

FACILITY PERMIT TO OPERATE

**OWENS CORNING ROOFING AND ASPHALT, LLC
1501 N TAMARIND AVE
COMPTON, CA 90222**

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 _____
**Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance**

**FACILITY PERMIT TO OPERATE
OWENS CORNING ROOFING AND ASPHALT, LLC**

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: OWENS CORNING ROOFING AND ASPHALT, LLC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 1501 N TAMARIND AVE
COMPTON, CA 90222-4130

MAILING ADDRESS: 1501 N TAMARIND AVENUE N
COMPTON, CA 90222

RESPONSIBLE OFFICIAL: FRANK MUNOZ

TITLE: PLANT LEADER

TELEPHONE NUMBER: (310) 631-5131

CONTACT PERSON: JERRI FAJARDO

TITLE: EHS LEADER

TELEPHONE NUMBER: (303) 296-5445

TITLE V PERMIT ISSUED: July 30, 2004

TITLE V PERMIT EXPIRATION DATE: July 29, 2009

TITLE V	RECLAIM
YES	NOx: YES SOx: YES CYCLE: 2 ZONE: COASTAL

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

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
Process 1 : ASPHALT MANUFACTURING					
KNOCK OUT POT, HEIGHT: 17 FT; DIAMETER: 12 FT A/N:	D3	D2 C78			D323.1, H23.1
STILL, NO. 4, HEIGHT: 32 FT 6 IN; DIAMETER: 15 FT A/N:	D4	D5	SOX: PROCESS UNIT**	PM: (9) [RULE 405,2-7-1986] ; PM: 0.6 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU,8-5-1983] ; SOX: 0.3 LBS/TON MATERIAL (1) [RULE 2011,5- 11-2001 RULE 2011,12-5-2003]	D323.1
KNOCK OUT POT, HEIGHT: 10 FT; DIAMETER: 10 FT A/N:	D5	D4 C78			D323.1, H23.1
STILL, NO. 5, HEIGHT: 50 FT; DIAMETER: 12 FT A/N:	D6	D7	SOX: PROCESS UNIT**	PM: (9) [RULE 405,2-7-1986] ; PM: 0.6 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU,8-5-1983] ; SOX: 0.3 LBS/TON MATERIAL (1) [RULE 2011,5- 11-2001 RULE 2011,12-5-2003]	D323.1
KNOCK OUT POT, HEIGHT: 10 FT; DIAMETER: 10 FT A/N:	D7	D6 C78			D323.1, H23.1
DEHYDRATION UNIT A/N:	D8	C78			D323.1

- * (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

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Process 1 : ASPHALT MANUFACTURING					
System 2 : PERMA MOP MANUFACTURING					
HOPPER, DUMP A/N: INACTIVE	D80			PM: (9) [RULE 405,2-7-1986]	D323.1
CONVEYOR, SCREW A/N: INACTIVE	D81			PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE TANK, NO. 15, ASPHALT, WITH AN AGITATOR A/N:	D82	C78			A433.1, D323.1, H23.1
System 3 : COOLING TOWER					
COOLING TOWER, NO.1, ASPHALT MANUFACTURING, BALTIMORE AIR COIL, MODEL 3547-HX, A/N:	D156			PM: 0.034 LBS PER 24-HOUR PERIOD (5) [RULE 405,2-7- 1986]	B27.2, C1.3
Process 2 : ASPHALT STORAGE AND TRANSFER					
System 1 : RAW ASPHALT					
STORAGE TANK, NO. 24, ASPHALT, HEIGHT: 32 FT; DIAMETER: 12 FT A/N:	D9	C78			A63.8, A433.1, D323.1, H23.1
STORAGE TANK, NO. 26, ASPHALT, HEIGHT: 21 FT 8 IN; DIAMETER: 26 FT A/N:	D10	C78			A433.1, D323.1, H23.1
STORAGE TANK, NO. 29, ASPHALT, HEIGHT: 24 FT 6 IN; DIAMETER: 18 FT A/N:	D11	C78			A433.1, D323.1, H23.1

