



**FACILITY PERMIT TO OPERATE  
BP WEST COAT PROD. LLC BP CARSON REFINERY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE  
The operator shall comply with the terms and conditions set forth below:

FACILITY PERMIT <i>SECTION H</i>			
PROCESS 4: FRACTIONATION			
SYSTEM 3: LIGHT ENDS DEPROPANIZER			System Conditions: S13.2, S15.6, S56.1
DESCRIPTION	DEVICE ID NO.	Emissions And Requirements	CONDITIONS
ABSORBER, MDEA, RPV 3045, HEIGHT: 55 FT; DIAMETER: 3 FT <i>A/N 460571 511728</i>	D292		
TOWER, DEPROPANIZER, RPV 3170, HEIGHT: 114 FT 6 IN; DIAMETER: 7 FT 6 IN <i>A/N 460571 511728</i>	D293		
ACCUMULATOR, RPV 3171, DEPROPANIZER OVERHEAD, HEIGHT: 21 FT; DIAMETER: 7 FT <i>A/N 460571 511728</i>	D296		
TANK, FLASH, RPV 3172, LED FEED, HEIGHT: 25 FT; DIAMETER: 8 FT <i>A/N 460571 511728</i>	D297		
COMPRESSOR, RW 009 08732, NORTH LED VAPOR FEED <i>A/N 460571 511728</i>	D299		
COMPRESSOR, RW 010 08731, SOUTH LED VAPOR FEED, WITH PACKED GLANDS <i>A/N 460571 511728</i>	D300		
POT, RPV 5454, REBOILER CONDENSATE, HEIGHT: 2 FT 6 IN; DIAMETER: 2 FT <i>A/N 460571 511728</i>	D301		
FUGITIVE EMISSIONS, MISCELLANEOUS <i>A/N 460571 511728</i>	D2477	HAP: (10) [40CFR 63 Subpart CC, #5A-6-23-2003]	H23.3

PROCESS 21: AIR POLLUTION CONTROL PROCESS			
SYSTEM 3: HYDROCRACKER FLARE SYSTEM			S58.4, S31.10
FLARE, ELEVATED WITH STEAM INJECTION, NATURAL GAS, WITH A LIGHT GAS SEAL & 33 STEAM JETS, SERVING AS BACKUP FOR THE UNITS HANDLED BY THE FCCU FLARE, HEIGHT: 161 FT 3 IN; DIAMETER: 2 FT 6 IN WITH <i>A/N: 502191 511727</i>	C1308	D474	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]
BURNER, JOHN ZINK, MODEL STF-S-30			D12.15, D323.1, E193.3, E193.25, H23.12, H23.29, I1.1
DRUM, FLARE KNOCKOUT, RPV 3212, LENGTH: 12 FT; DIAMETER: 10 FT <i>A/N: 502191 511727</i>	D1309		BENZENE: (10) [40CFR 61 Subpart FF_02, 12-4-2003]; VOC:500 PPMV (8) [40CFR 61 Subpart FF, 12-4-



**FACILITY PERMIT TO OPERATE  
BP WEST COAT PROD. LLC BP CARSON REFINERY**

**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

			2003]	
DRUM, WATER SEAL, RW 7002, LENGTH: 40 FT, DIAMETER: 14 FT <i>A/N: 502191 511727</i>	D2804			
VESSEL, AUTOPUMP, HCU FLARE, RW 6878-289.09, DIA: 1 FT, HEIGHT: 3 FT 11 IN <i>A/N: 502191 511727</i>	D2867			
VESSEL, AUTOPUMP, HCU FLARE, RW 6879-289.09, DIA: 1 FT, HEIGHT: 3 FT 11 IN <i>A/N: 502191 511727</i>	D2868			
MIST ELIMINATOR, RPV-3214, LENGTH: 28 FT 6 IN; DIAMETER: 12 FT <i>A/N: 502191 511727</i>	D1310			
VESSEL, SEPARATOR, RPV 3213, STEAM, HEIGHT: 4 FT; DIAMETER: 2 FT <i>A/N: 502191 511727</i>	D1311			
DRUM, RPV 3215, OIL ELIMINATOR, HEIGHT: 6 FT; DIAMETER: 5 FT <i>A/N: 502191 511727</i>	D1312			
FUGITIVE EMISSIONS, MISCELLANEOUS <i>A/N: 502191 511727</i>	D2544		HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23. 3

