



## FACILITY PERMIT TO OPERATE

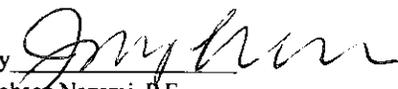
**BP WEST COAST PRODUCTS LLC, BP WILMINGTON  
1175 CARRACK AVE  
WILMINGTON, CA 90748**

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
for Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
<b>System 1: GREEN COKE RECEIVING/UNLOADING AND STORAGE</b>					S7.1, S20.1
BULK MATERIAL UNLOADING STATION, HOP0001, PETROLEUM COKE, TRUCK OR RAILCAR UNLOADING, WITH A RECEIVING HOPPER A/N: 420220	D1			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, C1.9, D323.2, E125.1
CONVEYOR, C0000, DISCHARGING RAW COKE A/N: 420220	D2			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
CONVEYOR, BELT, C0001, GREEN COKE RECEIVING AND WEIGHING A/N: 420220	D3			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
CONVEYOR, BELT, C0002, GREEN COKE RECEIVING AND WEIGHING A/N: 420220	D4			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
CONVEYOR, C0003, TRANSFERRING RAW COKE A/N: 420220	D5			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
CONVEYOR, C0004, DISTRIBUTING RAW COKE A/N: 420220	D6			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
STORAGE BUILDING, BLD0002, PETROLEUM GREEN COKE, WIDTH: 163 FT ; HEIGHT: 78 FT 10 IN; LENGTH: 321 FT A/N: 420220	D7			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2
MECHANICAL SHAKER, RAILCAR, PETROLEUM GREEN COKE A/N: 420220	D106				
<b>System 2: LIME RECEIVING/UNLOADING AND STORAGE</b>					S20.1

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

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STORAGE SILO, HOP0006, LIME, 290 SQ.FT TOTAL FILTER AREA, WITH FABRIC FILTER, HEIGHT: 51 FT 7 IN; DIAMETER: 12 FT A/N: 420218	D8			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	C1.2, D322.1, D381.1, E102.1, E184.1, K67.2
<b>System 3: PETROLEUM COKE CALCINING AND APC</b>					S7.2, S20.1
CONVEYOR, XXR0001, SCRAPING CONVEYOR, (RAW COKE RECLAIMER) A/N: 421461	D12			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, C0006, RAW COKE RECLAIMER A/N: 421461	D13			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0007, TRANSFERRING RAW COKE A/N: 421461	D14			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0008, TRANSFERRING AND DISTRIBUTING RAW COKE A/N: 421461	D15			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BIN, SURGE, HOP0002, RAW COKE, HEIGHT: 33 FT ; DIAMETER: 22 FT 4 IN A/N: 421461	D16			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, WF0009A&B, WEIGHING BELT CONVEYOR, RAW COKE, 2 TOTAL A/N: 421461	D17			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BIN, SURGE, HOP0003, RAW COKE, HEIGHT: 39 FT ; DIAMETER: 22 FT 4 IN A/N: 421461	D18			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2

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|--|---|
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| (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 limit (e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits                        | (10) See section J for NESHAP/MACT requirements               |

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<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
CONVEYOR, BELT, C0010A&B, WEIGHED RAW COKE KILN FEED, WITH A MAGNETIC SEPARATOR, 2 TOTAL A/N: 421461	D91			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
KILN, KLN0001, ROTARY, KENNEDY VAN SAUN, DIESEL FUEL, NATURAL GAS, WITH OXYGEN INJECTION SYSTEM AND A DUST RETURN LINE, 120 MMBTU/HR A/N: 420215	D20	C67	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5B) [RULE 409, 8-7-1981]; SOX: 2.55 LBS/TON MATERIAL (2) [RULE 1703 - PSD Analysis, 10-7-1988]	A63.3, C1.8, D28.1, D323.1, E73.1, K40.1
COOLER, COL0001, CALCINED COKE, ROTARY A/N: 420215	D21	C66		PM: (9) [RULE 405, 2-7-1986]	D323.2
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, ENG0002, DIESEL FUEL, AUXILIARY COOLER DRIVE, 9.5 HP A/N: 420215	D79		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	PM: (9) [RULE 404, 2-7-1986]	
DUST COLLECTOR, MECHANICAL, PRIMARY DUST COLLECTOR, DC0001, WHEELABRATOR, MODEL 106A QWHS, ORGAN PIPE DESIGN A/N: 420210	C66	D21 C67			D323.1, E102.1
AFTERBURNER, PYROSCRUBBER, PS0001, DIESEL FUEL, NATURAL GAS, WITH A PYROSCRUBBER BUSTLE AIR FAN, 130 MMBTU/HR A/N: 421462	C67	D20 C66 S72 D104	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5B) [RULE 409, 8-7-1981]	C8.1, D323.1, D328.1