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- (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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : ASPHALT STORAGE AND TRANSFER					
STORAGE TANK, NO. 25, ASPHALT, HEIGHT: 27 FT 6 IN; DIAMETER: 18 FT A/N:	D12	C78			A433.1, D323.1, H23.1
STORAGE TANK, NO. 28, ASPHALT, HEIGHT: 27 FT 6 IN; DIAMETER: 18 FT A/N:	D13	C78			A433.1, D323.1, H23.1
STORAGE TANK, NO. 34, ASPHALT, 27000 GALS; DIAMETER: 12 FT; HEIGHT: 30 FT A/N:	D14	C78			A433.1, D12.4, D323.1, H23.1
STORAGE TANK, NO. 33, ASPHALT, 27000 GALS; DIAMETER: 12 FT; HEIGHT: 30 FT A/N:	D15	C78			A433.1, D12.4, D323.1, H23.1
STORAGE TANK, NO. 22, ASPHALT A/N: CI3334	D83	C78			D323.1, H23.1
LOADING ARM, TANK TRUCK, ASPHALT, CONVERTOR, WITH VAPOR LOCK BALANCE RECOVERY SYSTEM, DIAMETER: 4 IN A/N:	D16	C78			D323.1, E1.1, H23.1
System 2 : PROCESSED ASPHALT					
STORAGE TANK, 11, PROCESSED ASPHALT, 18612 GALS; DIAMETER: 11 FT 3 IN; HEIGHT: 24 FT A/N:	D17	C78			A433.1, D323.1, H23.1

- * (1)(1A)(1B) Denotes RECLAIM emission factor
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- (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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : ASPHALT STORAGE AND TRANSFER					
STORAGE TANK, 12, PROCESSED ASPHALT, 24821 GALS; DIAMETER: 11 FT 8 IN; HEIGHT: 32 FT 6 IN A/N:	D18	C78			A63.8, A433.1, D323.1, H23.1
STORAGE TANK, 13, PROCESSED ASPHALT, 24821 GALS; DIAMETER: 11 FT 10 IN; HEIGHT: 32 FT 6 IN A/N:	D19	C78			A433.1, D323.1, H23.1
STORAGE TANK, 14, PROCESSED ASPHALT, 23010 GALS; DIAMETER: 11 FT 10 IN; HEIGHT: 30 FT A/N:	D20	C78			A433.1, D323.1, H23.1
STORAGE TANK, 16, PROCESSED ASPHALT, 24821 GALS; DIAMETER: 12 FT; HEIGHT: 31 FT A/N:	D21	C78			A433.1, D323.1, H23.1
LOADING ARM, STORAGE TANK, WITH VAPOR LOCK BALANCE RECOVERY SYSTEM, DIAMETER: 4 IN A/N: 104650	D22	C78			D323.1, H23.1
STORAGE TANK, NO. 30, BLOW DOWN OIL, 31000 GALS; DIAMETER: 16 FT; HEIGHT: 21 FT A/N: 308053	D23	C78			D323.1
STORAGE TANK, FIXED ROOF, NO. 27, FUEL OIL, BRITE STOCK, 16239 GALS; DIAMETER: 10 FT; HEIGHT: 18 FT 6 IN A/N: 308052	D34				E127.1

- * (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.)
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Process 2 : ASPHALT STORAGE AND TRANSFER					
System 4 : CUT BACK ASPHALT					
STORAGE TANK, STEAM HEATED, NO. 5, CUTBACK ASPHALT, HEIGHT: 32 FT; DIAMETER: 12 FT A/N: C13328	D24			PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE TANK, STEAM HEATED, NO. 3, CUTBACK ASPHALT, HEIGHT: 32 FT; DIAMETER: 12 FT A/N: C13326	D25			PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE TANK, STEAM HEATED, NO. 2, CUTBACK ASPHALT, HEIGHT: 32 FT; DIAMETER: 12 FT A/N: C13325	D26			PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE TANK, STEAM HEATED, NO. 4, CUTBACK ASPHALT, HEIGHT: 32 FT; DIAMETER: 12 FT A/N: C13327	D27			PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE TANK, STEAM HEATED, NO. 1, CUTBACK ASPHALT, HEIGHT: 29 FT; DIAMETER: 12 FT A/N: C13324	D28			PM: (9) [RULE 405,2-7-1986]	D323.1
STORAGE TANK, STEAM HEATED, NO. 6, CUTBACK ASPHALT, WITH AN AGITATOR, LENGTH: 29 FT 3 IN; DIAMETER: 12 FT A/N: C13314	D29			PM: (9) [RULE 405,2-7-1986]	D323.1
LOADING ARM, CUTBACK ASPHALT, DIAMETER: 4 IN A/N: C13318	D30			PM: (9) [RULE 405,2-7-1986]	D323.1

