# OCCIDENTAL PERMIAN LTD. NOT ACCEPTED

**Event ID:** 109408
**Reporting Employee:** RICHARD ALVARADO
**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:**

ON OCTOBER 29, 2020 AT APPROXIMATELY 8:24 AM THE NORTH HOBBS PLANT EXPERIENCED INTERMITTENT FLARING DUE TO "E" TRAIN SHUTTING DOWN FOR REPAIRS TO CYLINDER LUBE AND CYLIINDER PACKING LEAK. ON OCTOBER 29, 2020 FLARING CEASED AT APPROXIMATELY 10:39 AM.

**Event Type**

Malfunction
Title V Deviation
Malfunction
Title V Deviation
Malfunction
Title V Deviation

**Corrective Actions Taken to Minimize Emissions:**

OPERATIONS WORKED WITH FIELD PERSONNEL ON REDUCING INLET GAS TO REDUCE EMISSIONS.

**Actions taken to prevent recurrence:**

OPERATIONS WORKED WITH FIELD PERSONNEL ON REDUCING INLET GAS TO REDUCE EMISSIONS.

| Emission Start Date | Emission End Date | Duration |
|---|---|---|
| 10/29/2020 8:24:00 AM | 10/29/2020 10:39:00 AM | 2:15 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 | 2:15 | 1 | 0 | LBS | 0 | 152.10 | 13.22 | LBS/HR | 29.74 | 0.014873 | 10/31/2020 | |
| H2S | 2:15 | 1 | 0 | LBS | 0 | 14.60 | 0.81 | LBS/HR | 1.83 | 0.000917 | 10/31/2020 | |
| NOX | 2:15 | 1 | 0 | LBS | 0 | 27.10 | 1.54 | LBS/HR | 3.46 | 0.001735 | 10/31/2020 | |
| SO2 | 2:15 | 1 | 0 | LBS | 0 | 1372.10 | 75.15 | LBS/HR | 169.09 | 0.084548 | 10/31/2020 | |
| VOC | 2:15 | 1 | 0 | LBS | 0 | 216.70 | 6.49 | LBS/HR | 14.61 | 0.007306 | 10/31/2020 | |

**Reporting Status:** Non-Reportable

## NMOCD

| Flare Stream Total | Total MCF | EPN | Latitude | Longitude | Reporting Status |
|---|---|---|---|---|---|
| 130 **MCF** | 155 **MCF** | RCF FLARE SSM EVENTS | 32°43'14.96" | 103°11'59.65" | Minor release |

## LEPC

| Total MCF | H2S % | Unit Letter | Section | Township | | Range | |
|---|---|---|---|---|---|---|---|
| 155 | 0.786 | H | 25 | 18 | S | 37 | E |

| Pollutant | Emission rate | Reportable Qty |
|---|---|---|
| SO2 | 169.09 LBS/DAY | 500 LBS/DAY |
| SO2 | 169.09 LBS/DAY | 500 LBS/DAY |
| SO2 | 169.09 LBS/DAY | 500 LBS/DAY |

**Reporting Status:** Non-reportable

**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**