

Air Emission Event Report Database Incident 463229

Incident Tracking Number:	463229	Incident Status:	OPEN			
Report Type:	FINAL	Report Date:	08/18/2026			
Name of Owner or Operator:	WESTERN REFINING COMPANY LLC	CN:	CN601510191			
Regulated Entity Name:	MARATHON EL PASO REFINERY	RN:	RN100213016			
Physical Location:	6501 TROWBRIDGE DR; EL PASO, TX 79905					
County:	EL PASO					
Event/Activity Type:	EMISSIONS EVENT					
Date and Time Event Discovered or Scheduled Activity Start:	08/04/2026 07:47 PM					
Date and Time Event or Scheduled Activity Ended:	08/07/2026 03:55 PM					
Event Duration:	68 hours, 8 minutes					
Process Unit or Area Common Names						
Fluid Catalytic Cracker						
Facility Common Name		Facility Identification Number (FIN)				
FCCU/WGS		111				
South Main Flare		112				
1 - Emission Point Common Name:		Emission Point Number:				
FCCU/WGS		111				
List of Air Contaminant Compounds - 9 total						
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization	
Carbon Monoxide	3591.74	POUNDS	58.88	LBS/HR	18897	
Hydrogen cyanide	230.02	POUNDS	8.71	LBS/HR	18897	
Nitrogen Oxides	1058.09	POUNDS	74.41	LBS/HR	18897	
Particulate Matter	188.66	POUNDS	24.0	LBS/HR	18897	
PM10	179.22	POUNDS	24.0	LBS/HR	18897	
PM2.5	175.45	POUNDS	24.0	LBS/HR	18897	
Sulfur dioxide	502.64	POUNDS	33.65	LBS/HR	18897	
Sulfuric acid	7.45	POUNDS	3.96	LBS/HR	18897	
VOC (unclassified)	23.27	POUNDS	3.57	LBS/HR	18897	
2 - Emission Point Common Name:		Emission Point Number:				
South Main Flare		112				
List of Air Contaminant Compounds - 11 total						
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization	
Carbon Monoxide	267.76	POUNDS	0.24	LBS/HR	18897	
Ethylene (gaseous)	8.01	POUNDS	0.43	LBS/HR	18897	
Hydrogen Sulfide	11.74	POUNDS	0.0		18897	
Isobutane	114.33	POUNDS	0.43	LBS/HR	18897	
n-butane	34.5	POUNDS	0.43	LBS/HR	18897	
Nitrogen Oxides (NOx)	39.12	POUNDS	0.05	LBS/HR	18897	
olefins	49.91	POUNDS	0.43	LBS/HR	18897	
Pentane Plus	59.88	POUNDS	0.43	LBS/HR	18897	
Propane	31.12	POUNDS	0.43	LBS/HR	18897	

Propylene	100.79	POUNDS	0.43	LBS/HR	18897
Sulfur dioxide	1094.65	POUNDS	0.01	LBS/HR	18897
Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:					
The investigation into the incident is ongoing but preliminary findings indicate that on August 4, 2026, an electrical issue caused the Fluid Catalytic Cracker (FCC) charge pumps to trip, resulting in a shutdown of the FCC and other process units. From August 4, 2026, to August 7, 2026, intermittent flaring occurred due to the restart of the FCC and related process units. During the FCC restart, the unit experienced upset conditions that necessitated extended flaring to maintain safe operation, leading to the exceedance of the RQ for SO₂.					
Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:					
During the restart activities, abnormal process conditions were identified that required the FCC to be idled in accordance with operating procedures. To minimize emissions, all routine sources of venting to the flare gas recovery system were reduced. Additionally, sulfur scavenger material was injected into the flare header to decrease SO₂ emissions. The flare was operated to ensure maximum destruction and removal efficiency by maintaining proper combustion. The investigation into the incident is ongoing, and further recommendations for improvements may be identified.					
Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:					
The estimated emissions are based on the refinery's continuous emission monitoring systems (CEMS), continuous parametric monitoring systems (CPMS), and engineering calculations. Flaring was not continuous during the entire reported duration. Most of the emissions from this incident occurred on August 5, 2026, though brief, intermittent flaring instances associated with unit restarts occurred through August 7, 2026. The last instance of flaring occurred on August 7 and lasted only 24 minutes, resulting in 59 pounds of SO₂ emissions and visible emissions for 4 minutes. Lastly, the emissions in this report reflect total mass emissions, in pounds, at the source (South Main Flare and FCC Wet Gas Scrubber) and do not reflect ground-level concentrations at or beyond the facility fence line, which are indicative of community exposure. In response to this emissions event, Marathon deployed its Air Monitoring Team to compare ambient readings against community exposure guidelines derived from the American Industrial Hygiene Association (AIHA) and EPA. Monitoring continued through August 10, 2026, and the results indicated that air quality levels were below established community exposure guidelines.					
Initial Notification Date/Time:		08/05/2026 05:34 PM		Method:	STEERS
Notification Jurisdictions:		REGION 06 - EL PASO			
Publication Status:		VERIFIED BY A CUSTOMER			