FACILITY PERMIT TO OPERATE

NORTHROP GRUMMAN CORP, AIRCRAFT DIV
ONE HORNET WAY M/S PA12/W5
EL SEGUNDO, CA 90245

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By _____ FOR
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR:	NORTHROP GRUMMAN CORP, AIRCRAFT DIV
LEGAL OPERATOR (if different than owner):	
EQUIPMENT LOCATION:	ONE HORNET WAY M/S PA12/W5 EL SEGUNDO, CA 90245
MAILING ADDRESS:	ONE HORNET WAY M/S PA12/W9 EL SEGUNDO, CA 90245
RESPONSIBLE OFFICIAL:	MICHELLE SCARPELLA
TITLE:	VICE PRESIDENT & EL SEGUNDO SITE MANAGER
TELEPHONE NUMBER:	(310) 332-2900
CONTACT PERSON:	KARL BHATNAGAR
TITLE:	ENVIRONMENTAL MANAGER
TELEPHONE NUMBER:	(310) 331-7544
TITLE V PERMIT ISSUED:	July 06, 2010
TITLE V PERMIT EXPIRATION DATE:	July 05, 2015

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 Begin (month/year)	End	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 07/06/2010 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
7/2007	6/2008	Coastal	0	165	0
1/2008	12/2008	Coastal	9634	80	260
7/2008	6/2009	Coastal	0	10870	979
1/2009	12/2009	Coastal	9634	0	520
7/2009	6/2010	Coastal	0	26770	1959
1/2010	12/2010	Coastal	9634	7726	780
7/2010	6/2011	Coastal	0	32224	2938
1/2011	12/2011	Coastal	9634	7466	1040
7/2011	6/2012	Coastal	0	31139	3917
1/2012	12/2012	Coastal	9634	7466	1040
7/2012	6/2013	Coastal	0	31139	3917
1/2013	12/2013	Coastal	9634	7466	1040
7/2013	6/2014	Coastal	0	31139	3917
1/2014	12/2014	Coastal	9634	7466	1040
7/2014	6/2015	Coastal	0	31139	3917
1/2015	12/2015	Coastal	9634	7466	1040
7/2015	6/2016	Coastal	0	31139	3917

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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 Begin (month/year)	End	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 07/06/2010 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
1/2016	12/2016	Coastal	9634	7466	1040
7/2016	6/2017	Coastal	0	31139	3917
1/2017	12/2017	Coastal	9634	7466	1040
7/2017	6/2018	Coastal	0	31139	3917
1/2018	12/2018	Coastal	9634	7466	1040
7/2018	6/2019	Coastal	0	31139	3917
1/2019	12/2019	Coastal	9634	7466	1040
7/2019	6/2020	Coastal	0	31139	3917
1/2020	12/2020	Coastal	9634	7466	1040
7/2020	6/2021	Coastal	0	31139	3917
1/2021	12/2021	Coastal	9634	7466	1040
7/2021	6/2022	Coastal	0	31139	3917
1/2022	12/2022	Coastal	9634	7466	1040
7/2022	6/2023	Coastal	0	31139	3917
1/2023	12/2023	Coastal	9634	7466	1040
7/2023	6/2024	Coastal	0	31139	3917
1/2024	12/2024	Coastal	9634	7466	1040

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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 Begin (month/year)	End	Zone	NOx RTC Initially Allocated	NOx RTC [1] Holding as of 07/06/2010 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
7/2024	6/2025	Coastal	0	31139	3917
1/2025	12/2025	Coastal	9634	7466	1040

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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 in 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 Begin (month/year)	Year End (month/year)	Zone	NOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTC) (pounds)
1/1994	12/1994	Coastal	14082	1022

