

OCCIDENTAL PERMIAN LTD.

Event ID: 94399 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 + MALF Title V Permit Number:
 EPN Name FACILITY WIDE MALFUNCTIONS Reg Lease Number:
 Flare Point: RCF-FLR-MALF

Explanation of the Cause:

PLANT SHUTDOWN DUE TO STORM

Event Type

Malfunction
 Malfunction

Corrective Actions Taken to Minimize Emissions:

OXY IMMEDIATELY BROUGHT THE PLANT BACK ONLINE WHEN POWER WAS RESTORED.

Actions taken to prevent recurrence:

OXY IMMEDIATELY BROUGHT THE PLANT BACK ONLINE WHEN POWER WAS RESTORED.

Emission Start Date	Emission End Date	Duration
6/5/2019 5:45:00 PM	6/5/2019 7:17:00 PM	1:32 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	1:32	1	603 LBS	2	152.10	545.36 LBS/HR	836.22	0.418114	7/2/2019	
H2S	1:32	1	21.14 LBS	2	14.60	28.39 LBS/HR	43.53	0.021767	7/2/2019	
NOX	1:32	1	55.97 LBS	2	27.10	63.6 LBS/HR	97.52	0.048765	7/2/2019	
SO2	1:32	1	1911.48 LBS	2	1372.10	2618.72 LBS/HR	4015.37	2.007687	7/2/2019	
VOC	1:32	1	14.7 LBS	2	216.70	226.29 LBS/HR	346.98	0.173491	7/2/2019	

Reporting Status: Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
3087 MCF	3917 MCF	FACILITY WIDE MALFUNCTI	32°43'14.96"	103°11'59.65"	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township	Range
3917	0.786				

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