

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: COATING AND DRYING</b>					
<b>System 3: FLOWCOATING AND CURING OVEN</b>					
COATER, FLOW, PHENOLIC RESIN, 50 GALS; WIDTH: 9 FT 10 IN; HEIGHT: 10 FT 7 IN; LENGTH: 17 FT 2 IN A/N:	D62	C65		<b>VOC:</b> (9) [RULE 1128, 3-8-1996; RULE 1171, 5-12-1995; RULE 1171, 8-2-2002]	A63.8, B59.10, B61.4, C8.1, H23.3, K67.9, K67.12
OVEN, CURING, NO. 8, HONEYCOMB SHEETS, CONVEYORIZED, WITH FOUR 25 HP. RECIRCULATING BLOWERS, FOUR 1.5 HP. EXHAUST FANS, AND FOUR 1.5 HP. COMBUSTION BLOWERS WITH A/N:  BURNER, NATURAL GAS, ECLIPSE, MODEL WINNOX #100 V2.3, WITH FOUR LOW NOX BURNERS, 1.0 MMBTU/HR EACH, 4.0 MMBTU/HR TOTAL	D63	C65		<b>NOX:</b> 30 PPMV NATURAL GAS (5) [RULE 1147, 9-9-2011]; <b>NOX:</b> 30 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	A63.8, B59.10, K67.9

\* (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 M.C. GILL CORP

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: COATING AND DRYING</b>					
AFTERBURNER, THERMAL REGENERATIVE, RTO#10, ADWEST, MODEL RETOX 15.0, RTO 95, 20 FT 6 IN W. X 38 FT 3 IN L. X 14 FT, 2 IN H., WITH 2 CERAMIC BEDS, ONE 7.5 HP. COMB. BLOWER, ONE 115 HP MAIN BLOWER WITH  A/N:  BURNER, START-UP, NATURAL GAS, MAXON, MODEL KINEDIZER LE, WITH LOW NOX BURNER, 4.34 MMBTU/HR	C65	D62 D63		CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 60 PPMV NATURAL GAS (5) [RULE 1147, 9-9-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.8, A72.3, C1.6, D28.1, D182.1, D323.1, E193.3
<b>Process 2: DIP TANK IMPREGNATING OPERATION</b>					
<b>System 1: HONEYCOMB BAKING, ROTOCURE PRESS</b>					
AFTERBURNER, HOT ROCK, #8, ADWEST, MODEL RETOX 6.0 RTO95, 11 FT-8 IN W. X 19 FT-2 IN L. X 8 FT-11 IN H, NATURAL GAS, WITH 2 CERAMIC BEDS, A 100 HP EXHAUST FAN & NAT GAS INJECTION, STARTUP BURNER, 4.5 MMBTU/HR  A/N:	C49			CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (5) [RULE 1147, 9-9-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.8, A72.3, B59.6, C1.6, D182.1, E193.3, H23.5
<b>System 2: PREPREGGER #1, NOMEX OVEN</b>					

