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

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	19	10/17/2012
B	RECLAIM Annual Emission Allocation	22	07/01/2012
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	13	10/17/2012
E	Administrative Conditions	8	12/03/2010
F	RECLAIM Monitoring and Source Testing Requirements	6	12/03/2010
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	6	12/03/2010
H	Permit To Construct and Temporary Permit to Operate	18	10/17/2012
I	Compliance Plans & Schedules	4	12/03/2010
J	Air Toxics	3	12/03/2010
K	Title V Administration	3	12/03/2010
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	4	12/03/2010
B	Rule Emission Limits	3	12/03/2010

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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 AVE COMPTON, CA 90222-4130
RESPONSIBLE OFFICIAL:	FRANK MUNOZ
TITLE:	PLANT LEADER
TELEPHONE NUMBER:	(310) 631-5131
CONTACT PERSON:	NICO ARMSTRONG
TITLE:	E & S LEADER
TELEPHONE NUMBER:	(310) 631-5131
TITLE V PERMIT ISSUED:	December 08, 2010
TITLE V PERMIT EXPIRATION DATE:	December 07, 2015

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

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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					
System 1: ASPHALT BLOWING					S2.1
HEATER, NATURAL GAS, CUTLER, MODEL A-FRAME, WITH LOW NOX BURNER, 7.84 MMBTU/HR WITH A/N: 383382 BURNER, NATURAL GAS, POWER FLAME MFG, MODEL LNC4-G-30, WITH LOW NOX BURNER, 7.84 MMBTU/HR	D1		NOX: PROCESS UNIT**	**CO**: 400 PPMV (5A) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008;* **RULE 407, 4-2-1982**]; **CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 40 PPMV NATURAL GAS (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **NOX**: 47.75 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986; RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 0.83 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]	D12.2, D332.1, E113.1, E179.1 D323.1
STILL, NO. 3, HEIGHT: 50 FT ; DIAMETER: 12 FT WITH A/N: 383382 BLOWER, 3250 CU.FT./MIN	D2 D118	D3	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**: 0.061 LBS/TON (1) [**RULE 2011, 5-6-2005**]	D323.1
KNOCK OUT POT, HEIGHT: 17 FT ; DIAMETER: 12 FT A/N: 383382	D3	D2 C78			D323.1, H23.1

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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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Process 1: ASPHALT MANUFACTURING					
STILL, NO. 4, HEIGHT: 32 FT 6 IN; DIAMETER: 15 FT WITH A/N: 383382	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**: 0.061 LBS/TON MATERIAL (1) [**RULE 2011, 5-6-2005**]	D323.1
BLOWER, 3200 CU.FT./MIN	D119				D323.1
KNOCK OUT POT, HEIGHT: 16 FT ; DIAMETER: 10 FT A/N: 383382	D5	D4 C78			D323.1, H23.1
STILL, NO. 5, HEIGHT: 50 FT ; DIAMETER: 12 FT WITH A/N: 383382	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**: 0.061 LBS/TON MATERIAL (1) [**RULE 2011, 5-6-2005**]	D323.1
BLOWER, 3200 CU.FT./MIN	D120				
KNOCK OUT POT, HEIGHT: 16 FT ; DIAMETER: 10 FT A/N: 383382	D7	D6 C78			D323.1, H23.1
DEHYDRATION UNIT A/N: 383382	D8	C78			D323.1
System 2: PERMA MOP MANUFACTURING					
STORAGE TANK, FIXED ROOF, NO. 15, ASPHALT, WITH AN AGITATOR, 30000 GALS; DIAMETER: 12 FT ; HEIGHT: 32 FT A/N: 422690	D82	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
System 3: COOLING TOWER					

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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Process 1: ASPHALT MANUFACTURING					
COOLING TOWER, NO.1, ASPHALT MANUFACTURING, BALTIMORE AIR COIL, MODEL 3547-HX, A/N: 466122	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, 47780 GALS; DIAMETER: 12 FT ; HEIGHT: 32 FT A/N: 422695	D9	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, NO.26, ASPHALT, FIXED ROOF, 43590 GALS; DIAMETER: 26 FT ; HEIGHT: 21 FT 4 IN A/N: 422716	D10	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, NO.29, ASPHALT, FIXED ROOF, 49300 GALS; DIAMETER: 18 FT ; HEIGHT: 24 FT 6 IN A/N: 422718	D11	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, NO. 25, ASPHALT, FIXED ROOF, 47780 GALS; DIAMETER: 18 FT ; HEIGHT: 27 FT 6 IN A/N: 422714	D12	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1

