FACILITY PERMIT TO OPERATE
ROHR, INC.

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
Process 4: SURFACE COATING					P2.1
System 1: PRODUCTION SPRAY BOOTHS					
SPRAY COATING OPERATION, GLOBAL FINISHING SOLUTIONS, AUTOMOTIVE TYPE, 21 FT W X 21FT L X 12 FT-6 IN H, EIGHT 20 X 20 IN. POCKET FILTERS AND ONE 2-HP EXHAUST FAN A/N: 523904 Permit to Construct Issued: 12/20/11	D265	C266		**HAP**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1168, 1-7-2005; RULE 1171, 2-1-2008;** *RULE 1171, 5-1-2009*]	A63.22, B59.4, C1.25, C6.24, D322.1, E175.8, E193.2, H23.17, K67.1, K67.2, K67.6
AFTERBURNER, ADWEST TECHNOLOGIES, MODEL RETOX 3000, WITH 450,000 BTU/HOUR NGI, ONE 3-HP COMBUSTION AIR BLOWER, EXHAUST SYSTEM WITH A 15 HP BLOWER @ 3000 SCFM, WITH LOW NOX BURNER, 0.867 MMBTU/HR WITH A/N: 525293 Permit to Construct Issued: 12/20/11 BURNER, 867,000 BTU/HR, NATURAL GAS, MAXON, MODEL KINEDIZER LE3", WITH LOW NOX BURNER	C266	D265	NOX: PROCESS UNIT**	**CO**: 2000 NATURAL GAS (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV NATURAL GAS (4) [**RULE 2005, 6-3-2011**]; **NOX**: 130 LBS/MMSCF (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	A72.1, A72.2, C8.1, D28.1, D29.2, E193.2
Process 9: ABRASIVE BLASTING					

* (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
ROHR, INC.

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
Process 9: ABRASIVE BLASTING					
ABRASIVE BLASTING, ROOM, 10 FT3 BLASTING POT, ALUMINUM OXIDE, WIDTH: 10 FT ; HEIGHT: 10 FT ; LENGTH: 14 FT WITH A/N: 551298 Permit to Construct Issued: 09/11/13 ABRASIVE BLASTING NOZZLE, FOUR, DIAMETER: .44 IN; 100 PSIG	D278	C279 C284		**PM**: (9) [**RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986**]	D323.1, E448.2
DUST COLLECTOR, WITH PULSE JET CLEANING SYSTEM, ZERO/CLEMCO, MODEL CDF-6, EACH CARTRIDGE 14 IN DIA X 26 IN L., WITH ONE 6000 CFM BLOWER, 3024 SQ.FT.; 12 CARTRIDGE A/N: 551295 Permit to Construct Issued: 09/11/13	C279	D278 C282			A63.21, C6.27, D322.2, E102.1, H23.14, K67.1
FILTER, HEPA, THREE, WIDTH: 11.5 IN; HEIGHT: 1 FT ; LENGTH: 1 FT A/N: 551295 Permit to Construct Issued: 09/11/13	C282	C279		**PM**: (9) [**RULE 404, 2-7-1986**]	A63.21, C6.26, D322.2, E175.2, H23.14, K67.1
CYCLONE, ZERO/CLEMCO, MODEL 4000, HEIGHT: 2 FT 10 IN; DIAMETER: 3 FT 6 IN A/N: 551299 Permit to Construct Issued: 09/11/13	C284	D278 C280			

* (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
ROHR, INC.

