OCCIDENTAL PERMIAN LTD.

Event ID: 96822
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:

C TRAIN SHUT DOWN ON CYLINDER LUBE NO FLOW. OPERATIONS IMMEDIATELY MADE REPAIRS AND GOT OUT OF THE FLARE.

Event Type

Malfunction
Malfunction
Malfunction

Corrective Actions Taken to Minimize Emissions:

OPERATIONS IMMEDIATELY MADE REPAIRS AND GOT OUT OF THE FLARE.

Actions taken to prevent recurrence:

OPERATIONS IMMEDIATELY MADE REPAIRS AND GOT OUT OF THE FLARE.

Emission Start Date	Emission End Date	Duration
8/5/2019 7:51:00 PM	8/5/2019 8:15:00 PM	0:24 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	0:24	1	0	LBS	0	152.10	196.19	LBS/HR	78.47	0.039238	8/13/2019	
H2S	0:24	1	0	LBS	0	14.60	11.14	LBS/HR	4.45	0.002228	8/13/2019	
NOX	0:24	1	0	LBS	0	27.10	22.88	LBS/HR	9.15	0.004576	8/13/2019	
SO2	0:24	1	0	LBS	0	1372.10	1027.58	LBS/HR	411.03	0.205516	8/13/2019	
VOC	0:24	1	0	LBS	0	216.70	88.79	LBS/HR	35.51	0.017759	8/13/2019	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
316 MCF	388 MCF	RCF FLARE SSM EVENTS	32°43'14.96"	103°11'59.65"	Minor release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township		Range	
388	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