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
System 1: COATING OPERATION, BLDG. WC 923					
SPRAY COATING OPERATION, NO. 1, 14 FT W. X 24 FT L. X 10 FT H., 35 PREFILTERS, 1-15 HP EXHAUST FAN, 35-20 X 20 X 12 IN POCKET FILTERS, 15-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436877	D5			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.5, D322.1, E71.3, E71.8, E175.5, E193.1, H23.4, K67.1
SPRAY COATING OPERATION, NO. 3, 24 FT W. X 40 FT L. X 18 FT H., 77 PREFILTERS, 1-30 HP EXHAUST FAN, 77-20 X 20 X 12 IN POCKET FILTERS, 30-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436894	D6			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.5, D322.1, E71.3, E71.8, E175.5, E193.1, H23.4, K67.1
SPRAY COATING OPERATION, NO. 2, 24 FT W. X 40 FT L. X 18 FT H., 77 PREFILTERS, 1-30 HP EXHAUST FAN, 77-20 X 20 X 12 IN POCKET FILTERS, 30-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436895	D7			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.5, D322.1, E71.3, E71.8, E175.5, E193.1, H23.4, 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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
SPRAY COATING OPERATION, NO. 5, 36 FT W. X 56 FT L. X 22 FT H., 175 PREFILTERS, 80-24 X 24 X 2 IN PLEAT FILTERS, 80-24 X 24 X 12 IN HEPA FILTERS, 3-50 HP FANS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460623	D131			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997;** *RULE 1145, 12-3-2004;* **RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.7, D322.1, E71.4, E71.9, E175.5, E193.1, H23.4, K67.1
OVEN, DRYING, NO.5, NATURAL GAS, 8 MMBTU/HR 460623	D132		NOX: PROCESS UNIT**	**CO**: 2000 PPMV NATURAL GAS (5) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV NATURAL GAS (3) [**RULE 2012, 5-6-2005**]; **NOX**: 30 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	C1.16, C6.9, D12.1, E71.7
BURNER, BAKE, NATURAL GAS, MAXON, MODEL FX-12-ST, WITH LOW NOX BURNER, 8 MMBTU/HR				**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**]	E71.7
BURNER, INTAKE AIR, NATURAL GAS, ECLIPSE, MODEL MINNOX 250, 0.92 MMBTU/HR	D220				

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
SPRAY COATING OPERATION, NO. 6, 36 FT W. X 56 FT L. X 22 FT H., 175 PREFILTERS, 80-24 X 24 X 2 IN PLEAT FILTERS, 80-24 X 24 X 12 IN HEPA FILTERS, 3-50 HP FANS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460624	D134			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997;** *RULE 1145, 12-3-2004;* **RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.7, D322.1, E71.4, E71.9, E175.5, E193.1, H23.4, K67.1
OVEN, DRYING, NO.6, NATURAL GAS, 8 MMBTU/HR 460624	D135		NOX: PROCESS UNIT**	**CO**: 2000 PPMV NATURAL GAS (5) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV NATURAL GAS (3) [**RULE 2012, 5-6-2005**]; **NOX**: 30 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	C1.16, C6.9, D12.1, E71.7
BURNER, BAKE, NATURAL GAS, MAXON, MODEL FX-12-ST, WITH LOW NOX BURNER, 8 MMBTU/HR				**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**]	E71.7
BURNER, INTAKE AIR, NATURAL GAS, ECLIPSE, MODEL MINNOX 250, 0.92 MMBTU/HR	D221				

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
SPRAY COATING OPERATION, NO. 7, 36 FT W X 56 FT L X 22 FT H, 273 PREFILTERS, 3-50 HP EXHAUST FANS, 50-24 X 24 X 2 IN PLEAT FILTERS, 50-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460625	D137			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997;** *RULE 1145, 12-3-2004;* **RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.7, D322.1, E71.4, E71.9, E175.5, E193.1, H23.4, K67.1
OVEN, DRYING, NO.7, NATURAL GAS, 8 MMBTU/HR 460625	D138		NOX: PROCESS UNIT**	**CO**: 2000 PPMV NATURAL GAS (5) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV NATURAL GAS (3) [**RULE 2012, 5-6-2005**]; **NOX**: 30 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	C1.16, C6.9, D12.1, E71.7
BURNER, BAKE, NATURAL GAS, MAXON, MODEL FX-12-ST, WITH LOW NOX BURNER, 8 MMBTU/HR				**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**]	E71.7
BURNER, INTAKE AIR, NATURAL GAS, ECLIPSE, MODEL MINNOX 250, 0.92 MMBTU/HR	D222				