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(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
SCRUBBER, LIME FOR SCRUBBING, SPRAY CHAMBER REACTOR, DRY0001, SO2 ABSORBING A/N: 517770	C68	C69 D104			D323.1
BOILER, WASTE HEAT RECOVERY BOILER A/N: 517770	D104	C67 C68 C102			
BAGHOUSE, BH0007, ECOLAIRE, MODEL 12-8400 SERIES "83", WITH A 1500 H.P. EXHAUST BLOWER, WITH BAGHOUSE LEAK DETECTION SYSTEM, 107780 SQ.FT. A/N: 527388	C69	C68 S71		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D28.2, D29.1, D322.1, D381.3, E71.1, E102.1, E193.4, H23.6, K40.2, K67.2
STACK, STK0001, PROCESS STACK A/N: 527388	S71	C69			D82.1
STACK, STK0002, EMERGENCY A/N: 421462	S72	C67			
CONVEYOR, SCREW, SC0006, WEIGH FEEDER WITH CONVEYOR, LIME SLAKING AND INJECTION SYSTEM A/N: 420217	D9			PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2
LIME SLAKER, LS0001, LIME, LIME SLAKING AND INJECTION SYSTEM A/N: 420217	D10	C11		PM: (9) [RULE 405, 2-7-1986]	C1.6, D323.2
COMPARTMENT, WATER SPRAY/ASPIRATOR A/N: 420217	C11	D10		PM: (9) [RULE 404, 2-7-1986]	

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<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
UREA INJECTION SYSTEM, WITH INJECTION NOZZLES, WITH PRESSURE REGULATORS AND COMMON FEED MANIFOLD WITH A/N: 396621  TANK, UREA FEED  PUMP, CHEMICAL METERING  PUMP, CHEMICAL METERING  PUMP, WATER BOOST  PUMP, WATER BOOST	C102	D104		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	A305.1, D90.1, K67.3
<b>System 4: PRODUCT HANDLING, STORAGE AND LOADING</b>					S7.1
CONVEYOR, BELT, C00011, COOLER DISCHARGING, CALCINED COKE A/N: 421466	D22	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0012, DEDUST MIXER BYPASS, CALCINED COKE A/N: 421466	D23	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, C0013, COOLER BATCH DUMPING, CALCINED COKE A/N: 421466	D24	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, SCREW, SC0012, MIXING, DEDUST CALCINED COKE A/N: 421466	D25	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, SCREW, SC0013, MIXING, DEDUST CALCINED COKE A/N: 421466	D26	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2

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<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
CONVEYOR, BELT, C0014, TRANSFERRING AND CHARGING, CALCINED COKE A/N: 421466	D27	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0016, TRANSFERRING AND CHARGING, CALCINED COKE A/N: 421466	D28	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0017, TRANSFERRING AND DISCHARGING, CALCINED COKE A/N: 421466	D29	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0018A, SILO DISCHARGING, CALCINED COKE A/N: 421466	D30	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0018B, SILO DISCHARGING, CALCINED COKE A/N: 421466	D31	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0018C, SILO DISCHARGING, CALCINED COKE A/N: 421466	D32	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0018D, SILO DISCHARGING, CALCINED COKE A/N: 421466	D33	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
STORAGE SILO, SIL0001, CALCINED COKE, HEIGHT: 68 FT ; DIAMETER: 71 FT 3 IN A/N: 421468	D34	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
STORAGE SILO, SIL0002, CALCINED COKE, HEIGHT: 68 FT ; DIAMETER: 71 FT 3 IN A/N: 421469	D35	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2

