



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Section H	Page:
Facility I.D.:	171107
Revision #:	draft
Date:	draft

**FACILITY PERMIT TO OPERATE
PHILLIPS 66 COMPANY**

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.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 11: LOADING/UNLOADING					
System 1: PROPANE/BUTANE/PENTANES					S15.2, S15.6, S31.6
LOADING AND UNLOADING ARM, TANK CAR, C3, C4 AND C5, 8 TOTAL; DIAMETER: 4 IN A/N: 547792 Permit to Construct Issued: tbd	D458	D1673		VOC: 0.08 LBS/1000 GAL ORGANIC LIQUID (5) [RULE 462, 5-14-1999]	C1.52, C1.55
LOADING AND UNLOADING ARM, TANK CAR, BUTANE/BUTENE, 2 TOTAL; DIAMETER: 4 IN A/N: 547792 Permit to Construct Issued: tbd	D459	D1673		VOC: 0.08 LBS/1000 GAL ORGANIC LIQUID (5) [RULE 462, 5-14-1999]	C1.53, C1.56

- * (1)(1A)(1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS, NESHAPS, etc.)
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator



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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
VESSEL, DEPRESSURING, F-114, VENTED TO REFINERY VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT; DIAMETER: 2 FT A/N: 547792 Permit to Construct Issued: tbd	D1673	D458 D459 D709			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 547792 Permit to Construct Issued: tbd	D1605				H23.2

- * (1)(1A)(1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS, NESHAPS, etc.)
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator



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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

[40CFR61 Subpart FF, 12-4-2003]

[Processes subject to this condition: 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14]

SYSTEM CONDITIONS

S15.2 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to a vapor recovery system or and blowdown flare system except Devices IDs D1, D7, D210, D213, D214, D219, D644, D645, D646, D773, D775 TO D785, D1367, D1370, D1673 that vent to the atmosphere and Device ID D772 that normally vents to heater D1349 when hydrogen is being produced and vents to atmosphere when hydrogen is not produced.

This process/system shall not be operated unless the above air pollution control equipment is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition: Process 1, System 1, 2; Process 2, System 1, 2, 3, 4, 5; Process 3, System 1, 3; Process 4, System 1, 2; Process 5, System 1; Process 6, System1; Process 8, System 1, 2; Process 11, System 1; Process 13, System 4, 6; Process 18, System 1, 2]



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

S15.6 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to a flare gas recovery system.

This process/system shall not be operated unless the above air pollution control equipment is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition: Process 11, System 1; Process 13, System 4, 6]

S31.6 THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH THE DEVICES THAT ARE COVERED BY APPLICATION NUMBER(S) 547792:

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 valves in VOC service, 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 service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard, retrofits/special applications with space limitations, and valves not commercially available.



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

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

All new components in VOC service 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 service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21. If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous liquid organic compounds at a rate more than 500 ppm.

All new components in VOC service, a leak greater than 500 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 7 calendar days of detection or pursuant to Rule 1173 repair period, whichever is more stringent.



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

The operator shall provide to the District, no later than 90 days after initial startup:

- a) A recalculation of the fugitive emissions based on actual components installed and removed from service. The valves and flanges shall be categorized by size and service. The operator shall submit a listing of all new non-bellows seal valves which shall be categorized by tag no., size, type, application, and reasons why bellows seal valves were not used; and
- b) A complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers.

Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

[RULE 1303(a)(1)-BACT, 5-10-1996; 1303(a)(1)-BACT, 12-6, 2002]

[Systems subject to this condition : Process 3, System 1]

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C1.52 The operator shall limit the unloading rate to no more than 360000 barrel(s) in any one calendar month.

This limit shall be based on the total combined limit for equipment D458.



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

[RULE 1303(b)(2)-Offset, 5-10-1996]
[Devices subject to this condition: D458]

C1.53 The operator shall limit the unloading rate to no more than 165000 barrel(s) in any one calendar month.

This limit shall be based on the total combined limit for equipment D459.

[RULE 1303(b)(2)-Offset, 5-10-1996]
[Devices subject to this condition: D459]

C1.55 The operator shall limit the loading rate to no more than 360000 barrel(s) in any one calendar month.

This limit shall be based on the total combined limit for equipment D458.

[RULE 1303(b)(2)-Offset, 5-10-1996]
[Devices subject to this condition: D458]

C1.56
The operator shall limit the loading rate to no more than 165000 barrel(s) in any one calendar month.

This limit shall be based on the total combined limit for equipment D459.

[RULE 1303(b)(2)-Offset, 5-10-1996]
[Devices subject to this condition: D459]

H. Applicable Rules



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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[RULE 1173, 5-13, 1994; RULE 1173, 6-1, 2007]

[Devices subject to this condition: D872, D1310, D1312, D1314, D1317, D1318, D1319, D1321, D1323, D1325, D1331, D1333, D1334, D1336, D1337, D1338, D1339, D1340, D1341, D1343, D1344, D1345, D1346, D1347, D1348, D1354, D1355, D1357, D1358, D1365, D1366, D1367, D1368, D1369, D1370, D1418, D1442]