



**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD. LLC BP CARSON REF.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS
The operator shall comply with the terms and conditions set forth below:

PROCESS 16		SYSTEM 2		
PETROLEUM STORAGE TANKS		FLOATING ROOF TANKS		
<i>[EXISTING EQUIPMENT]</i>		System Conditions: S13.3		
Equipment	ID No.	Connected To	Emissions and Requirements	Conditions
<p>STORAGE TANK, INTERNAL FLOATING ROOF, NO. 14, GASOLINE, SOUR NAPHTHA, ISOCTANE, ALKYLATE, & TOLUENE, <u>GAS OIL</u>, <u>UNTREATED WASTEWATER</u>, 360000 BBL, DIAMETER: 200 FT, HEIGHT: 64 FT, WITH A/N 414400 <u>513832</u></p> <p>FLOATING ROOF, PONTOON, WELDED SHELL</p> <p>PRIMARY SEAL, CATEGORY A, METALLIC SHOE</p> <p>SECONDARY SEAL, CATEGORY A, RIM MOUNTED</p> <p><u>GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER, POLE SLEEVE AND POLE WIPER</u></p>	D1150		<p>HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]; <u>BENZENE: (10)</u> [40CFR61 SubpartFF_02, 12-4,2003]</p>	<p>C1.10, C6.1, E71.16, E193.10, <u>H23.12,</u> H23.25</p>



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S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	1178

[RULE 1149, 5-2-2008; **RULE 1178, 4-7-2006; RULE 463, 5-6-2005**]

[System subject to this condition: Process 16, System 2]

C1.10 The operator shall limit the throughput to no more than 6.08e+05 barrel(s) in any one calendar month.

~~The operator shall install and maintain a gauging system to continuously monitor and record the liquid level in this tank.~~

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times D \times D \times H$, where D is the diameter of the tank in feet based on the tank strapping chart and H is the total vertical one-way roof travel in feet per month. ~~Records of gauge levels and throughput shall be maintained in a manner approved by the District and made available to the District personnel upon request.~~

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once every 15 minutes.

The operator shall calculate the total one-way roof movement, in feet, on a monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 15 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 15 days of the time that the



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ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition: D1150]

C6.1 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use an explosimeter to measure the Lower Explosive Limit (LEL) in the vapor space above the internal floating deck on a semiannual basis.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[**RULE 1178, 4-7-2006; RULE 463, 5-6-2005**]

[Devices subject to this condition: D1150]

E71.16 The operator shall not use this equipment to store sour naphtha containing 50 ppm by volume (22 ppm by weight) or more H₂S, nor having a total true vapor pressure of 11 psia or greater under actual operating conditions. The operator shall, at least once a week, sample and test for H₂S concentration and vapor pressure of the storage materials using test methods specified in Rule 463 or alternative methods approved in writing by the District. Records of sampling, storage temperature, and test result shall be maintained for at least five years.

[**RULE 463, 5-6-2005; RULE 1401, 2-7-2003**]

[Devices subject to this condition : D1150]

E193.10 The operator shall construct, operate, and maintain this equipment according to the following specifications:



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This tank shall be equipped with a fixed self-supporting roof with an internal floating deck ~~with no guide poles~~. All rim vents shall be closed with a weighted mechanical actuation cover. This tank shall be equipped with a rim seal system consisting of a primary seal and a secondary seal meeting the specifications listed in Rule 1178(d) (1)(B).

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Devices subject to this condition : D1150]

H23.12 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
BENZENE	40CFR61, SUBPART	FF

[40CFR 61 Subpart FF, 12-4-2003]

[Devices subject to this condition : D1150]

H23.25 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	CC
VOC	District Rule	463
VOC	District Rule	1178
VOC	District Rule	1149
VOC	40CFR60, SUBPART	Kb

[**RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005; 40CFR 60 Subpart Kb, 10-15-2003; 40CFR 63 Subpart CC, 6-23-2003**]

[Devices subject to this condition : D1150]