

OCCIDENTAL PERMIAN LTD.

NOT ACCEPTED

Event ID: 109402 **Reporting Employee:** RICHARD ALVARADO
Lease Name: NORTH HOBBS UNIT RCF/WIB **Account Number:** 2415
Equipment: RCF FLARE **NSR Permit Number:** 2656-M5
EPN: RCF - FLR - SSM **Title V Permit Number:**
EPN Name: RCF FLARE SSM EVENTS **Reg Lease Number:**
Flare Point: RCF-FLR-SSM

Explanation of the Cause:

ON OCTOBER 24, 2020 AT APPROXIMATELY 12:47 THE NORTH PLANT EXPERIENCED A FLARING EVENT DUE TO TRAIN A SD ON CYLINDER LUBE NO FLOW LEFT BANK. THE FLARING FOR THIS EVENT CEASED AT ON OCTOBER 24, 2020 AT APPROXIMATELY 1:04 AM.

Event Type

- Malfunction
- Title V Deviation
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Corrective Actions Taken to Minimize Emissions:

OPERATIONS WAS IN CONTACT WITH THE FIELD TO REDUCE EMISSIONS AND ALSO WENT FOR A UNIT STARTUP UNTIL UNIT WAS ONLINE.

Actions taken to prevent recurrence:

OPERATIONS WAS IN CONTACT WITH THE FIELD TO REDUCE EMISSIONS AND ALSO WENT FOR A UNIT STARTUP UNTIL UNIT WAS ONLINE.

Emission Start Date	Emission End Date	Duration
10/24/2020 12:47:00 AM	10/24/2020 1:04:00 AM	0:17 hh:mm

NMED

Pollutant	Duration (hh:mm)	Avging Period	Excess Emission	Number of Exceedances	Permit Limit	Average Emission Rate	Total Pounds	Tons Per Year		
								Total	Next Drop off Date	Date Permit Exceeded
CO	0:17	1	0 LBS	0	152.10	134.43 LBS/HR	38.09	3.913406	10/31/2020	
H2S	0:17	1	0 LBS	0	14.60	8.51 LBS/HR	2.41	0.237771	10/31/2020	
NOX	0:17	1	0 LBS	0	27.10	15.67 LBS/HR	4.44	0.491947	10/31/2020	
SO2	0:17	1	0 LBS	0	1372.10	785.03 LBS/HR	222.42	21.93072	10/31/2020	
VOC	0:17	1	0 LBS	0	216.70	67.83 LBS/HR	19.22	1.895107	10/31/2020	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
171 MCF	202 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Minor release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
202	0.786	H	25	18 S	37 E

Pollutant	Emission rate	Reportable Qty
SO2	222.42 LBS/DAY	500 LBS/DAY
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Reporting Status: Non-reportable

Emissions Calculations:

NOx = MCF flared x NOx factor from RG-109 x BTU/scf x 1000 scf/MCF x MMBTU/1000000 BTU

CO = MCF flared x CO factor from RG-109 x BTU/scf x 1000 scf/MCF x MMBTU/1000000 BTU

Gas was flared to reduce the hydrocarbon and/or H2S emissions to the atmosphere.

NMNE NG = MCF flared x 50 lb/mole x mole/.379 MCF x mol % NMNE NG x 0.02

NMNE NG % = 100% - Methane % - Ethane % - Carbon Dioxide % - Nitrogen %

H2S = MCF flared x 34 lb/mole x mole/.379 MCF x mol % H2S/100 x 0.02

SO2 = MCF flared x 64 lb/mole x mole/.379 MCF x mol % H2S/100 x 0.98