* (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
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Process 2 : ASPHALT STORAGE AND TRANSFER					
System 5 : ASPHALT					
STORAGE TANK, NO. 23, ASPHALT, HEIGHT: 18 FT 3 IN; DIAMETER: 20 FT A/N:	D31	C78			A433.1, D323.1, H23.1
System 6 : MINERAL SPIRITS					
STORAGE TANK, NO. 7, MINERAL SPIRITS, WITH SUBMERGED FILLING, 25400 GALS; DIAMETER: 12 FT; HEIGHT: 30 FT 10 IN A/N: 136964	D32				
STORAGE TANK, NO. 8, MINERAL SPIRITS, WITH SUBMERGED FILLING, 24000 GALS; DIAMETER: 14 FT; HEIGHT: 20 FT A/N: 262447	D33				
Process 3 : ASPHALT ROOFING MANUFACTURING					
System 1 : ASPHALT STORAGE AND HANDLING					
STORAGE TANK, ASPHALT, HEIGHT: 16 FT; DIAMETER: 21 FT 6 IN A/N:	D39	C132			A433.1, D323.1, H23.1
TANK, ASPHALT, 1500 GALS A/N:	D125	C132			D323.1, H23.1

* (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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3 : ASPHALT ROOFING MANUFACTURING					
System 2 : GROUND LIMESTONE (FILLER) STORAGE AND HANDLING					
STORAGE SILO, LIMESTONE, WITH FABRIC FILTER, HEIGHT: 40 FT 3 IN; DIAMETER: 15 FT 5 IN WITH A/N: 146860	D84			PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	A63.4, D323.1, H23.1
FILTER, BAG, FLEX-KLEEN, MODEL 84-BVS-25HG, WITH FABRIC FILTER, 265 SQ.FT.	C122				D12.1, D322.1, D381.1, E102.1, K67.4
CONVEYOR, PNEUMATIC, LIMESTONE FOR FILLED ADHESIVE A/N: 465081	D147			PM: (9) [RULE 404,2-7-1986]	
BIN, VENT NO. 1, J.D.B. DENSE FLOW, MODEL NO. DF90R, 84 SQ. FT. OF PTFE CLOTH, 24 IN DIA. A/N: 465081	D148			PM: (9) [RULE 404,2-7-1986]	
BIN, HOPPER, FILLER FOR FILLED ADHESIVE A/N: 465081	D149			PM: (9) [RULE 404,2-7-1986]	
CONVEYOR, PNEUMATIC, LIMESTONE FOR FILLED SEALANT A/N: 465081	D150			PM: (9) [RULE 404,2-7-1986]	
BIN, VENT NO. 2, J.D.B. DENSE FLOW, MODEL NO. DF90R, 84 SQ. FT. OF PTFE CLOTH, 24 IN DIA. A/N: 465081	D151			PM: (9) [RULE 404,2-7-1986]	
BIN, HOPPER, FILLER FOR FILLED SEALANT A/N: 465081	D152			PM: (9) [RULE 404,2-7-1986]	