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
SPRAY COATING OPERATION, NO. 8, 36 FT W X 56 FT L X 22 FT H, 273 PREFILTERS, 3-50 HP EXHAUST FANS, 55-24 X 24 X 2 IN PLEAT FILTERS, 55-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460626	D140			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997;** *RULE 1145, 12-3-2004;* **RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.7, D322.1, E71.4, E71.9, E175.5, E193.1, H23.4, K67.1
OVEN, DRYING, NO.8, NATURAL GAS, 8 MMBTU/HR 460626	D141		NOX: PROCESS UNIT**	**CO**: 2000 PPMV NATURAL GAS (5) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV NATURAL GAS (3) [**RULE 2012, 5-6-2005**]; **NOX**: 30 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	C1.16, C6.9, D12.1, E71.7
BURNER, BAKE, NATURAL GAS, MAXON, MODEL FX-12-ST, WITH LOW NOX BURNER, 8 MMBTU/HR				**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**]	E71.7
BURNER, INTAKE AIR, NATURAL GAS, ECLIPSE, MODEL MINNOX 250, 0.92 MMBTU/HR	D223				

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
SPRAY COATING OPERATION, NO. 4, 24 FT W. X 40 FT L. X 22 FT H., 109 PREFILTERS, 2-50 HP EXHAUST FANS, 55-24 X 24 X 2 IN PLEAT FILTERS, 55-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 460622	D128			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997;** *RULE 1145, 12-3-2004;* **RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.9, D322.1, E71.6, E71.9, E175.5, E193.1, H23.4, K67.1
OVEN, DRYING, NO.4, NATURAL GAS, 5 MMBTU/HR 460622	D129		NOX: PROCESS UNIT**	**CO**: 2000 PPMV NATURAL GAS (5) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV NATURAL GAS (3) [**RULE 2012, 5-6-2005**]; **NOX**: 30 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	C1.16, C6.9, D12.1, E71.7
BURNER, BAKE, NATURAL GAS, MAXON, MODEL FX-12-ST, WITH LOW NOX BURNER, 5 MMBTU/HR				**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**]	E71.7
BURNER, INTAKE AIR, NATURAL GAS, ECLIPSE, MODEL MINNOX 250, 0.92 MMBTU/HR	D219				

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
System 2: COATING OPERATION, BLDG. WC 915					
SPRAY COATING OPERATION, NO. 3, 44 FT-9 IN W X 46 FT L X 25 FT H, 185 PREFILTERS, 5-25 HP EXHAUST FANS, 80-24 X 24 X 2 IN PLEAT FILTERS, 80-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436902	D8			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.7, D322.1, E71.4, E71.9, E175.5, E193.1, H23.4, K67.1
SPRAY COATING OPERATION, NO. 4, 14 FT-9 IN W X 30 FT-6 IN L X 9 FT H, 35 PREFILTERS, 1-25 HP EXHAUST FAN, 16-24 X 24 X 2 IN PLEAT FILTERS, 16-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436903	D9			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.5, D322.1, E71.3, E71.9, E175.5, E193.1, H23.4, K67.1
SPRAY COATING OPERATION, NO. 1, 51 FT W X 60 FT L X 25 FT H, 220 PREFILTERS, 4-50 HP EXHAUST FANS, 92-24 IN X 24 IN X 2 IN PLEAT FILTERS, 92-24 IN X 24 IN X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436904	D10			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.7, D322.1, E71.4, E71.8, E175.5, E193.1, H23.4, 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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
SPRAY COATING OPERATION, NO. 2, 33 FT W X 44 FT L X 25 FT H, 150 PREFILTERS, 3-25 HP EXHAUST FANS, 48-24 IN X 24 IN X 2 IN PLEAT FILTERS, 48-24 IN X 24 IN X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436905	D11			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.4, A63.7, D322.1, E71.4, E71.8, E175.5, E193.1, H23.4, K67.1
System 3: COATING OPERATION, BLDG. WC 907					
SPRAY COATING OPERATION, 10 FT. W. X 32 FT. L. X 10 FT. H., 48 PREFILTERS, 48 POCKET FILTERS, 18-24 IN. X 24 IN. X 12 IN. HEPA FILTERS, TWO 10 HP EXH. FANS, WITH SPRAY BOOTH A/N: 443323	D12			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 3-27-1998**]; **VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.5, D322.1, E71.8, E175.5, E193.1, H23.4, K67.1
PUMP, VACUUM, RESIN TRANSFER A/N: 296033	D97	C173		**VOC**: (9) [**RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	E153.1, K67.9
PUMP, VACUUM, RESIN TRANSFER A/N: 296034	D98	C179		**VOC**: (9) [**RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	E153.1, K67.9
CARBON ADSORBER A/N: 296033	C173	D97			E153.1, K67.9
CARBON ADSORBER A/N: 296034	C179	D98			E153.1, K67.9
System 4: COATING OPERATION, BLDG. WC 905					