\* (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 M.C. GILL CORP

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: DIP TANK IMPREGNATING OPERATION</b>					
AFTERBURNER, HOT BED, ADWEST, MODEL RETOX 9.0, RTO 95, 10 FT W. X 22 FT 10 IN L. X 8 FT H., WITH, NATURAL GAS, 2 CERAMIC BEDS, 3 HP COMB AIR BLOWER AND 40 H.P. EXH FAN, NGI, STARTUP BURNER, 2.5 MMBTU/HR A/N:	C48			CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (5) [RULE 1147, 9-9-2011]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.8, A72.3, C1.6, D182.1, E193.3, H23.5
<b>System 3: PREPREGGER #2 AND PREPREGGER #3</b>					
PROCESS TANK, UNHEATED, TRAPEZOIDAL DIP, PREPREGGER #3, WIDTH: 2 FT ; HEIGHT: 6 IN; LENGTH: 5 FT A/N: 524462 Permit to Construct Issued: 05/30/12	D56	C47		VOC: (9) [RULE 1128, 3-8-1996; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.8, A63.11, B59.9, H23.3, K67.9
OVEN, C.A. LITZLER CORPORATION, PREPREGGER #3, PROCESS HEAT IS FROM AFTERBURNER #6 (C47) A/N: 524462 Permit to Construct Issued: 05/30/12	D57	D1 C47			A63.8, A63.11, B59.9, K67.9
AFTERBURNER, HOT ROCK, #6, ADWEST, MODEL RETOX 9.0, RTO 95, 10 FT W. X 22 FT 10 IN L. X 8 FT H., WITH, NATURAL GAS, 2 CERAMIC BEDS, A 7.5 HP COMB. AIR FAN, A 50 HP EXH FAN & NG INJ, STARTUP BURNER, 2.5 MMBTU/HR A/N:	C47	D56 D57		CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 60 PPMV NATURAL GAS (5) [RULE 1147, 9-9-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.8, A72.3, B59.1, C1.6, D182.1, E193.3, H23.5
<b>System 4: HONEYCOMB DIP COAT IMPREGNATING ROOM #1, AND BAKE OVENS</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: DIP TANK IMPREGNATING OPERATION</b>					
PROCESS TANK, DIP, INSIDE IMPREGNATING ROOM NO. 1, 3851 GALS; WIDTH: 7 FT 1 IN; HEIGHT: 4 FT 10 IN; LENGTH: 15 FT 5 IN A/N: 527422 Permit to Construct Issued: 04/17/12	D8	C55		VOC: (9) [RULE 1128, 3-8-1996; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.8, B59.6, B61.3, C8.1, H23.3, K67.9, K67.12
OVEN, NO. 6, HONEYCOMB BAKE WITH TWO 25. HP. RECIRCULATING BLOWERS, ONE 7.5-HP., EXHAUST FAN AND PROCESS HEAT FROM RTO #9 (C55) A/N: 527418 Permit to Construct Issued: 04/17/12	D53	C55			A63.8, B59.6, E71.2, K67.9
OVEN, NO. 7, HONEYCOMB BAKE WITH TWO 25. HP. RECIRCULATING BLOWERS, ONE 7.5-HP., EXHAUST FAN, AND PROCESS HEAT FROM RTO #9 (C55) A/N: 527419 Permit to Construct Issued: 04/17/12	D54	C55			A63.8, B59.6, E71.2, K67.9

\* (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 M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: DIP TANK IMPREGNATING OPERATION</b>					
AFTERBURNER, HOT ROCK, #9, ADWEST, MODEL RETOX 12.0 RTO95, 15 FT 11 IN. W. X 24 FT L. X 10 FT 5 IN. H., NATURAL GAS, WITH 2 CERAMIC BEDS, A 5 HP COMB. AIR FAN, A 75-HP. EXH. FAN AND NATURAL GAS INJ, 3.5 MMBTU/HR WITH  A/N:          BURNER, NATURAL GAS, MAXON, MODEL KINEDIZER LE LOW-NOX, WITH LOW NOX BURNER, 3.5 MMBTU/HR	C55	D8 D53 D54		CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 60 PPMV NATURAL GAS (5) [RULE 1147, 12-5-2008]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.8, A72.2, C1.6, D182.2, D323.1, E193.3, H23.5
<b>Process 6: BOILER</b>					

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE  
M.C. GILL CORP**

**SECTION H: 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  
M.C. GILL CORP**

**SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D8	4	2	4
C47	3	2	3
C48	3	2	2
C49	2	2	1
D53	4	2	4
D54	4	2	4
C55	5	2	4
D56	3	2	3
D57	3	2	3
D60	6	6	0
D62	1	1	3
D63	1	1	3
C65	2	1	3

