



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Title Page
Facility I.D.#: 800066
Revision #: 32
Date: January 20, 2008

FACILITY PERMIT TO OPERATE

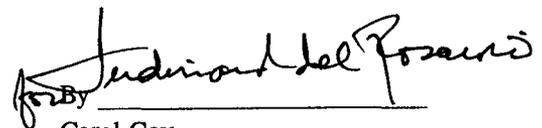
**HITCO CARBON COMPOSITES INC
1600 W 135TH ST
GARDENA, CA 90249**

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

A handwritten signature in black ink, appearing to read 'Carol Coy', written over a horizontal line.

Carol Coy
Deputy Executive Officer
Engineering & Compliance

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: HITCO CARBON COMPOSITES INC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 1600 W 135TH ST
GARDENA, CA 90249-2506

MAILING ADDRESS: 1600 W 135 TH ST
GARDENA, CA 90249

RESPONSIBLE OFFICIAL: BJ SCHRAMM

TITLE: CHIEF OPERATING OFFICER

TELEPHONE NUMBER: (310) 527-0700

CONTACT PERSON: SIMON RICKS

TITLE: SR. ENVIRONMENTAL ENGINEER

TELEPHONE NUMBER: (310) 970-5298

TITLE V PERMIT ISSUED: January 20, 2008

TITLE V PERMIT EXPIRATION DATE: January 19, 2013

TITLE V	RECLAIM
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YES	NOx: YES
	SOx: NO
	CYCLE: 1
	ZONE: COASTAL

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 01/01/08 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
Begin (month/year)	End				
7/2005	6 /2006	Coastal	0	0	0
1/2006	12/2006	Coastal	13198	297	0
1/2006	12/2006	Inland	0	500	0
7/2006	6 /2007	Coastal	0	3935	0
1/2007	12/2007	Coastal	13198	12837	0
1/2007	12/2007	Inland	0	442	0
7/2007	6 /2008	Coastal	0	3475	0
1/2008	12/2008	Coastal	13198	12445	393
1/2008	12/2008	Inland	0	428	14
7/2008	6 /2009	Coastal	0	3368	106
1/2009	12/2009	Coastal	13198	12052	785
1/2009	12/2009	Inland	0	415	27
7/2009	6 /2010	Coastal	0	3262	212
1/2010	12/2010	Coastal	13198	11659	1178
1/2010	12/2010	Inland	0	401	41
7/2010	6 /2011	Coastal	0	3156	319
1/2011	12/2011	Coastal	13198	12042	1678

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 01/01/08 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
Begin (month/year)	End				
1/2011	12/2011	Inland	0	388	54
7/2011	6 /2012	Coastal	0	3050	425
1/2012	12/2012	Coastal	13198	12042	1678
1/2012	12/2012	Inland	0	388	54
7/2012	6 /2013	Coastal	0	3050	425
1/2013	12/2013	Coastal	13198	12042	1678
1/2013	12/2013	Inland	0	388	54
7/2013	6 /2014	Coastal	0	3050	425
1/2014	12/2014	Coastal	13198	12042	1678
1/2014	12/2014	Inland	0	388	54
7/2014	6 /2015	Coastal	0	3050	425
1/2015	12/2015	Coastal	13198	12042	1678
1/2015	12/2015	Inland	0	388	54
7/2015	6 /2016	Coastal	0	3050	425
1/2016	12/2016	Coastal	13198	12042	1678
1/2016	12/2016	Inland	0	388	54
7/2016	6 /2017	Coastal	0	3050	425

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 01/01/08 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
Begin (month/year)	End				
1/2017	12/2017	Coastal	13198	12042	1678
1/2017	12/2017	Inland	0	388	54
7/2017	6 /2018	Coastal	0	3050	425
1/2018	12/2018	Coastal	13198	12042	1678
1/2018	12/2018	Inland	0	388	54
7/2018	6 /2019	Coastal	0	3050	425
1/2019	12/2019	Coastal	13198	12042	1678
1/2019	12/2019	Inland	0	388	54
7/2019	6 /2020	Coastal	0	3050	425
1/2020	12/2020	Coastal	13198	12042	1678
1/2020	12/2020	Inland	0	388	54
7/2020	6 /2021	Coastal	0	3050	425
1/2021	12/2021	Coastal	13198	12042	1678
1/2021	12/2021	Inland	0	388	54
7/2021	6 /2022	Coastal	0	3050	425
1/2022	12/2022	Coastal	13198	12042	1678
1/2022	12/2022	Inland	0	388	54

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 01/01/08 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
Begin (month/year)	End				
7/2022	6 /2023	Coastal	0	3050	425
1/2023	12/2023	Coastal	13198	12042	1678
1/2023	12/2023	Inland	0	388	54

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase an annual allocation to a level greater than the facility's Starting Allocation plus Non-Tradable Credits as listed below, the application will be evaluated for compliance with Rule 2005(c)(4). Rule 2005(e)-Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTCs) (pounds)
Begin	End			
1/1994	12/1994	Coastal	28449	0

**FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : PRESSES					
PRESS, A, HYSCO HYDRAULIC PRESS, ELECTRIC OIL HEATER, 48 KW A/N: 394383	D175			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.5, D323.1, K67.4
PRESS, B, HYSCO HYDRAULIC PRESS, ELECTRIC OIL HEATER, 48 KW A/N: 394384	D176			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.5, D323.1, K67.4
PRESS, C, HYSCO HYDRAULIC PRESS, ELECTRIC, 185 KW A/N: 394385	D177			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.5, D323.1, K67.4
PRESS, E, ACCUDYNE HYDRAULIC PRESS, ELECTRIC, 60 KW A/N: 394386	D178			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.5, D323.1, K67.4
PRESS, F, ELECTRIC, 75 KW A/N: 394387	D179			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.5, D323.1, K67.4
PRESS, G, ELECTRIC, 75 KW A/N: 394388	D180			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.5, D323.1, K67.4
Process 2 : STEAM GENERATION					
BOILER, NATURAL GAS, HERCULES, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 10.5 MMBTU/HR WITH A/N: 223656	D4		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5A) [RULE 407,4-2-1982] ; CO: 400 PPMV (5) [RULE 1146,11-17-2000] ; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C1.3, D12.4, D328.1, E113.1