**Conditions:**

Light Ends Depropanizer Unit: S13.2, S15.6, **S56.1**, H23.3

Hydrocracker Flare: S31.10, S58.4, D12.15, D323.1, E193.3, E193.25, H23.12, H23.29, H23.3, I1.1

System Conditions

S13.2 All devices under this system are subject to the applicable requirements of the following rules and regulations:

CONTAMINANT	RULE	RULE/SUBPART
-------------	------	--------------

VOC	DISTRICT RULE	1123
-----	---------------	------

[RULE 1123, 12-7-1990]

S15.6 THE VENT GASES FROM ALL AFFECTED DEVICES OF THIS PROCESS/SYSTEM SHALL BE VENTED AS FOLLOWS:

All sour gases shall be directed to amine contactor system located within this system.

This process/system shall not be operated unless the amine contactor system 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]

S31.10 THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH THE DEVICES THAT ARE COVERED BY APPLICATION NUMBER(S) 454566, 454567, 454568, 458598, 458600, 458610, 459257, 459284 & 459286:



## FACILITY PERMIT TO OPERATE BP WEST COAT PROD. LLC BP CARSON REFINERY

### 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 provide to the District, no later than 90 days after initial startup, 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, operating temperature, operating pressure, body material, application, and reasons why bellows seal valves were not used.

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 (e.g., drain valves with valve stems in horizontal position), 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

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 or liquid volatile organic compounds at a rate less than 500 ppmv

All new components in VOC service with a leak greater than 500 ppmv but less than 1,000 ppmv, as methane, measured above background using EPA Method 21 shall be repaired within 14 days of detection. 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 re-inspection, in a manner approved by the District. Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve

All pressure relief valves shall be connected to a closed vent system or equipped with a rupture disc and telltale indicator

All pumps shall utilize double seals and be connected to a closed vent system

All compressors to have a seal system with a higher pressure barrier fluid.

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

S56.1 VENT GASES FROM ALL AFFECTED DEVICES OF THIS PROCESS/SYSTEM SHALL BE DIRECTED TO A GAS RECOVERY SYSTEM, EXCEPT FOR VENTING FROM THOSE EQUIPMENT SPECIFICALLY



## FACILITY PERMIT TO OPERATE BP WEST COAT PROD. LLC BP CARSON REFINERY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

INDICATED IN A PERMIT CONDITION, AND FOR THE FOLLOWING VENT GASES WHICH MAY BE DIRECTED TO A FLARE:

- 1) VENT GASES DURING AN EMERGENCY AS DEFINED IN RULE 1118(B)(2) ;
- 2) VENT GASES DURING STARTUPS OR SHUTDOWNS AS DEFINED IN RULE 1118(B)(21) AND (B)(19), RESPECTIVELY, PROVIDED THAT ALL FLARES HAVE BEEN OPERATED IN ACCORDANCE WITH FLARING MINIMIZATION PROCEDURES AS DESCRIBED IN RULE 1118(C)(4); AND
- 3) VENT GAS DUE TO ESSENTIAL OPERATING NEED, AS DEFINED IN RULE 1118(B)(4)(A) THAT WOULD RESULT IN A TEMPORARY FUEL GAS SYSTEM IMBALANCE, OR AS DEFINED IN RULE 1118(B)(4)(C) THAT WOULD RESULT IN STREAMS THAT CANNOT BE RECOVERED DUE TO INCOMPATIBILITY WITH RECOVERY SYSTEM EQUIPMENT OR WITH REFINERY FUEL GAS SYSTEMS, PROVIDED THAT ALL FLARES HAVE BEEN OPERATED IN ACCORDANCE WITH FLARING MINIMIZATION PROCEDURES AS DESCRIBED IN RULE 1118(C)(4).

THE FLARING MINIMIZATION PROCEDURES AND ANY SUBSEQUENT CHANGES SHALL BE SUBMITTED TO THE DISTRICT AS DESCRIBED IN RULE 1118(C)(3).

THIS PROCESS/SYSTEM SHALL NOT BE OPERATED UNLESS ITS DESIGNATED FLARE(S) AND THE GAS RECOVERY SYSTEM ARE BOTH IN FULL USE AND HAVE VALID PERMITS TO RECEIVE VENT GASES FROM THIS SYSTEM.