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

#### **FACILITY CONDITIONS**

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
Single Volatile Hazardous Air Pollutant (VHAP)	Less than 10 TONS IN ANY 12-MONTH PERIOD
Combination of Volatile Hazardous Air Pollutants (VHAPs)	Less than 25 TONS IN ANY 12-MONTH PERIOD

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

To maintain exemption from the requirements of 40 CFR 63, Subpart GG, the operator shall comply with the Volatile Hazardous Air Pollutant (VHAP) emission limits of this condition. To ensure compliance with the VHAP emission limits of this condition, the operator shall:

- (a) Comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).
- (b) Within 14 calendar days after the end of each month, total and record VHAP emissions for the month and for the previous 12 month period from all equipment and operations that are required to have written permits or exempt from written permits pursuant to Rule 219. The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.
- (c) Maintain a single list which includes only the name and address of each person from whom the facility acquired VHAP-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.
- (d) Retain all purchase invoices for all VHAP-containing material used or stored at the facility, and all waste manifests for all waste VHAP-containing material removed from the facility.
- (e) Retain all records required by this permit at the facility for five years, and make all records available to any District representative upon request.

**[40CFR 63 Subpart DDDDD, 9-13-2004; 40CFR 63 Subpart GG, 12-8-2000]**

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
- (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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

#### DEVICE CONDITIONS

##### A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 5070 LBS IN ANY CALENDAR MONTH

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment prepregger #1 (D11, D13), prepregger #2 (D16-D17), prep oven #1, oven #2 (D5), honeycomb printer (D14), oven #3 (D6), dip coat processes #1 (D8) and #2 (D9), rotocure press #10 (D41), adhesive coating (D20-D22), dip coat ovens (D53-D54), prepregger #3 (D56-D57), resin flowcoater (D62) and curing oven #8 (D63).

For equipment that is vented to air pollution control (APC) equipment, the VOC emissions shall be calculated using the minimum required overall control efficiency specified in the permits for the APC equipment.

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

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D8, C47, C48, C49, D53, D54, C55, D56, D57, D62, D63, C65]

A63.11 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 900 LBS IN ANY CALENDAR MONTH

The operator shall calculate the emission limit(s) for VOC from this equipment using the required overall control efficiency specified in the permit condition for the APC equipment.

[**RULE 1303, 5-10-1996**; RULE 1303, 12-6-2002; RULE 212, 11-14-1997]

[Devices subject to this condition : D56, D57]

A72.2 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 98 percent for VOC during the normal operation of the equipment it vents.

[**RULE 1128, 3-8-1996**; **RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C55]

A72.3 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 98 percent for VOC during the normal operation of the equipment it vents.

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

[Devices subject to this condition : C47, C48, C49, C65]

#### **B. Material/Fuel Type Limits**

B59.1 The operator shall not use the following material(s) in this device :

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

methylene chloride

[RULE 1401, 12-7-1990]

[Devices subject to this condition : C47]

B59.6 The operator shall not use the following material(s) in this device :

any carcinogenic compounds identified in Rule 1401, Table I with an effective date of December 7, 1990 or earlier with the exception of formaldehyde (CAS #50-00-0).

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D8, C49, D53, D54]

B59.9 The operator shall not use the following material(s) in this device :

any carcinogenic compounds identified in Rule 1401, Table I with an effective date of September 10, 2010, or earlier, with the exception of acrylonitrile (CAS #107-13-1), butadiene (CAS #106-99-0), ethyl benzene (CAS #100-41-4) and formaldehyde (CAS #50-00-0).

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D56, D57]

B59.10 The operator shall not use the following material(s) in this device :

any carcinogenic compounds identified in Rule 1401, Table I with an effective date of September 10, 2010, or earlier, with the exception of formaldehyde (CAS #50-00-0).

