



Section I - South Coast AQMD LAER/BACT Determination

Source Type: **Major/LAER**
 Application No.: **477619/496862**
 Equipment Category: **Fugitive VOC Emission Sources**
 Equipment Subcategory: **Petroleum Refineries**
 Date: **February 2, 2024**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: N/A	B. MODEL: N/A		
C. DESCRIPTION: All fugitive components in VOC service (liquid with greater than 10% VOC by weight) in Naphtha Hydrodesulfurization Unit, except for pumps, compressors, and drains.			
D. FUNCTION: Petroleum refining process unit.			
E. SIZE/DIMENSIONS/CAPACITY: N/A			
COMBUSTION SOURCES			
F. MAXIMUM HEAT INPUT: N/A			
G. BURNER INFORMATION:			
TYPE	INDIVIDUAL HEAT INPUT	NUMBER	
N/A	N/A	N/A	
H. PRIMARY FUEL: N/A	I. OTHER FUEL: N/A		
J. OPERATING SCHEDULE:	24 HRS/DAY	7 DAYS/WEEK	52 WKS/YEAR
K. EQUIPMENT COST: N/A			
L. EQUIPMENT INFORMATION COMMENTS: N/A			

2. COMPANY INFORMATION

A. COMPANY: Paramount Petroleum Corporation	B. FAC ID: 800183
C. ADDRESS: 14700 Downey Ave. CITY: Paramount STATE: CA ZIP: 90723	D. NAICS CODE: 325199
E. CONTACT PERSON: Kathryn Gleeson	F. TITLE: Manager Env. Compliance
G. PHONE NO.: (562) 748-4613	H. EMAIL: kgleeson@worldenergy.net

3. PERMIT INFORMATION

A. AGENCY: South Coast AQMD	B. APPLICATION TYPE: MODIFICATION
C. SCAQMD ENGINEER: Connie Yee	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 7/25/08 P/O NO.: N/A PO ISSUANCE DATE: *	
E. START-UP DATE: See Section F.	
F. OPERATIONAL TIME: + 10 years *Permit to Operate, G24624, issued under subsequent A/N 496862 on May 2013.	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES: -						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit	200 PPMV*					
Averaging Time						
Correction						
B. OTHER BACT REQUIREMENTS: * This requirement applies to components in gas/vapor and light liquid service, except for pumps, compressors, and drains.						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS: Condition S4.2) All new components in VOC services except for pumps, compressors, and drains, a leak* greater than 200 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173. *200 ppm Total Organic Compounds						

5. CONTROL TECHNOLOGY

A. MANUFACTURER: N/A		B. MODEL: N/A	
C. DESCRIPTION: Condition S31.3) The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by Naphtha Hydrodesulfurization Unit: All open-ended lines shall be equipped with cap, blind flange, plug, or a second valve. All pressure relief valves shall be connected to a closed vent system. All new light liquid pumps shall utilize double seals. All compressors shall be equipped with a seal system with a higher-pressure barrier fluid. All new valves in VOC services, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, in the following applications: heavy liquid services, control valve, instrument piping/tubing, application requiring torsional valve stem motion, applications where valve failure could pose safety hazard, retrofits/special applications with space limitation, and valve not commercially available.			
D. SIZE/DIMENSIONS/CAPACITY: N/A			
E. CONTROL EQUIPMENT PERMIT INFORMATION: N/A APPLICATION NO.: - PC ISSUANCE DATE: - PO NO.: - PO ISSUANCE DATE: -			
F. REQUIRED CONTROL EFFICIENCIES: N/A			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	___%	___%	___%
NO _x	___%	___%	___%
SO _x	___%	___%	___%
CO	___%	___%	___%
PM	___%	___%	___%
PM ₁₀	___%	___%	___%
INORGANIC	___%	___%	___%
G. CONTROL TECHNOLOGY COMMENTS: N/A			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Monthly or quarterly inspection (see Section 6.H).
B. DATE(S) OF SOURCE TEST: -
C. COLLECTION EFFICIENCY METHOD: -
D. COLLECTION EFFICIENCY PARAMETERS: -
E. SOURCE TEST/PERFORMANCE DATA: Reports of the components inspected in the 3 rd and 4 th quarter of 2022.

F. TEST OPERATING PARAMETERS AND CONDITIONS: -
G. TEST METHODS (SPECIFY AGENCY): EPA Method 21
H. MONITORING AND TESTING REQUIREMENTS: Condition S31.3) All new components in VOC services as defined in Rule 1173, except valves and flanges shall be inspected quarterly using EPA reference Method 21. All new valves and flanges in VOC services except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21.
I. DEMONSTRATION OF COMPLIANCE COMMENTS: Condition S31.3) The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least five years and shall be made available to Executive Officer of his authorized representatives upon request.

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT: 000528	B. CCAT: -	C. APPLICATION TYPE CODE: 50	
D. RECLAIM FAC? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S): N/A	
G. SCAQMD SOURCE SPECIFIC RULES: Rule 1173			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR: -	H2. MICR DATE: -	H3. CANCER BURDEN: -	H4. CB DATE: -
H5: HIA: -	H6. HIA DATE: -	H7. HIC: -	H8. HIC DATE: -