



FACILITY PERMIT TO OPERATE

**ROHR, INC.
8200 ARLINGTON AVE
RIVERSIDE, CA 92503**

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 *Fred Roberts* FOR
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance



**FACILITY PERMIT TO OPERATE
ROHR, INC.**

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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 1: OVENS					P2.1
HEATER, MAKEUP AIR, CURING ROOM, NATURAL GAS, 20 FT. W. X 60 FT. L. X 10 FT. H, WITH LOW NOX BURNER, 0.887 MMBTU/HR A/N: 498846 Permit to Construct Issued: 08/06/09	D252		NOX: PROCESS UNIT**	CO: 50 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV (4) [RULE 2005, 5-6-2005]; 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]	E193.2
Process 4: SURFACE COATING					P2.1
SPRAY COATING OPERATION, SOLVENT, G81, 18 FT. W. X 18 FT. L. X 8 FT. H., WITH FORTY 20 X 20 1 ST STAGE FILTERS, FORTY 20 X 20 2 ND STAGE EXHAUST FILTERS, AND 3 H.P. EXHAUST FAN, WITH SPRAY BOOTH WITH A/N: 498845 Permit to Construct Issued: 08/06/09	D250			HAP: (10) [40CFR 63 Subpart GG, 12-8-2000]; PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.20, B27.11, C1.21, C6.20, D322.1, E71.1, E175.3, E193.2, H23.5, K67.1, K67.2, K67.6
HEATER, MAKEUP AIR, NATURAL GAS, MODEL WINNOX WX400 LOW NOX BURNER, WITH LOW NOX BURNER, 0.887 MMBTU/HR	D251		NOX: PROCESS UNIT**	CO: 50 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV (4) [RULE 2005, 5-6-2005]; 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]	
System 1: PRODUCTION SPRAY BOOTHS					

- * (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.

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: SURFACE COATING					P2.1
SPRAY COATING OPERATION, G-82, 20FT-0IN W. X 21FT-0IN L. X 8FT-6IN H., 1-60" X 144" BLANKET, 36-24" X 24" X 4 SECONDARY & 36-24" X 24" X 12" HEPA FILTERS, WITH 2-9.0HP FANS A/N: 509673 Permit to Construct Issued: 07/06/10	D258			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.14, C6.4, D182.2, D322.1, E71.1, E71.4, E175.5, H23.15, K67.1, K67.2, K67.6, L341.2
SPRAY COATING OPERATION, G-83, 20FT-0IN W. X 21FT-0IN L. X 8FT-6IN H., 1-60" X 144" BLANKET, 36-24" X 24" X 4 SECONDARY & 36-24" X 24" X 12" HEPA FILTERS, WITH 2-9.0HP FANS A/N: 509680 Permit to Construct Issued: 07/06/10	D259			PM: (9) [RULE 404, 2-7-1986]; VOC: (10) [40CFR 63 Subpart GG, 12-8-2000]; VOC: (9) [RULE 1124, 9-21-2001; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.14, C6.4, D182.2, D322.1, E71.1, E71.4, E175.5, H23.15, K67.1, K67.2, K67.6, L341.1
Process 20: LASER CUTTING					
CUTTER, R & D PROTOTYPE, LASER, MODEL NO. YLP-1/100/20, 220 WATTS MAXIMUM A/N: 501000 Permit to Construct Issued: 10/30/09	D248	C249		PM: (9) [RULE 405, 2-7-1986]	B59.10, C1.20, D323.1, E57.1, E147.1, E193.2
DUST COLLECTOR, FUMEX, FA1, WITH ONE POLYESTER PREFILTER, ONE MERV 11 PANEL FILTER, ONE HEPA, & ONE ADSORBER (CARBON AND ALUMINA IMPRGNATED WITH POTASSIUM PERMANGANATE) A/N: 496103 Permit to Construct Issued: 05/12/09	C249	D248		PM: (9) [RULE 404, 2-7-1986]	A63.21, C6.19, D29.1, D90.2, D322.4, D381.2, E102.1, E193.2, 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.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 20: LASER CUTTING					
CUTTER, R & D, LASER, MODEL NO. ASC-3-SPI-20, 220 WATTS MAXIMUM A/N: 503427 Permit to Construct Issued: 03/02/10	D253	C254		PM: (9) [RULE 405, 2-7-1986]	B59.10, C1.20, D323.1, E57.1, E147.1, E193.2
DUST COLLECTOR, FUMEX, FA1, WITH ONE POLYESTER PREFILTER, ONE MERV 11 PANEL FILTER, ONE HEPA, & ONE ADSORBER (CARBON AND ALUMINA IMPRGNATED WITH POTASSIUM PERMANGANATE) A/N: 503428 Permit to Construct Issued: 03/02/10	C254	D253		PM: (9) [RULE 404, 2-7-1986]	A63.21, C6.19, D29.1, D90.2, D322.4, D381.2, E102.1, E193.2, H23.14, K67.1
CUTTER, CUTTER, R&D PROTOTYPE, SPI LASER REDENERGY, MODEL #20/HS, WITH FOUR LASERS, 1000, WATTS MAXIMUM INPUT, INCORPORATED INTO ARGES LASER SCANNING, # TIGERCLAW-4 A/N: 511928 Permit to Construct Issued: 10/19/10	D260	C261		PM: (9) [RULE 405, 2-7-1986]	B59.10, C1.24, D29.2, D323.1, E57.1, E147.1, E175.6, E193.2
DUST COLLECTOR, FUMEX, FA1, WITH ONE POLYESTER PREFILTER, ONE MERV 11 PANEL FILTER, ONE HEPA, & ONE ADSORBER (CARBON AND ALUMINA IMPRGNATED WITH POTASSIUM PERMANGANATE) A/N: 511930 Permit to Construct Issued: 10/19/10	C261	D260		PM: (9) [RULE 404, 2-7-1986]	A63.21, C6.19, D29.2, D90.2, D322.4, D381.2, E102.1, E193.2, H23.14, K67.1
Process 21: SOIL VAPOR EXTRACTION					