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
Process 9: ABRASIVE BLASTING					
DUST COLLECTOR, MODEL CDF-4, PULSE JET CLEANING SYSTEM, ZERO/CLEMCO, EACH CARTRIDGE 14 IN DIA X 26 IN L, WITH ONE 4000 CFM BLOWER, 2016 SQ.FT.; 8 CARTRIDGE A/N: 551299 Permit to Construct Issued: 09/11/13	C280	C283 C284			A63.21, C6.27, D322.2, E102.1, H23.14, K67.1
FILTER, HEPA, TWO, WIDTH: 11.5 IN; HEIGHT: 1 FT ; LENGTH: 1 FT A/N: 551299 Permit to Construct Issued: 09/11/13	C283	C280		**PM**: (9) [**RULE 404, 2-7-1986**]	A63.21, C6.26, D322.2, E175.2, H23.14, K67.1
ABRASIVE BLASTING, ROOM, NO.3, PROGRESSIVE TECHNOLOGIES, ALUMINUM OXIDE, WIDTH: 16 FT ; HEIGHT: 14 FT ; LENGTH: 22 FT WITH A/N: 565348 Permit to Construct Issued: 09/09/14 ABRASIVE BLASTING NOZZLE, 4 TOTAL; DIAMETER: .38 IN; 110 PSIG	D287	C288 C290		**PM**: (9) [**RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986**]	D323.1, E448.2
DUST COLLECTOR, 6080 SQ.FT., CARTRIDGE FILTER, DONALDSON TORIT, MODEL DF04-32, EACH 13 IN DIA X 26 IN L, 20-HP EXHAUST FAN, 8000 CFM, 32 CARTRIDGE A/N: 565350 Permit to Construct Issued: 09/09/14	C288	D287 C289			A63.21, C6.27, D322.2, E102.1, H23.14, K67.1

* (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
ROHR, INC.

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
Process 9: ABRASIVE BLASTING					
FILTER, HEPA, FOUR TOTAL, WIDTH: 11.5 IN; HEIGHT: 1 FT ; LENGTH: 1 FT A/N: 565350 Permit to Construct Issued: 09/09/14	C289	C288		**PM**: (9) [**RULE 404, 2-7-1986**]	A63.21, C6.26, D322.2, E102.1, E175.2, H23.14, K67.1
CYCLONE, ZERO/CLEMCO, MODEL 4000, HEIGHT: 2 FT 10 IN; DIAMETER: 3 FT 6 IN A/N: 565351 Permit to Construct Issued: 09/09/14	C290	D287 C291			
DUST COLLECTOR, 6080 SQ.FT., CARTRIDGE FILTER, DONALDSON TORIT, MODEL DF04-32, EACH 13 IN DIA X 26 IN L, 75-HP EXHAUST FAN, 8000CFM, 32 CARTRIDGE A/N: 565351 Permit to Construct Issued: 09/09/14	C291	C290 C292			A63.21, C6.27, D322.2, E102.1, H23.14, K67.1
FILTER, HEPA, FOUR TOTAL, WIDTH: 11.5 IN; HEIGHT: 1 FT ; LENGTH: 1 FT A/N: 565351 Permit to Construct Issued: 09/09/14	C292	C291		**PM**: (9) [**RULE 404, 2-7-1986**]	A63.21, C6.26, D322.2, E102.1, E175.2, H23.14, K67.1
Process 20: LASER CUTTING					
DUST COLLECTOR, THREE STAGE FILTER CONSISTING: PRE-FILTER, DAYTON, 3AA31, FUMEX, FA5, 95 SQ. FT PLEATED FILTER, BONDED CARBON, AND 1 FINAL HEPA FILTER, 0.75 HP A/N: 565356 Permit to Construct Issued: 09/09/14	C264	D248 D253 D260 D275		**PM**: (9) [**RULE 404, 2-7-1986**]	A63.21, C6.19, D90.2, D322.4, D381.2, E102.1, E175.6, E193.3, H23.14, K67.1

* (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
ROHR, INC.

