

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>ENGINEERING DIVISION</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 22	PAGE 1
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	PROCESSED BY Rafik Beshai	CHECKED BY

PERMIT TO OPERATE

COMPANY NAME BP WEST COAST PRODUCTS LLC
BP CARSON REFINERY

COMPANY ADDRESS P.O. BOX 6210
CARSON, CA 90749

EQUIPMENT LOCATION 2350 E. 223rd STREET
CARSON, CA 90810

FACILITY ID 131003

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions and Requirements	Conditions
Process 15: OIL WATER SEPARATION					
System 1: WASTE WATER TREATMENT SYSTEM NO. 1					S13.6
OIL WATER SEPARATOR, FIXED ROOF, LIFT STATION NO. 1, TWO COMPARTMENTS, WITH 108" H OVERFLOW WEIR, WIDTH: 25 FT; DEPTH: 10 FT; LENGTH: 96 FT A/N 395601 471302	D1627	C1628		VOC: 500 PPMV (5) [RULE 1176; 9-13-1996]	C266.1, E127.1, E166.1, H23.14, H23.21
FUGITIVE EMISSIONS, DRAINS A/N 395601 471302	D2600			HAP: (10) [40CFR 63 Subpart cc, #4, 6-23-2003]	H23.22
CARBON ADSORBER, TWO (2) IN SERIES, 1000 LBS CARBON EACH A/N 395601 471302	C1628	D1627			D90.1, E128.1, E153.1, K67.16
System 2: WASTE WATER TREATMENT SYSTEM NO. 4					S13.6
OIL WATER SEPARATOR, FIXED ROOF, LIFT STATION NO. 4, TWO COMPARTMENTS, WITH 108" H OVERFLOW WEIR, WIDTH: 21 FT; DEPTH: 12 FT 9 IN; LENGTH 96 FT A/N 395599 471303	D992	C1630		VOC: 500 PPMV (5) [RULE 1176; 9-13-1996]	E127.1, E166.1, H23.14, H23.21
CARBON ADSORBER, TWO (2) IN SERIES, 1000 LBS CARBON EACH A/N 395599 471303	C1630	D992			D90.1, E128.1, E153.1, K67.16

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System 6: WASTE WATER FINAL TREATMENT SYSTEM NO. 9 & 5					S13.6
OIL WATER SEPARATOR, FLOATING ROOF, FOUR CHANNELS, WITH AN ADJUSTABLE PIPE SKIMMER (NO. 9 LIFT STATION), WIDTH: 96 FT; DEPTH: 11 FT; LENGTH: 150 FT A/N 395996 471306	D1007			VOC: 500 PPMV (5) [RULE 1176; 9-13-1996]	H23.14
OIL WATER SEPARATOR, FIXED ROOF, EFFLUENT FLUME (NO. 9 LIFT STATION), WIDTH: 6 FT; DEPTH: 11 FT; LENGTH: 49 FT 6 IN A/N 395996 471306	D1008	C1638, C1640		VOC: 500 PPMV (5) [RULE 1176; 9-13-1996]	E127.1, E166.1, H23.14, H23.21
OIL WATER SEPARATOR, FIXED COVER, EFFLUENT FLUME, WIDTH: 6 FT; DEPTH: 11 FT; LENGTH: 49 FT 6 IN A/N 395996 471306	D1009	C1638, C1640		VOC: 500 PPMV (5) [RULE 1176; 9-13-1996]	E127.1, E166.1, H23.14, H23.21
SUMP, FIXED COVER, NO. 5 TRAP FOREBAY, WIDTH: 8 FT; DEPTH: 17 FT; LENGTH: 9 FT A/N 395996 471306	D1010	C1638, C1640		VOC: 500 PPMV (5) [RULE 1176; 9-13-1996]	H23.14, H23.21
SUMP, FLOCCULATION TANK FEED FOREBAY, (LOCATED AT BEFORE NO. 5 TRAP), WIDTH: 16 FT; DEPTH: 17 FT; LENGTH: 23 FT A/N 395996 471306	D1011				
SUMP, COMBINATION SPARE PUMP BAY, (LOCATED AT NO. 5 TRAP), WIDTH: 16 FT; DEPTH: 17 FT; LENGTH: 16 FT A/N 395996 471306	D1012				
SUMP, TANK 95 PUMP BAY, (LOCATED AT NO. 5 TRAP), WIDTH: 9 FT; DEPTH: 17 FT; LENGTH: 16 FT A/N 395996 471306	D1013				H23.14
SUMP, DAF AFTERBAY/SPLITTER BOX, (LOCATED AT NO. 5 TRAP), WIDTH: 9 FT; DEPTH: 17 FT; LENGTH: 19 FT A/N 395996 471306	D1014				H23.14
PIT, BINGHAM PUMP, (LOCATED AT NO. 5 TRAP), WIDTH: 9 FT; DEPTH: 17 FT; LENGTH: 28 FT	D1015				H23.14

