

OCCIDENTAL PERMIAN LTD.

Event ID: 92304 **Reporting Employee:** TONY AGUILAR
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:

FLARED INTERMITTENTLY WHEN A-TRAIN WENT DOWN FOR REPLACEMENT OF PACKING WATER PUMP. E-TRAIN WAS TAKEN DOWN FOR PM WORK. D-TRAIN SHUTDOWN ON LL PACKING WATER PRESSURE, PUMP WAS TRIPPED AT BREAKER.

Event Type

Malfunction
Malfunction

Corrective Actions Taken to Minimize Emissions:

A & D-TRAINS WERE RESTARTED AND E-TRAIN IS STILL DOWN FOR PM WORK-ONGOING.

Actions taken to prevent recurrence:

A & D-TRAINS WERE RESTARTED AND E-TRAIN IS STILL DOWN FOR PM WORK-ONGOING.

Emission Start Date	Emission End Date	Duration
2/20/2019 11:50:00 AM	2/20/2019 5:24:00 PM	5:34 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	5:34	1	0 LBS	0	152.10	38.14 LBS/HR	212.35	0.106177	2/24/2019	
H2S	5:34	1	0 LBS	0	14.60	2.1 LBS/HR	11.73	0.005867	2/24/2019	
NOX	5:34	1	0 LBS	0	27.10	4.44 LBS/HR	24.76	0.012384	2/24/2019	
SO2	5:34	1	0 LBS	0	1372.10	194.4 LBS/HR	1082.21	0.541106	2/24/2019	
VOC	5:34	1	0 LBS	0	216.70	16.79 LBS/HR	93.51	0.046759	2/24/2019	

Reporting Status: Non-Reportable

NMOC

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
832 MCF	1032 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
1032	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