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
Process 20: LASER CUTTING					
CUTTER, LASER, NO.1, PRODUCTION, 20 WATTS OUTPUT, 0.22 KWH A/N: 565354 Permit to Construct Issued: 09/09/14	D275	C264 C277		**PM**: (9) [**RULE 405, 2-7-1986**]	B59.12, C1.20, D323.1, E57.1, E147.1, E193.3, E193.4
CUTTER, LASER, NO.2, PRODUCTION, 80 WATTS OUTPUT, 1 KWH A/N: 565352 Permit to Construct Issued: 09/09/14	D276	C277		**PM**: (9) [**RULE 405, 2-7-1986**]	B59.12, C1.29, D323.1, E57.1, E147.1, E193.4
CUTTER, LASER, NO.3, PRODUCTION, SPI LASER REDENRGY G4, 80 WATTS OUTPUT, 1 KWH A/N: 565354 Permit to Construct Issued: 09/09/14	D293	C277		**PM**: (9) [**RULE 404, 2-7-1986**]	B59.12, C1.29, D323.1, E57.1, E147.1, E193.4
DUST COLLECTOR, FSC2, THREE STAGE FILTERS CONSISTING: PRE-FILTER 220 SQ. FT, SECOND STAGE, CARBON & ALUMINA, AND ONE 1 SQ. FT HEPA FINAL FILTER, WITH 2 HP., 552 CFM BLOWER A/N: 565357 Permit to Construct Issued: 09/09/14	C277	D275 D276 D293		**PM**: (9) [**RULE 404, 2-7-1986**]	A63.21, C6.19, D90.2, D322.4, D381.2, E102.1, E175.6, E193.4, H23.14, K67.1
Process 21: SOIL VAPOR EXTRACTION					

* (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
ROHR, INC.

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
Process 21: SOIL VAPOR EXTRACTION					
CARBON ADSORBER, TWO VESSELS IN SERIES, 10,000 LBS EACH, GRANULATED ACTIVATED CARBON, WITH A 75-HP VACUUM BLOWER, 2500 CFM WITH A/N: VAPOR EXTRACTION WELL, UP TO 75 TOTAL, AIR SPARGING WELLS, UP TO 40 TOTAL,, WITH TWO 30-HP COMPRESSORS.	C256				C6.21, C6.22, C6.23, D90.3, D90.4, D90.5, E71.5, E128.1, E153.2, H23.16

* (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
ROHR, INC.

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
ROHR, INC.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	**Section H Page No.**	**Process**	**System**
C256	6	21	0
C264	4	20	0
D265	1	4	1
C266	1	4	1
D275	5	20	0
D276	5	20	0
C277	5	20	0
D278	2	9	0
C279	2	9	0
C280	3	9	0
C282	2	9	0
C283	3	9	0
C284	2	9	0
D287	3	9	0
C288	3	9	0
C289	4	9	0
C290	4	9	0
C291	4	9	0
C292	4	9	0
D293	5	20	0

FACILITY PERMIT TO OPERATE
ROHR, INC.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

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

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

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

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

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

[RULE 431.2, 9-15-2000]

F14.2 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

[**RULE 431.2, 5-4-1990;** RULE 431.2, 9-15-2000]

PROCESS CONDITIONS

P2.1 The operator shall limit emissions from this process as follows

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 1179 LBS IN ANY ONE DAY

For the purposes of this condition, the emission limit(s) shall be based on the total combined emissions from process 1(Ovens) and 4 (Surface coating).

FACILITY PERMIT TO OPERATE
ROHR, INC.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

[Processes subject to this condition : 1, 4]

DEVICE CONDITIONS

A. Emission Limits

A63.21 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 0 Percent Opacity

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C264, C277, C279, C280, C282, C283, C288, C289, C291, C292]

A63.22 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 10 TONS IN ANY 12-MONTH PERIOD

This limit is based on the total of all VOC emissions from the spray booth prior to the venting to the thermal oxidizer

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

[Devices subject to this condition : D265]

A72.1 The operator shall maintain this equipment to achieve a minimum destruction efficiency of 95 percent for ROG during the normal operation of the equipment it vents.

FACILITY PERMIT TO OPERATE
ROHR, INC.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

[Devices subject to this condition : C266]

A72.2 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 95 percent for ROG 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]

[Devices subject to this condition : C266]

B. Material/Fuel Type Limits

B59.4 The operator shall not use the following material(s) in this device :

materials contaning any toxic air contaminants identified in Table 1 of the SCAQMD Rule 1401 with an effective date of September 10, 2010 except Methyl Ethyl Keton (CAS# 78-93-3).

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D265]

B59.12 The operator shall not use the following material(s) in this device :

Materials containing any toxic air contaminants identified in table 1 of the SCAQMD Rule 1401 as amended September 10, 2010, or earlier except methyl ethyl ketone.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D275, D276, D293]

C. Throughput or Operating Parameter Limits

FACILITY PERMIT TO OPERATE
ROHR, INC.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

C1.20 The operator shall limit the material processed to no more than 15 lb(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as the total weight of material being cut by the laser.