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A/N 395996 471306					
SUMP, SKIM OIL, WIDTH: 4 FT; DEPTH: 5 FT; LENGTH: 8 FT	D1016				H23.14
A/N 395996 471306					
TANK, HOLDING, TK 95, EFFLUENT WATER, OPEN TOP WITH CONCRETE VEIW BOX, 20000 BBL, DIAMETER: 60 FT; HEIGHT: 40 FT	D1021				
A/N 395996 471306					
OIL WATER SEPARATOR, LIFT STATION NO. 9, TWO FIXED ROOF COMPARTMENTS, WITH 108" H OVERFLOW WEIR, WIDTH: 17 FT; DEPTH: 11 FT; LENGTH: 60 FT	D1637	C1638 C1640		VOC: 500 PPMV (5) [RULE 1176; 9-13-1996]	C266.1, E127.1, H23.14, H23.21
A/N 395996 471306					
CARBON ADSORBER, (LOCATED AT NO. 5 TRAP), TWO (2) IN SERIES, 1000 LBS CARBON EACH	C1638	D1008 D1009 D1010 D1637			D90.1, E128.1, E153.1, E193.20, K67.16
A/N 395996 471306					
CARBON ADSORBER, (LOCATED AT NO. 9 LIFT STATION), TWO (2) IN SERIES, 1000 LBS CARBON EACH	C1640	D1008 D1009 D1010 D1637			D90.1, E128.1, E153.1, E193.20, K67.16
A/N 395996 471306					
AIR FLOATATION UNIT, INDUCED GAS FLOATATION (IGF) UNIT, NO. 1, UNICEL, MODEL UC-17, 2500 GPM, 12 FT DIA. X 10 FT HEIGHT	D2008	D2011			H23.14, H23.21
A/N 395996 471306					
AIR FLOATATION UNIT, INDUCED GAS FLOATATION (IGF) UNIT, NO. 2, UNICEL, MODEL UC-17, 2500 GPM, 12 FT DIA. X 10 FT HEIGHT	D2009	D2012			H23.14, H23.21
A/N 395996 471306					
AIR FLOATATION UNIT, INDUCED GAS FLOATATION (IGF) UNIT, NO. 3, UNICEL, MODEL UC-17, 2500 GPM, 12 FT DIA. X 10 FT HEIGHT	D2010	D2013			H23.14, H23.21
A/N 395996 471306					
VESSEL, SKIM OIL, NO. 1, RW6222, 90 BBL CAPACITY, HEIGHT: 8 FT;	D2011	D2008, C2014		VOC: 500 PPMV (5)	H23.14, H23.21

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DIAMETER: 8 FT A/N 395996 471306				[RULE 1176; 9-13-1996]	
VESSEL, SKIM OIL, NO. 2, RW6223, 90 BBL CAPACITY, HEIGHT: 8 FT; DIAMETER: 8 FT A/N 395996 471306	D2012	D2009, C2014		VOC: 500 PPMV (5) [RULE 1176; 9-13-1996]	H23.14, H23.21
VESSEL, SKIM OIL, NO. 3, RW6224, 90 BBL CAPACITY, HEIGHT: 8 FT; DIAMETER: 8 FT A/N 395996 471306	D2013	D2010, C2014		VOC: 500 PPMV (5) [RULE 1176; 9-13-1996]	H23.14, H23.21
CARBON ADSORBER, TWO (2) IN PARALLEL, TWO (2) IN SERIES, EACH CONTAINING 1000 LB ACTIVATED CARBON, 1000 LBS CARBON EACH, TWO CANISTERS CONNECTED IN SERIES/PARALLEL A/N 395996 471306	C2014	D2011, D2012, D2013			D90.1, E128.1, E153.1 K67.16
DRAIN SYSTEM COMPONENT, HEIGHT: 7 FT 11 IN; DIAMETER: 6 FT A/N 395996 471306	D2601				H23.14
System 9: STORM WATER HANDLING AND TREATING SYSTEM					S13.6
SUMP, FIXED COVER, SHOPS AREA, 2418 CUBIC FEED CAPACITY, WIDTH: 16 FT 6 IN; DEPTH: 9 FT 5.75 IN; LENGTH: 21 FT 6 IN A/N 419917 471293	D2747	C2748		VOC: 50 PPMV (4) [RULE 1303(a)(1)- BACT; 5-10- 1996]	H23.26
CARBON FILTER ADSORBER, TWO CANISTERS IN SERIES, 400 LBS CARBON PER CANISTER, 1000 LBS CARBON EACH A/N 419917 471293	C2748	D2747			D90.8, E128.1, E153.2, K67.16
SUMP, FIXED COVER, SERVING TANK 19/20 BASIN, 2040 CUBIC FEET CAPACITY, WIDTH: 11 FT 4 IN; DEPTH: 10 FT; LENGTH: 18 FT A/N 428175 471295	D2752	C2753		VOC: 50 PPMV (4) [RULE 1303(a)(1)- BACT; 5-10- 1996]	H23.21
CARBON FILTER ADSORBER, TWO CANISTERS IN SERIES, 400 LBS CARBON PER CANISTER, 1000 LBS CARBON EACH	C2753	D2752			D90.8, E128.1, E153.2, K67.16