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 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
STORAGE SILO, SIL0003, CALCINED COKE, HEIGHT: 68 FT ; DIAMETER: 71 FT 3 IN A/N: 421471	D36	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
STORAGE SILO, SIL0004, CALCINED COKE, HEIGHT: 68 FT ; DIAMETER: 71 FT 3 IN A/N: 421472	D37	C73		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BUCKET ELEVATOR, BE0002, RECLAIMED CALCINED COKE A/N: 421475	D42	C70		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0021, CALCINED COKE RECLAIMER A/N: 421475	D43	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0022, CALCINED COKE RECLAIMER A/N: 421475	D44	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0023, CALCINED COKE RECLAIMER A/N: 421475	D45	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0024, CALCINED COKE RECLAIMER A/N: 421475	D74	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0025, TRANSFERRING CALCINED COKE A/N: 421475	D46	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0026, TRANSFERRING CALCINED COKE WITH A DISTRIBUTOR A/N: 421475	D47	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CONVEYOR, BELT, C0027, TRANSFERRING CALCINED COKE A/N: 421475	D50	C54 C77		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2

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<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
BIN, SURGE, HOP0005, TRUCK LOADOUT, 19774 CU.FT.; WIDTH: 28 FT 6 IN; HEIGHT: 27 FT 1 IN; LENGTH: 40 FT 6 IN A/N: 421475	D55	C77		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BULK MATERIAL LOAD/UNLOAD STATION, SP0003, SP0004, SP0005 & SP0006, CALCINED COKE, TRUCK LOADING STATION, 4 TOTAL A/N: 421475	D56	C77		PM: (9) [RULE 405, 2-7-1986]	A63.2, C1.5, D323.2, E125.1
BIN, VIBRATING DISCHARGE, CALCINED COKE A/N: 420213	D110			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
FEEDER, VIBRATING, CALCINED COKE A/N: 420213	D111			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BIN, SURGE, HOP0004, RAIL CAR LOADOUT, 13718 CU.FT.; WIDTH: 19 FT 4 IN; HEIGHT: 24 FT 3 IN; LENGTH: 40 FT A/N: 420213	D51	C54		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BULK MATERIAL LOAD/UNLOAD STATION, SP0001&SP0002, CALCINED COKE, RAIL CAR LOADING STATION, 2 TOTAL A/N: 420213	D52	C54		PM: (9) [RULE 405, 2-7-1986]	A63.2, C1.5, D323.2
STORAGE SILO, NO. 5, CALCINED COKE EMERGENCY DUMP AREA,, WITH ENCLOSURE, PETROLEUM COKE, EQUIPPED WITH A WATER SPRAY SYSTEM, WIDTH: 25 FT ; HEIGHT: 16 FT 3 IN; LENGTH: 18 FT A/N: 502187	D114			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2

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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
<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
HOPPER, XXC0001, PORTABLE, CALCINED COKE CLEANUP, PETROLEUM COKE, EQUIPPED WITH MANUALLY ACTIVATED WATER SPRINKLER SYSTEM A/N: 420214	D112			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2, E193.1
CONVEYOR, XXC0001, CALCINED COKE CLEANUP, PETROLEUM COKE A/N: 420214	D113			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
CHUTE, MAINTENANCE CHUTE, CALCINED COKE EMERGENCY DUMP, PETROLEUM COKE, WITH A MANUALLY ACTIVATED WATER SPRINKLER SYSTEM A/N: 502187	D115			PM: (9) [RULE 405, 2-7-1986]	A63.2, A103.1, D323.2, E193.2, E193.3
<b>System 5: DUST COLLECTION</b>					
BAGHOUSE, BH0002, WHEELABRATOR, MODEL 108, WITH A 100 H.P. BLOWER, 6100 SQ.FT. A/N: 396588	C70	D22 D23 D24 D25 D26 D27 D28 D29 D42		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, K67.2
CONVEYOR, SCREW, SC0003, CALCINED COKE DUST A/N: 396588	D48			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BUCKET ELEVATOR, BE0001, CALCINED COKE DUST A/N: 396588	D49	C76		PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BAGHOUSE, BH0009, MIKROPUL, CONSISTING OF TWO MODULES, EACH 1357 SQ.FT. FILTER AREA A/N: 396589	C73	D30 D31 D32 D33 D34 D35 D36 D37		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, K67.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (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.