* (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 HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : STEAM GENERATION					
BURNER, NATURAL GAS, COEN, MODEL SDAF-10, WITH LOW NOX BURNER, 10.5 MMBTU/HR					
BOILER, NATURAL GAS, HERCULES, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 12.6 MMBTU/HR WITH A/N: 223655	D5		NOX: LARGE SOURCE**	CO: 2000 PPMV (5A) [RULE 407,4-2-1982] ; CO: 400 PPMV NATURAL GAS (5A) [RULE 1146,11-17-2000] ; NOX: 40 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	D328.1, E113.1
BURNER, NATURAL GAS, COEN, MODEL SDAF-12, WITH LOW NOX BURNER, 12.6 MMBTU/HR					
Process 3 : EMERGENCY POWER					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, LIQUIFIED PETROLEUM GAS, UNITED STATES MOTOR CORP., MODEL NO. LSG-8751-600, WITH TURBOCHARGER, 163 HP WITH A/N: 363555 GENERATOR	D8		NOX: PROCESS UNIT**	NOX: 139 LBS/1000 GAL LPG (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.4, D135.1, 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 HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3 : EMERGENCY POWER					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, PROPANE, KOHLER, MODEL 85H272, 164 HP A/N: 291519	D120		NOX: PROCESS UNIT**	NOX: 139 LBS/1000 BBLs PROPANE (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.4, D135.1, K67.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, JOHN HEERE, MODEL 6081T, 6 CYLINDERS, WITH TURBOCHARGER, 211 BHP A/N: 336990	D148		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.4, E448.1, K67.1, K67.8
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 8 CYLINDERS, TURBOCHARGED, RICH BURN, PROPANE, CUMMINS, MODEL 125GGLA, WITH AUTOMATIC AIR TO FUEL RATIO CONTROLLER, 186 BHP WITH A/N: 460487	D199	C201	NOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; NOX: 139 LBS/1000 GAL PROPANE (1) [RULE 2012,5-6-2005] NOX: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 2005,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] ; ROG: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT,5-10-1996 RULE 1303(a)(1)-BACT,12-6-2002]	C1.4, C6.17, E115.1, 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 HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3 : EMERGENCY POWER					
NON-SELECTIVE CATALYTIC REDUCTION, JOHNSON MATTHEY	C201	D199			
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 8 CYLINDERS, TURBOCHARGED, RICH BURN, PROPANE, KOHLER, MODEL 100RZG, WITH AUTOMATIC AIR TO FUEL RATIO CONTROLLER, 162 BHP WITH A/N: 460488	D200	C202	NOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; NOX: 139 LBS/1000 GAL PROPANE (1) [RULE 2012,5-6-2005] NOX: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 2005,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] ; ROG: 1.5 GRAM/BHP-HR PROPANE (4) [RULE 1303(a)(1)-BACT,5-10-1996 RULE 1303(a)(1)-BACT,12-6-2002]	C1.4, C6.18, E115.1, K67.1
NON-SELECTIVE CATALYTIC REDUCTION, JOHNSON MATTHEY	C202	D200			

* (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 HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : SPRAY COATING					
SPRAY COATING OPERATION, 15 FT W. X 33 FT- 10 IN L. X 9 FT-6 IN H., TWENTY 20"X20"X1" 2-PLY PRE FILTERS,, TWENTY 20"X20"X12" 4-PLY POCKET FILTERS AND EIGHT 24"X24"12" HEPA FILTERS, WITH SPRAY BOOTH A/N: 462665	D11			PM: (9) [RULE 404,2-7-1986] ; VOC: (9) [RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	C6.16, D322.1, E175.3, H23.3, K67.4, K67.7
SPRAY COATING OPERATION, 10 FT W. X 16 FT-6 IN L. X 8 FT H., FIBERGLASS RESIN SPRAYING, WITH MAT OR PANEL FILTER, SPRAY BOOTH A/N: A70313	D12			PM: (9) [RULE 404,2-7-1986] ; VOC: (9) [RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	C6.1, D322.1, E175.2, H23.2, K67.7
SPRAY COATING OPERATION, 14 FT-2 IN W. X 18 FT-4 IN L. X 11 FT-6 IN H., FIBERGLASS RESIN SPRAYING, WITH MAT OR PANEL FILTER, SPRAY BOOTH A/N: A62041	D13			PM: (9) [RULE 404,2-7-1986] ; VOC: (9) [RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	C6.1, D322.1, E175.2, H23.2, K67.7
SPRAY COATING OPERATION, MODEL BW- 161624, 16.3 FT W. X 20 FT L. X 16.2 FT H., WITH PRE-FILTERS, POCKET FILTERS AND HEPA FILTERS, WITH SPRAY BOOTH A/N: 421096	D135			PM: (9) [RULE 404,2-7-1986] ; VOC: (9) [RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	A63.1, A63.3, B59.2, B59.7, C1.5, C1.9, C1.10, C6.1, D322.1, E175.1, H23.3, K67.4, K67.7

* (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 HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5 : STORAGE/ PROCESS TANKS					
STORAGE TANK, FIXED ROOF, NO. 27, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C12429	D15	C38			
STORAGE TANK, FIXED ROOF, NO. 28, HYDROCHLORIC ACID, HEIGHT: 8 FT 9 IN; DIAMETER: 10 FT A/N: C12433	D16	C38			
STORAGE TANK, FIXED ROOF, NO. 29, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C12431	D17	C38			
STORAGE TANK, FIXED ROOF, NO. 30, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C12432	D18	C38			
STORAGE TANK, FIXED ROOF, NO. 33, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C20529	D19	C38			
STORAGE TANK, FIXED ROOF, NO. 34, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C20531	D20	C38			
TANK, NO. 35, HYDROCHLORIC ACID, MIXING, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C20533	D21	C38			

* (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 HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5 : STORAGE/ PROCESS TANKS					
STORAGE TANK, FIXED ROOF, NO. 36, HYDROCHLORIC ACID, HEIGHT: 17 FT 3 IN; DIAMETER: 10 FT A/N: C20530	D22	C38			
STORAGE TANK, FIXED ROOF, NO. 1, HYDROCHLORIC ACID, 5300 GALS A/N: 197426	D23	C38			
STORAGE TANK, FIXED ROOF, NO. 2, HYDROCHLORIC ACID, 5300 GALS A/N: 197426	D24	C38			
STORAGE TANK, FIXED ROOF, NO. 4, HYDROCHLORIC ACID, 3000 GALS A/N: 197426	D25	C38			
STORAGE TANK, FIXED ROOF, NO. 5, HYDROCHLORIC ACID, 3000 GALS A/N: 197426	D26	C38			
TANK, NO. 6, HYDROCHLORIC ACID, LEACHING, 3000 GALS A/N: 197426	D27	C38			
TANK, NO. 7, HYDROCHLORIC ACID, LEACHING, 1000 GALS A/N: 197426	D28	C38			
TANK, NO. 8, HYDROCHLORIC ACID, LEACHING, 1600 GALS A/N: 197426	D29	C38			
TANK, NO. 9, HYDROCHLORIC ACID, LEACHING, 700 GALS A/N: 197426	D30	C38			