Vent gases shall not be released to the atmosphere except from the existing safety devices or relief valves on the following equipment:

- Process 1, System 2: 10, 12, 14
- Process 1, System 3: 19, 20, 24 to 26
- Process 1, System 5: 35, 39, 41, 42, 2726
- Process 1, System 6: 43, 49, 57, 58
- Process 1, System 7: 59, 60, 61, 62
- Process 2, System 1: 74, 77, 2388
- Process 2, System 2: 82, 89, 90, 92, 2389
- Process 2, System 3: 94, 95
- Process 2, System 5: 98, 101, 102
- Process 2, System 6: 111, 112, 113
- Process 2, System 11: 159, 160
- Process 3, System 1: 164 to 167, 170, 172 to 181, 184, 1336 to 1349, 2382, 2387
- Process 3, System 2: 186, 188, 189, 191, 196, 199, 201, 204, 1352 to 1355
- Process 3, System 4: 241
- Process 3, System 6: 242, 245 to 247, 249
- Process 3, System 7: 1363
- Process 4, System 1: 253 to 256, 258, 262, 265, 268, 270, 272, 277, 278, 282, 283, 287, 1364, 1366, 1367, 1372, 1374 to 1376, 1378 to 1381
- Process 4, System 2: 291, 1400 to 1403
- Process 4, System 3: 292, 293, ~~297~~, 299
- Process 4, System 4: 302, 304
- Process 4, System 5: 308, 310, 311
- Process 4, System 7: 1975, 1977, 1980



## FACILITY PERMIT TO OPERATE BP WEST COAT PROD. LLC BP CARSON REFINERY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Process 5, System 1: 314 to 317, 319, 320, 323 to 332  
Process 5, System 2: 335 to 338, 340, 343, 348 to 353  
Process 5, System 3: 356, 360, 1413  
Process 5, System 4: 401, 406, 407, 412, 414  
Process 6, System 1: 426, 427, 429, 431, 434 to 437, 440, 444, 445, 451, 454 to 456, 458, 460  
Process 6, System 2: 462, 469, 474 to 481, 483, 486  
Process 6, System 3: 490, 494, 495, 498, 501, 503, 506, 507, 509, 510, 512, 513, 518, 520, 521, 525 to 528  
Process 7, System 1: 542 to 548, 550, 552 to 558, 560, 562 to 569  
Process 7, System 2: 2892, 2893  
Process 8, System 1: 583, 584, 593 to 597  
Process 8, System 2: 608, 610, 612 to 614, 622, 624  
Process 9, System 1: 631, 632, 638 to 652, 659 to 663, 666 to 668, 1482, 1483, 1486 to 1488, 1491, 1493 to 1495, 1497 to 1502, 1528, 1533 to 1536, 2019  
Process 9, System 2: 672 to 681, 685  
Process 9, System 9: 637, 653, 656, 658, 664  
Process 10, System 1: 706  
Process 10, System 2: 709, 711 to 715, 720, 721  
Process 10, System 3: 725  
Process 11, System 1: 730  
Process 12, System 1: 756, 759  
Process 12, System 2: 760 to 762, 764  
Process 12, System 3: 765 to 770  
Process 12, System 4: 771, 772, 774  
Process 12, System 8: 785, 790, 2365, 2366  
Process 12, System 9: 794, 797 to 799  
Process 12, System 10: 806  
Process 12, System 12: 815, 818  
Process 12, System 13: 823, 826, 828  
Process 12, System 16: 830  
Process 12, System 22: 853, 854  
Process 12, System 24: 860, 861, 863, 864, 865  
Process 12, System 25: 866, 867, 869, 870, 871, 2003  
Process 12, System 27: 873 to 875  
Process 15, System 7: 1644 to 1646, 1648, 1649  
Process 16, System 3: 1986, 2115 to 2120, 2353, 2394  
Process 21, System 1: 1304  
Process 21, System 2: 1307  
Process 21, System 4: 1315, 1316, 1319, 1323 to 1325, 1659

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

S58.4 HYDROCRACKER FLARE SYSTEM SHALL ONLY BE USED TO RECEIVE AND HANDLE VENT GASES FROM THE FOLLOWING PROCESS(ES) AND SYSTEM(S):

- 1) LIGHT ENDS DEPROPANIZER (PROCESS: 4, SYSTEM: 3)
- 2) JET FUEL HYDROTREATING UNIT (PROCESS: 5, SYSTEM: 1)
- 3) MID-BARREL DESULFURIZER UNIT (PROCESS: 5, SYSTEM: 2)
- 4) LIGHT GASOLINE HYDROGENATION UNIT (PROCESS: 5, SYSTEM: 4)



