

OCCIDENTAL PERMIAN LTD. NOT ACCEPTED

Event ID: 109303	Reporting Employee: RICHARD ALVARADO
Lease Name: SOUTH HOBBS UNIT RCF	Account Number: 33207
Equipment: Plant Inlet	NSR Permit Number: 5418-R2
EPN: RCF - FLARE - SSM	Title V Permit Number:
EPN Name: RCF flare - SSM	Reg Lease Number:
Flare Point: Plant Inlet	

Explanation of the Cause:

ON OCTOBER 26, 2020 AT APPROXIMATELY 12:01 THE SOUTH PLANT EXPERIENCED A FLARING EVENT DUE TO THE FIELD LOSING AN INJECTION WELL CAUSING A TRAIN TO SHUTDOWN ON HIHI DISCHARGE PRESSURE. THE FLARING CEASED ON OCTOBER 26 AT APPROXIMATELY 12:16 PM.

Event Type

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

OPERATIONS RESET UNIT AND WAITED FOR A START TO GET COMPRESSOR BACK ONLINE.

Actions taken to prevent recurrence:

OPERATIONS RESET UNIT AND WAITED FOR A START TO GET COMPRESSOR BACK ONLINE.

Emission Start Date	Emission End Date	Duration
10/26/2020 12:01:00 PM	10/26/2020 12:16:00 PM	0:15 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	0:15	1	0 LBS	0	168.20	91.35 LBS/HR	22.83	0.011419	12/15/2020	
H2S	0:15	1	0 LBS	0	14.60	5.39 LBS/HR	1.34	0.000674	12/15/2020	
NOX	0:15	1	0 LBS	0	29.70	10.65 LBS/HR	2.66	0.001332	12/15/2020	
SO2	0:15	1	0 LBS	0	1372.10	497.25 LBS/HR	124.31	0.062157	12/15/2020	
VOC	0:15	1	0 LBS	0	195.10	54.2 LBS/HR	13.55	0.006776	12/15/2020	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
120 MCF	140 MCF	RCF flare - SSM	32°40'40.890	103°9'35.360	Minor release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
140	0.626	E	09	19 S	39 E

Pollutant	Emission rate	Reportable Qty
SO2	124.31 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