OCCIDENTAL PERMIAN LTD. NOT ACCEPTED

Event ID: 109406
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 27, 2020 AT APPROXIMATELY 1:32 AM THE NORTH HOBBS PLANT EXPERIENCED A FLARING EVENT DUE TO UNITS SHUTTING DOWN DUE TO FIELD UPSET CAUSING LOWER INLET RATES. THE FLARING FOR THIS EVENT CEASED ON OCTOBER 27, 2020 AT APPROXIMATELY 2:32 WITH INTERMITTENT FLARING.

Event Type

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

Corrective Actions Taken to Minimize Emissions:

OPERATIONS RESET UNITS UNTIL THEY WERE READY TO START.

Actions taken to prevent recurrence:

OPERATIONS RESET UNITS UNTIL THEY WERE READY TO START.

Emission Start Date	Emission End Date	Duration
10/27/2020 1:32:00 AM	10/27/2020 2:32:00 AM	1:00 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	1:00	1	0	LBS	0	152.10	48.2	LBS/HR	48.2	0.024104	10/31/2020	
H2S	1:00	1	0	LBS	0	14.60	3	LBS/HR	3	0.001502	10/31/2020	
NOX	1:00	1	0	LBS	0	27.10	5.62	LBS/HR	5.62	0.002811	10/31/2020	
SO2	1:00	1	0	LBS	0	1372.10	277.05	LBS/HR	277.05	0.138528	10/31/2020	
VOC	1:00	1	0	LBS	0	216.70	23.94	LBS/HR	23.94	0.011971	10/31/2020	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
213 **MCF**	253 **MCF**	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Minor release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township		Range	
253	0.786	H	25	18	S	37	E

Pollutant	Emission rate	Reportable Qty
SO2	277.05 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