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A/N 428175 471295					
SUMP, FIXED COVER, PUMPSLAB TAG #000 SUMP, 117.5 CUBIC FEET CAPACITY, WIDTH: 3 FT; DEPTH: 5 FT; LENGTH: 7 FT 10 IN	D2754	C2756		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT; 5-10-1996]	H23.21
A/N 428177 471300					
SUMP, FIXED COVER, PUMPSLAB TAG #0217 SUMP, 905.4 CUBIC FEET CAPACITY, WIDTH: 6 FT 10 IN; DEPTH: 15 FT; LENGTH: 8 FT 10 IN	D2755	C2756		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT; 5-10-1996]	H23.21
A/N 428177 471300					
CARBON FILTER ADSORBER, TWO CANISTERS IN SERIES, 400 LBS CARBON PER CANISTER, 1000 LBS CARBON EACH	C2756	D2754 D2755			D90.8, E128.1, E153.2 K67.16
A/N 428177 471300					
SUMP, FIXED COVER, #4 STEAM PLANT TAG #0100 SUMP, 866.8 CUBIC FEET CAPACITY, WIDTH: 8 FT 3 IN; DEPTH: 10 FT 3 IN; LENGTH: 10 FT 3 IN	D2757	C2758		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT; 5-10-1996]	H23.21
A/N 428179 471296					
CARBON FILTER ADSORBER, TWO CANISTERS IN SERIES, 400 LBS CARBON PER CANISTER, 1000 LBS CARBON EACH	C2758	D2757			D90.8, E128.1, E153.2, K67.16
A/N 428179 471296					
SUMP, FIXED COVER, SERVING RESERVOIR 502 VALVE BOXES AND/OR DRAIN BOX, 756 CUBIC FEET CAPACITY, WIDTH: 7 FT; DEPTH: 12 FT; LENGTH: 9 FT	D2759	C2760		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT; 5-10-1996]	H23.21
A/N 428180 471298					
CARBON FILTER ADSORBER, TWO CANISTERS IN SERIES, 400 LBS CARBON PER CANISTER, 1000 LBS CARBON EACH	C2760	D2759			D90.8, E128.1, E153.2, K67.16
A/N 428180 471298					
SUMP, FIXED COVER, S&H TAG #0182S SUMP, 304.4 CUBIC FEET CAPACITY, WIDTH: 5 FT 4 IN; DEPTH: 5 FT; LENGTH: 11 FT 5 IN	D2761	C2762		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT; 5-10-	H23.21

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A/N 428181 471299				1996]	
CARBON FILTER ADSORBER, TWO CANISTERS IN SERIES, 400 LBS CARBON PER CANISTER, 1000 LBS CARBON EACH	C2762	D2761			D90.8, E128.1, E153.2 K67.16
A/N 428181 471299					
SUMP, FIXED COVER, NO. 5 FLARE PIT, 63 CUBIC FEET CAPACITY, HEIGHT: 5 FT; DIAMETER: 4 FT	D2787	C2788		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT; 5-10-1996]	H23.14, H23.21
A/N 438639 471301					
CARBON FILTER ADSORBER, TWO CANISTERS IN SERIES, US FILTER, MODEL VSC 200, 400 LBS CARBON PER CANISTER, 1000 LBS CARBON EACH	C2788	D2787			D90.8, E128.1, E153.2 K67.16
A/N 438639 471301					
SUMP, FIXED COVER, OILY WATER STRIPPER UNIT, 680 CUBIC FEET CAPACITY, WIDTH: 6 FT 8 IN; DEPTH: 12 FT 2 IN; LENGTH: 17 FT	D2811	C2812		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT; 5-10-1996]	H23.14, H23.26
A/N 439824 471305					
CARBON FILTER ADSORBER, TWO CANISTERS IN SERIES, 400 LBS CARBON PER CANISTER, 1000 LBS CARBON EACH	C2812	D2811			D90.8, E128.1, E153.2, K67.16
A/N 439824 471305					
Process 21: AIR POLLUTION CONTROL PROCESS					
System 8: AIR POLLUTION CONTROL					
CARBON FILTER ADSORBER, UP TO 4 UNITS, 400 POUNDS LBS CARBON EACH, ODOR CONTROL, PORTABLE	C2445				D90.1, E128.1, E153.3, E153.4, K67.16
A/N 419818 471308					

BACKGROUND

BP West Coast Products LLC (Facility ID 131003) has submitted applications for Alteration/Modification of Carbon Adsorbers and Carbon Filters permitted in Process 15: Oil Water Separation and in Process 21: Air Pollution Control Process. A Title V permit was issued to this facility on September 1, 2009. The subject equipment is disposable/rechargeable carbon adsorption canisters

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used to control VOC emissions from various wastewater storage and treatment equipment. The applications are intended to accomplish the following:

- Standardize carbon canister capacity at 1,000 lbs,
- Remove specification of carbon canister manufacturer and model number information,
- Standardize carbon canister connection information (i.e. amend to series connection),
- Standardize description to “Carbon Adsorbers” (i.e. eliminate description of “Carbon Filters” used in some cases), and
- Simplify and standardize permit conditions applicable to these carbon adsorber units.

With the exception of the portable carbon canisters used in odor control, C2445, the facility proposes to use carbon adsorption trains, consisting of two carbon canisters, each with 1,000 lbs of activated carbon, connected in series. In some cases, carbon adsorption trains already consist of two 1,000 lb carbon canisters, connected in series. In other cases, the weight of carbon canisters will be upgraded to 1,000 lbs, each, or the connection will be modified from parallel connection to series connection. Further, all carbon adsorber systems will be described as “Carbon Adsorbers” in the facility permit (i.e. eliminating description of “Carbon Filters”) since all units use activated carbon in a carbon adsorption process. The Title V permit will be amended to reflect these modifications.

Originally, BP requested amendment of D90 conditions to allow use of charcoal adapters. The charcoal adapter functions to trap non-methane hydrocarbons and would give a measurement of the methane concentration in the gas stream. This concentration would then be subtracted from the total hydrocarbon concentration measurement, to yield a non-methane hydrocarbon result. The District defines VOC as non-methane, non-ethane hydrocarbons. However, the D90 conditions have been amended to allow use of a Grab Sample Technique, as described in Rule 1176 Attachment A. Therefore, BP no longer seeks use of charcoal adapters in VOC measurement and no further revision of D90 conditions is sought.

