

OCCIDENTAL PERMIAN LTD. NOT ACCEPTED

Event ID: 109300	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 26, 2020 AT APPROXIMATELY 03:02 AM THE NORTH PLANT EXPERIENCED A FLARING EVENT DUE TO A-TRAIN SHUTTING DOWN ON LUBE OIL NO FLOW. THE NORTH PLANT THEN LOST E & F TRAINS MULTIPLE TIMES DUE TO CYLINDER LUBE SYSTEM ISSUES. THE FLARING CEASED OCTOBER 26, 2020 AT APPROXIMATELY 07:09 PM.

Event Type

- Malfunction
- Title V Deviation

Corrective Actions Taken to Minimize Emissions:

COMPRESSORS WERE RESTARTED AFTER TIMING OUT, FIELD HCC OPERATOR WAS WORKING ON GETTING THE PLANT OUT OF THE FLARE.

Actions taken to prevent recurrence:

COMPRESSORS WERE RESTARTED AFTER TIMING OUT, FIELD HCC OPERATOR WAS WORKING ON GETTING THE PLANT OUT OF THE FLARE.

Emission Start Date	Emission End Date	Duration
10/26/2020 3:02:00 AM	10/26/2020 7:09:00 PM	16:07 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	16:07	1	0 LBS	0	152.10	92.09	LBS/HR	1484.26	4.636396	10/31/2020	
H2S	16:07	1	0 LBS	0	14.60	6.08	LBS/HR	97.99	0.285564	10/31/2020	
NOX	16:07	1	0 LBS	0	27.10	10.74	LBS/HR	173.11	0.576269	10/31/2020	
SO2	16:07	1	0 LBS	0	1372.10	560.83	LBS/HR	9038.81	26.338917	10/31/2020	
VOC	16:07	1	0 LBS	0	216.70	48.46	LBS/HR	781.07	2.276034	10/31/2020	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
6949 MCF	8093 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
8093	0.786	H	25	18 S	37 E

Pollutant	Emission rate	Reportable Qty
SO2	9038.81 LBS/DAY	500 LBS/DAY
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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