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

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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5 : STORAGE/ PROCESS TANKS					
TANK, HYDROCHLORIC ACID, MIXING/LEACHING, 470 GALS A/N: 197426	D31	C38			
TANK, NO. 21, LEACHING, WIDTH: 3 FT 10 IN; HEIGHT: 8 FT 1 IN; LENGTH: 3 FT 10 IN A/N: A29848	D32	C38			
PROCESS TANK, NO. 22, LEACHING, WIDTH: 4 FT; HEIGHT: 7 FT 2 IN; LENGTH: 4 FT 6 IN A/N: A29848	D33	C38			
PROCESS TANK, NO. 23, LEACHING, WIDTH: 4 FT; HEIGHT: 7 FT 2 IN; LENGTH: 4 FT 6 IN A/N: A29848	D34	C38			
PROCESS TANK, NO. 33, LEACHING, WIDTH: 4 FT 6 IN; HEIGHT: 6 FT 5 IN; LENGTH: 4 FT 8 IN A/N: C15310	D35	C38			
PROCESS TANK, NO. 34, LEACHING, WIDTH: 4 FT 6 IN; HEIGHT: 6 FT 5 IN; LENGTH: 6 FT A/N: C15310	D36	C38			
TANK, SUMP, SPENT ACID RECOVERY, HEIGHT: 3 FT 6 IN; DIAMETER: 1 FT 9 IN A/N: C11514	D37	C38			

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

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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5 : STORAGE/ PROCESS TANKS					
SCRUBBER, WITH MIST ELIMINATOR, WIDTH: 8 FT; HEIGHT: 4 FT; LENGTH: 4 FT A/N: C35970	C38	D15 D16 D17 D18 D19 D20 D21 D22 D23 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D138		PM: (9) [RULE 404,2-7-1986]	C8.2, C10.1
STORAGE TANK, HEXANE A/N: 303450	D124				
TANK, NO. 2 BACK-UP, 300 GALLON CAPACITY, UNHEATED, WITH ONE 5 HP AGITATOR A/N: 377435	D125	C150			B59.4, B59.6, C1.7, E17.1, E166.1, E166.2
TANK, NO.1, MIXING A/N: 303454	D126				
TANK, NO. 26, HYDROCHLORIC ACID A/N: 337974	D138	C38			
TANK, NO. 2 ROSS MIX TANK, MODEL PVM 300, 300 GALLON CAPACITY, UNHEATED, WITH ONE 25 HP AGITATOR A/N: 377435	D149	C150			B59.4, B59.6, C1.7, E17.1, E166.1, E166.2
CONDENSER, REMCO, MODEL CH750, AIR-COOLED A/N: 377435	C150	D125 D149			C6.4

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

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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6 : FURNACES					
FURNACE, ELECTRIC, 350 KW A/N: 256840	D42	C71 C133			C1.1
FURNACE, ELECTRIC, 11D, 750 KW A/N: 331832	D43	C71 C133			B27.1
FURNACE, ELECTRIC, 11G, 600 KW A/N: 393621	D44	C71 C133			
FURNACE, ELECTRIC, 420 KW A/N: 144209	D45	C71 C133			C1.2, C6.3
FURNACE, ELECTRIC, 11J, 600 KW A/N: 393622	D46	C71 C133			
FURNACE, ELECTRIC, 11E, 750 KW A/N: 331833	D47	C71 C133			B27.1
FURNACE, ELECTRIC, 11F, 580 KW A/N: C39613	D48	C71 C133			
FURNACE, ELECTRIC, 11C, 750 KW A/N: 344591	D49	C71 C133			
FURNACE, ELECTRIC, 11B, 280 KW A/N: C39609	D50	C71 C133			
FURNACE, ELECTRIC, 11A, 750 KW A/N: 331830	D51	C71 C133			B27.1
FURNACE, ELECTRIC, 230 KW A/N: C16605	D52	C71 C133			
FURNACE, ELECTRIC, NO. 3, 180 KW A/N: A20706	D54	C72			

* (1)(1A)(1B) Denotes RECLAIM emission factor
 (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6 : FURNACES					
FURNACE, NATURAL GAS, 4 MMBTU/HR A/N: 234232	D59		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	D323.1
FURNACE, NATURAL GAS, 1.4 MMBTU/HR A/N: 234411	D60		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	B59.5, D323.1
FURNACE, NATURAL GAS, 3.24 MMBTU/HR A/N: 234410	D61		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	B59.5, D323.1

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

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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6 : FURNACES					
FURNACE, NATURAL GAS, 4 MMBTU/HR A/N: 234233	D62		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	B59.5, D323.1
AFTERBURNER, SMITH, NATURAL GAS, 11 MMBTU/HR A/N: 344770	C71	D42 D43 D44 D45 D46 D47 D48 D49 D50 D51 D52 D80 D130 D142 D143	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (3) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C1.6, D12.2, D182.1, D182.2
AFTERBURNER, NATURAL GAS, 2 MMBTU/HR A/N: A20614	C72	D54	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	D182.2, D182.3

* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
 (5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6 : FURNACES					
FURNACE, NATURAL GAS, 1.8 MMBTU/HR A/N: 305441	D130	C71 C133	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	
AFTERBURNER, HOT ROCK, TELLKAMP, NATURAL GAS, 2.7 MMBTU/HR A/N: 344772	C133	D42 D43 D44 D45 D46 D47 D48 D49 D50 D51 D52 D80 D130 D142 D143	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	D182.1, D182.2
FURNACE, ELECTRIC, SEMI-A, 253 KW A/N: 334888	D142	C71 C133			B27.1
FURNACE, ELECTRIC, SEMI-B, 253 KW A/N: 334889	D143	C71 C133			B27.1
Process 7 : OVENS					
OVEN, ELECTRIC, D, 100 KW A/N: 271071	D80	C71 C133			

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

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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : OVENS					
OVEN, NATURAL GAS, 1 MMBTU/HR A/N: A53189	D82	C87	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	
AFTERBURNER, 12-156, NATURAL GAS, 1 MMBTU/HR A/N: A53190	C87	D82	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C8.1, D28.1
OVEN, NO. 1, NATURAL GAS, 2.2 MMBTU/HR A/N: A20663	D84	C92	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	

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

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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : OVENS					
AFTERBURNER, 12-59, NATURAL GAS, 0.168 MMBTU/HR A/N: A20611	C92	D84	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C8.1, D28.1
OVEN, NO. 2, NATURAL GAS, 2.2 MMBTU/HR A/N: A20664	D85	C90	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	
AFTERBURNER, 12-60, NATURAL GAS, 0.168 MMBTU/HR A/N: A20612	C90	D85	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C8.1, D28.1
ENCLOSURE, DRYING ROOM, 120 FT L. X 35 FT W. X 13 FT H. A/N: 400529	D127	C128			A63.3, A63.4, K67.4

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

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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : OVENS					
AFTERBURNER, WHITE HORSE TECHNOLOGIES, NATURAL GAS, MODEL NO. WHE-8000-65, 5 MMBTU/HR A/N: 400526	C128	D127	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	A63.3, D182.1, D182.2
OVEN, NO. 3, DESPATCH, NATURAL GAS, 0.5 MMBTU/HR A/N: 394396	D167		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.6, K67.4
OVEN, NO. 28, DESPATCH, S-200, NATURAL GAS, 1 MMBTU/HR A/N: 394395	D168		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.6, K67.4

