

NRM2001341318

OCCIDENTAL PERMIAN LTD.

Event ID: 98788 **Reporting Employee:** CARY, JASON
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 NOVEMBER 18TH 2019 NHURCF FLARED DUE TO HOT VALVES ON C TRAIN. OPERATIONS CHANGED OUT THE VALVES AND PUT C TRAIN BACK ONLINE. FLARING CEASED AT APPROXIMATLY 12:52 PM.

Event Type

Malfunction
Malfunction

Corrective Actions Taken to Minimize Emissions:

OPERATIONS CHANGED OUT THE HOT VALVES AS QUICKLY AND SAFELY AS POSSIBLE TO ELIMINATE THE FLARE.

Actions taken to prevent recurrence:

OPERATIONS CHANGED OUT THE HOT VALVES AS QUICKLY AND SAFELY AS POSSIBLE TO ELIMINATE THE FLARE.

Emission Start Date	Emission End Date	Duration
11/18/2019 11:32:00 AM	11/19/2019 12:52:00 PM	25:20 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	25:20	1	0 LBS	0	152.10	12.94 LBS/HR	327.98	0.163992	11/22/2019	
H2S	25:20	1	0 LBS	0	14.60	0.72 LBS/HR	18.3	0.009152	11/29/2019	
NOX	25:20	1	0 LBS	0	27.10	1.5 LBS/HR	38.25	0.019126	11/22/2019	
SO2	25:20	1	0 LBS	0	1372.10	66.64 LBS/HR	1688.35	0.844178	11/29/2019	
VOC	25:20	1	0 LBS	0	216.70	5.75 LBS/HR	145.89	0.072948	11/29/2019	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
1298 MCF	1604 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
1604	0.786	H	25	18 S	37 E

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