- * (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 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, GRANULATED ACTIVATED CARBON, WITH A 50-HP VACUUM BLOWER, 2500 CFM, 10000 LBS WITH A/N: 510198 Permit to Construct Issued: 07/06/10 VAPOR EXTRACTION WELL, 12-AIR SPARGING WELLS, WITH A 20-HP COMPRESSOR., 39 TOTAL	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
D248	2	20	0
C249	2	20	0
D250	1	4	0
D251	1	4	0
D252	1	1	0
D253	3	20	0
C254	3	20	0
C256	4	21	0
D258	2	4	1
D259	2	4	1
D260	3	20	0
C261	3	20	0

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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).

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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

A63.14 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 25 LBS IN ANY ONE DAY

For the purposes of this condition, and for exemption from Rule 1132 by (h)(2), the VOC emissions from this spray booth shall be defined as the monthly average for each calendar month, calculated by dividing the total emissions from this spray booth for the calendar month by the number of calendar days in that month.

[**RULE 1132(h)(2) - Exemptions, 3-5-2004**; RULE 1132(h)(2) - Exemptions, 5-7-2004]

[Devices subject to this condition : D258, D259]

A63.20 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 13 LBS IN ANY ONE DAY

[**RULE 1132(h)(2) - Exemptions, 3-5-2004**; RULE 1132(h)(2) - Exemptions, 5-7-2004;
RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D250]

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:

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 : C249, C254, C261]

B. Material/Fuel Type Limits

B27.11 The operator shall not use materials, except for methyl ethyl ketone, xylene, toluene, ethyl benzene, and ethylene glycol methyl ether, containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 03/07/2008.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D250]

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

Materials containing any toxic air contaminants (TAC) listed in Table 1 of Rule 1401 except methyl ethyl ketone, with an effective date of June 5, 2009, or earlier.

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D248, D253, D260]

C. Throughput or Operating Parameter Limits

C1.20 The operator shall limit the material processed to no more than 15 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 : D248, D253]

C1.21 The operator shall limit the material processed to no more than 20 gallon(s) per year.

For the purpose of this condition, material processed shall be defined as the adhesion promotor DC 1200.

[RULE 1124, 9-21-2001]

[Devices subject to this condition : D250]

C1.24 The operator shall limit the material processed to no more than 30 lb(s) in any one calendar month.

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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 : D260]

- C6.4 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 1.75 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 three stage filters.

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

[Devices subject to this condition : D258, D259]

- C6.19 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 4.5 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 filter media.

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

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 : C249, C254, C261]

- C6.20 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.38 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 two stage filter media.

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

[Devices subject to this condition : D250]

- C6.21 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 5 ppm.

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

[RULE 1303(a)-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.

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:

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]

D. Monitoring/Testing Requirements

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

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM10 emissions	Approved District method	District-approved averaging time	Outlet
total hydrocarbon emissions	Approved District method	District-approved averaging time	Simultaneous inlet and outlet
Polynuclear Aromatic Hydrocarbons (PAH)	Approved District method	District-approved averaging time	Simultaneous inlet and outlet
Cyanide emissions	Approved District method	District-approved averaging time	Simultaneous inlet and outlet

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:

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 210 days after the initial start-up of this equipment unless otherwise approved in writing by the District.

