NRM2032139552

NOT ACCEPTED

OCCIDENTAL PERMIAN LTD.

Event ID: 109400

Lease Name: SOUTH HOBBS UNIT RCF

Equipment: Plant Inlet

EPN: RCF - FLARE - SSM

EPN Name RCF flare - SSM

Flare Point: Plant Inlet

Reporting Employee: RICHARD ALVARADO

Account Number: 33207

NSR Permit Number: 5418-R2

Title V Permit Number:

Reg Lease Number:

Explanation of the Cause:

ON OCTOBER 30, 2020 AT APPROXIMATELY 09:15 AM THE SOUTH HOBBS UNIT EXPERIENCED A FLARING EVENT DUE TO SHUTTING DOWN "A" TRAIN TO REPAIR AN OIL LEAK. FLARING FOR THIS EVENT CEASED ON OCTOBER 30, 2020 AT APPROXIMATELY 9:40 AM.

Event Type

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

Corrective Actions Taken to Minimize Emissions:

DURING THIS TIME THE FIELD HAS REDUCED GAS TO THE PLANT TO REDUCE EMISSIONS.

Actions taken to prevent recurrence:

DURING THIS TIME THE FIELD HAS REDUCED GAS TO THE PLANT TO REDUCE EMISSIONS.

Emission Start Date	Emission End Date	Duration
10/30/2020 9:15:00 AM	10/30/2020 9:40:00 AM	0:25 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	0:25	1	0	LBS	0	168.20	41.54	LBS/HR	17.3	0.008655	12/15/2020	
H2S	0:25	1	0	LBS	0	14.60	1.72	LBS/HR	0.71	0.000359	12/15/2020	
NOX	0:25	1	0	LBS	0	29.70	4.84	LBS/HR	2.01	0.001009	12/15/2020	
SO2	0:25	1	0	LBS	0	1372.10	159.12	LBS/HR	66.3	0.033151	12/15/2020	
VOC	0:25	1	0	LBS	0	195.10	17.34	LBS/HR	7.22	0.003614	12/15/2020	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
64 **MCF**	84 **MCF**	RCF flare - SSM	32°40'40.890	103°9'35.360	Minor release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township		Range	
84	0.626	E	09	19	S	39	E

Pollutant	Emission rate	Reportable Qty
SO2	66.3 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