For the purpose of this condition, material processed shall be defined as resin impregnated carbon fiber, resin impregnated fiberglass, epoxy film adhesive, and peel ply material.

To comply with this condition, the operator shall maintain records of the type of material used, total length, width, and thickness of the material being cut.

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

[**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 : D275]

C1.25 The operator shall limit the coating and solvent usage to no more than 1200 gallon(s) in any one calendar month.

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

[Devices subject to this condition : D265]

C1.29 The operator shall limit the material processed to no more than 38 lb(s) in any one calendar month.

FACILITY PERMIT TO OPERATE
ROHR, INC.

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, material processed shall be defined as the total weight of material being cut by the laser.

For the purpose of this condition, material processed shall be defined as resin impregnated carbon fiber, resin impregnated fiberglass, epoxy film adhesive, and peel ply material.

To comply with this condition, the operator shall maintain records of the type of material used, total length, width, and thickness of the material being cut.

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

[**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 : D276, D293]

C6.19 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 6 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filters.

The operator shall determine and record the parameter being monitored once every 7 days.

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

[Devices subject to this condition : C264, C277]

C6.21 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 10 ppm.

The operator shall install and maintain a(n) continous monitoring system to accurately indicate the hydrocarbon concentration between the primary and secondary carbon vessels.

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ROHR, INC.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

[Devices subject to this condition : C256]

C6.22 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 120 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the vapor stream at the inlet to the primary carbon vessel.

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

[Devices subject to this condition : C256]

C6.23 The operator shall use this equipment in such a manner that the flow being monitored, as indicated below, does not exceed 2500 CFM.

The operator shall install and maintain a flow indicator at the inlet to the carbon adsorption system to measure the total air flow rate through the carbon adsorbers in cubic feet per minute (CFM).

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

[Devices subject to this condition : C256]

C6.24 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 2.0 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the pocket type filter media.

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

[Devices subject to this condition : D265]

C6.26 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 2 inches water column.

FACILITY PERMIT TO OPERATE
ROHR, INC.

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

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA filter media.

The operator shall determine and record the parameter being monitored once every 7 days.

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

[Devices subject to this condition : C282, C283, C289, C292]

C6.27 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 5 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the cartridge filters.

The operator shall determine and record the parameter being monitored once every 7 days.

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

[Devices subject to this condition : C279, C280, C288, C291]

C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1500 Deg F.

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

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

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

[Devices subject to this condition : C266]

FACILITY PERMIT TO OPERATE
ROHR, INC.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D. Monitoring/Testing Requirements

D28.1 The operator shall conduct source test(s) 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 July 5, 2014 unless otherwise approved in writing by the District.

The test shall be conducted to determine the VOC emissions using an approved district method to demonstrate compliance with all applicable permit condition(s), rules and regulations.

The 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 this permit may be increased to reflect the operating temperature during the source test.

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

[Devices subject to this condition : C266]

D29.2 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
VOC	Approved District method	District-approved averaging time	Simultaneously
NOX emissions	Approved District method	District-approved averaging time	Outlet only
CO emissions	Approved District method	District-approved averaging time	Outlet only

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

A speciated analysis shall be conducted for organic compounds using GC/MS.

The speciated analysis shall be conducted for the inlet and outlet

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

Two complete copies of source test protocol shall be submitted to the District engineer 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, but not limited to, the proposed operating conditions of the equipment during the test, the identity 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.

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

Two complete copies of source test reports shall be submitted to the District engineer within 45 days after the source testing date.

The source test shall consist of, but may not be limited to, testing at the inlet and the exhaust of the afterburner for:

1) Volatile organic compound (VOC) in PPMV and lbs/hr

Oxides of Nitrogen in PPMV and lbs/hr at start-up while the start-up burner is in operation (Afterburner exhaust only)

Oxides of Nitrogen in ppmv and lbs/hr during normal operation while the start- up burner being off (Afterburner exhaust only)

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

4) Carbon Monoxide in ppmv and lbs/hr at start-up (Afterburner exhaust only)

5) Carbon Monoxide in ppmv and lbs/hr during normal operation (Afterburner exhaust only)

6) VOC Destruction efficiency

7) VOC Collection efficiency

8) Usage of all VOC-containing materials (Coatings, adhesives, solvent, etc.) during the test

9) Oxygen content

10) Moisture content

11) Flow rate

12) Temperature

13) VOC collection efficiency permanent total enclosure (PTE) as specified under USEPA Method 204, capture efficiency.