The test shall be conducted to determine the emissions of any toxic air contaminants and volatile organic compounds resulting from the laser cutting operation, the collection efficiency, and the control efficiency of the control equipment.

Two complete copies of source test protocol shall be submitted to the District engineer no later than 90 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 report shall also include, exhaust flow rate, moisture content, O₂ concentration, the number of panels used during the test, number of holes cut, and diameter and depth of each hole cut

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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; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-7-2008]

[Devices subject to this condition : C249, C254]

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
PM10 emissions	Approved District method	District-approved averaging time	Simultaneous inlet and outlet
total hydrocarbon emissions	Approved District method	District-approved averaging time	Outlet
Polynuclear Aromatic Hydrocarbons (PAH)	Approved District method	District-approved averaging time	Outlet
Cyanide emissions	Approved District method	District-approved averaging time	Outlet

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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 source test shall be conducted no later than 210 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 90 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 report shall also include, exhaust flow rate, moisture content, O₂ concentration, the number of panels used during the test, number of holes cut, and diameter and depth of each hole cut

[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, 3-7-2008]

[Devices subject to this condition : D260, C261]

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

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:

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 : C249, C254, C261]

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

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:

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

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

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 21 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 shall 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 adsorption system according to the following specifications:

FACILITY PERMIT TO OPERATE ROHR, INC.

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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 adsorption 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:

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:

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]

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

the operator shall verify the exhaust flow rate within 60 days of initial operation of the equipment. If the exhaust fan of this spray booth is repaired, modified, or replaced the operator shall conduct tests pursuant to an appropriate AQMD approved test method to determine the exhaust flow rate within 60 days of such repair, modification or replacement.

[**RULE 1132(h)(2) - Exemptions, 3-5-2004**; RULE 1132(h)(2) - Exemptions, 5-7-2004;
RULE 1401, 3-4-2005]

[Devices subject to this condition : D258, D259]

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.

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

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

[Devices subject to this condition : D250, D258, D259]

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 : C249, C254, C261]

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:

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 ROHR, INC.

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 : D248, D253, D260]

- 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 : C249, C254, C261]

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 : D248, D253, D260]

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:

- E71.1 The operator shall only operate this equipment if the exhaust fan of this equipment is operating at 10,000 scfm or greater. If the exhaust fan is repaired, modified or replaced, the operator shall conduct tests to determine the exhaust flow rate.
[**RULE 1132(h)(2) - Exemptions, 3-5-2004; RULE 1132(h)(2) - Exemptions, 5-7-2004**]

[Devices subject to this condition : D250, D258, D259]
- E71.4 The operator shall not turn off the exhaust fan on this equipment until 30 seconds after spray operations have ceased.
[**RULE 1469.1, 3-4-2005**]

[Devices subject to this condition : D258, D259]
- 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 5 ppmv measured as hexane.
[**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 : C249, C254, C261]
- 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]

FACILITY PERMIT TO OPERATE ROHR, INC.

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

- 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 : D248, D253, D260]

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

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 5 ppmv measured as hexane.

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]

- E175.3 The operator shall not use this equipment unless all exhaust air passes through the following:

two stage particulate dry filters

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

[Devices subject to this condition : D250]

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

E175.5 The operator shall not use this equipment unless all exhaust air passes through the following:

3-stage dry particulate filters that has a single stage of HEPA filters individually DOP tested (or equivalent) with 0.3 micron particulates and certified to have a control efficiency of not less than 99.97% as required by AQMD Rule 1469.1

[RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D258, D259]

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

[Devices subject to this condition : D260]

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 : D248, C249, D250, D252, D253, C254, D260, C261]

H. Applicable Rules

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:

H23.5 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

[RULE 109, 5-2-2003; RULE 481, 1-11-2002]

[Devices subject to this condition : D250]

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 : C249, C254, C261]

H23.15 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule/Subpart
VOC District Rule	109
PM District Rule	481
Chromium, Hexavalent District Rule	1469.1

[RULE 109, 5-2-2003; RULE 1469.1, 3-4-2005; RULE 481, 1-11-2002]

[Devices subject to this condition : D258, D259]

FACILITY PERMIT TO OPERATE ROHR, INC.

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

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]

[Devices subject to this condition : C256]

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]

[Devices subject to this condition : C249, D250, C254, D258, D259, C261]

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 : D250, D258, D259]

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:

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 approved 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 : D250, D258, D259]

L. Expiration Date

L341.1 Within 7 days after start-up of this equipment, the following device(s) shall be removed from operation:

D31

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

[Devices subject to this condition : D259]

L341.2 Within 7 days after start-up of this equipment, the following device(s) shall be removed from operation:

D40

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

[Devices subject to this condition : D258]