[RULE 1401, 9-10-2010]

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D62, D63]

B61.3 The operator shall not use materials containing the following specified compounds:

Compound	weight percent
formaldehyde greater than	0.5

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D8]

B61.4 The operator shall not use materials containing the following specified compounds:

Compound	weight percent
formaldehyde greater than	2.0

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D62]

#### **C. Throughput or Operating Parameter Limits**

C1.6 The operator shall limit the duration of startup to no more than 20 hour(s) in any one calendar month.

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

For the purpose of this condition, startup shall be defined as operation of the startup burner.

The burner of the regenerative thermal oxidizer shall only be used for start-up of this equipment before the process air stream from the resin flowcoater (D62) and drying operations (D63) is introduced into the oxidizer.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

To comply with this condition, the operator shall install and operate a monitoring and recording system to verify the operating time of the regenerative thermal oxidizer start-up burner in minutes or hours for each calendar month. A hard copy of the total burner operating time for the calendar month shall be printed out at the end of each month.

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

[Devices subject to this condition : C47, C48, C49, C55, C65]

- C8.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is not less than 0.03 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the pressure differential into the enclosure (dip coat impregnating room).

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

[Devices subject to this condition : D8, D62]

#### **D. Monitoring/Testing Requirements**

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

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to determine the NOx emissions using District method 100.1.

The test shall be conducted to determine the CO emissions using District method 100.1.

The test shall be conducted to determine the oxygen concentration using District method 100.1.

**[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]**

[Devices subject to this condition : D60, C65]

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

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

The operator shall determine compliance with CO and NOx emissions limit by conducting a test at least once every year using a portable analyzer and AQMD-approved 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 the applicable concentration limit(s)

The operator shall comply with all general testing, reporting, and recordkeeping requirements in sections E and K of this permit

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

**[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D60]

D182.1 The operator shall test this equipment in accordance with the following specifications:

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

The test shall be conducted no later than May 8, 2014, unless otherwise approved in writing by the District.

The test shall be conducted to determine the VOC emissions, and capture, destruction & overall efficiency of the RTO using an approved District method to demonstrate compliance with all applicable permit condition(s), rules and regulations.

The source test shall be conducted while the oxidizer is operating at a temperature of not less than the minimum operating temperature specified in this permit. If the operating temperature during the source test is greater than the minimum operating temperature specified in this permit, the minimum operating temperature specified in the permit may be increased to reflect the operating temperature during the source test

The operator shall comply with Administrative Condition nos. 8, 9 and 10 of Section E of this facility permit.

The operator shall submit two complete copies of the source test report specified in condition no. 9 of Section E of this facility permit to the District Engineering and Compliance Division.

The Engineering copy of the report shall be sent to: South Coast Air Quality Management District, Coating, Printing and Aerospace Operations, Attn: Air Quality and Compliance Supervisor, 21865 Copley Drive, Diamond Bar, CA 91765. The Compliance copy of the report shall be sent to: South Coast Air Quality Management District, P.O. Box 4941, Diamond Bar, CA 91765.

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

**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 : C47, C48, C49, C65]

D182.2 The operator shall test this equipment in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

The test shall be conducted no later than 180 days after the initial start-up of the equipment unless otherwise approved in writing by the District.

A source test protocol shall be submitted to the District engineer, Jeanne Pandes Villacorte, no later than 60 days after the initial start-up of this equipment unless otherwise approved in writing by the District. The test protocol shall be approved in writing by the District before the test commences.

The test protocol shall include the completed District Forms ST-1 and ST-2 specifying the proposed operating conditions of the equipment during the test, the identifying of the testing laboratory, a statement from the testing laboratory certifying it meets the criteria in District Rule 304(k), and a description of the sampling and analytical procedures to be used.

The source tests shall consist of, but not limited to, testing at the inlet and the exhaust of the oxidizer for VOC in ppmv and lbs/hr, NO<sub>x</sub> and CO emissions in ppmv @ 3% O<sub>2</sub> and lbs/hr (oxidizer exhaust only), NO<sub>x</sub> emissions during the start-up burner operation only in ppmv @ 3% O<sub>2</sub>, VOC destruction efficiencies for different operations to show compliance with permit conditions, oxygen content, moisture content, flow rate and temperature.