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

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FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : OVENS					
OVEN, NO. U01, DESPATCH, NATURAL GAS, 1 MMBTU/HR A/N: 394401	D172		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.6, K67.4
OVEN, NO. 20, DESPATCH, NATURAL GAS, 1.5 MMBTU/HR A/N: 394402	D173		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.6, K67.4
OVEN, NO. 423A, DESPATCH, NATURAL GAS, 1.5 MMBTU/HR A/N: 394414	D185		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.15, K67.4

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

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

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : OVENS					
OVEN, NO. 426A, DESPATCH, NATURAL GAS, 0.5 MMBTU/HR A/N: 394415	D186		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.15, K67.4
OVEN, NO. 426B, DESPATCH, NATURAL GAS, 0.75 MMBTU/HR A/N: 394416	D187		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986] PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, A63.5, B59.8, C1.8, C6.15, K67.4
OVEN, NO. 4017, HONEYCOMB, DESPATCH, MODEL V-41, ELECTRIC, 70 KW A/N: 394380	D188			PM: (9) [RULE 404,2-7-1986]	A63.3, A63.5, B59.8, C6.5, K67.4
OVEN, COATING & CLIPPING OVEN, BLUE M ELECTRIC, MODEL NO. MP-607G-HP, ELECTRIC, 36 KW A/N: 394379	D189			PM: (9) [RULE 404,2-7-1986]	A63.3, A63.5, B59.8, C6.14, K67.4

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

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

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7 : OVENS					
OVEN, RACING BRAKES OVEN, DESPATCH, MODEL NO. VRE-2-35-1, ELECTRIC, 32 KW A/N: 394381	D190			PM: (9) [RULE 404,2-7-1986]	A63.3, A63.5, B59.8, C6.9, K67.4
OVEN, BRAKES NEW BUSINESS, BLUE M ELECTRIC, MODEL NO. DCSA-806-G-MP550, ELECTRIC, 48 KW A/N: 394382	D191			PM: (9) [RULE 404,2-7-1986]	A63.3, A63.5, B59.8, C6.12, K67.4
OVEN, SEMICARB SMALL OVEN, BLUE M ELECTRIC, MODEL NO. POM-367G, ELECTRIC, 75 KW A/N: 394404	D193			PM: (9) [RULE 404,2-7-1986]	A63.3, A63.5, B59.8, C6.9, K67.4
OVEN, SEMICARB LARGE OVEN, DESPATCH, MODEL NO. PSE-326S, ELECTRIC, 102 KW A/N: 394405	D194			PM: (9) [RULE 404,2-7-1986]	A63.3, A63.5, B59.8, C6.9, K67.4
Process 8 : ABRASIVE BLASTING					
ABRASIVE BLASTING, CABINET, WIDTH: 4 FT 2 IN; HEIGHT: 7 FT 6 IN; LENGTH: 5 FT 1 IN A/N: 163809	D99	C100		PM: (9) [RULE 1140,2-1-1980;RULE 1140,8-2-1985;RULE 405,2-7-1986]	D323.1
FILTER, BAG, UNIVERSAL, DUST COLLECTOR, 75 SQ.FT. A/N: 163809	C100	D99		PM: (9) [RULE 404,2-7-1986]	D322.2, D381.1, E102.1, K67.3
System 1 : No. 1 Abrasive Blasting System					
ABRASIVE BLASTING, ROOM, WIDTH: 12 FT; HEIGHT: 8 FT; LENGTH: 12 FT WITH A/N: 301829	D121	C123		PM: (9) [RULE 1140,2-1-1980;RULE 1140,8-2-1985;RULE 405,2-7-1986]	D323.1

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

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

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8 : ABRASIVE BLASTING					
ABRASIVE BLASTING NOZZLE, DIAMETER: 0.313 IN; 90 PSIG					
BAGHOUSE, ICM INC., 2057 SQ.FT.; 16 BAGS A/N: 301829	C123	D121		PM: (9) [RULE 404,2-7-1986]	D322.2, D381.2, E102.1, K67.3
System 2 : No. 2 Abrasive Blasting System					
ABRASIVE BLASTING, ROOM, WIDTH: 19 FT; HEIGHT: 18 FT 6 IN; LENGTH: 18 FT WITH A/N: 336546 ABRASIVE BLASTING NOZZLE, DIAMETER: 0.313 IN; 110 PSIG	D144	C147		PM: (9) [RULE 1140,2-1-1980;RULE 1140,8-2-1985;RULE 405,2-7-1986]	B27.1, D323.1
BAGHOUSE, ICM, CLOTH FILTER, ICM INC., MODEL C-10911A, 4628 SQ.FT.; 660 BAGS A/N: 336303	C146	C147		PM: (9) [RULE 404,2-7-1986]	D322.2, D381.2, E102.1, K67.3
CYCLONE, UC 2000, HEIGHT: 2 FT 11 IN; DIAMETER: 1 FT 10 IN A/N: 336303	C147	D144 C146			
Process 9 : AUTOCLAVES/HYDROCLAVES					
AUTOCLAVE, HYDROCLAVE T-1 OR HEAT TREATING SYSTEM H-9, 55.4 CU.FT. WITH A/N: 286631	D111			CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.3, D12.4

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

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

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9 : AUTOCLAVES/HYDROCLAVES					
HEATER, NATURAL GAS, WESTERN CONBUSTION, 15 MMBTU/HR			NOX: PROCESS UNIT**	PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
AUTOCLAVE, A-1, HARRIS, ELECTRIC, 83 KW A/N: 394390	D164			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.7, K67.4
AUTOCLAVE, A-9, MATHEWS STEEL, ELECTRIC, 104 KW A/N: 394391	D165			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.5, K67.4
AUTOCLAVE, H-7 (HYDROCLAVE), WITH TWO ELECTRIC BOILERS, SUSSMAN, MODEL NO. SVS-420, 420 KW EACH A/N: 394393	D166			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.11, K67.4
AUTOCLAVE, A-10, BARON BLAKESLEE, MODEL NO. BAC 710, ELECTRIC, 416 KW A/N: 394397	D169			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.7, K67.4
AUTOCLAVE, A-11, THERMAL EQUIPMENT, ELECTRIC, 665 KW A/N: 394399	D170			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.11, K67.4
AUTOCLAVE, A-13, HITCO/NS&L, ELECTRIC, 6650 KW A/N: 394400	D171			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.14, K67.4