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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
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Process 2: ASPHALT STORAGE AND TRANSFER					
STORAGE TANK, NO.28, ASPHALT, FIXED ROOF, 49490 GALS; DIAMETER: 18 FT ; HEIGHT: 27 FT WITH A/N: 422717 HEATER, ASPHALT, 1.5 MMBTU/HR	D13 D114	C78 C132		**NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986; RULE 405, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, NO. 34, CUTBACK ASPHALT, FIXED ROOF, STEAM HEATED, 23270 GALS; DIAMETER: 12 FT ; HEIGHT: 30 FT A/N: 422722	D14	C78 C132			A63.8, A433.1, D12.4, D323.1, E1.1, H23.1
STORAGE TANK, NO. 33, ASPHALT, FIXED ROOF, 23270 GALS; DIAMETER: 12 FT ; HEIGHT: 30 FT A/N: 422720	D15	C78 C132			A63.8, A433.1, D12.4, D323.1, E1.1, H23.1
STORAGE TANK, NO. 2, CONDENSATE, HEIGHT: 14 FT 9 IN; DIAMETER: 18 FT A/N: C13334	D83	C78			D323.1
LOADING ARM, TANK TRUCK, ASPHALT, WITH A 4 IN VAPOR RETURN LINE, WITH VAPOR LOCK BALANCE RECOVERY SYSTEM A/N: 422440	D16	C78 C132			A63.9, A433.2, D323.1, E1.1, H23.1
LOADING ARM, TANK TRUCK, ASPHALT, DIAMETER: 4 IN A/N: 422439	D111	C78 C132			A63.9, A433.2, D323.1, E1.1, H23.1

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Process 2: ASPHALT STORAGE AND TRANSFER					
System 2: PROCESSED ASPHALT					
STORAGE TANK, NO.11, PROCESSED ASPHALT, FIXED ROOF, 18270 GALS; DIAMETER: 11 FT 3 IN; HEIGHT: 24 FT A/N: 422441	D17	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, NO. 12, PROCESSED ASPHALT, 25280 GALS; DIAMETER: 11 FT 8 IN; HEIGHT: 32 FT 6 IN A/N: 422686	D18	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, FIXED ROOF, NO. 13, PROCESSED ASPHALT, 23180 GALS; DIAMETER: 11 FT 10 IN; HEIGHT: 32 FT 6 IN A/N: 422687	D19	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, FIXED ROOF, NO.14, PROCESSED ASPHALT, 19760 GALS; DIAMETER: 11 FT 10 IN; HEIGHT: 30 FT A/N: 422689	D20	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, NO.16, PROCESSED ASPHALT, 26990 GALS; DIAMETER: 12 FT ; HEIGHT: 31 FT A/N: 422691	D21	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, FIXED ROOF, NO. 30, ASPHALT/BLOWDOWN OIL, 31000 GALS; DIAMETER: 16 FT ; HEIGHT: 21 FT A/N: 436928	D23	C78 C132			A63.10, A433.1, D323.1, E1.1, H23.1

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(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
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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, FIXED ROOF, STEAM HEATED, NO. 27, FUEL OIL, 16239 GALS; DIAMETER: 10 FT ; HEIGHT: 18 FT 6 IN A/N: 308052	D34				E127.1
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. 4, CUTBACK ASPHALT, HEIGHT: 32 FT ; DIAMETER: 12 FT A/N: C13327	D27			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
LOADING ARM, CUTBACK ASPHALT, DIAMETER: 3 IN A/N: C13318	D30			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
System 5: ASPHALT					
STORAGE TANK, FIXED ROOF, NO. 23, ASPHALT, 44000 GALS; DIAMETER: 20 FT 6 IN; HEIGHT: 18 FT A/N: 422694	D31	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
System 6: MINERAL SPIRITS					
STORAGE TANK, NO. 7, MINERAL SPIRITS, WITH SUBMERGED FILLING, 24000 GALS; DIAMETER: 14 FT ; HEIGHT: 20 FT A/N: 136964	D32				

