

OCCIDENTAL PERMIAN LTD.

Event ID: 97266 **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:

F TRAIN SHUTDOWN ON LOW SUCTION TEMP AND CYLINDER 1 FAULTY RTD

Event Type

Malfunction
 Malfunction

Corrective Actions Taken to Minimize Emissions:

OPERATIONS IMMEDIATELY STARTED TO ADJUSTED FAN TEMPS AND REPLACED RTD TO GET OUT OF THE FLARE.

Actions taken to prevent recurrence:

OPERATIONS IMMEDIATELY STARTED TO ADJUSTED FAN TEMPS AND REPLACED RTD TO GET OUT OF THE FLARE.

Emission Start Date	Emission End Date	Duration
8/28/2019 11:49:00 AM	8/28/2019 1:06:00 PM	1:17 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	1:17	1	328.86 LBS	2	152.10	408.35 LBS/HR	524.05	7.158533	8/31/2019	
H2S	1:17	1	10.29 LBS	2	14.60	22.62 LBS/HR	29.03	0.486369	8/31/2019	
NOX	1:17	1	26.34 LBS	2	27.10	47.62 LBS/HR	61.12	0.906869	8/31/2019	
SO2	1:17	1	917.04 LBS	2	1372.10	2086.67 LBS/HR	2677.9	44.860388	8/31/2019	
VOC	1:17	1	0 LBS	0	216.70	180.31 LBS/HR	231.4	4.125936	8/31/2019	

Reporting Status: Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
2058.76 MCF	2551.11 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
2551.11	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