Modification of conditions E153.1 and E153.2 is sought. It is requested that these conditions state what is required when breakthrough occurs. They will be amended to state that when hydrocarbon concentration measurements indicate occurrence of breakthrough, that the canisters will either be replaced with new canisters or that the spent carbon in the canisters will be removed and replaced with fresh activated carbon. The replacement activated carbon must have a minimum Butane Activity of 21.1%, measured according to ASTM Method 5742, or a minimum Carbon Tetrachloride (CTC) Activity of 60%, as measured according to ASTM Method 3467. By specifying characteristics of fresh activated carbon in these conditions, the need for listing of manufacturer/model number of carbon canisters in the equipment description is eliminated, since it is ensured that the replacement activated carbon will function effectively.

In addition to the above, the following permit modification is incorporated:

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- Device D1011 is described as (LOCATED BEFORE NO. 5 TRAP), instead of (LOCATED AT NO. 5 TRAP). This request was originally made under A/N 435612, filed for an Administrative Change.

The permit history of the equipment is shown in the table below:

Permit History

Equipment	Permit/AN	Date	Permit Action
D1627, C1628, D2600 (Process 15, System 1)	F96649/395601 283125, PC Issued	4/25/08 1/26/94	<p>Waste Water Treatment System No. 1 is currently permitted under Permit No. F96649 (A/N 395601), issued on April 25, 2008. Under this application the equipment was processed for ownership change, from ARCO Products Co. to BP West Coast Products LLC. Actual change of ownership occurred on January 1, 2002.</p> <p>The equipment was issued a Permit to Construct under A/N 283125 on January 26, 1994. Under this application Waste Water Treatment System No. 1 consisting of Lift Station No. 1 (equipped with fixed covers and connected to carbon adsorption system consisting of two 1000 lb canisters), three stormwater pumps, a process wastewater pump, and an oil skim pump, was constructed. This was a modification of Junction Box D, which did not require a permit.</p>
D992, C1630 (Process 15, System 2)	F92364/395599 283126, PC Issued D38505/227850 M29331/C35269 P61355/A75806	9/13/07 1/26/94 5/20/91 2/1/83 6/19/75	<p>Waste Water Treatment System No. 4 is currently permitted under Permit No. F92364 (A/N 395599), issued on September 13, 2007. Under this application the equipment was processed for ownership change, from ARCO Products Co. to BP West Coast Products LLC. Actual ownership change occurred on January 1, 2002.</p> <p>The equipment was issued a Permit to Construct under A/N 283126 on January 26, 1994. Under this application Waste Water Treatment System No. 4 was modified by the following: replacement of floating covers with fixed covers over the No. 4 Separator, addition of Lift Station No. 4 (which is equipped with fixed covers and connected to carbon adsorption system consisting of two 1000 lb canisters), and addition of three stormwater pumps, a process wastewater pump, and an oil skim pump.</p> <p>Previously, the equipment was permitted under Permit No. D38505 (A/N 227850), issued on May 20, 1991. Under this application, gaskets were installed on fixed covers at the separator forebay and outfall/spillway and floating covers were replaced at the separator bay.</p> <p>Previously the equipment was permitted under Permit No. M29331 (A/N C35269), issued on February 1, 1983.</p> <p>Previous to this the equipment was permitted under Permit No P61355 (A/N A75806), issued on June 19, 1975.</p>
D1007, D1008, D1009, D1010, D1011, D1012, D1013, D1014, D1015, D1016, D1021, D1637, C1638, C1640, D2008, D2009, D2010, D2011, D2012, D2013, C2014,	F92372/395996 315167, PC Issued D88671/283128 283734/PC Issued 227851/PC Issued M61202/159654 M29330/C35268	9/13/07 5/28/96 2/23/95 6/27/94 8/13/91 3/20/88 2/1/83	<p>Waste Water Final Treatment System No. 9 & 5 is currently permitted under Permit No. F92732 (A/N 395996), issued on September 13, 2007. Under this application the equipment was processed for ownership change, from ARCO Products Co. to BP West Coast Products LLC. Actual ownership change occurred on January 1, 2002.</p> <p>Under A/N 315167, Wastewater Treatment System No. 9 & 5 was</p>