[**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, 9-10-2010]

[Devices subject to this condition : C266]

D90.2 The operator shall periodically monitor the hydrocarbon concentration at the inlet and outlet according to the following specifications:

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

The operator shall use a District approved Organic Vapor Analyzer (OVA) to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

The operator shall monitor once every month.

The monitoring frequency shall be reduced to at least quarterly, if three consecutive monthly monitoring show no hydrocarbon readings

The monitoring frequency shall be increased to once every month, no later than 30 days after the discovery of any hydrocarbon readings

The operator shall maintain records to demonstrate compliance with this condition

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

[Devices subject to this condition : C264, C277]

D90.3 The operator shall continuously monitor the hydrocarbon concentration across the primary and secondary carbon vessels according to the following specifications:

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

The operator shall use a flame ionization detector (FID) to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv Propane.

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

The analyzer shall be maintained and calibrated according to the EPA method 18 requirements.

Vapors shall not be extracted from the soil unless they are vented to the carbon adsorption system as described in the equipment description. The extraction and carbon adsorption system shall be leak free between the outlet of the blower and the outlet of the adsorption system.

Upon completion, the vapor extraction wells and ducts shal be capped to prevent vapors from venting to the atmosphere.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 6-5-2009]

[Devices subject to this condition : C256]

D90.4 The operator shall periodically sample the hydrocarbon concentration across the carbon adsorbtion system according to the following specifications:

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

The operator shall sample once every day after the first 15 days of operation for 10 days.

Sampling and analysis shall be conducted by an independent laboratory per Rule 304.

Sampling shall conform to CARB method 422 or equivalent. Samples with high moisture shall be collected using an appropriate method such as SCAQMD method 25.1/25.3 or other methods approved by the SCAQMD.

Analysis shall be conducted using EPA method TO15 or other method approved by SCAQMD.

The samples collected will check for Total Organic Compounds and Speciated Non-methane Organic Compounds.

Samples shall be collected at the inlet and outlet of the carbon adsorbtion system.

The operator shall submit to the District in writing the results of the sampling including but not limited to monitoring, lab analysis, flow, and temperature readings to prove compliance with the conditions of this permit. Submittal shall be within 45 days of start-up.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 6-5-2009]

[Devices subject to this condition : C256]

D90.5 The operator shall periodically monitor the hydrocarbon concentration across the carbon adsorption system according to the following specifications:

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

The operator shall sample once after six months but no later than nine months after start-up of operation

Sampling and analysis shall be conducted by an independent laboratory per Rule 304.

Sampling shall conform to CARB method 422 or equivalent. Samples with high moisture shall be collected using an appropriate method such as SCAQMD method 25.1/25.3 or other methods approved by the SCAQMD.

Analysis shall be conducted using EPA method TO15 or other method approved by SCAQMD.

The samples collected will check for Total Organic Compounds and Speciated Non-methane Organic Compounds.

Samples shall be collected at the inlet and outlet of the carbon adsorbtion system.

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

[Devices subject to this condition : C256]

D322.1 The operator shall perform a weekly 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 : D265]

D322.2 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 : C279, C280, C282, C283, C288, C289, C291, C292]

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

D322.4 The operator shall perform a monthly 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 : C264, C277]

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on 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**]

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

[Devices subject to this condition : D275, D276, D278, D287, D293]

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on 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 : C264, C277]

E. Equipment Operation/Construction Requirements

E57.1 The operator shall vent this equipment to an air pollution control device which is in full use and which has been issued a permit to operate by the Executive officer whenever it is in operation.

