

OCCIDENTAL PERMIAN LTD.

Event ID: 110903
Lease Name: NORTH HOBBS UNIT RCF/WIB
Equipment: RCF FLARE
EPN: RCF - FLR - SSM
EPN Name: RCF FLARE SSM EVENTS
Flare Point: RCF-FLR-SSM

Reporting Employee: RICHARD ALVARADO
Account Number: 2415
NSR Permit Number: 2656-M5
Title V Permit Number:
Reg Lease Number:

NOT ACCEPTED**Explanation of the Cause:**

ON FEBRUARY 14TH AT APPROXIMATELY 4:43 AM THE NORTH PLANT EXPERIENCED A FLARING EVENT DUE TO "F" TRAIN SHUTTING DOWN ON LUBE NO FLOW RIGHT BANK, "E" TRAIN SHUTTING DOWN ON MAIN MOTOR STOP, AND "D" TRAIN SHUTTING DOWN ON LOW LOW SUCTION. FLARING FOR THIS EVENT CEASED ON FEBRUARY 14TH AT APPROXIMATELY 9:10 PM. FLARING WAS INTERMITTENTLY FOR APPROXIMATELY 3 HOURS AND 18 MINUTES.

Corrective Actions Taken to Minimize Emissions:

UNITS WERE LEFT DOWN DUE TO LOW INLET RATES AND NOT NEEDED BECAUSE OF FREEZING AMBIENT TEMPERATURES

Actions taken to prevent recurrence:

UNITS WERE LEFT DOWN DUE TO LOW INLET RATES AND NOT NEEDED BECAUSE OF FREEZING AMBIENT TEMPERATURES

Event Type

Malfunction
 Title V Deviation
 Malfunction
 Title V Deviation
 Malfunction
 Title V Deviation

Emission Start Date	Emission End Date	Duration
2/14/2021 4:43:00 AM	2/14/2021 9:10:00 PM	16:27 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	16:27	1	0 LBS	0	152.10	40.25 LBS/HR	662.13	0.331066	2/17/2021	
H2S	16:27	1	0 LBS	0	14.60	2.53 LBS/HR	41.65	0.020829	2/17/2021	
NOX	16:27	1	0 LBS	0	27.10	4.69 LBS/HR	77.22	0.038612	2/17/2021	
SO2	16:27	1	0 LBS	0	1372.10	233.57 LBS/HR	3842.37	1.921188	2/17/2021	
VOC	16:27	1	0 LBS	0	216.70	20.18 LBS/HR	332.03	0.166016	2/17/2021	

Reporting Status: Non-Reportable**NMOCD**

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
2954 MCF	3497 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
3497	0.786	H	25	18 S	37 E

Pollutant	Emission rate	Reportable Qty
SO2	3842.37 LBS/DAY	500 LBS/DAY
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SO2	3842.37 LBS/DAY	500 LBS/DAY

Reporting Status: 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