OCCIDENTAL PERMIAN LTD.

Event ID: 92399
Reporting Employee: TONY AGUILAR
Lease Name: SOUTH HOBBS UNIT RCF
Account Number: 33207
Equipment: Plant Inlet
NSR Permit Number: 5418-R2
EPN: RCF - FLARE - SSM
Title V Permit Number:
EPN Name RCF flare - SSM
Reg Lease Number:
Flare Point: Plant Inlet

Explanation of the Cause:

FLARED INTERMITTENLY WHEN A-TRAIN WENT DOWN ON LL SUCTION. LOST A-TRAIN AGAIN ON THROW #4 VIBRATION HH. B-TRAIN WENT DOWN DUE TO 2ND STAGE DISCHARGE PRESSURE HH BLOW DOWN UNIT.

Event Type

Malfunction
Malfunction
Malfunction

Corrective Actions Taken to Minimize Emissions:

REPLACED TRANSMITTER ON A-TRAIN AND RESTARTED AND RESTARTED B-TRAIN.

Actions taken to prevent recurrence:

REPLACED TRANSMITTER ON A-TRAIN AND RESTARTED AND RESTARTED B-TRAIN.

Emission Start Date	Emission End Date	Duration
2/27/2019 8:22:00 AM	2/27/2019 11:58:00 AM	3:36 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	3:36	1	0	LBS	0	168.20	62.01	LBS/HR	223.23	0.111618	3/7/2019	
H2S	3:36	1	0	LBS	0	14.60	6.7	LBS/HR	24.14	0.012074	3/7/2019	
NOX	3:36	1	0	LBS	0	29.70	7.23	LBS/HR	26.03	0.013018	3/7/2019	
SO2	3:36	1	0	LBS	0	1372.10	618.69	LBS/HR	2227.3	1.113652	3/7/2019	
VOC	3:36	1	0	LBS	0	195.10	67.44	LBS/HR	242.79	0.121398	3/7/2019	

Reporting Status: Non-Reportable

NMOCD

Flare Stream Total	Total MCF	EPN	Latitude	Longitude	Reporting Status
2150 MCF	2170 MCF	RCF flare - SSM	32°40'40.890	103°9'35.360	Major Release

LEPC

Total MCF	H2S %	Unit Letter	Section	Township		Range	
2170	0.626	E	09	19	S	39	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