## FACILITY PERMIT TO OPERATE BP WEST COAT PROD. LLC BP CARSON REFINERY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- 5) CATALYTIC REFORMER UNITS (PROCESS: 6, SYSTEM: 1, 2, & 3)
- 6) HYDROGEN PLANT (PROCESS: 7, SYSTEM 1)
- 7) HYDROCRACKING UNITS (PROCESS: 8, SYSTEM: 1 & 2)
- 8) LPG RECOVERY SYSTEM (PROCESS: 10, SYSTEM: 2)
- 9) LIQUID PETROLEUM GAS DRYING FACILITIES (PROCESS: 10, SYSTEM: 3)
- 10) MDEA REGENERATION SYSTEMS (PROCESS: 12, SYSTEM: 9 & 10)
- 11) IF HC FLARE IS BEING UTILIZED TO BACKUP THE FCCU FLARE, FCCU, FCCU GAS PLANT & FCCU GAS COMPRESSION UNIT (PROCESS: 3, SYSTEM: 1, 2 & 3)
- 12) IF HC FLARE IS BEING UTILIZED TO BACKUP THE FCCU FLARE, PROPYLENE TETRAMER UNIT (PROCESS: 3, SYSTEM: 6)
- 13) IF HC FLARE IS BEING UTILIZED TO BACKUP THE FCCU FLARE, LIQUIDS RECOVERY UNIT (PROCESS: 4, SYSTEM: 8)
- 14) IF HC FLARE IS BEING UTILIZED TO BACKUP THE FCCU FLARE, CATALYTIC POLYMERIZATION UNIT (PROCESS: 9, SYSTEM: 2)
- 15) IF HC FLARE IS BEING UTILIZED TO BACKUP THE FCCU FLARE, FUEL GAS MIX SYSTEM (PROCESS: 10, SYSTEM: 1)
- 16) IF HC FLARE IS BEING UTILIZED TO BACKUP THE FCCU FLARE, NORTH SOUR WATER TREATMENT UNIT (PROCESS: 12, SYSTEM: 14)

THE FLARE GAS RECOVERY SYSTEM SHALL BE OPERATED IN FULL USE WHEN ANY OF THE ABOVE PROCESS(ES) AND SYSTEM(S) IS IN OPERATION. FULL USE MEANS ONE OF TWO COMPRESSOR TRAINS (PROCESS 21, SYSTEM 10 AND PROCESS 21, SYSTEM 11) IS ONLINE AT ANY GIVEN TIME, EXCEPT DURING PLANNED STARTUPS OR SHUTDOWNS WHEN BOTH COMPRESSORS TRAINS SHALL BE ONLINE.

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

D12.15 THE OPERATOR SHALL INSTALL AND MAINTAIN A(N) INFRARED / ULTRAVIOLET DETECTOR OR A THERMOCOUPLE TO ACCURATELY INDICATE THE PRESENCE OF A FLAME AT THE PILOT LIGHT.

The operator shall also install and maintain a device to continuously record the parameter being measured.  
[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 6-13-2007]

D323.1 THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A BI-WEEKLY BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE BI-WEEKLY PERIOD. THE ROUTINE BI-WEEKLY INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS.

IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE HOUR, THE OPERATOR SHALL VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING



## FACILITY PERMIT TO OPERATE BP WEST COAT PROD. LLC BP CARSON REFINERY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE  
The operator shall comply with the terms and conditions set forth below:

TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST, AND EITHER:

- 1) TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
- 2) HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- 1) STACK OR EMISSION POINT IDENTIFICATION;
- 2) DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- 3) DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- 4) ALL VISIBLE EMISSION OBSERVATION RECORDS BY OPERATOR OR A CERTIFIED SMOKE READER.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

E193.3 THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING SPECIFICATIONS:

The operator shall comply with all applicable requirements specified in Subpart A of the 40CFR60 [40 CFR 60 Subpart A, 6-13-2007]

E193.25 THE OPERATOR SHALL RESTRICT THE OPERATION OF THIS EQUIPMENT AS FOLLOWS:

The flare may serve to backup the FCCU Flare only when the FCCU Flare is taken out of service during the planned shutdown periods, and all of the following criteria are met:

The following units shall not be in operation: Hydrocracker Units (Process 8, System 1 & 2), Hydrogen Plant (Process 7, System 1).