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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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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. 8, MINERAL SPIRITS, WITH SUBMERGED FILLING, 24000 GALS; DIAMETER: 14 FT ; HEIGHT: 20 FT A/N: 136964	D33				
Process 3: ASPHALT ROOFING MANUFACTURING					
System 1: ASPHALT STORAGE AND HANDLING					
STORAGE TANK, ASPHALT, 37330 GALS; DIAMETER: 21 FT 6 IN; HEIGHT: 16 FT A/N: 422855	D39	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
TANK, ASPHALT, 1500 GALS A/N: 456922	D125	C132 D158			D323.1, H23.1
TANK, HEATING, ASPHALT, 545 GALS A/N: 456922	D158	D125			
System 2: GROUND LIMESTONE (FILLER) STORAGE AND HANDLING					
STORAGE SILO, 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**]	D12.1, D323.1, H23.1
FILTER, BAG, FLEX-KLEEN, MODEL 84-BVBS-25IIG, 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**]	

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Process 3: ASPHALT ROOFING MANUFACTURING					
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**]	
HOPPER, SURGE, LIMESTONE, UPPER A/N: 465081	D68	C99		**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
FILTER, BAG, SENECA ENVIROMENTAL PRODUCTS, MODEL 49-IMBV-6, 346 SQ.FT. A/N: 465081	C99	D68		**PM**: (9) [**RULE 404, 2-7-1986**]	D12.1, D322.1, D381.1, E102.1, K67.4

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Process 3: ASPHALT ROOFING MANUFACTURING					
HEATER, NATURAL GAS, WITH LOW NOX BURNER, 2.7 MMBTU/HR WITH A/N: 424381	D41		NOX: PROCESS UNIT**	**CO**: 400 PPMV (5A) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV (4) [**RULE 1303(a)(1) -BACT, 5-10-1996**]; **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 2012, 5-6-2005**]	D332.2
BURNER, NATURAL GAS, MAXON, MODEL M-PAKT, 2.7 MMBTU/HR	D144				
CONVEYOR, SCREW, LIMESTONE A/N: 465081	D59	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, FILLER A/N: 465081	D58	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
HOPPER, SURGE, LIMESTONE, LOWER A/N: 465081	D69	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
CONVEYOR, SCREW, LIMESTONE A/N: 465081	D70	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
CONVEYOR, SCREW, LIMESTONE A/N: 465081	D71	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
HOPPER, DUMP, LIMESTONE A/N: 465081	D64	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
CONVEYOR, PNEUMATIC, LIMESTONE A/N: 465081	D65	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
MIXER A/N: 465081	D88			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1, H23.1

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(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 3: ASPHALT ROOFING MANUFACTURING					
System 3: Calcium Carbonate, Sand, and Granule, Receiving, Storage and Handing					
PIT, SAND, CALCIUM CARBONATE, GRANULE A/N: 275499	D35	C86		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
CONVEYOR, BELT, SAND, CALCIUM CARBONATE, GRANULE A/N: 275499	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: 275499	D37	C86		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
BAGHOUSE, CLOTH FILTER, NORTHWEST, MODEL 36-10, 424 SQ.FT. A/N: 275498	C86	D35 D36 D37		**PM**: (9) [**RULE 404, 2-7-1986**]	D322.1, D381.1, E102.1, E193.3, K67.4
BIN, SURGE, GRANULES A/N: 456922	D50	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
CONVEYOR, BELT A/N: 456922	D51	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
BIN, SURGE, GRANULE ACCUMULATOR AND DISTRIBUTOR A/N: 456922	D52	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
BIN, SURGE, CALCIUM CARBONATE, SAND, AND GRANULES A/N: 456922	D53	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
BIN, SURGE, GROUND SAND, CALCIUM CARBONATE A/N: 456922	D54	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
HOPPER, DUMP, GROUND SAND, CALCIUM CARBONATE A/N: 456922	D55	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, 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.)
(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 3: ASPHALT ROOFING MANUFACTURING					
HOPPER, DUMP, SAND, CALCIUM CARBONATE A/N: 456922	D56	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, CALCIUM CARBONATE, SAND A/N: 456922	D57	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, WASTE A/N: 456922	D63	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1, H23.1
BUCKET ELEVATOR, PRIME A/N: 456922	D104	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, WASTE A/N: 456922	D105	C75		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, HEADLAP A/N: 456922	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, 240 GALS A/N: 456922	D93	C132			
TANK, SURGE, LAMINATIOR, SEALANT, 240 GALS A/N: 456922	D95	C132			
TANK, CIRCULATOR, SEALANT, 240 GALS A/N: 456922	D123	C132			
TANK, MELT, SEALANT, 240 GALS A/N: 456922	D124	C132			
TANK, MELT SEALANT ADHESIVE (MSA), 1500 GALS A/N: 456922	D135	C132			

