



**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 15   |        | SYSTEM 4                          |  |  |
|--|--------|-----------------------------------|--|--|
| OIL WATER SEPARATION   |        | WASTEWATER TREATMENT SYSTEM NO. 7 |  |  |
| <i>[EXISTING EQUIPMENT]</i>  |        | System Conditions: S13.6          |  |  |
| Equipment  | ID No. | Connected To                      | Emissions and Requirements               | Conditions                             |
| OIL WATER SEPARATOR, INLET FLUME, COVERED, WIDTH: 8 FT; DEPTH: 6 FT 6 IN; LENGTH: 63 FT<br><br>A/N 395598 471290   | D994   |                                   |  | H23.14                                 |
| OIL WATER SEPARATOR, FIXED COVER, FOREBAY, WITH OIL SKIMMER, WIDTH: 10 FT; DEPTH: 6 FT 6 IN; LENGTH: 10 FT<br><br>A/N 395598 471290                                      | D995   |                                   | VOC: 500 PPMV (5) [RULE 1176; 9-13-1996] | H23.14                                 |
| OIL WATER SEPARATOR, FIXED ROOF, LIFT STATION NO. 7, TWO COMPARTMENTS, WITH 108" H OVERFLOW WEIR, WIDTH: 40 FT; DEPTH 12 FT 9 IN; LENGTH: 79 FT<br><br>A/N 395598 471290 | D997   |                                   | VOC: 500 PPMV (5) [RULE 1176; 9-13-1996] | C266.1, E127.1, E166.1, H23.14, H23.21 |
| OIL WATER SEPARATOR, OULET FLUME, COVERED, WIDTH: 6 FT, DEPTH: 12 FT 9 IN; LENGTH: 40 FT<br><br>A/N 395598 471290  | D998   |                                   |  | H23.14                                 |
| SUMP, WEST RETENTION BASIN, WIDTH: 250 FT; DEPTH: 23 FT 6 IN; LENGTH: 300 FT<br><br>A/N 395598 471290  | D999   |                                   |  | B89.1, D90.9                           |



**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:

|  |               |  |  |  |
|--|---------------|--|--|--|
| CARBON ADSORBER, TWO (2)<br>IN SERIES, <u>360 LBS, 1000 LBS</u><br><u>CARBON EACH</u><br><br>A/N <u>395598 471290</u>                              | C1002         |  |  | D90.1,<br>D90.2,<br>E128.1,<br>E153.1,<br>K67.16 |
| CARBON ADSORBER, TWO (2)<br>IN SERIES, 1000 LBS <u>CARBON</u><br><u>EACH</u><br><br>A/N <u>395598 471290</u>                                       | C1632         |  |  | D90.1,<br>E128.1,<br>E153.1,<br>K67.16           |
| VESSEL, V101, TANKS 19 & 20<br>CONTAINMENT SURGE,<br>HEIGHT: 40 FT; DIAMETER: 10<br>FT<br><br>A/N <u>395598 471290</u>                             | D1634         |  |  |  |
| <b>PROCESS 15</b>  |               | <b>SYSTEM 5</b>                              |  |  |
| <b>OIL WATER SEPARATION</b>  |               | <b>WASTEWATER TREATMENT SYSTEM<br/>NO. 8</b> |  |  |
| <b>[EXISTING EQUIPMENT]</b>  |               | <b>System Conditions: S13.6</b>              |  |  |
| <b>Equipment</b>   | <b>ID No.</b> | <b>Connected<br/>To</b>                      | <b>Emissions and<br/>Requirements</b>          | <b>Conditions</b>                                |
| OIL WATER SEPARATOR,<br>FIXED COVER, DISTRIBUTION<br>SECTION, WIDTH: 5 FT; DEPTH:<br>10 FT 10 IN; LENGTH: 3 FT<br><br>A/N <u>395513 471291</u>     | D1004         | C1635  | VOC: 500 PPMV<br>(5) [RULE 1176;<br>9-13-1996] | H23.21   |
| OIL WATER SEPARATOR,<br>FIXED COVER, SEPARATION<br>SECTION, WIDTH: 5 FT; DEPTH:<br>10 FT 10 IN; LENGTH: 24 FT 6 IN<br><br>A/N <u>395513 471291</u> | D1005         | C1635  | VOC: 500 PPMV<br>(5) [RULE 1176;<br>9-13-1996] | H23.21,<br>K67.21                                |



**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:

|  |       |                         |  |  |
|--|-------|-------------------------|--|--|
| OIL WATER SEPARATOR, FIXED COVER, SUMP SECTION, WIDTH: 5 FT; DEPTH: 10 FT 10 IN; LENGTH: 3 FT<br><br>A/N 395513 471291 | D1006 | C1635                   | VOC: 500 PPMV (5) [RULE 1176; 9-13-1996] | H23.21   |
| CARBON ADSORBER, TWO (2) IN PARALLEL, TWO (2) IN SERIES, 150 LBS, 1000 LBS CARBON EACH<br><br>A/N 395513 471291        | C1635 | D1004<br>D1005<br>D1006 |  | D90.1,<br>D90.2,<br>E128.1,<br>E153.1,<br>K67.16 |

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 | 464          |
| VOC         | District Rule | 1176         |

[RULE 1176, 9-13-1996; RULE 464, 12-7-1990]

[Systems subject to this condition: Process 15, System 4, 5]

B89.1 The operator shall not use water with a VOC content greater than 0.005 grams per liter, including water and exempt compounds.