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

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

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9 : AUTOCLAVES/HYDROCLAVES					
AUTOCLAVE, A-12, FUEL ENGINEERS, ELECTRIC, 665 KW A/N: 394403	D174			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.11, K67.4
AUTOCLAVE, SEMICARB, THERMAL EQUIPMENT, MODEL NO. 8511, ELECTRIC, 85 KW A/N: 394406	D195			PM: (9) [RULE 404,2-7-1986]	A63.3, B59.8, C6.14, K67.4
Process 10 : MISCELLANEOUS					
HOPPER A/N: A29846	D95	C96		PM: (9) [RULE 405,2-7-1986]	D323.1
BAGHOUSE, REESE BLOW PIPE MFG. CO., 230 SQ.FT. A/N: A29845	C96	D95		PM: (9) [RULE 404,2-7-1986]	D322.2, D381.1, E102.1, K67.3
Process 11 : R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULE					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E151			VOC: (9) [RULE 1113,11-8-1996;RULE 1113,7-13-2007;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	K67.5
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E152			VOC: (9) [RULE 1171,11-7-2003;RULE 1171,7-14-2006]	
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E153			VOC: (9) [RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	H23.4

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

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

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 11 : R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULE					
RULE 219 EXEMPT EQUIPMENT, SPRAY COATING ENCLOSURES, < 8 FT3 INTERNAL VOLUME	E155			VOC: (9) [RULE 1124,9-21-2001;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	H23.4
RULE 219 EXEMPT EQUIPMENT, LAMINATING EQUIPMENT, LOW USE OR EMISSIONS	E156			VOC: (9) [RULE 1168,10-3-2003;RULE 1168,1-7-2005;RULE 1171,11-7-2003;RULE 1171,7-14-2006]	H23.4

* (1)(1A)(1B)Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5)(5A)(5B)Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2)(2A)(2B)Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8)(8A)(8B)Denotes 40 CFR limit(e.g. NSPS, NESHAPS,etc.)
 (10) See Section J for NESHAP/MACT requirements
 ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC**

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D4	1	2	0
D5	2	2	0
D8	2	3	0
D11	5	4	0
D12	5	4	0
D13	5	4	0
D15	6	5	0
D16	6	5	0
D17	6	5	0
D18	6	5	0
D19	6	5	0
D20	6	5	0
D21	6	5	0
D22	7	5	0
D23	7	5	0
D24	7	5	0
D25	7	5	0
D26	7	5	0
D27	7	5	0
D28	7	5	0
D29	7	5	0
D30	7	5	0
D31	8	5	0
D32	8	5	0
D33	8	5	0
D34	8	5	0
D35	8	5	0
D36	8	5	0
D37	8	5	0
C38	9	5	0
D42	10	6	0
D43	10	6	0
D44	10	6	0
D45	10	6	0
D46	10	6	0
D47	10	6	0

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D48	10	6	0
D49	10	6	0
D50	10	6	0
D51	10	6	0
D52	10	6	0
D54	10	6	0
D59	11	6	0
D60	11	6	0
D61	11	6	0
D62	12	6	0
C71	12	6	0
C72	12	6	0
D80	13	7	0
D82	14	7	0
D84	14	7	0
D85	15	7	0
C87	14	7	0
C90	15	7	0
C92	15	7	0
D95	22	10	0
C96	22	10	0
D99	19	8	0
C100	19	8	0
D111	20	9	0
D120	3	3	0
D121	19	8	1
C123	20	8	1
D124	9	5	0
D125	9	5	0
D126	9	5	0
D127	15	7	0
C128	16	7	0
D130	13	6	0
C133	13	6	0
D135	5	4	0
D138	9	5	0

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D142	13	6	0
D143	13	6	0
D144	20	8	2
C146	20	8	2
C147	20	8	2
D148	3	3	0
D149	9	5	0
C150	9	5	0
E151	22	11	0
E152	22	11	0
E153	22	11	0
E155	23	11	0
E156	23	11	0
D164	21	9	0
D165	21	9	0
D166	21	9	0
D167	16	7	0
D168	16	7	0
D169	21	9	0
D170	21	9	0
D171	21	9	0
D172	17	7	0
D173	17	7	0
D174	22	9	0
D175	1	1	0
D176	1	1	0
D177	1	1	0
D178	1	1	0
D179	1	1	0
D180	1	1	0
D185	17	7	0
D186	18	7	0
D187	18	7	0
D188	18	7	0
D189	18	7	0
D190	19	7	0

**FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D191	19	7	0
D193	19	7	0
D194	19	7	0
D195	22	9	0
D199	3	3	0
D200	4	3	0
C201	4	3	0
C202	4	3	0

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[40CFR 63 Subpart GG, 4-20-2006]

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 use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

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

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

DEVICE CONDITIONS

A. Emission Limits

- A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 40 LBS IN ANY ONE DAY

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

[Devices subject to this condition : D135]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 81 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment subject to this condition.

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

[Devices subject to this condition : D127, C128, D135, D164, D165, D166, D167, D168, D169, D170, D171, D172, D173, D174, D175, D176, D177, D178, D179, D180, D185, D186, D187, D188, D189, D190, D191, D193, D194, D195]

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 41 LBS IN ANY ONE DAY

The operator shall use an overall removal efficiency of 95 percent to calculate daily emissions of VOC from the drying room.

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

[Devices subject to this condition : D127]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 20 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment subject to this condition.

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

[Devices subject to this condition : D167, D168, D172, D173, D185, D186, D187, D188, D189, D190, D191, D193, D194]

B. Material/Fuel Type Limits

B27.1 The operator shall not use materials containing any compounds identified in the SCAQMD Rule 1401, as amended 07-dec-1990.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D43, D47, D51, D142, D143, D144]

B59.2 The operator shall not use the following material(s) in this device :

any kind of powder coating

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

[Devices subject to this condition : D135]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

any powder materials

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

[Devices subject to this condition : D125, D149]

B59.5 The operator shall not use the following material(s) in this device :

Materials contaminated with rubber, plastic, paper, rags, oil, grease

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D60, D61, D62]

B59.6 The operator shall only use the following material(s) in this device :

Hexane, EPDM, and Neoprene Rubber

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

[Devices subject to this condition : D125, D149]

B59.7 The operator shall not use the following material(s) in this device :

Materials containing more than 25 percent by weight of strontium chromate, 0.0185 percent by weight of formaldehyde, 0.00352 percent by weight of benzene and 0.00067 percent by weight of cadmium

Materials containing any toxic air contaminants identified in Rule 1401, Table 1 with a date of listing May 2, 2003 or earlier, except strontium chromate, formaldehyde, benzene, cadmium, toluene, xylenes, and MEK (CAS No. 78-93-3).

[RULE 1401, 5-2-2003]

[Devices subject to this condition : D135]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B59.8 The operator shall not use the following material(s) in this device :

Materials containing any toxic air contaminants identified in Rule 1401, Table 1 with a date of listing of June 15, 2001 or earlier, except formaldehyde, isopropyl alcohol, phenol, xylene, toluene, benzene, methanol, ethyl benzene, and EGME (CAS No. 109-86-4).