- | | |
|--|---|
| <ul style="list-style-type: none"> * (1)(1A)(1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5)(5A)(5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2)(2A)(2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.) (10) See Section J for NESHAP/MACT requirements |
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3 : ASPHALT ROOFING MANUFACTURING					
HOPPER, SURGE, LIMESTONE, UPPER A/N: INACTIVE	D68	C99		PM: (9) [RULE 405,2-7-1986]	D323.1
FILTER, BAG, SENECA ENVIRONMENTAL PRODUCTS, MODEL 49-IMBV-6, 346 SQ.FT. A/N: INACTIVE	C99	D68		PM: (9) [RULE 404,2-7-1986]	D12.1, D322.1, D381.1, E102.1, K67.4
HEATER, NATURAL GAS, WITH LOW NOX BURNER, 3.5 MMBTU/HR A/N:	D41		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146.1,5-13-1994] ; CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 30 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996] NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986] ; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011,5-11-2001;RULE 2011,12-5-2003]	D332.2
CONVEYOR, SCREW, LIMESTONE A/N: INACTIVE	D59	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, FILLER A/N: INACTIVE	D58	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1

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- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
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Process 3 : ASPHALT ROOFING MANUFACTURING					
HOPPER, SURGE, LIMESTONE, LOWER A/N: INACTIVE	D69	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, SCREW, LIMESTONE A/N: INACTIVE	D70	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, SCREW, LIMESTONE A/N: INACTIVE	D71	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
HOPPER, DUMP, LIMESTONE A/N: INACTIVE	D64	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, PNEUMATIC, LIMESTONE A/N: INACTIVE	D65	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
MIXER A/N: INACTIVE	D88			PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
System 3 : Calcium Carbonate, Sand, and Granule, Receiving, Storage and Handling					
PIT, SAND, CALCIUM CARBONATE, GRANULE A/N:	D35	C86		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, BELT, SAND, CALCIUM CARBONATE, GRANULE A/N:	D36	C86		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
HOPPER, WEIGH, DISCHARGE STATION, CALCIUM CARBONATE, SAND AND GRANULE A/N:	D37	C86		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1

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- (2)(2A)(2B) Denotes RECLAIM emission rate
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3 : ASPHALT ROOFING MANUFACTURING					
BAGHOUSE, CLOTH FILTER, NORTHWEST, MODEL 36-10, 424 SQ.FT. A/N: 275498	C86	D35 D36 D37		PM: (9) [RULE 404,2-7-1986]	D12.5, D322.1, D381.1, E102.1, K67.4
BIN, SURGE, GRANULES A/N:	D50	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, BELT A/N:	D51	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
BIN, SURGE, GRANULE ACCUMULATOR AND DISTRIBUTOR A/N:	D52	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
BIN, SURGE, CALCIUM CARBONATE, SAND, AND GRANULES A/N:	D53	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
BIN, SURGE, GROUND SAND, CALCIUM CARBONATE A/N:	D54	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
HOPPER, DUMP, GROUND SAND, CALCIUM CARBONATE A/N:	D55	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
HOPPER, DUMP, SAND, CALCIUM CARBONATE A/N:	D56	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, CALCIUM CARBONATE, SAND A/N:	D57	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, WASTE A/N:	D63	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1)(1A)(1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5)(5A)(5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2)(2A)(2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8)(8A)(8B) Denotes 40 CFR 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 OWENS CORNING ROOFING AND ASPHALT, LLC

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
Process 3 : ASPHALT ROOFING MANUFACTURING					
BUCKET ELEVATOR, PRIME A/N:	D104	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, WASTE A/N:	D105	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, HEADLAP A/N:	D106	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
System 4 : SEALANT STORAGE AND HANDLING					
TANK, SURGE, LAMINATOR, ADHESIVE, 550 GALS A/N:	D93	C132			
TANK, SURGE, LAMINATOR, SEALANT, 550 GALS A/N:	D95	C132			
TANK, CIRCULATOR, SEALANT, 840 GALS A/N:	D123	C132			
TANK, MELT, SEALANT, 840 GALS A/N:	D124	C132			
System 5 : FIBERGLASS ROOFING PRODUCTION					
COATER, ASPHALT A/N:	D87	C132		PM: (9) [RULE 405,2-7-1986] ; PM: 0.04 LB(S)/1000 LBS (8) [40CFR 63 Subpart UU,7-12-2002]	C1.1, D323.1
TANK, SURGE, 3-TAB, SEALANT, 750 GALS A/N:	D89	C132			

* (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 OWENS CORNING ROOFING AND ASPHALT, LLC