## FACILITY PERMIT TO OPERATE BP WEST COAST PRODUCTS LLC, BP WILMINGTON

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
BAGHOUSE, BH0003, ECOLAIRE, MODEL 750-9, WITH A 125 H.P. BLOWER, 6750 SQ.FT. A/N: 396591	C76	D43 D44 D45 D46 D47 D49 D74		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, K67.2
CONVEYOR, SCREW, SC0002, RECOVERED CALCINED COKE A/N: 396591	D38			PM: (9) [RULE 405, 2-7-1986]	A63.2, D323.2
BAGHOUSE, BH0005, ECOLAIRE, MODEL 625-4, WITH A 50 H.P. BLOWER, 2500 SQ.FT. A/N: 396585	C54	D50 D51 D52		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, K67.2
BAGHOUSE, BH0004, ECOLAIRE, MODEL 900-4, WITH A 60 H.P. BLOWER, 3600 SQ.FT. A/N: 396620	C77	D50 D55 D56		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D322.1, D381.2, E102.1, K67.2
CONVEYOR, PNEUMATIC, PU0067, GYPSUM A/N: 396580	D60			PM: (9) [RULE 405, 2-7-1986]	D323.2
VESSEL, BH0008, RECEIVER SEPARATOR, FLEKKLEEN, MODEL 84 CTBC, WITH FABRIC FILTER, 720 SQ.FT. A/N: 396580	D61	D62		PM: (9) [RULE 405, 2-7-1986]	D322.1, D381.2, E102.1, K67.2
STORAGE SILO, HOP0007, GYPSUM, BIN VENT: FLEKKLEEN, 281 SQ.FT. FILTER AREA, WITH FABRIC FILTER, HEIGHT: 51 FT 7 IN; DIAMETER: 21 FT 7 IN A/N: 396580	D62	D61 D63 D64 D65		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D322.1, D381.1, E102.1, K67.2

\* (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 limit (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.



## FACILITY PERMIT TO OPERATE BP WEST COAST PRODUCTS LLC, BP WILMINGTON

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: CALCINED PETROLEUM COKE PRODUCTION</b>					P13.1
BULK MATERIAL LOAD/UNLOAD STATION, DSH0025, GYPSUM, TRUCK LOADING STATION WITH A TELESCOPING CHUTE A/N: 420211	D63	D62		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2
BULK MATERIAL LOAD/UNLOAD STATION, AS0001, GYPSUM, TRUCK LOADING STATION WITH AN AIRSLIDE CONVEYOR A/N: 420211	D64	D62		PM: (9) [RULE 405, 2-7-1986]	A103.1, C1.4, D323.2
MIXER, PB0001, GYPSUM A/N: 420211	D65	D62		PM: (9) [RULE 405, 2-7-1986]	D323.2
<b>Process 2: INTERNAL COMBUSTION ENGINE</b>					
<b>System 1: EMERGENCY INTERNAL COMBUSTION ENGINE</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, ENG0001, DIESEL FUEL, 68 HP A/N: 396625	D78		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 31.2 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	C1.7, D12.2, D135.1, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, ENG003, DIESEL FUEL, CUMMINS, MODEL NT-855-F2, 380 HP A/N: 396592	D80		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 31.2 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	C1.7, D12.2, D135.1, H23.5, K67.5
<b>Process 3: STORAGE TANK</b>					
<b>System 1: FIXED ROOF</b>					

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



## FACILITY PERMIT TO OPERATE BP WEST COAST PRODUCTS LLC, BP WILMINGTON

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 3: STORAGE TANK</b>					
STORAGE TANK, FIXED ROOF, DIESEL FUEL, 20000 GALS; DIAMETER: 15 FT 6 IN; HEIGHT: 15 FT A/N: 396613	D81				
STORAGE TANK, FIXED ROOF, DEDUST OIL, 28000 GALS; DIAMETER: 18 FT ; HEIGHT: 15 FT A/N: 396623	D82				
<b>Process 4: RULE 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E94			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-9-2004; RULE 1171, 11-7-2003]	K67.1
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E95			VOC: (9) [RULE 1171, 11-7-2003]	H23.3
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E96				H23.2
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E105				H23.4

\* (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 limit (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.