In addition, the usage of all VOC-containing materials (resins, solvents, etc.) and operating temperature in the combustion chamber shall be recorded during the test.

The source test shall be conducted while the oxidizer is operating at a temperature of not less than the minimum temperature specified in this permit. If the operating temperature during the source test is greater than the minimum operating temperature specified in this permit, the minimum operating temperature may be increased at the time a permit to operate is issued to reflect the operating temperature during the source test.

A written notice of the source tests shall be submitted to the District Engineer, Jeanne Pandes Villacorte, at least 14 days prior to the source testing date so that an observer from the District may be present.

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Two complete copies of the source test reports shall be submitted to the District Engineer, Jeanne Pandes Villacorte, within 45 days after the source testing date. The source test report shall include, but not be limited to, all testing data required by this condition.

A testing laboratory certified by the California Air Resources Board in the required testing methods for criteria pollutants to be measured, and in compliance with District Rule 304 (no conflict of interest) shall conduct the test.

Sampling facilities shall comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

The owner or operator of this equipment shall submit the results of all preliminary tests that are conducted on this equipment for informational purposes to the District Engineer, Jeanne Pandes Villacorte, within 45 days after the testing date.

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

[Devices subject to this condition : C55]

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

**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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

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

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

[Devices subject to this condition : C55, C65]

- D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146. 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 : D60]

- D328.2 The operator shall determine compliance with the NOX emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146. 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 : D60]

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

- E71.2 The operator shall only use this equipment to process materials that have been applied through either dip room #1 (D8) or dip room #2 (D9).

[Devices subject to this condition : D53, D54]

- E71.3 The operator shall demonstrate and maintain compliance of this equipment with all applicable requirements of Rule 1146(c)(1), (c)(2), (c)(3) and (c)(6) by June 30, 2013 and for the life of the unit.

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

**[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]**

[Devices subject to this condition : D60]

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

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

The combustion chamber temperature shall be maintained at a minimum of 1,475 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 of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications.

For the purpose of this condition, a deviation shall be defined as when the combustion chamber temperature of less than 1,475 degrees Fahrenheit occurs during the 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 actions to maintain the combustion chamber temperature at or above 1,475 degrees Fahrenheit, 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 pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The 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 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 after the due date for the semi-annual monitoring report.

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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 : C47, C48, C49, C55, C65]

#### **H. Applicable Rules**

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

**[RULE 109, 5-2-2003]**

[Devices subject to this condition : D8, D56, D62]

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

Contaminant	Rule	Rule/Subpart
NOX	District Rule	1147

**[RULE 1147, 9-9-2011]**

[Devices subject to this condition : C47, C48, C49, C55]

#### **K. Record Keeping/Reporting**

## FACILITY PERMIT TO OPERATE M.C. GILL CORP

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Material safety data sheets for all coatings and solvents used at this facility shall be kept current and made available to District personnel upon request. In addition to the record keeping requirements in Rule 109, the operator shall keep adequate records for this equipment to verify daily and calendar monthly volatile organic compound (VOC) emissions in pounds and the VOC content of each material as applied including water and exempt solvent.

All records shall be prepared in a format which is acceptable to the District and shall be made available to District personnel upon request.

Within 14 calendar days after the end of each month, total and record VOC emissions for the month from all equipment and operations under the VOC emission cap of condition A63.8. The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.

Maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.

Retain all purchase invoices for all VOC-containing material used or stored at the facility and all waste manifests for all waste VOC containing material removed from the facility.

[**RULE 109, 5-2-2003; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D8, D53, D54, D56, D57, D62, D63]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

## **FACILITY PERMIT TO OPERATE M.C. GILL CORP**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

weight percent of formaldehyde in materials used in this equipment.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D8, D62]