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

[Devices subject to this condition : D275, D276, D293]

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

E71.5 The operator shall only use this equipment if it is equipped with an automatic shut down which will shut down the extraction blower when the exhaust of the primary carbon vessel hydrocarbon concentration exceeds 10 ppmv measured as Propane.

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

[Devices subject to this condition : C256]

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

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

[Devices subject to this condition : C264, C277, C279, C280, C288, C289, C291, C292]

E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

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

[Devices subject to this condition : C256]

E147.1 The operator shall only conduct the processing of resin impregnated carbon fiber, resin impregnated fiberglass, epoxy film adhesive, and peel ply material in this equipment.

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

[Devices subject to this condition : D275, D276, D293]

E153.2 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

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

When breakthrough occurs, the system shall be shut down until the spent carbon vessel is replaced or replenished.

For the purpose of this condition, breakthrough shall be defined as an exhaust hydrocarbon concentration from the primary vessel in excess of 10 ppmv measured as Propane.

The activated carbon used in the carbon vessels shall have a butane activity number of not less than 23.5 as measured by ASTM method 5742 or a CTC no. not less than 60% as measured by ASTM method D3467.

To change over the carbon, the operator shall replace the first carbon canister with a fresh carbon canister. After the new carbon canister is installed, it shall become the last carbon canister in series.

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

[Devices subject to this condition : C256]

E175.2 The operator shall not use this equipment unless all exhaust air passes through the following:

Four HEPA filters that are individually DOP tested with 0.3 micron particulates and certified to have an efficiency of not less than 99.97%.

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

[Devices subject to this condition : C282, C283, C289, C292]

E175.6 The operator shall not use this equipment unless all exhaust air passes through the following:

A HEPA filter that is individually DOP tested with 0.3 micron particulates and certified to have an efficiency of not less than 99.97%.

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

[Devices subject to this condition : C264, C277]

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

E175.8 The operator shall not use this equipment unless all exhaust air passes through the following:

pocket type particulate dry filters and through the regenerative thermal oxidizer (RTO) which is in full operation.

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

[Devices subject to this condition : D265]

E193.2 The operator shall construct this equipment according to the following requirements:

This permit shall expire if the construction of this equipment is not completed within one year from the date of the issuance of this permit unless an extension of time has been approved in writing by a District representative.

The operator shall notify a District representative when construction has been completed.

[**RULE 204, 10-8-1993**]

[Devices subject to this condition : D265, C266]

E193.3 The operator shall restrict the operation of this equipment according to the following requirements:

Only two out of four laser cutters Devices D248, D253, D260, and D275 shall be operated at any one time.

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

[Devices subject to this condition : C264, D275]

E193.4 The operator shall restrict the operation of this equipment according to the following requirements:

Only two out of three laser cutters Devices D275, D276, and D293 shall be operated at any one time.

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

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

[Devices subject to this condition : D275, D276, C277, D293]

E448.2 The operator shall comply with the following requirements:

Only aluminum oxide shall be used as an abrasive media.

This equipment shall only be used to blast composite material.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D278, D287]

H. Applicable Rules

H23.14 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C264, C277, C279, C280, C282, C283, C288, C289, C291, C292]

H23.16 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule/Subpart
VOC District Rule	1166

[**RULE 1166, 7-14-1995;** RULE 1166, 5-11-2001]

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

[Devices subject to this condition : C256]

H23.17 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
PM	District Rule	481
VOC	District Rule	1124
VOC	District Rule	1171
VOC	District Rule	1168
HAPs	40CFR63, SUBPART	GG

[**RULE 109, 5-2-2003; RULE 1124, 9-21-2001; RULE 1168, 1-7-2005; RULE 1171, 2-1-2008;** RULE 1171, 5-1-2009; **RULE 481, 1-11-2002; 40CFR 63 Subpart GG, 4-20-2006**]

[Devices subject to this condition : D265]

K. Record Keeping/Reporting

K67.1 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**]

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

[Devices subject to this condition : C264, D265, C277, C279, C280, C282, C283, C288, C289, C291, C292]

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

weekly record of pressure drop across the filter media

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

[Devices subject to this condition : D265]

K67.6 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

daily usage and volatile organic compound emissions in a manner acceptable by the Executive Officer

[**RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D265]