AQMD

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

Section D Page: 13  
Facility ID: 131249  
Revision #: 10  
Date: February 07, 2012

**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	1
D2	1	1	1
D3	1	1	1
D4	1	1	1
D5	1	1	1
D6	1	1	1
D7	1	1	1
D8	2	1	2
D9	4	1	3
D10	4	1	3
C11	4	1	3
D12	2	1	3
D13	2	1	3
D14	2	1	3
D15	2	1	3
D16	2	1	3
D17	2	1	3
D18	2	1	3
D20	3	1	3
D21	3	1	3
D22	5	1	4
D23	5	1	4
D24	5	1	4
D25	5	1	4
D26	5	1	4
D27	6	1	4
D28	6	1	4
D29	6	1	4
D30	6	1	4
D31	6	1	4
D32	6	1	4
D33	6	1	4
D34	6	1	4
D35	6	1	4
D36	7	1	4



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: DEVICE ID INDEX**

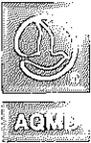
Device Index For Section D			
Device ID	Section D Page No.	Process	System
D37	7	1	4
D38	10	1	5
D42	7	1	4
D43	7	1	4
D44	7	1	4
D45	7	1	4
D46	7	1	4
D47	7	1	4
D48	9	1	5
D49	9	1	5
D50	7	1	4
D51	8	1	4
D52	8	1	4
C54	10	1	5
D55	8	1	4
D56	8	1	4
D60	10	1	5
D61	10	1	5
D62	10	1	5
D63	11	1	5
D64	11	1	5
D65	11	1	5
C66	3	1	3
C67	3	1	3
C68	4	1	3
C69	4	1	3
C70	9	1	5
S71	4	1	3
S72	4	1	3
C73	9	1	5
D74	7	1	4
C76	10	1	5
C77	10	1	5
D78	11	2	1
D79	3	1	3



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D80	11	2	1
D81	12	3	1
D82	12	3	1
D91	3	1	3
E94	12	4	0
E95	12	4	0
E96	12	4	0
C102	5	1	3
D104	4	1	3
E105	12	4	0
D106	1	1	1
D110	8	1	4
D111	8	1	4
D112	9	1	4
D113	9	1	4
D114	8	1	4
D115	9	1	4



## FACILITY PERMIT TO OPERATE BP WEST COAST PRODUCTS LLC, BP WILMINGTON

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

#### FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

F33.1 The operator shall comply with the requirements and conditions of the Approval to Construct/Modify issued by the U.S. EPA for this facility.

All requirements and conditions of the Approval to Construct/Modify issued by the U.S. EPA on December 11, 1980 (Ref. NSR 4-4-9/LA 80-03) and subsequent amendments on November 4, 1986 and May 6, 1998 are incorporated into this permit. Compliance with this permit shall be considered as compliance with EPA Approval to Construct/Modify.

[RULE 1703 - PSD Analysis, 10-7-1988; 40CFR 52 Subpart A, 3-12-1996]



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

**PROCESS CONDITIONS**

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1158

[RULE 1158, 6-11-1999]

[Processes subject to this condition : 1]

**SYSTEM CONDITIONS**

S7.1 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall regularly wash exterior conveyors and return belts, overhead structures and ground area down to the coke laden water return system to avoid accumulation of coke dust.

The operator shall clean the exterior of the vehicle (including the tires) hauling the petroleum coke prior to leaving the working site.

The operator shall drive all outgoing petroleum coke trucks, whether filled or empty, through the truck wash system in order to thoroughly wash any residual coke off the exterior of the trucks.

[RULE 1158, 6-11-1999; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]



## FACILITY PERMIT TO OPERATE BP WEST COAST PRODUCTS LLC, BP WILMINGTON

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Systems subject to this condition : Process 1, System 1 , 4]

S7.2 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall regularly wash exterior conveyors and return belts, overhead structures and ground area down to the coke laden water return system to avoid accumulation of coke dust.

[RULE 1158, 6-11-1999; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

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

S20.1 For the purposes of determining compliance with District Rule 405, solid particulate matter emissions shall be based on the combined emissions from all points of this system.

[RULE 405, 2-7-1986]

[Systems subject to this condition : Process 1, System 1 , 2 , 3]

### DEVICE CONDITIONS

#### A. Emission Limits

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

[RULE 1158, 7-11-2008]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D12, D13, D14, D15, D16, D17, D18, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D55, D56, D74, D91, D110, D111, D112, D113, D114, D115]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 42.8 LBS IN ANY ONE DAY
PM10	Less than or equal to 407 LBS IN ANY ONE DAY
CO	Less than or equal to 828 LBS IN ANY ONE DAY

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

[Devices subject to this condition : D20]

A103.1 The operator shall keep materials received sufficiently moist to prevent fugitive dust emissions.