[RULE 1401, 6-15-2001]

[Devices subject to this condition : D164, D165, D166, D167, D168, D169, D170, D171, D172, D173, D174, D175, D176, D177, D178, D179, D180, D185, D186, D187, D188, D189, D190, D191, D193, D194, D195]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 2000 lbs in any one day.

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

[Devices subject to this condition : D42]

C1.2 The operator shall limit the material processed to no more than 3000 lbs in any one day.

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

[Devices subject to this condition : D45]

C1.3 The operator shall limit the heat input to no more than 23000 MM Btu in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a process unit.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D4, D111]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C1.4 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and O set Exemption, 6-14-1996; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D8, D120, D148, D199, D200]

- C1.5 The operator shall limit the material processed to no more than 25 gallon(s) per year.

For the purpose of this condition, material processed shall be defined as any primers, containing not more than 23.5 by weight of strontium chromate, used in the epoxy priming application.

[**RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002; RULE 1401, 12-7-1990; RULE 1469.1, 3-4-2005]**

[Devices subject to this condition : D135]

- C1.6 The operator shall limit the natural gas fuel usage to no more than 21.9 MM cubic feet per year.

[**RULE 1303(b)(2)-O set, 5-10-1996; RULE 2012, 5-6-2005]**

[Devices subject to this condition : C71]

- C1.7 The operator shall limit the material processed to no more than 4000 lb(s) in any one day.

For the purpose of this condition, material processed shall be defined as total quantity of hexane charged to D125 and D149 combined.

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

[Devices subject to this condition : D125, D149]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C1.8 The operator shall limit the natural gas fuel usage to no more than 10000 cubic feet per day.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the equipment.

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(b)(2)-O set, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D167, D168, D172, D173, D185, D186, D187]

- C1.9 The operator shall limit the material processed to no more than 35 gallon(s) per year.

For the purpose of this condition, material processed shall be defined as any coatings, containing not more than 10% by weight of strontium chromate, used in the vapor barrier coating operation.

[RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002; RULE 1401, 5-2-2003; RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D135]

- C1.10 The operator shall limit the material processed to no more than 35 gallon(s) per year.

For the purpose of this condition, material processed shall be defined as any primers, containing not more than 25% by weight of strontium chromate, used in the polyamide priming application.

[RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002; RULE 1401, 5-2-2003; RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D135]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.5 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 exhaust filters.

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

[Devices subject to this condition : D12, D13, D135]

- C6.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 3250 Deg F.

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D45]

- C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 40 Deg F.

This condition shall only apply to the condenser outlet temperature. To comply with this condition, the operator shall install and maintain a temperature gauge to accurately indicate the temperature at the condenser outlet. The operator shall also install and maintain a device to continuously record the parameter being measured. In lieu of the recorder, the operator shall maintain daily temperature logs and make these logs available to any District representative upon request.

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

[Devices subject to this condition : C150]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.5 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 500 Deg F.

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

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 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D165, D175, D176, D177, D178, D179, D180, D188]

- C6.6 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 550 Deg F.

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

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 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D167, D168, D172, D173]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.7 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 650 Deg F.

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

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 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D164, D169]

- C6.9 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 850 Deg F.

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

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 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D190, D193, D194]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.11 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 400 Deg F.

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

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 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D166, D170, D174]

- C6.12 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 600 Deg F.

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

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 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D191]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.14 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 750 Deg F.

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

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 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D171, D189, D195]

- C6.15 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 700 Deg F.

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

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 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D185, D186, D187]

- C6.16 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 3.0 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 exhaust filters.

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

[Devices subject to this condition : D11]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.17 The operator shall use this equipment in such a manner that the oxygen concentration being monitored, as indicated below, does not exceed 0.5 percent.

To comply with this condition, the operator shall install and maintain an oxygen sensor to accurately indicate the oxygen concentration at the engine exhaust in mV.

In operation, the oxygen sensor reading shall be greater than 140 mV.

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

[Devices subject to this condition : D199]

- C6.18 The operator shall use this equipment in such a manner that the oxygen concentration being monitored, as indicated below, does not exceed 0.5 percent.

To comply with this condition, the operator shall install and maintain an oxygen sensor to accurately indicate the oxygen concentration at the engine exhaust in mV.

In operation, the oxygen sensor reading shall be between 550 mV to 600 mV.

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

[Devices subject to this condition : D200]

- C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

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

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

[Devices subject to this condition : C87, C90, C92]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C8.2 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 60 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the scrubbing solution. The operator shall determine and record the parameter being monitored once every day.

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

[Devices subject to this condition : C38]

- C10.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is maintained between 7 and 14 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the scrubbing solution. The operator shall also install and maintain a device to record the parameter being measured once every day. In lieu of the recorder, the operator shall maintain daily pH logs and make these logs available to any District representative upon request.

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

[Devices subject to this condition : C38]

D. Monitoring/Testing Requirements

- D12.2 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the combustion chamber of the afterburner.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : C71]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- D12.4 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D4, D111]

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

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

The test shall be conducted to determine the VOC emissions using EPA Method 25 or 25A measured over a 60 minute averaging time period.

The test shall be conducted to demonstrate compliance with Rule 442(e)--Control Requirement.

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

[Devices subject to this condition : C87, C90, C92]

- D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

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

[Devices subject to this condition : D8, D120]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

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

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

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C71, C128, C133]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

The test shall be conducted no later than January 10, 2012 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 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 this permit may be increased to reflect the operating temperature during the source test

The operator shall comply with administrative conditions 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

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

[Devices subject to this condition : C71, C72, C128, C133]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D182.3 The operator shall test this equipment in accordance with the following specifications:

The combustion chamber temperature shall be maintained at a minimum of 1,750 degrees Fahrenheit whenever the equipment it serves is in operation.

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

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,750 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,750 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

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

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

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C72]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D322.1 The operator shall perform 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 : D11, D12, D13, D135]

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 : C96, C100, C123, C146]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D59, D60, D61, D62, D95, D99, D121, D144, D175, D176, D177, D178, D179, D180]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D4, D5]

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : C96, C100]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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 a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, 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 : C123, C146]

E. Equipment Operation/Construction Requirements

E17.1 The operator shall not use more than 1 of the following items simultaneously:

Device ID: D125 [MIXER]

Device ID: D149 [MIXER]

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

[Devices subject to this condition : D125, D149]

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

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

[Devices subject to this condition : C96, C100, C123, C146]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[RULE 1146, 11-17-2000; RULE 2012, 5-6-2005]

[Devices subject to this condition : D4, D5]

E115.1 The operator shall maintain an automatic air-to-fuel ratio controller so as to regulate the air-to-fuel ratio within tolerance limits as recommended by the catalyst supplier or manufacturer.

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

[Devices subject to this condition : D199, D200]

E166.1 The operator shall keep all openings from this equipment closed when in use except during loading operations.

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

[Devices subject to this condition : D125, D149]

E166.2 The operator shall keep all openings from this equipment closed when not in use except during inspection and cleaning.

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

[Devices subject to this condition : D125, D149]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

Pre filters, pocket filters, and HEPA filters; and

The HEPA filters used in this equipment shall be individually DOP tested with 0.3 micron particles and certified to have an efficiency of not less than 99.99%.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D135]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

filter media at least 2 inches thick

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

[Devices subject to this condition : D12, D13]

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

Pre filters, pocket filters, and HEPA filters; and

The HEPA filters used in this equipment shall be individually DOP tested with 0.3 micron particles 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; RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D11]

E448.1 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year, which includes no more than 20 hours in any one year for maintenance and testing

Operation beyond 20 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent of in effect

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested by the utility or grid operator

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D148]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H. Applicable Rules

H23.2 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 : D12, D13]

H23.3 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
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 : D11, D135]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.4 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 : E153, E155, E156]

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):

An engine operating log listing the date of operation, the elapsed time, in hours, and the reason for operation. Such logs shall be kept and maintained on file for a minimum of five years and made available to District personnel upon request.

[RULE 1304(a)-Modeling and O set Exemption, 6-14-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : D8, D120, D148, D199, D200]

K67.3 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 : C96, C100, C123, C146]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

The daily Volatile Organic Compound (VOC) emissions in pounds and VOC contents of each material as applied (including water and exempt solvents). All records shall be prepared in a format which is acceptable to the District, shall be retained for at least five years, and shall be made available to the District personnel upon request.

All current Material Safety Data Sheets (MSDS) for all VOC-containing materials used at this facility shall be made available to the District personnel upon request.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-O set, 5-10-1996]

[Devices subject to this condition : D11, D127, D135, D164, D165, D166, D167, D168, D169, D170, D171, D172, D173, D174, D175, D176, D177, D178, D179, D180, D185, D186, D187, D188, D189, D190, D191, D193, D194, D195]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

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

[Devices subject to this condition : E151]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K67.7 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

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 : D11, D12, D13, D135]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The engine operating log shall be kept and maintained on file to record when the engine is started manually. The log shall list the date of operation, the timer reading in hours at the beginning and end of operation, and the reason for operation

By January 15th of each year, the operator shall total and record the total hours of operation (including hours for both manual and automatic operation) for the previous calendar year

All records required by this permit shall be kept in a format that is acceptable to the District, shall be retained on the premises for five years, and made available to any District representative upon request

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D148]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions 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 and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION E: ADMINISTRATIVE CONDITIONS

- a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
- a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
 - e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
 - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION E: ADMINISTRATIVE CONDITIONS

9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
 - a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.
 - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]

**FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC**

SECTION E: ADMINISTRATIVE CONDITIONS

12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182.
[204]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NOx Monitoring Conditions

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
2. Comply at all times with the specified NOx concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

II. NOx Source Testing and Tune-up Conditions

1. The operator shall conduct all required NOx source testing in compliance with an AQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NOx source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NOx large sources and NOx process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]
4. Process Unit source testing

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
 - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
 - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NO_x or SO_x emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NO_x Reporting Requirements

- A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

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**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR
RECLAIM SOURCES**

B. The Operator of a NO_x Large Source, as defined in Rule 2012, shall:

1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NO_x mass emissions from each large NO_x source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]

C. The Operator of a NO_x Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NO_x emissions for each NO_x process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE

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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

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SECTION J: AIR TOXICS

NOT APPLICABLE

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SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that the initial Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:

(A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

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- (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

- 8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
 - (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

- 9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
- 10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

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SECTION K: TITLE V Administration

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]
14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
 - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after

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commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

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SECTION K: TITLE V Administration

EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION K: TITLE V Administration

RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
 - (B) The date(s) analyses were performed;
 - (C) The company or entity that performed the analyses;
 - (D) The analytical techniques or methods used;
 - (E) The results of such analyses; and
 - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.
 - (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

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- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
- (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;
- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.
- The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]
25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION K: TITLE V Administration

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the Title V application file. [3004(a)(4)]

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations:

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 109	5-2-2003	Federally enforceable
RULE 1110.2	6-3-2005	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1124	9-21-2001	Federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1168	1-7-2005	Non federally enforceable
RULE 1168	10-3-2003	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	7-14-2006	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-O set	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-O set	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and O set Exemption	6-14-1996	Federally enforceable
RULE 1401	12-7-1990	Non federally enforceable
RULE 1401	5-2-2003	Non federally enforceable
RULE 1401	6-15-2001	Non federally enforceable
RULE 1469.1	3-4-2005	Non federally enforceable
RULE 1470	6-1-2007	Non federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	6-9-2006	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 442	12-15-2000	Federally enforceable
RULE 480	10-7-1977	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
40CFR 63 Subpart GG	4-20-2006	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable

**FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC**

**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN
PERMIT PURSUANT TO RULE 219**

1. BOILER, 0.5 MMBTU/HR, NATURAL GAS
2. EMERGENCY GENERATOR, LPG
3. OVENS, NATURAL GAS
4. INFRARED HEATERS, NATURAL GAS
5. WATER HEATERS, NATURAL GAS

FACILITY PERMIT TO OPERATE

HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water And Less Exempt Compounds

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250						
Graphic Arts (Sign) Coatings	500				100		50
Industrial Maintenance							

FACILITY PERMIT TO OPERATE

HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

Primers and Topcoats						
Alkyds	420					
Catalyzed Epoxy	420					
Bituminous Coatings	420					
Materials						
Inorganic Polymers	420					
Vinyl Chloride Polymers	420					
Chlorinated Rubber	420					
Acrylic Polymers	420					
Urethane Polymers	420					
Silicones	420					
Unique Vehicles	420					
Japans/Faux Finishing	350	700		350		
Coatings						
Magnesite Cement Coatings	600			450		
Mastic Coatings	300					
Metallic Pigmented Coatings	500					
Multi-Color Coatings	420		250			
Pigmented Lacquer	680		550		275	
Pre-Treatment Wash Primers	780					
Primers, Sealers, and	350					
Undercoaters						
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

**FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 11-8-1996]**

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

TABLE OF STANDARDS VOC LIMITS

**Grams of VOC Per Liter of Coating,
 Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		
Nonflat High Gloss	250		150				50	

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing	400					100		
Concrete/Masonry Sealers								
Wood Preservatives								
Below-Ground	350							
Other	350							

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

** Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

*** The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 7-13-2007]

TABLE OF STANDARDS (cont.)
VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1124 9-21-2001]**

Except as otherwise provided in Rule 1124

- (1) VOC Content of Aerospace Materials
 - (A) A person shall not apply to aerospace components any materials, including any VOC-containing materials added to the original material supplied by the manufacturer, which contain VOC in excess of the limits specified below:

VOC Limit			
Grams of VOC per Liter, Less Water and Less Exempt Compounds			
Primers	Current VOC Limit	VOC Limit Effective 1-1-03	VOC Limit Effective 1-1-05
General Primer	350	350	350
Low-Solids Corrosion Resistant Primer	350	350	350
Pretreatment Primer	780	780	780
Rain Erosion-Resistant Coating Compatible Primer	850	850	850
Adhesion Promoter	850	850	250
Adhesive Bonding Primer			
New Commercial Aircraft	805	250	250
All Military Aircraft	805	805	805
Remanufactured Commercial Aircraft Parts	805	805	805
Sonic and Acoustic Applications	805	805	805
Adhesive Bonding Primer			
Long Term	250	250	250
Short Term	250	250	250

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1124 9-21-2001]**

Coatings	Current VOC Limit	VOC Limit Effective 3-01-02
Topcoat	420	420
Clear Topcoat	520	520
Unicoat	420	420
Wing Coating	750	750
Impact Resistant Coating	420	420
High-Temperature Coating	850	850
Antichafe Coating	600	420
Rain Erosion-Resistant Coating	800	800
Conformal Coating	750	750
Optical Anti-Reflective Coating	700	700
Scale Inhibitor	880	880
Metallized Epoxy Coating	700	700
Electric or Radiation Effect Coating	800	800
Temporary Protective Coating	250	250
Fuel Tank Coatings	420	420
Mold Release Coatings	780	780
Flight Test Coatings		
Used on Missiles or Single Use Target Craft	420	420
All Other	840	840
Fire Resistant Coatings		
Commercial	650	650
Military	970	800
Wire Coatings		
Phosphate Ester Resistant Ink	925	925
Other	420	420
Space Vehicle Coatings		
Electrostatic Discharge Protection Coating	800	800
Other	1000	1000

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1124 9-21-2001]**

Adhesives	Current VOC Limit
Non-Structural Adhesive	250
Structural Adhesive	
Autoclavable	50
Non-Autoclavable	850
Space Vehicle Adhesive	800
Fuel Tank Adhesive	620

Sealants	Current VOC Limit	VOC Limit Effective 3-01-02
Fastener Sealant	675	675
Extrudable, Rollable or Brushable Sealant	600	280
Other	600	600

Maskants	Current VOC Limit
For Chemical Processing	250
For Chemical Milling	
Type I	250
Type II	160
Photolithographic	850
Touch-up, Line Sealer Maskants	750

Lubricants	Current VOC Limit
Fastener Installation	
Solid-Film Lubricant	880
Dry Lubricative Materials	675
Fastener-Lubricative Coatings, Fastener Manufacturing	
Solid Film Lubricant	250
Dry Lubricative Materials	120
Barrier Coating	420
Non-Fastener Lubricative Coatings, Fastener Manufacturing	
Solid Film Lubricant	880
Dry Lubricative Materials	675

FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1124 9-21-2001]

VOC LIMIT Grams of VOC per Liter of Material	
Cleaning Solvents and Strippers	Current VOC Limit
Cleaning Solvents	200 g/L or 45 mm Hg VOC Composite Partial Pressure
Strippers	300 g/L or 9.5 mm Hg VOC Composite Partial Pressure

- (B) Documents shall be provided to the Executive Officer or his designee demonstrating that unicoat is being used in lieu of the application of a primer and topcoat, and the applicant must receive written approval for the use of unicoat specifying the conditions of application from the Executive Officer or his designee.
 - (C) For low-solids adhesives, coatings, primers or sealants, the appropriate limits in subparagraph (c)(1)(A) shall be expressed in grams of VOC per liter of material.
- (2) Solvent Cleaning Operations; Storage and Disposal of VOC-Containing Materials
- (A) Cleaning of material application equipment and storage of solvent laden cloth and paper shall comply with provisions of Rule 1171.
 - (B) A person shall not atomize any solvent into open air.

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS [RULE 1140 2-1-1980]

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 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 (1)(A).

- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as 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 (2)(A).

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS [RULE 1140 8-2-1985]

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 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 (1)(A).

- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as 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 (2)(A).

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS [RULE 1168 1-7-2005]

- (1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.
- (2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

VOC Limit*, Less Water and Less Exempt Compounds in Grams per Liter

Architectural Applications	Current VOC Limit*
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 1-7-2005]

Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit*	1-1-05	7-1-05	1-1-07
PVC Welding	510			
CPVC Welding	490			
ABS Welding	400		325	
Plastic Cement Welding	350	250		
Adhesive Primer for Plastic	650		550	
Computer Diskette Manufacturing	350			
Contact Adhesive	80			
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	540			250

** The specified limits remain in effect unless revised limits are listed in subsequent columns.

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1168 1-7-2005]**

For adhesives, adhesive bonding primers, or any other primer not regulated by the above two tables and applied to the following substrates, the following limits shall apply:

Substrate Specific Applications	Current VOC Limit*
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

Sealants	Current VOC Limit*
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 1-7-2005]

Sealant Primers	Current VOC Limit*
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1168 10-3-2003]**

- (1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.
- (2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

VOC Limit*, Less Water and Less Exempt Compounds in Grams per Liter

Architectural Applications	Current VOC Limit
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1168 10-3-2003]**

.Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit	6-7-02	1-1-03	1-1-05
PVC Welding	510			285
CPVC Welding	490			270
ABS Welding	400			
Plastic Cement Welding	350			250
Adhesive Primer for Plastic	650			250
Computer Diskette Manufacturing	350			
Contact Adhesive	250		80	
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	250	540		250

** The specified limits remain in effect unless revised limits are listed in subsequent columns.

Substrate Specific Applications	Current VOC Limit
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1168 10-3-2003]**

Substrate Specific Applications	Current VOC Limit
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

Sealants	Current VOC Limit
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

Sealant Primers	Current VOC Limit
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 11-7-2003]**

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)

FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 11-7-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

FACILITY PERMIT TO OPERATE HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 7-14-2006]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2008
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 7-14-2006]**

	CURRENT LIMITS*	EFFECTIVE 1/1/2008
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components		
(I) Newsprint	100 (0.83)	

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 7-14-2006]**

	CURRENT LIMITS*	EFFECTIVE 1/1/2008
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(II) Other Substrates	500 (4.2)	100 (0.83)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	500 (4.2)	100 (0.83)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 2-7-1986]**

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402

**FACILITY PERMIT TO OPERATE
 HITCO CARBON COMPOSITES INC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 404 2-7-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 405 2-7-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process)		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process)	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9

FACILITY PERMIT TO OPERATE
HITCO CARBON COMPOSITES INC

APPENDIX B: RULE EMISSION LIMITS
[RULE 405 2-7-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process)		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process)	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0