* (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 3: ASPHALT ROOFING MANUFACTURING					
TANK, HOT MELT, MODIFIED LAMINANT ADHESIVE (MLA),, 15000 GALS A/N: 456922	D136	C132			
COATER, MLA APPLICATOR A/N: 456922	D139	C132			
COATER, MSA APPLICATOR A/N: 456922	D140	C132			
System 5: FIBERGLASS ROOFING PRODUCTION					
TANK, MIXER NO. 1,, FILLED ADHESIVES, 150 GALS; DIAMETER: 3 FT ; HEIGHT: 4 FT A/N: 456922	D154	C132			
TANK, MIXER NO. 2,, FILLED SEALANT, 150 GALS; DIAMETER: 3 FT ; HEIGHT: 4 FT A/N: 456922	D155	C132			
COATER, ASPHALT A/N: 456922	D87	C132		**PM**: (9) [**RULE 405, 2-7-1986**]; **PM**: 0.04 LB(S)/1000 LBS (8) [**40CFR 60 Subpart UU, 8-5-1983**]	A63.6, C1.1, C1.5, D323.1, H23.1
TANK, SURGE, SEALANT, 1500 GALS A/N: 456922	D89				
COATER, CALCIUM CARBONATE OR SAND, AND GRANULES APPLICATOR A/N: 456922	D44	C75 C132		**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
PRESS, PRESSURE ROLLERS, GRANULE SETTING A/N: 456922	D45			**PM**: (9) [**RULE 405, 2-7-1986**]	A63.4, D323.1, H23.1
COOLER, ASPHALT A/N: 456922	D129			**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
(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, SEALANT APPLICATOR/LAMINATOR A/N: 456922	D92	C132		**PM**: (9) [**RULE 405, 2-7-1986**]	
COATER, MLA APPLICATOR A/N: 456922	D161	C132			
COATER, MLA APPLICATOR A/N: 456922	D162	C132			
CONVEYOR, ACCUMULATION A/N: 456922	D100			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
CUTTER, SHINGLE A/N: 456922	D49			**PM**: (9) [**RULE 405, 2-7-1986**]	D323.1
PACKAGING MACHINE A/N: 456922	D94			**PM**: (9) [**RULE 405, 2-7-1986**]	
ACCUMULATOR, WCS PULL ROLLS, CARRYOVER CONVERYORS, SHEET SLITTER, AND FINISH LOOPER A/N: 456922	D141				
CUTTER, WCS A/N: 456922	D142				
PACKAGING MACHINE, WCS A/N: 456922	D143				
System 7: AIR POLLUTION CONTROL #2					
BAGHOUSE, CLOTH FILTER, CP ENVIRONMENTAL FILTERS, MODEL 100 NF-288CM, 3658 SQ.FT. A/N: 254495	C75	D44 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**]	D322.1, D381.1, E102.1, E193.2, K67.4

* (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

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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					
AFTERBURNER, NATURAL GAS, RTO, 2.5 MMBTU/HR WITH A/N: 465084	C132	D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D23 D31 D39 D44 D82 D87 D92 D93 D95 D111 D123 D124 D125 D135 D136 D139 D140 D154 D155 D161 D162	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **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 2012, 5-6-2005**]	D28.5, E193.1, K40.6
FILTER, FIBERGLASS, FIBERBED DIFFUSION FILTERS, ADVANCED ENVIRONMENTAL SYSTEMS, MODEL AIR-CLEAR, 1812 SQ.FT.	C138				
System 8: COOLING TOWER					
COOLING TOWER, NO.2, ASPHALT ROOF MANUFACTURING, BALTIMORE AIRCOIL, MODEL VT0-163-OC, ONE CELL A/N: 466123	D157			**PM**: 0.018 LBS PER 24-HOUR PERIOD (5) [**RULE 405, 2-7-1986**]	B27.2, C1.4
Process 5: ASPHALT MANUFACTURING CONTROL EQUIPMENT					
System 1: Air Pollution Control System					