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
Process 3 : ASPHALT ROOFING MANUFACTURING					
COATER, CALCIUM CARBONATE OR SAND, AND GRANULES APPLICATOR A/N:	D44	C75		PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
PRESS, PRESSURE ROLLERS, GRANULE SETTING A/N:	D45			PM: (9) [RULE 405,2-7-1986]	A63.4, D323.1, H23.1
TANK, MELT, LAMINATOR, ADHESIVE, 1700 GALS A/N:	D67	C132			
COOLER, ASPHALT ROOFING A/N:	D129			PM: (9) [RULE 405,2-7-1986]	D323.1
COATER, SEALANT APPLICATOR/LAMINATOR A/N:	D92	C132		PM: (9) [RULE 405,2-7-1986]	D323.1
CONVEYOR, ACCUMULATION A/N:	D100			PM: (9) [RULE 405,2-7-1986]	D323.1
CUTTER, SHINGLE A/N:	D49			PM: (9) [RULE 405,2-7-1986]	D323.1
PACKAGING MACHINE A/N:	D94			PM: (9) [RULE 405,2-7-1986]	D323.1
System 7 : AIR POLLUTION CONTROL #2					
BAGHOUSE, CP ENVIRONMENTAL FILTERS, MODEL 100 NF-288CM, 365 SQ.FT. A/N: 254495	C75	D44 D46 D50 D51 D52 D53 D54 D55 D56 D57 D58 D59 D63 D64 D65 D69 D70 D71 D104 D105 D106		PM: (9) [RULE 404,2-7-1986]	D12.1, D322.1, D381.1, E102.1, K67.4

- * (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 OWENS CORNING ROOFING AND ASPHALT, LLC

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
Process 3 : ASPHALT ROOFING MANUFACTURING					
System 8 : COOLING TOWER					
COOLING TOWER, NO.2, ASPHALT ROOF MANUFACTURING, BALTIMORE AIRCOIL, MODEL VT0-163-OC, ONE CELL A/N:	D157			PM: 0.018 LBS PER 24-HOUR PERIOD (5) [RULE 405,2-7-1986]	B27.2, C1.4
Process 4 : POWER GENERATION					
System 1 : INTRAFACILITY, PORTABLE					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, DIESEL FUEL, JOHN DEERE, MODEL 4239DE, 80 HP A/N: 183397	D76		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2,11-14-1997]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003] PM: (9) [RULE 404,2-7-1986]; ROG: 250 PPMV (5) [RULE 1110.2,11-14-1997]; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011,5-11-2001 RULE 2011,12-5-2003]	D135.1, D323.2

- * (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 OWENS CORNING ROOFING AND ASPHALT, LLC

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
Process 5 : ASPHALT MANUFACTURING CONTROL EQUIPMENT					
System 1 : Air Pollution Control System					
CYCLONE, COMMON FOR AFTERBURNERS NO. 1 AND 2, HEIGHT: 25 FT; DIAMETER: 5 FT A/N:	C78	D3 D5 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D22 D23 D31 C77 D82 D83 C101			D323.1
AFTERBURNER, NO. 1, NATURAL GAS, 18 MMBTU/HR A/N:	C77	C78	NOX: LARGE SOURCE**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 101 PPMV NATURAL GAS (3) [RULE 2012,5-11-2001;RULE 2012,12-5-2003] PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011,5-11-2001 RULE 2011,12-5-2003]	C8.2, D28.4, D323.1
AFTERBURNER, NO. 2, NATURAL GAS, 15.6 MMBTU/HR A/N:	C101	C78	NOX: LARGE SOURCE**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 101 PPMV (3) [RULE 2011,5-11- 2001;RULE 2011,12-5-2003] ; PM: (9) [RULE 404,2-7-1986]	C8.3, D28.4, D323.1

* (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 OWENS CORNING ROOFING AND ASPHALT, LLC

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
Process 7 : Rule 219 Exempt Equipment Subject to Source Specific Rules					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE ARCHITECTURAL COATINGS	E126			VOC: (9) [RULE 1113,11-8-1996;RULE 1113,12-5-2003;RULE 1171,8-2-2002;RULE 1171,11-7-2003]	K67.2
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E130				H23.4
HEATER, 1.2 MMBTU/HR GAS FIRED HOT OIL HEATER	E153				H23.3