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D2601 (Process 15, System 6)			<p>modified by replacement of 400 lbs carbon adsorption canisters with 1000 lbs carbon adsorption canisters. Upon modification, all vent gases from the No. 5 Trap, No. 9 Separator and No. 9 Lift Station vent to two sets of 1000 lbs carbon canisters, connected in series.</p> <p>A Permit to Construct was issued for this equipment under A/N 283734 on June 27, 1994. Under this application the facility replaced two DAF Units with three IGF Units, which are vented to carbon adsorption canisters through the skim oil system.</p> <p>Waste Water Treatment System No. 9 was previously permitted under Permit No. D88671 (A/N 283128), issued on February 23, 1995. Under this application, the system was modified by addition of Lift Station No. 9 (venting to carbon adsorption canisters), three stormwater transfer pumps, a process waste water pump, and an oil skim pump.</p> <p>A Permit to Construct was issued for the equipment under A/N 227851, on August 13, 1991. Under this application, installation of air pollution control devices (gasketed fixed covers on separator bays) and update of equipment description was permitted.</p> <p>Previously the equipment was permitted under Permit No. M61202 (A/N 159654), issued on March 20, 1988.</p> <p>Previous to this the equipment was permitted under Permit No. M29330 (A/N C35268), issued on February 1, 1983.</p>
D2747, C2748 (Process 15; System 9)	F83154/419917	7/12/06	This equipment (stormwater sump and carbon canisters) is permitted under Permit No. F83154, issued under A/N 419917 on July 12, 2006. Prior to this the equipment was not permitted by the District.
D2752, C2753 (Process 15; System 9)	F83158/428175	7/12/06	This equipment (stormwater sump and carbon canisters) is permitted under Permit No. F83158, issued under A/N 428175 on July 12, 2006. Prior to this the equipment was not permitted by the District.
D2754, D2755, C2756 (Process 15; System 9)	F83160/428177	7/12/06	This equipment (stormwater sump and carbon canisters) is permitted under Permit No. F83160, issued under A/N 428177 on July 12, 2006. Prior to this the equipment was not permitted by the District.
D2757, C2758 (Process 15; System 9)	F83161/428179	7/12/06	This equipment (stormwater sump and carbon canisters) is permitted under Permit No. F83161, issued under A/N 428179 on July 12, 2006. Prior to this the equipment was not permitted by the District.
D2759, C2760 (Process 15; System 9)	F83162/428180	7/12/06	This equipment (stormwater sump and carbon canisters) is permitted under Permit No. F83162, issued under A/N 428180 on July 12, 2006. Prior to this the equipment was not permitted by the District.
D2761, C2762 (Process 15; System 9)	F83163/428181	7/12/06	This equipment (stormwater sump and carbon canisters) is permitted under Permit No. F83163, issued under A/N 428181 on July 12, 2006. Prior to this the equipment was not permitted by the District.
D2787, C2788 (Process 15; System 9)	F86974/438639	1/16/07	This equipment (stormwater sump and carbon canisters) is permitted under Permit No. F86974, issued under A/N 438639 on January 16, 2007. Prior to this the equipment was not permitted by the District.
D2811, C2812 (Process 15; System 9)	F88909/439824	4/16/07	This equipment (stormwater sump and carbon canisters) is permitted under Permit No. F88909, issued under A/N 439824 on April 16, 2007. Prior to this, the equipment was not permitted by the District.
C2445 (Process 21; System 8)	F90555/419818 F49904/396043 F18960/341335 D71132/274315	6/13/07 3/11/02 1/21/99 3/12/93	This equipment (portable carbon canisters used in odor control) is currently permitted under Permit No. F90555, issued under A/N 419818 on June 13, 2007. Under this application the equipment was modified by removal of manufacturer and model number information from the facility permit.

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		<p>Previously this equipment was permitted under Permit No. F49904 (A/N 396043) issued on March 11, 2002. Under this application the equipment underwent Change of Ownership from ARCO Products Co. to BP West Coast Products LLC.</p> <p>Previous to this the equipment was permitted under Permit No. F18960 (A/N 341335) issued on January 21, 1999. Under this application, the carbon canisters were first permitted.</p>
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District records of Notices of Violation (NOV) or Notices to Comply (NTC) issued to the BP Carson Refinery over the past three years were reviewed.

NOV P12132 was issued by the District on April 4, 2007. Wastewater Separator Lift Station No. 5 was found to have gaps and canister hoses were found to have tears. According to District Inspector Dairo Moody, the equipment was repaired and found to be in compliance in a follow-up inspection conducted on the day following the original inspection (Attachment #2).

NOV P12139 was issued by the District on June 27, 2008. Wastewater Separator No. 9, which has a floating roof cover, was found to have gaps exceeding ½ inch. District Inspector Dairy Moody performed a re-check the following day and found the equipment to be in compliance.

PROCESS DESCRIPTION

The subject equipment includes Carbon Adsorbers, used to control VOC emissions from vent streams associated with the wastewater treatment process. These devices serve as air pollution control equipment for Oil Water Separators and Sumps in wastewater service (i.e. devices subject to District Rule 1176). With the exception of Carbon Adsorber C2445 (which consists of four portable canisters, each with 400 lbs activated carbon, used in odor control), each carbon adsorber system will consist of two carbon canisters, each with 1000 lbs of activated carbon, connected in series. These systems control VOC emissions, by capturing VOC through adsorption on the surface of activated carbon granules. They are not regenerated on-site; the spent carbon is sealed and then transported off-site for re-activation or disposal.

The carbon canisters contain activated carbon, made of either bituminous coal or coconut shell, which is used to adsorb hydrocarbon vapors. A minimum control efficiency of 95% was expected. The applicant has sought removal of the carbon manufacturer and model number information from the facility permit. The deletion of manufacturer/model number information is granted under these applications, since a permit condition is added to ensure that the replacement activated carbon has a minimum Butane Activity (21.4%) or Carbon Tetrachloride Activity (60%), to ensure that performance specifications are maintained.

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At the BP Carson Refinery, process wastewater is collected and treated through primary oil-water separators, conventional API-type oil water separator, polymer flocculation tanks, and Dissolved Air Flootation (DAF) Units. Wastewater from Treatment Systems No. 1, 4, 6, 7, 8 and 9 is pumped to Tanks 19, 20 and 21. Wastewater Treatment Systems 1, 4, 7, and 9 are designated as Lift Stations and function to pump wastewater to storage tanks. Wastewater Treatment Systems 6 and 8 are designated as Separators and direct wastewater to Treatment System 9, a Lift Station which transports water to tankage. Skimmed oil from the Wastewater Treatment Systems is sent to Tank 83. From Tanks 19, 20, and 21, wastewater is pumped to the No. 9 Oil Separator, then to the No. 5 Oil Trap, followed by processing in the No. 1, 2, and 3 IGF Units for final oil/water separation. Water from the IGF Units is sent to the West IGF Pit/East IGF Pit, then to Tank 95, and finally is discharged to the Los Angeles County District sewer. Polymer is injected prior to flow to the IGF Units and Bleach is added after the West IGF Pit. The IGF Units reduce the Oil & Grease (O&G) content in water from a range of 200 to 2000 ppm, to below the maximum O&G allowed of 75 ppm.