* (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 5: ASPHALT MANUFACTURING CONTROL EQUIPMENT					
CYCLONE, COMMON FOR AFTERBURNERS NO. 1 AND 2, HEIGHT: 25 FT ; DIAMETER: 5 FT A/N: 427699	C78	D3 D5 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D23 D31 D39 C77 D82 D83 C101 D111			D323.1
AFTERBURNER, NO. 1, NATURAL GAS, 18 MMBTU/HR WITH A/N: 427699 BURNER, MAXON, MODEL KINIDIZER, 18 MMBTU/HR	C77	C78	NOX: LARGE SOURCE**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 143 PPMV NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **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, 5-6-2005**]	D12.3, D28.5, D323.1, E193.1, K40.6
AFTERBURNER, NO. 2, NATURAL GAS, 18 MMBTU/HR WITH A/N: 427701 BURNER, MAXON, MODEL KINIDIZER, 18 MMBTU/HR	C101	C78	NOX: LARGE SOURCE**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 135 PPMV (3) [**RULE 2011, 5-6-2005**]; **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, 5-6-2005**]	D12.3, D28.5, D323.1, E193.1, K40.6
Process 6: External Combustion Equipment					
System 1: Boilers					

* (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

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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 6: External Combustion Equipment					
BOILER, NATURAL GAS, CLEAVER BROOKS, MODEL CB-200-80, WITH LOW NOX BURNER, 3.347 MMBTU/HR WITH A/N: 333465 BURNER, NATURAL GAS, CLEAVER BROOKS, MODEL CB-200-80, WITH LOW NOX BURNER, 3.347 MMBTU/HR	D127		NOX: PROCESS UNIT**	**CO**: 400 PPMV (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV (4) [**RULE 2005, 5-6-2005**]; **NOX**: 47.75 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D12.6, D332.2
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, 7-13-2007;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	K67.2
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E130				H23.1, H23.4
HEATER, 1.2 MMBTU/HR GAS FIRED HOT OIL HEATER	E153				H23.1, H23.3

* (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: 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

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	2	1	1
D5	2	1	1
D6	2	1	1
D7	2	1	1
D8	2	1	1
D9	3	2	1
D10	3	2	1
D11	3	2	1
D12	3	2	1
D13	4	2	1
D14	4	2	1
D15	4	2	1
D16	4	2	1
D17	5	2	2
D18	5	2	2
D19	5	2	2
D20	5	2	2
D21	5	2	2
D23	5	2	2
D24	6	2	4
D27	6	2	4
D30	6	2	4
D31	6	2	5
D32	6	2	6
D33	7	2	6
D34	6	2	2
D35	10	3	3
D36	10	3	3
D37	10	3	3
D39	7	3	1
D41	9	3	2
D44	12	3	5

FACILITY PERMIT TO OPERATE
OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D45	12	3	5
D49	13	3	5
D50	10	3	3
D51	10	3	3
D52	10	3	3
D53	10	3	3
D54	10	3	3
D55	10	3	3
D56	11	3	3
D57	11	3	3
D58	9	3	2
D59	9	3	2
D63	11	3	3
D64	9	3	2
D65	9	3	2
D68	8	3	2
D69	9	3	2
D70	9	3	2
D71	9	3	2
C75	13	3	7
C77	15	5	1
C78	15	5	1
D82	2	1	2
D83	4	2	1
D84	7	3	2
C86	10	3	3
D87	12	3	5
D88	9	3	2
D89	12	3	5
D92	13	3	5
D93	11	3	4
D94	13	3	5
D95	11	3	4
C99	8	3	2
D100	13	3	5

FACILITY PERMIT TO OPERATE
OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
C101	15	5	1
D104	11	3	3
D105	11	3	3
D106	11	3	3
D111	4	2	1
D114	4	2	1
D118	1	1	1
D119	2	1	1
D120	2	1	1
C122	7	3	2
D123	11	3	4
D124	11	3	4
D125	7	3	1
E126	16	7	0
D127	16	6	1
D129	12	3	5
E130	16	7	0
C132	14	3	7
D135	11	3	4
D136	12	3	4
C138	14	3	7
D139	12	3	4
D140	12	3	4
D141	13	3	5
D142	13	3	5
D143	13	3	5
D144	9	3	2
D147	7	3	2
D148	7	3	2
D149	8	3	2
D150	8	3	2
D151	8	3	2
D152	8	3	2
E153	16	7	0
D154	12	3	5

FACILITY PERMIT TO OPERATE
OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D155	12	3	5
D156	3	1	3
D157	14	3	8
D158	7	3	1
D161	13	3	5
D162	13	3	5

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 63 Subpart UU, 4-20-2006**]

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:

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

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 20 Percent opacity

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

[Devices subject to this condition : D87]