[RULE 1176, 9-13-1996]

[Devices subject to this condition: D999]

C266.1 The operator shall install and maintain a pressure relief valve set at 4 inches water column.

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

[Devices subject to this condition: D997]

D90.1 The operator shall periodically monitor the VOC concentration at the outlet of the carbon adsorption system according to the following specifications:



**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:

The operator shall use EPA reference method 21 to monitor the parameter

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

Alternately, the operator may use the District Grab Sample Method, as specified in Rule 1176, to measure the VOC concentration.

The operator shall monitor twice every week.

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: C1002, C1632, C1635]

~~D90.2 The operator shall periodically monitor the VOC concentration at the outlet of the second carbon according to the following specifications:~~

~~The operator shall use a District approved Organic Vapor Analyzer (OVA) to monitor the parameter.~~

~~The operator shall use EPA reference method 21 to monitor the parameter~~

~~The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.~~

~~Alternately, the operator may use the District Grab Sample Method, as specified in Rule 1176, to measure the VOC concentration.~~

~~The operator shall monitor once every day.~~

~~[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]~~

~~[Devices subject to this condition: C1002, C1635]~~

D90.9 The operator shall sample and analyze the VOC content in each inlet fluid to the sump according to the following specifications:



**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:

The operator shall analyze once per year according to EPA Test Method 8240, or equivalent test method.

[RULE 1176, 9-13-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: D999]

E127.1 The operator shall keep gauge/sample hatches closed except during actual gauging/sampling operation.

[RULE 1176, 9-13-1996]

[Devices subject to this condition: D997]

E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

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

[Devices subject to this condition: C1002, C1632, C1635]

E153.1 The operator shall change over the carbon in the adsorber whenever breakthrough occurs:

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the second carbon. If breakthrough occurs, the spent carbon adsorber shall either be replaced with an identical unit containing fresh activated carbon or the spent carbon shall be removed and replaced with fresh activated carbon.

The replacement activated carbon shall have a Butane Activity of not less than 21.4%, as measured according to ASTM Method 5742, or a Carbon Tetrachloride (CTC) Activity of not less than 60%, as measured by ASTM Method 3467.

To replace the carbon adsorber, the operator shall remove the first carbon canister, replace it with a fresh carbon adsorber or rotate the second adsorber in series to first, and put in a new second carbon adsorber.

The operator shall change over the carbon in the adsorber, at minimum, on an annual basis, without respect to whether breakthrough has occurred.



**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:

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-  
Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: C1002, C1632, C1635]

E166.1 The operator shall keep all openings from this equipment closed when in use except for maintenance or repair.

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

[Devices subject to this condition: D997]

H23.14 This equipment is subject to the applicable requirements of the following rules or regulations:

| Contaminant | Rule             | Rule/Subpart |
|-------------|------------------|--------------|
| VOC         | 40CFR60, SUBPART | QQQ          |

[40CFR 60 Subpart QQQ, 10-17-2000]

[Devices subject to this condition: D994, D995, D997, D998]

H23.21 This equipment is subject to the applicable requirements of the following rules or regulations:

| Contaminant | Rule          | Rule/Subpart |
|-------------|---------------|--------------|
| VOC         | District Rule | 1176         |
| VOC         | District Rule | 464          |
| VOC         | District Rule | 1123         |

[RULE 1123, 12-7-1990; RULE 1176, 9-13-1996; RULE 464, 12-7-1990]

[Devices subject to this condition: D997, D1004, D1005, D1006]

K67.16 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monitor and replacement of carbon canister

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



**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:

[Devices subject to this condition: C1002, C1632, C1635]

~~K67.21~~ The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

~~The operator shall determine the true vapor pressure of each material stored in the equipment by one of the following methods: 1) sample and test the material stored, 2) derive the vapor pressure using engineering calculations, or 3) maintain on file a copy of the Material Safety Data Sheet (MSDS) of material stored.~~

~~Records of material stored, and their MSDS if applicable, shall be retained for a period of five years and made available to the Executive Officer upon request.~~

~~{RULE 1303(b)(2) Offset, 5-10-1996; RULE 3004(a)(4) Periodic Monitoring, 12-12-1997}~~

{Devices subject to this condition: D1005}

**DRAFT**