



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 17: AIR POLLUTION CONTROL (FLARES)					
System 7: VAPOR RECOVERY SYSTEM (SOUTH)					
COMPRESSOR, GB-152, WITH 400-HP MOTOR A/N: 536443 Permit to Construct Issued: TBD	C733				S13.6, S13.13, S15.16, S18.2, S18.10, S31.3
POT, DRAIN, F-1A, SOUTH RECOVERY SYSTEM, LENGTH: 12 FT; DIAMETER: 4 FT A/N: 536443 Permit to Construct Issued: TBD	D834				
POT, DRAIN, F-1B, SOUTH RECOVERY SYSTEM, LENGTH: 12 FT; DIAMETER: 4 FT A/N: 536443 Permit to Construct Issued: TBD	D835				

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



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
POT, DRAIN, F-1C, SOUTH RECOVERY SYSTEM, LENGTH 8 FT, DIAMETER: 3FT A/N: 536443 Permit to Construct Issued: TBD	D1832				
KNOCK OUT POT, F-155, SOUTH RECOVERY SYSTEM, LENGTH: 40 FT; DIAMETER: 13 FT 6 IN A/N: 536443 Permit to Construct Issued: TBD	D837				
KNOCK OUT POT, F-152, HEIGHT: 5FT ; DIAMETER: 1 FT 6 IN A/N: 536443 Permit to Construct Issued: TBD	D726				
POT, DRAIN, F-1, HEIGHT: 8 FT ; DIAMETER: 3 FT 6 IN A/N: 536443 Permit to Construct Issued: TBD	D727				
TANK, SURGE, F-154, JACKET WATER, DIAMETER: 8 IN A/N: 536443 Permit to Construct Issued: TBD	D730				

- | | |
|--|---|
| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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



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
COMPRESSOR, GB151, DRIVEN BYAN ICE DEVICE ID D732 A/N: 536443 Permit to Construct Issued: TBD	D1554				
KNOCK OUT POT, F-156, PACKER VENT A/N: 536443 Permit to Construct Issued: TBD	D734				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 536443 Permit to Construct Issued: TBD	D1826				

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



**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:

S13.6 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

[RULE 1123, 12-7-1990]

[Systems subject to this condition: Process 1, System 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, System 1; Process 8, System 1; Process 9, System 3, 4, 5, 6; Process 10, System 1, 2, 4, 5; Process 17, System 6, 7; Process 18, System 1, 2]

S13.13 All devices under this system are 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, 2-6-2009]

[Systems subject to this condition: Process 17, System 7]

S15.16 The vent gases from all affected devices of this process/system shall be vented as follows:
All emergency vent gases shall be directed to the blowdown flare system.

S18.2 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:



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:

FCCU (Process: 1, System: 1 & 2)
Hydrotreating (Process: 2, System: 1, 2, 3, 4 & 5)
Catalytic Reforming (Process: 3, System: 1 & 3)
Hydrogen Production (Process: 4, System: 1 & 2)
Hydrocracking (Process: 5, System: 1)
Alkylation (Process: 6, System: 1)
Blending (Process: 8, System: 1 & 2)
Butane Loading/Unloading (Process: 11, System: 1)
Butane Storage Tanks (Process: 13, System: 6)
Isomerization (Process: 18, System: 1 & 2)
Ammonia (Aqueous) Transfer & Storage System [*only Device D701*] (Process 16, System 9)

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

[Systems subject to this condition: Process 17, System 1 , 2 , 5 , 6 , 7]

S18.10 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Butane Loading/Unloading (Process: 11, System: 1)
Pressurized Storage Tanks (Process: 13, System: 4 & 6)

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

[Systems subject to this condition : Process 17, System 6 , 7]



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:

S31.3 THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH THE DEVICES THAT ARE COVERED BY APPLICATION NUMBER(S) 536443:

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.

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.



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:

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.

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 1, System 1, 2]