[RULE 1158, 12-2-1983; RULE 1158, 6-11-1999]

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D64, D114, D115]

A305.1 Whenever the basic equipment connected to this equipment is in operation, the urea injection system may be operated at any control efficiency provided that the emission concentrations being monitored by the certified CEMS serving this equipment is below the valid upper range specified in the approved CEMS plan.



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : C102]

**C. Throughput or Operating Parameter Limits**

C1.2 The operator shall limit the material processed to no more than 4608 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as lime.

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

[Devices subject to this condition : D8]

C1.3 The operator shall limit the material processed to no more than 2700 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as lime.

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

[Devices subject to this condition : D9]

C1.4 The operator shall limit the material processed to no more than 9000 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as gypsum.

This limit shall be based on the total combined limit for equipment D63 & D64.



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

[Devices subject to this condition : D63, D64]

C1.5 The operator shall limit the material processed to no more than 7200 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as calcined coke.

This limit shall be based on the total combined limit for equipment D52 and D56.

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

[Devices subject to this condition : D52, D56]

C1.6 The operator shall limit the loading rate to no more than 2700 ton(s) in any one calendar month.

For the purpose of this condition, loading rate shall be defined as dry lime charged to the lime slaker.

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

[Devices subject to this condition : D10]

C1.7 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

**[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]**

[Devices subject to this condition : D78, D80]



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

- C1.8 The operator shall limit the material processed to no more than 2400 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as green coke.

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

[Devices subject to this condition : D20]

- C1.9 The operator shall limit the material processed to no more than 120000 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as green coke.

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

[Devices subject to this condition : D1]

- C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 2200 Deg F.

This condition shall only apply when not operating under startup or shutdown mode.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the pyroscrubber exhaust.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. The accuracy of the device shall be verified once every 12 months.

The operator shall also install and maintain a device to continuously record the parameter being measured.



## FACILITY PERMIT TO OPERATE BP WEST COAST PRODUCTS LLC, BP WILMINGTON

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C67]

#### D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

The operator shall record the parameter being monitored once every 24 hours.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C54, C69, C70, C73, C76, C77]

D12.2 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 2-1-2008; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]

[Devices subject to this condition : D78, D80]

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:



**FACILITY PERMIT TO OPERATE  
BP WEST COAST PRODUCTS LLC, BP WILMINGTON**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

The test shall be conducted to determine the PM10 emissions at the outlet.

The District shall be notified of the date and time of the test at least 3 days prior to the test.

The test shall be conducted to determine the VOC emissions at the outlet.

Source test shall be conducted when this equipment is operating at normal load.

The test shall be conducted to demonstrate compliance with emission limits specified under Cond. No. A63.3.

The test shall be conducted at least once every three years.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring,  
12-12-1997]**

[Devices subject to this condition : D20]

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:



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

The test shall be conducted to determine SOx emissions at the outlet of the baghouse.

The test shall be conducted to demonstrate compliance with SOx emission limits specified by permit condition E71.1.

The District shall be notified of the date and time of the test at least 30 days prior to the test.

The test shall be conducted using previously approved District test methods.

The test shall be conducted at least annually.

The test shall be conducted when the coke calciner plant is operating at 80% or greater of maximum capacity.

[RULE 1703(a)(3) PSD Analysis, 10-7-1988; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 52 Subpart A, 3-12-1996]

[Devices subject to this condition : C69]

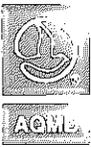
D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM10 emissions	Approved District method	District-approved averaging time	Outlet

The test shall be conducted when the equipment is operating under normal conditions.

The test(s) shall be conducted at least annually.

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



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

[Devices subject to this condition : C69]

**D82.1 The operator shall install and maintain a CEMS to measure the following parameters:**

NOX concentration in ppmv

SOX concentration in ppmv

The CEMS will convert the actual NOX concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

The CEMS will convert the actual SOX concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

The CEMS shall be installed and maintained to totalize the exhaust gas flow rate in dry standard cubic feet.