EMISSION CALCULATION

This project for modification of the carbon adsorbers serving wastewater processes does not involve an increase in criteria pollutant emissions. Actually, the modifications are expected to result in reductions in VOC emissions from wastewater separators, wastewater sumps and stormwater sumps. With the exception of C2445, all carbon adsorption trains will consist of two canisters, each with 1000 lbs carbon, which are connected in series. This is expected to offer greater VOC control than carbon adsorption systems with smaller canisters (i.e. < 1000 lbs), or for cases where the carbon canisters are connected in parallel.

Potential emissions of VOC from the subject equipment have been calculated under previous applications and are tabulated below:

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Potential-to-emit of VOC

Equipment Description	Process/System or Device ID	Application Number Under Which Emissions Were Calculated	Uncontrolled VOC Emissions	Controlled VOC Emissions
Wastewater Treatment System No. 1	P 15, S 1, All Devices	283125	0.59 lbs/hr 14.27 lbs/day 5,209 lbs/yr	0.03 lbs/hr 0.71 lbs/day 260 lbs/yr
Wastewater Treatment System No. 4	P 15, S 2, All Devices	283126		
Wastewater Treatment System No. 9/5	P 15, S 6, All Devices	283128		
Carbon Filter, Up to 4 Units, Odor Control	C2445	341335	0.00 lbs/day 0 lbs/yr	0.00 lbs/day 0 lbs/yr
Shops Area Sump/Carbon Filter	D2747, C2748	419917	0.62 lbs/hr 14.82 lbs/day 5,408 lbs/yr	0.012 lbs/hr 0.30 lbs/day 108.2 lbs/yr
Sump Serving Tank 19/20 Basin, Carbon Filter	D2752, C2753	428175		
Pumps/Tag # 000 Sump, Pumps/Tag #0217 Sump, Carbon Filter	D2754, D2755, C2756	428177		
Steamplant Tag #0100 Sump, Carbon Filter	D2757, C2758	428179		
Sump Serving Reservoir 502 Valve Boxes and/or Drain Box, Carbon Filter	D2759, C2760	428180		
S&H Tag #0182S Sump, Carbon Filter	D2761, C2762	428181		
No. 5 Flare Pit Sump, Carbon Filter	D2787, C2788	438639		
Oily Water Stripper Unit Sump, Carbon Filter	D2811, C2812	439824		

TAC Emissions

Since the modifications are expected to improve control of VOC emissions, an improvement in the control of Toxic Air Contaminant (TAC) emissions is also expected. There is no potential for increased TAC emissions from the subject equipment, as a result of this project.

RULE EVALUATION

CEQA: The CEQA Applicability Forms (400-CEQA) indicate that the project does not have any impacts which trigger the preparation of a CEQA document. The carbon adsorber modification project is expected to result in improved VOC control, leading to reductions in emissions. Therefore, the expected impacts of the project on the environment are not significant and preparation of an Environmental Impact Report (EIR) is not required.

Rule 212: Rule 212 requires public noticing for a modification of a source at a facility subject to Regulation XX if it is within 1000 feet of a school. The sources are not within 1000 feet of a school. Rule 212 requires noticing when the emission increases exceed any of the daily maxima specified in Rule 212 (g). The Rule 212(g) limit for VOC is 30 lbs/day. The carbon adsorber modification project does not involve an increase in VOC

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emissions. Public noticing is also required if the modification results in an increase in exposure to Toxic Air Contaminants (TAC) such that the Maximum Individual Cancer Risk (MICR) is greater than 1 in a million (1×10^{-6}). The carbon adsorber modification project is not expected to result in an increase in TAC emissions. Therefore, the project will not result in an increase in MICR of greater than 1×10^{-6} . Public noticing is not required for this project and the requirements of Rule 212 are met.

Rule 401 With proper operation and maintenance, wastewater separators/sumps, stormwater sumps, and carbon adsorbers are not expected to produce visible emissions with a shade as dark as or darker than that designated as Ringelmann No. 1, by the U.S. Bureau of Mines, for a period of 3 minutes in any hour. Therefore, compliance with this rule is expected.

Rule 402 With proper operation and maintenance, the wastewater separators/sumps, stormwater sumps, and carbon adsorbers are not expected to cause a public nuisance. The project is expected to result in greater control of pollutant emissions, thereby lessening the possibility that this equipment will result in public nuisance.

Rule 404 This rule limits the particulate matter concentration to limits according to vent flows, with a maximum of 0.196 grains per dscf. The wastewater separators/sumps, stormwater sumps and carbon adsorbers are not expected to be a source of particulate matter emissions. Therefore, compliance with this rule is expected.

Rule 464 This rule requires that Wastewater Separators (such as separator basins, skimmers, grit chambers, and sludge hoppers) be equipped either with a solid cover with all openings sealed or with a floating roof which has closure seals. The space between the closure seals and the chamber wall must not exceed 1/8 inch for a cumulative length of 97% of the perimeter of the compartment and no gaps may exceed 1/2 inch. Gauging and sampling devices must be equipped with a cover or lid which remains closed except during gauging or sampling. Separator forebays are required to be covered. Skimmed oil or tar from a wastewater separating device must be charged to a process unit with feed, or be transferred to a container which has a Permit to Operate issued by the District. Wastewater Separators at this facility are expected to continue to comply with the requirements of this rule. The project involves upgrade of carbon adsorbers, thereby resulting in improved VOC control efficiency.

Reg IX The standards stated under 40 CFR 60 Subpart QQQ applies to petroleum wastewater systems which have been constructed, modified, or re-constructed after May 4, 1987. Requirements are stated for drain components and oil-water separators. Standards for wastewater separators include that they be equipped with a fixed roof, that the vapor space under the fixed roof not be purged unless vapor is directed to a control device, that

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roof doors and openings be gasketed and kept closed, that roof seals be inspected semiannually and repaired within 15 days of a problem being identified, that each oil-water separator with a design capacity to treat more than 250 gpm of wastewater be equipped with a closed vent/control system meeting requirements of 60.693-5.

Previous Permit to Construct evaluations determined that some of standards for closed vent systems under 60.693-5 are not applicable. The standards which are met include that the carbon adsorbers control VOC emissions by 95% or greater, that the closed vent/control device be operated continually, and that the closed vent system not have emissions exceeding 500 ppm above background, and that all gauging and sampling devices be gas tight. The standards deemed not applicable in previous Permit to Construct evaluations include that the closed vent system be purged to the control device (i.e. that a blower be used to direct vent vapor to the control device) and that a flow indicator be installed in the vent stream leading to the control device to ensure vapors are routed to the device. The sumps/carbon adsorbers are set up so that 100% of vent vapors are directed/controlled by the carbon adsorbers (i.e. the systems are not be equipped with a vent bypass). Therefore, purge devices (typically required when sumps are equipped with a gas blanket system) and flow indicator (typically required when the system is equipped with a vent bypass) are not applicable.

Requirements for drains include that they be equipped with water seal controls, that they be checked monthly for water seal effectiveness, each out-of-service drain shall be checked weekly for problems which could lead to VOC emissions, each out-of-service drain equipped with a cap or plug is to inspected semiannually, and repair of problem drains shall be initiated within 24 hours of detection of problem. Junction boxes shall be equipped with a cover which may have a vent pipe at least 3 feet in length and no more than 4 inches in diameter. Junction box covers are to have a tight seal around the edge and are to be inspected semiannually. Repairs shall be made no more than 15 days after detection of broken seal or gap. Drain system component D2601 will remain in compliance with these requirements.

This project, to standardize carbon adsorbers and permit conditions associated with carbon adsorbers, is expected to result in increased VOC control. Continued compliance with the requirements of this regulation is expected.

Rule 1173 This rule specifies leak control, identification, operator inspection, maintenance, and recordkeeping requirements for valves, pumps, compressors, pressure relief valves, and other components from which fugitive VOC emissions may emanate. The pumps, piping and instrumentation in skim oil service are subject to the requirements of this rule. The facility will continue to perform fugitive VOC emissions monitoring and repair on these components. Per 1173(l)(1)(D), components handling fluids with a VOC content of ten

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percent or less are not subject to the requirements of this rule. The uncontrolled VOC content in vent piping from wastewater systems to carbon adsorbers, is considered to be << less than the content of 10 percent and is therefore not subject to the requirements of this rule.

Rule 1176 System condition S13.6 requires compliance with this rule. This rule limits the concentration of VOC from wastewater systems and closed vent systems to 500 ppm. Sumps and wastewater separators are to be equipped with a floating cover with seals at the periphery of the cover, or a fixed cover venting to an Air Pollution Control (APC) device, or an alternate equivalent device. Sump and wastewater separator are to have covers impermeable to VOCs and free of holes/tears/openings, drains on covers which cover at least 90% of the open area, closed gauging and sampling covers with no visible gap between the cover and separator, closed hatches free of gaps, a cover whose perimeter is free of gaps with the foundation to which it is attached, and floating roofs meeting gap requirements (gap not to exceed 1/8th inch for a cumulative length of 97% of the perimeter of the separator and no gap shall exceed 1/2 inch). The APC is required have a minimum control efficiency of 95% by weight, as determined with an annual performance test, or to limit the VOC concentration at the APC outlet to a maximum of 500 ppm, as determined through monthly testing. The wastewater separators and lift stations associated with Wastewater Treatment Systems 1, 4 and 9/5 and the stormwater sumps each has a fixed cover venting to APC devices with a minimum of 95% VOC control expected. Testing of the carbon adsorber exhaust at a frequency of twice per week ensures that VOC concentrations are maintained below 500 ppm.

Reg XIII This rule contains requirements including that equipment meet standards considered Best Available Control Technology (BACT), that emissions offsets are provided for increases in non-attainment air contaminant emissions, and that modeling be conducted to assess the impacts of the project on ambient air quality. The carbon adsorber modification project is expected to result in enhancement in VOC control and therefore does not involve an increase in criteria pollutant emissions. Therefore, this project is exempt from requirements of Reg XIII.

Rule 1401 This rule has requirements that the project not result in an increase in Maximum Individual Cancer Risk (MICR) of 1×10^{-6} , if T-BACT is not applied, or 10×10^{-6} if T-BACT is employed. Chronic and acute hazard indices are not to exceed 1.0, and cancer burden is to be limited to 0.5. The carbon adsorber modification project is not expect to result in an increase in TAC emissions and therefore, per 1401(g)(1)(B) for modifications with no increase in risk, it is exempt from the requirements of this rule.

Reg XVII This rule applies to emissions of pollutants from the facility for which attainment of ambient air quality standards has been achieved in the South Coast Air Basin (NO₂, SO₂,

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lead and CO). The wastewater separators/sumps, stormwater sumps, and carbon adsorbers will not emit these pollutants. Therefore, Reg XVII requirements do not apply to this modification.

Reg XX The facility is a part of the District’s RECLAIM program and therefore is subject to RECLAIM requirements. However, the subject equipment (wastewater separators/sumps, stormwater sumps, and carbon adsorbers) does not emit NO_x or SO₂ and therefore RECLAIM requirements do not apply to this project.