When the HC Flare is serving as backup to the FCC Flare, only the following units shall relief to the flare:

Jet Fuel Hydrotreating Unit (Process 5, System 1), Mid-Barrel Desulfurizer Unit (Process 5, System 2), Light Gasoline Hydrogenation Unit (Process 5, System 4), LPG Recovery System (Process 10, System 2), LPG Drying Facilities (Process 10, System 3), Catalytic Reforming Units (Process 6, Systems 1, 2 & 3), MDEA Regeneration Systems No 1 & 2 (Process 12, Systems 9 & 10),

FCCU, FCCU Gas Plant & FCCU Gas Compression Unit (Process 3, Systems 1, 2 & 3), Propylene Tetramer Unit (Process 3, System 6), Liquid Recovery Unit (Process 4, System 8), Catalytic Polymerization Unit (Process 9,



**FACILITY PERMIT TO OPERATE  
BP WEST COAT PROD. LLC BP CARSON REFINERY**

**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**  
The operator shall comply with the terms and conditions set forth below:

System 2), Fuel Gas Mix Drum System (Process 10, System 1), North Sour Water Treatment Unit (Process 12, System 14).

For No. 9 Cooling Tower failure scenario, the relief loads shall not exceed the hydraulic capacity of the flare. If requested by District personnel, the operator shall provide analysis, or, if one is not available, perform hydraulic modeling analysis of the relief event to demonstrate compliance with this condition.

In No. 9 Cooling Tower failure scenario, only the following units shall relief to the flare: FCCU, FCCU Gas Plant & FCCU Gas Compression (Process 3, Systems 1, 2 & 3) and MDEA Regeneration Systems No. 1 & 2 (Process 12, System 9 & 10).

All other relief events to the flare shall not exceed the smokeless capacity of a flare designed for 417,000 lb/hr for a total of five minutes during two consecutive hours except during periods of startup, shutdown, or malfunction. If requested by District personnel, the operator shall provide analysis, or, if one is not available, perform hydraulic modeling analysis of the relief event to demonstrate compliance with this condition.

The operator shall not utilize the HC Flare to backup the FCCU Flare for a period greater than 30 days, unless otherwise approved in writing by the Executive Officer.

The operator shall notify the District a minimum of 10 days before the start of the planned shutdown of the FCCU Flare. This notification shall indicate the estimated duration of the shutdown.  
[RULE 1303(b)(2)-OFFSET, 5-10-1996]

H23.3 This equipment is subject to the applicable requirements of the following rules and regulations:

CONTAMINANT	RULE	RULE/SUBPART
VOC	DISTRICT RULE	1173
VOC	40CFR60, SUBPART	GGG

[RULE 1173, 5-13-1994, RULE 1173, 2-6-2009, 40CFR 60 Subpart GGG, 6-2-2008]

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]



**FACILITY PERMIT TO OPERATE  
BP WEST COAT PROD. LLC BP CARSON REFINERY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE  
The operator shall comply with the terms and conditions set forth below:

H23.29 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES OR REGULATIONS:

CONTAMINANT	RULE	RULE/SUBPART
SOX	DISTRICT RULE	1118
[RULE 1118, 11-4-2005]		

11.1 THE OPERATOR SHALL COMPLY WITH ALL THE REQUIREMENTS OF THE CONDITIONS AND COMPLIANCE SCHEDULE AS SPECIFIED IN THE VARIANCE DATED JULY 15, 2008, CASE NO. 5357-36, IN ACCORDANCE WITH THE FINDINGS AND DECISIONS OF THE HEARING BOARD OR AS SUBSEQUENTLY MODIFIED BY THE HEARING BOARD. THE OPERATOR SHALL SUBMIT PROGRESS REPORTS AT LEAST SEMI-ANNUALLY, OR MORE FREQUENTLY IF SPECIFIED IN THE FINDINGS AND DECISIONS. THE PROGRESS REPORTS SHALL CONTAIN DATES FOR ACHIEVING ACTIVITIES, MILESTONES OR COMPLIANCE REQUIRED IN THE SCHEDULE OF COMPLIANCE AND DATES WHEN SUCH ACTIVITIES, MILESTONES OR COMPLIANCE WERE ACHIEVED; AND AN EXPLANATION OF WHY ANY DATES IN THE SCHEDULE OF COMPLIANCE WERE NOT, OR WILL NOT BE MET, AND ANY PREVENTATIVE OR CORRECTIVE MEASURES ADOPTED.

The variance (or Order for Abatement) referenced in this condition does not affect federal or citizen enforceability of the underlying SIP approved rules for which the applicant is receiving the variance (or Order for Abatement).

[RULE 3004(a)(10)(C), 12-12-1997]