**[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : S71]

**D90.1 The operator shall periodically analyze the outlet ammonia concentration in ppm by volume corrected to 3 percent oxygen, dry basis, according to the following specifications:**

The operator shall use a District approved method to analyze the parameter.

The operator shall analyze once every year or whenever ammonia injection port / station or injection nozzle size is changed.

**[RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)  
(4)-Periodic Monitoring, 12-12-1997]**



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

[Devices subject to this condition : C102]

- D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

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

[Devices subject to this condition : D78, D80]

- D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

[Devices subject to this condition : D8, C54, D61, D62, C69, C70, C73, C76, C77]



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

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 semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual 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 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.



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

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

[**Devices subject to this condition : D20, C66, C67, C68**]



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

D323.2 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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual 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 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.



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

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

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D9, D10, D12, D13, D14, D15, D16, D17, D18, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D55, D56, D60, D63, D64, D65, D74, D91, D110, D111, D112, D113, D114, D115]

- D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 407. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : C67]



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

D381.1 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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual 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, the operator shall 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.

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; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : D8, D62]



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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D381.2 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 quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly 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, the operator shall 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.

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; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : C54, D61, C70, C73, C76, C77]



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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D381.3 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 monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly 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, the operator shall 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.

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; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : C69]

#### **E. Equipment Operation/Construction Requirements**

E71.1 The operator shall not discharge or cause the discharge from this equipment for a maximum 2-hour average, SO<sub>2</sub> in excess of 131 pounds per hour or 2.55 pounds per ton of green coke feed. The emission limit of 2.55 pounds per ton of green coke feed shall not apply during periods of startup and shutdown when green coke feed rates are low or zero. Compliance with this condition shall be determined by performance tests and/or continuous emission monitoring conducted at the exhaust of the stack.



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

**[RULE 1703 - PSD Analysis, 10-7-1988; 40CFR 52 Subpart A, 3-12-1996]**

[Devices subject to this condition : C69]

- E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use the oxygen injection system to minimize VOC and CO emissions from this equipment if all of the following requirement(s) are met:

Process weight is below 1980 tons/day

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

[Devices subject to this condition : D20]

- E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

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

[Devices subject to this condition : D8, C54, D61, D62, C66, C69, C70, C73, C76, C77]

- E125.1 The operator shall drive all the outgoing petroleum coke trucks, whether filled or empty, through the truck wash system in order to thoroughly wash any residual coke off the exterior of the trucks.

**[RULE 1158, 6-11-1999]**

[Devices subject to this condition : D1, D56]

- E184.1 The operator shall thoroughly clean the filters in the filter vents immediately after each load of material is received.



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

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D8]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall activate the water sprinkler system when the hopper is in operation.

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

[Devices subject to this condition : D112]

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall activate the water sprinkler system during all emergency coke dump incidents.

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

[Devices subject to this condition : D115]

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall only operate this equipment during periods of maintenance and inspection of the hot coke diversion system.

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



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

[Devices subject to this condition : D115]

E193.4 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall maintain the bag leak detection system (BLDS) in the manifolds or connecting ducts joining the baghouse outlets.

The operator shall calibrate the bag leak detection system (BLDS) for expected exhaust stack particulate concentration so that the detectors will accurately alert the equipment operator of the occurrence of broken or leaking bags.

Documentation verifying the calibration of the bag leak detection system (BLDS) shall be maintained on file and made available upon request of District personnel.

The bag leak detection system (BLDS) shall be equipped with visual and audible alarms.

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C69]

**H. Applicable Rules**

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415

[RULE 1415, 10-14-1994]



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

[Devices subject to this condition : E96]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]

[Devices subject to this condition : E95]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E105]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470

[RULE 1470, 6-1-2007]



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

[Devices subject to this condition : D80]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C69]

**K. Record Keeping/Reporting**

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 30 days after the source test was conducted.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM10 emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

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



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

[Devices subject to this condition : D20]

K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM10 emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

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

[Devices subject to this condition : C69]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E94]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



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

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D8, C54, D61, D62, C69, C70, C73, C76, C77]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Daily hours of operation of the injection system

Urea injection rate in gpm

Number of injection stations and nozzles used in the operation

Stack outlet ammonia concentration measurements

**[RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C102]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The date of operation, the elapse time in hours, and the reasons for operation



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

[RULE 1110.2, 2-1-2008; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]

[Devices subject to this condition : D78, D80]