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	10	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;** RULE 1303(b)(2)-Offset, 12-6-2002]

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

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:

A63.9 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT	QUANTITY	UNITS
CO	Less than or equal to	2	LBS IN ANY CALENDAR MONTH
PM10	Less than or equal to	9	LBS IN ANY CALENDAR MONTH
ROG	Less than or equal to	34	LBS IN ANY CALENDAR MONTH

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

[Devices subject to this condition : D16, D111]

A63.10 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT	QUANTITY	UNITS
CO	Less than or equal to	13.2	LBS IN ANY CALENDAR MONTH
PM10	Less than or equal to	3.4	LBS IN ANY CALENDAR MONTH
ROG	Less than or equal to	12	LBS IN ANY CALENDAR MONTH

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

[Devices subject to this condition : D23]

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:

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

POLLUTANT	LIMIT	UNITS
VISIBLE EMISSIONS	0	PERCENT OPACITY

[**40CFR 63 Subpart UU, 4-20-2006**]

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D17, D18, D19, D20, D21, D23, D31, D39, D82]

A433.2 The operator shall limit emissions from this equipment as follows::

POLLUTANT	LIMIT	UNITS
VISIBLE EMISSIONS	1	PERCENT OPACITY

[**40CFR 63 Subpart UU, 4-20-2006**]

[Devices subject to this condition : D16, D111]

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]

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:

[Devices subject to this condition : D156, D157]

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:

C1.5 The operator shall limit the material processed to no more than 28320 ton(s) in any one month.

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

[Devices subject to this condition : D87]

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 filter media.

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

[Devices subject to this condition : 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, 5-6-2005**]

[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 : C77, C101]

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:

D12.4 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]

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

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

[Devices subject to this condition : D127]

D28.5 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.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

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

[Devices subject to this condition : C77, C101, C132]

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:

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.

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:

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

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D23, D24, D27, 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, D82, D83, D84, D87, D88, D100, C101, D104, D105, D106, D111, D125, D129]

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]

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]

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:

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**]

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:

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D23, D31, D39, D82, D111]

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, 12-12-1997**]

[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.

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:

Condition Number 113-1

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

[Devices subject to this condition : D1]

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

The combustion chamber temperature shall be maintained at a minimum of 1,400 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,400 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,400 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days

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:

after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[**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; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C77, C101, C132]

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

The bag house pressure differential across the filter bags shall be maintained between 2" and 8" of water column whenever the equipment it serves is in operation.

The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the bag house filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The pressure differential across the filters shall be recorded continuously with a recording device.

For the purpose of this condition, a deviation shall be defined as when the pressure differential across the filters is less than 2" of water column or more than 8" of water column occurs during the normal operation of the equipment it serves except a startup exemption period of 14 days after new filters are installed, when the 2" limit will not apply.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the pressure differential across the filters between 2" and 8" of water column, and keep records of the duration and cause(including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 And 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan(QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occurs in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

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:

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[**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; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C75]

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

The bag house pressure differential across the filter bags shall be maintained between 2" and 8" of water column whenever the equipment it serves is in operation.

The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the bag house filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The pressure differential across the filters shall be recorded at least once a day.

For the purpose of this condition, a deviation shall be defined as when the pressure differential across the filters is less than 2" of water column or more than 8" of water column occurs during the normal operation of the equipment it serves except a startup exemption period of 14 days after new filters are installed, when the 2" limit will not apply.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the pressure differential across the filters between 2" and 8" of water column, and keep records of the duration and cause(including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 And 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan(QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occurs in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

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:

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[**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; 40CFR Part 64, 10-22-1997**]

[Devices subject to this condition : C86]

H. Applicable Rules

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 63 Subpart UU, 4-20-2006**]

[Devices subject to this condition : D3, D5, D7, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D23, D31, D35, D36, D37, D39, D44, D45, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D63, D64, D65, D69, D70, D71, D82, D84, D87, D88, D104, D105, D106, D111, D125, E130, E153]

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

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:

[**RULE 1146.2, 5-5-2006**]

[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

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E130]

K. Record Keeping/Reporting

K40.6 The operator shall provide to the District a source test report in accordance with the following specifications:

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:

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

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

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).

The control efficiency of the control device. Source test results shall also include production rate under which the test was conducted

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

[Devices subject to this condition : C77, C101, C132]

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.

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:

[**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]

FACILITY PERMIT TO OPERATE
OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE