



**FACILITY PERMIT TO OPERATE
PHILLIPS 66 COMPANY/LOS ANGELES REFINERY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Conn To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 10 : STORAGE TANKS					P13.2
System 7 : DOMED EXTERNAL FLOATING ROOF TANKS					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 2640, CRUDE OIL, WELDED SHELL, 615000 BBL; DIAMETER: 260 FT; HEIGHT: 65 FT WITH A/N: 544857 DOME COVER, GEODESIC FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	Dccc			HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]	C1.xb, E193.x, H23.17
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 2643, WASTEWATER, WELDED SHELL, 14000 BBL; DIAMETER: 44 FT; HEIGHT: 51 FT 7 IN WITH A/N: 544859 DOME COVER, GEODESIC FLOATING ROOF, DOUBLE DECK PRIMARY SEAL, CATEGORY A METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	Dddd			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	C1.xc, E193.x, H23.17

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX – Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



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Equipment	ID No.	Conn To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. R-510, CRUDE OIL, WELDED, WITH TWO MIXERS, 320000 BBL; DIAMETER: 218 FT; HEIGHT: 50 FT WITH A/N: 544860 DOME COVER, GEODESIC FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, , SHOE MOUNTED CATEGORY B OR BETTER, WIPER TYPE GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D394			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	<u>C1.xa,</u> <u>E193.x,</u> H23.4
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. R-511, CRUDE OIL, WELDED, WITH TWO MIXERS, 320000 BBL; DIAMETER: 218 FT; HEIGHT: 50 FT WITH A/N: 544861 DOME COVER, GEODESIC FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, SHOE MOUNTED CATEGORY B OR BETTER, WIPER TYPE GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, UNSLOTTED	D395			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	<u>C1.xa,</u> <u>E193.x,</u> H23.4

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The operator shall comply with the terms and conditions set forth below:

PROCESS CONDITIONS

P13.2 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR61, SUBPART	FF

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

[Processes subject to this condition : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

DEVICE CONDITIONS

C1.xa The operator shall limit the throughput to no more than 1.52 million barrel(s) in any one calendar month.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times d \times d \times l$, where d is the diameter of the tank in feet based on the tank strapping chart and l is the total vertical one-way roof travel in feet per month.

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 per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and 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 10 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 10 days of the time that the 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 time that the ATLG went out of service.

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX – Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



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The operator shall comply with the terms and conditions set forth below:

The operator shall keep adequate records to show compliance with the limitations specified in this permit. Such records shall be maintained and kept on file for at least two years and shall be made available to the executive officer or his authorized representative upon request.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D394, D395]

C1.xb The operator shall limit the throughput to no more than 2.5 million barrel(s) in any one calendar month.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times d \times d \times l$, where d is the diameter of the tank in feet based on the tank strapping chart and l is the total vertical one-way roof travel in feet per month.

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 per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and 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 10 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 10 days of the time that the 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 time that the ATLG went out of service.

The operator shall keep adequate records to show compliance with the limitations specified in this permit. Such records shall be maintained and kept on file for at least two years and shall be made available to the executive officer or his authorized representative upon request.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : Dccc]

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX – Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



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The operator shall comply with the terms and conditions set forth below:

C1.xc The operator shall limit the throughput to no more than 64,000 barrel(s) in any one calendar month.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times d \times d \times l$, where d is the diameter of the tank in feet based on the tank strapping chart and l is the total vertical one-way roof travel in feet per month.

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 per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and 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 10 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 10 days of the time that the 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 time that the ATLG went out of service.

The operator shall keep adequate records to show compliance with the limitations specified in this permit. Such records shall be maintained and kept on file for at least two years and shall be made available to the executive officer or his authorized representative upon request.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; **RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : Dddd]

E193.x The operator shall install this equipment according to the following specifications:

The operator shall not use this equipment with materials having a Reid vapor pressure of 11 psia or greater.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; **RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : Dccc, Dddd, D394, D395]

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX – Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



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The operator shall comply with the terms and conditions set forth below:

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	K

[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; 40CFR 60 Subpart K, 10-17-2000]

[Devices subject to this condition : D394, D395, D396, D397]

H23.17 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	40CFR60, SUBPART	Kb

[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; 40CFR 60 Subpart Kb, 10-15-2003]

[Devices subject to this condition : Dccc, Dddd]

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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans, with the following exceptions:

- a. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) which become effective after December 31, 1993.
- b. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) after the facility has received final certification of all monitoring and reporting requirements specified in Section F and Section G.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
539607	2002
539609	1123
539610	1176
539611	63SubpartUUU
539616	1173
539618	1118
550633	1166

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