* (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
OWENS CORNING ROOFING AND ASPHALT, LLC**

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
 OWENS CORNING ROOFING AND ASPHALT, LLC**

SECTION D: DEVICE ID INDEX

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D12	4	2	1
D13	4	2	1
D14	4	2	1
D15	4	2	1
D16	4	2	1
D17	4	2	2
D18	5	2	2
D19	5	2	2
D20	5	2	2
D21	5	2	2
D22	5	2	2
D23	5	2	2
D24	6	2	4
D25	6	2	4
D26	6	2	4
D27	6	2	4
D28	6	2	4
D29	6	2	4
D30	6	2	4
D31	7	2	5
D32	7	2	6
D33	7	2	6
D34	5	2	2
D35	10	3	3
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**FACILITY PERMIT TO OPERATE
 OWENS CORNING ROOFING AND ASPHALT, LLC**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
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D53	11	3	3
D54	11	3	3
D55	11	3	3
D56	11	3	3
D57	11	3	3
D58	9	3	2
D59	9	3	2
D63	11	3	3
D64	10	3	2
D65	10	3	2
D67	13	3	5
D68	9	3	2
D69	10	3	2
D70	10	3	2
D71	10	3	2
C75	13	3	7
D76	14	4	1
C77	15	5	1
C78	15	5	1
D80	3	1	2
D81	3	1	2
D82	3	1	2
D83	4	2	1
D84	8	3	2
C86	11	3	3
D87	12	3	5
D88	10	3	2

**FACILITY PERMIT TO OPERATE
 OWENS CORNING ROOFING AND ASPHALT, LLC**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
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D93	12	3	4
D94	13	3	5
D95	12	3	4
C99	9	3	2
D100	13	3	5
C101	15	5	1
D104	12	3	3
D105	12	3	3
D106	12	3	3
C122	8	3	2
D123	12	3	4
D124	12	3	4
D125	7	3	1
E126	17	7	0
D127	16	6	1
D129	13	3	5
E130	17	7	0
D147	8	3	2
D148	8	3	2
D149	8	3	2
D150	8	3	2
D151	8	3	2
D152	8	3	2
E153	17	7	0
D156	3	1	3
D157	14	3	8

**FACILITY PERMIT TO OPERATE
 OWENS CORNING ROOFING AND ASPHALT, LLC**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

SYSTEM CONDITIONS

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 3050 LBS IN ANY ONE MONTH
PM10	Less than or equal to 910 LBS IN ANY ONE MONTH
PM10	Less than or equal to 10924 LBS IN ANY ONE YEAR
ROG	Less than or equal to 1140 LBS IN ANY ONE MONTH
ROG	Less than or equal to 13629 LBS IN ANY ONE YEAR

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

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

DEVICE CONDITIONS

A. Emission Limits

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 1 Percent opacity

[40CFR 60 Subpart UU, 8-5-1983]

[Devices subject to this condition : D35, D36, D37, D44, D45, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D63, D64, D65, D69, D70, D71, D84, D88, D104, D105, D106]

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A63.8 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT	QUANTITY	UNITS
CO	Less than or equal to	29	LBS IN ANY CALENDAR MONTH
PM10	Less than or equal to	9	LBS IN ANY CALENDAR MONTH
ROG	Less than or equal to	35	LBS IN ANY CALENDAR MONTH

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

[Devices subject to this condition : D9, D18]

A433.1 The operator shall limit emissions from this equipment as follows::

POLLUTANT	LIMIT	UNITS
VISIBLE EMISSIONS	0	PERCENT OPACITY

[40CFR 60 Subpart UU, 8-5-1983]

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D17, D18, D19, D20, D21, D31, D39, D82]

B. Material/Fuel Type Limits

B27.2 The operator shall not use materials containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 03-04-2005.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D156, D157]

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 1200 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as finished roofing line product.

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

[Devices subject to this condition : D87]

C1.3 The operator shall limit the material processed to no more than 332 gallon(s) per minute.