Reg XXX The facility is subject to Reg XXX and a Title V permit was issued to this facility on September 1, 2009. Since the project results in no increase in Reg XIII pollutants and Hazardous Air Pollutants (HAP) emissions, it involves a Minor Revision of the Title V permit. As a Minor Revision, it is subject to the 45 day EPA review process but not to public noticing requirement.

40 CFR 63, Subpart CC This regulation defines a Group 1 Wastewater Streams as a stream which has a total annual benzene loading of 10 megagrams per year or greater, has a flow rate of 0.02 liters per minute or greater and a benzene concentration of 10 ppm or greater. Group 1 Wastewater Streams are required to meet applicable standards under 40 CFR Subpart FF, sections 61.340 through 61.355. The subject wastewater separators/sumps, stormwater sumps, and carbon adsorbers are not classified as Group 1 Wastewater Streams and are therefore regarded as Group 2 Wastewater Streams. As such, they not required to meet any control standards or work practices standards under this regulation. Group 2 Wastewater Streams are subject to recordkeeping requirements only.

Device D2600, “Fugitive Emission, Drains” is classified as a Group 1 Wastewater Stream. As such it is required to meet requirements under 40 CFR 61 Subpart FF. Requirements for Individual Drain Systems, stated in section 61.346, include that the drain system be equipped with a cover and vented to a closed vent system. The cover and all openings shall operate with no detectable emissions, as indicated by an instrument reading below 500 ppm above background, as determined initially and annually through testing. Each opening shall be closed and sealed when waste is in the drain system, except during periods of waste sampling or removal, equipment inspection, maintenance, or repair. Each cover and opening is required to be checked by visual inspection initially and quarterly, thereafter, to ensure there are no cracks or gaps and that all openings are closed and sealed. When a crack or gap is observed or detectable emissions are measured, first efforts to repair shall be made as soon as practical but no later than 15 days after detection. Alternately, the operator may equip a drain system with a water seal control or tightly sealed cap or plug. Junction boxes shall have a cover and may have a vent pipe, at least 3 feet in length and no more than 4 inches in diameter. The junction box shall have a tight seal around the edges. The junction box vent shall be quipped with

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a control system to eliminate venting to the atmosphere during normal operation. Each sewer line is to be covered or enclosed so that there are not visible cracks or gaps. Each water seal control, cap, plug, junction box, and sewer line is to be inspected initially and quarterly thereafter, to ensure proper operation and there are no leaks. When a broken seal, crack or other problem is detected, first efforts to repair shall be made as soon as practical but no later than 15 days after detection. Continued compliance with these standards is expected.

RECOMMENDATIONS

Issue the Permit to Operate with the following permit conditions.

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

<u>Contaminant</u>	<u>Rule</u>	<u>Rule/Subpart</u>
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 1, 2, 6, 9]

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

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

[Devices subject to this condition: D1627, D1637]

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

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.

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[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: C1628, C1630, C1638, C1640, C2014]

D90.8 The operator shall periodically monitor the VOC concentration at the outlet of the first carbon canister and at the exit to the atmosphere according to the following specifications:

The operator shall use EPA 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, at least three days apart.

[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: C2748, C2753, C2756, C2758, C2760, C2762, C2788, C2812]

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: D992, D1008, D1009, D1627, D1637]

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: C1628, C1630, C1638, C1640, C2014, C2445, C2748, C2753, C2756, C2758, C2760, C2762, C2788, C2812]

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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.

[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: C1628, C1630, C1638, C1640, C2014]

E153.2 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 first carbon canister. 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 ~~change over~~ replace the carbon in the adsorber, the operator shall remove the first carbon canister, replace it with a fresh carbon adsorber or rotate the second ~~canister~~ adsorber in series to first, and put in a new second carbon ~~canister~~ adsorber.

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

[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: C2748, C2753, C2756, C2758, C2760, C2762, C2788, C2812]

E153.3 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, as methane, at the outlet of the carbon filter adsorber.

If breakthrough occurs, the spent carbon filter 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.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 402, 5-7-1976]

[Devices subject to this condition: C2445]

~~E153.4 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 carbon canister. If breakthrough occurs, the spent carbon filter 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.~~

~~On an annual basis, without regard to whether breakthrough has occurred, BP West Coast Products LLC shall put in a new carbon canister.~~

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

~~[Devices subject to this condition: C2445]~~

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: D992, D1008, D1009, D1627]

~~E193.20 The operator shall install this equipment according to the following specifications:~~

~~The activated carbon used in the adsorber shall have a Butane Activity of not less than 21.4%, as measured by ASTM Method D5742, or Carbon Tetrachloride (CTC) Activity of not less than 60%, as measured by ASTM Method D3467.~~

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

~~[Devices subject to this condition: C1638, C1640]~~

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: D992, D1007, D1008, D1009, D1010, D1013, D1014, D1015, D1016, D1627, D1637, D2008, D2009, D2010, D2011, D2012, D2013, D2601, D2878, D2811]

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

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

[Devices subject to this condition: D992, D1008, D1009, D1010, D1627, D1637, D2008, D2009, D2010, D2011, D2012, D2013, D2752, D2754, D2755, D2757, D2759, D2761, D2787]

H23.22 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

[RULE 1176, 9-13-1996]

[Devices subject to this condition: D2600]

H23.26 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	1123

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

[Devices subject to this condition: D2747, D2811]

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]

[Devices subject to this condition: C1628, C1630, C1638, C1640, C2014, C2445, C2748, C2753, C2756, C2758, C2760, C2762, C2788, C2812]