO2		Sulfur Dioxide	= 1.071945 lb
08/07/21 04:00:00 pm - Combustion Product - CO		Carbon Monoxide	= 30.994085 lb
08/07/21 04:00:00 pm - Combustion Product - NOx		Nitrogen Oxides	= 5.822697 lb
08/07/21 04:00:00 pm - Combustion Product - NO2		Nitrogen Dioxide	= 0.281135 lb
08/07/21 04:00:00 pm - Combustion Product - NO		Nitric Oxide	= 5.341562 lb
08/07/21 04:00:00 pm - Total Emissions - VOC			= 21.006514 lb

Composition	Parameter	Compound	Value
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Carbon Dioxide	= 2.796907 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Methane	= 59.848813 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Carbon Monoxide	= 0 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Hydrogen Sulfide	= 0.007093 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Hexane	= 1.908953 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Butane	= 1.464953 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Pentane	= 0.495 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Heptane	= 0 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	n-Decane	= 0 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	n-Nonane	= 0 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	n-Octane	= 0 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Nitrogen	= 27.861 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Propane	= 2.212907 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Ethane	= 2.590907 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Isobutane	= 0.375 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Isopentane	= 0.439 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Water	= 0 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Argon	= 0 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Hydrogen	= 0 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Helium	= 0 mol %
	08/07/21 04:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Oxygen	= 0 mol %
	08/07/21 04:00:00 pm - Event Mole% Consistency Check		= 100.000533 mol %
	08/07/21 04:00:00 pm - Gas Volume Flared		= 91,300 scf
	08/07/21 04:00:00 pm - Gas Volume Vented		= 0 scf
BTU Content	Parameter	Compound	Value

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 40700

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785 Action Number: 40700 Action Type: [C-129] Venting and/or Flaring (C-129)
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QUESTIONS

Determination of Reporting Requirements <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was or is this venting or flaring caused by an emergency or malfunction	Yes
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a notification of a major venting or flaring	Yes, minor venting or flaring of natural gas.
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.13.29.7 NMAC.	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
Did this venting or flaring 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

Unregistered Facility Site <i>Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.</i>	
Facility or Site Name	Not answered.
Facility Type	Not answered.

Equipment Involved	
Primary Equipment Involved	Gas Plant
Additional details for Equipment Involved. Please specify	C1650 compressor went down on lube no flow. Changed lube filter and purged the system of air then restarted to eliminate flare. Non SSM event. 91.3 MCF.

Representative Compositional Analysis of Vented or Flared Natural Gas <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	60
Nitrogen (N2) percentage, if greater than one percent	28
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	3
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.

Date(s) and Time(s)	
Date venting or flaring was discovered or commenced	08/07/2021
Time venting or flaring was discovered or commenced	04:00 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	08/07/2021
Time venting or flaring was terminated	06:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	2
Longest duration of cumulative hours within any 24-hour period 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 Spilled: 91 Mcf Recovered: 0 Mcf Lost: 91 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 Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was or is this venting or flaring a result of downstream activity	Not answered.
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

Steps and Actions to Prevent Waste	
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For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Lubricator no flow indicator, shuts unit down. Operations must reactively respond to this.
Steps taken to limit the duration and magnitude of venting or flaring	Change Lube filter and Purged the system of Air. Then restarted unit to get off Flare
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Alternate unit C1600 was available for use while maintenance was being conducted and was not started. Corrective actions include using all available compression to reduce/eliminate flared emissions.

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CONDITIONS

Action 40700

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Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785
	Action Number: 40700
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	8/9/2021