For the purpose of this condition, material processed shall be defined as maximum cooling tower water circulation rate..

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

[Devices subject to this condition : D156]

C1.4 The operator shall limit the material processed to no more than 370 gallon(s) per minute.

For the purpose of this condition, material processed shall be defined as maximum cooling tower water circulation rate..

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

[Devices subject to this condition : D157]

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C8.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the combustion chamber.

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

The measuring device or gauge shall be accurate to within plus or minus 20 degrees F. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 470, 5-7-1976]

[Devices subject to this condition : C77]

- C8.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

To comply with this condition, the operator shall monitor the temperature as specified in condition number 12-9.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the combustion chamber.

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

The measuring device or gauge shall be accurate to within plus or minus 20 degrees F. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 470, 5-7-1976]

[Devices subject to this condition : C101]

D. Monitoring/Testing Requirements

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : C75, D84, C99]

D12.2 The operator shall install and maintain a(n) gauge to accurately indicate the flue gas flow from the exhaust stack to the burner.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 10-15-1993; RULE 2005, 2-14-1997]

[Devices subject to this condition : D1]

D12.3 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the burner.

[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005]

[Devices subject to this condition : D1]

D12.4 The operator shall install and maintain a(n) gauge to accurately indicate the temperature of the asphalt stored in this device.

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

[Devices subject to this condition : D14, D15]

D12.5 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

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

[Devices subject to this condition : C86]

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.6 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the boiler.

[RULE 2011, 3-16-2001; RULE 2011, 5-6-2005; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005]

[Devices subject to this condition : D127]

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted at least once during the life of the permit.

The test shall be conducted to determine the ROG emissions at the inlet and outlet simultaneously.

The test shall be conducted to determine the ROG emissions using District method 25.1 measured over a 60 minute averaging time period.

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

[Devices subject to this condition : C77, C101]

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]

[Devices subject to this condition : D76]

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]

[Devices subject to this condition : C75, D84, C86, C99]

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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.

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

[Devices subject to this condition : D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D35, D36, D37, D39, D44, D45, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D63, D64, D65, D68, D69, D70, D71, C77, C78, D80, D81, D82, D83, D84, D87, D88, D92, D94, D100, C101, D104, D105, D106, D125, D129]

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 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 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.

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

[Devices subject to this condition : D76]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. 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]

[Devices subject to this condition : D1]

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D332.2 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146.1 concentration limit. 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]

[Devices subject to this condition : D41, D127]

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]

[Devices subject to this condition : C75, D84, C86, C99]

E. Equipment Operation/Construction Requirements

E1.1 The operator shall vent the emissions from this equipment to only one of the devices identified in the "connected to" column of this facility permit at any given time.

[RULE 204, 10-8-1993]

[Devices subject to this condition : D16]

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : C75, D84, C86, C99]

E113.1 The operator shall have the burner equipped with a control system to automatically regulate the combustion air, fuel and, if applicable, recirculated flue gas as the boiler load varies. This control system shall be adjusted and tuned at least twice a year according to the manufacturer's specifications to maintain its ability to repeat the same performance at the same firing rate.

[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1]

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

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

[Devices subject to this condition : D34]

E179.1 For the purpose of the following condition number(s), boiler load shall be defined as heater load.

Condition Number 113-1

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

[Devices subject to this condition : D1]

H. Applicable Rules

**FACILITY PERMIT TO OPERATE
 OWENS CORNING ROOFING AND ASPHALT, LLC**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	40CFR60, SUBPART	UU

[40CFR 60 Subpart UU, 8-5-1983]

[Devices subject to this condition : D3, D5, D7, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D31, D35, D36, D37, D39, D44, D45, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D63, D64, D65, D69, D70, D71, D82, D83, D84, D88, D104, D105, D106, D125]

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

Contaminant	Rule	Rule/Subpart
NOX	District Rule	1146.2
CO	District Rule	1146.2

[RULE 1146.2, 1-9-1998; RULE 1146.2, 1-7-2005]

[Devices subject to this condition : E153]

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

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[Devices subject to this condition : E130]

K. Record Keeping/Reporting

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K67.2 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 : E126]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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 : C75, D84, C86, C99]