* (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
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: SURFACE COATING					
SPRAY COATING OPERATION, NO. W523, 14 FT W X 12 FT L X 10 FT H, 32 PREFILTERS, 32-20 X 20 X 12 IN POCKET, FILTERS, 6 HEPA PREFILTERS, 6-24 X 24 X 12 IN HEPA FILTERS, 12 HP EXHAUST FAN, WITH SPRAY BOOTH A/N: 467868	D13			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.8, C1.5, C6.3, D322.1, E175.6, H23.4, H23.11, K67.1
SPRAY COATING OPERATION, CER-1, 30 FT W X 30 FT L X 11 FT H, 80 PREFILTERS, 1-25.5 HP EXHAUST FAN, 80-24 X 24 X 17 IN POCKET FILTERS, 80-24 X 24 X 17 IN POCKET FILTERS, WITH FABRIC FILTER, SPRAY BOOTH A/N: 436908	D184			**PM**: (9) [**RULE 404, 2-7-1986; RULE 405, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 7-14-2006*]	B27.2, B59.3, C1.10, C6.1, E175.3, H23.4, K67.6
SPRAY COATING OPERATION, ARC, 15 FT W X 22 FT L X 9 FT H, WATER CURTAIN, 1-5 HP WATER CIRCULATION PUMP, 1-1 HP EXHAUST FAN, WITH WATER CURTAIN A/N: 432176	D18			**PM**: (9) [**RULE 404, 2-7-1986; RULE 405, 2-7-1986**]	A63.8, D322.3, E71.1, E145.1, K67.8
System 5: COATING OPERATION, BLDG. WC 902					

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 2: SURFACE COATING					
SPRAY COATING OPERATION, PB3, 20 FT W X 20 FT L X 16 FT H, 48 PREFILTERS, 1-10 HP EXHAUST FAN, 48-24 X 24 X 12 IN POCKET FILTERS, 48-24 X 24 X 12 IN HEPA FILTERS, WITH HIGH EFFICIENCY PARTICULATE AIR FILTER, SPRAY BOOTH A/N: 436912	D190			**HAP**: (9) [RULE 1401, 3-4-2005]; **PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1145, 2-14-1997;** *RULE 1145, 12-3-2004;* **RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.3, A63.4, A63.5, C1.11, D322.1, E71.3, E71.8, E175.5, E193.1, H23.4, H23.9, H23.11, K67.1
HEATER, INDIRECT-FIRED HEAT EXCHANGER, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 408401 BURNER, ECLIPSE RM300, NATURAL GAS, 3 MMBTU/HR	D201		NOX: PROCESS UNIT**	**CO**: 2000 PPMV NATURAL GAS (5) [**RULE 407, 4-2-1982**]; **NOX**: 62 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **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**]	H23.8

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
BOILER, PARKER, NATURAL GAS, WITH LOW NOX BURNER, 3.78 MMBTU/HR WITH A/N: 407999 BURNER, PARKER, MODEL NO. 105-90LR, NATURAL GAS, 3.78 MMBTU/HR	D202		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5A) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV NATURAL GAS (5) [**RULE 407, 4-2-1982**]; **NOX**: 12 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **NOX**: 38.46 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	D332.2, H23.8
System 6: COATING OVENS, BLDG. WC 923					
OVEN, CURING, LYLE SMITH, MODEL NO. FST6127, NATURAL GAS, D40101, 0.5 MMBTU/HR A/N: 246513	D20	D22	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**]	C6.4, D323.2
OVEN, CURING, LYLE SMITH, MODEL NO. FST6127, 0.5 MMBTU/HR A/N: 246514	D114	D22	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**]	D323.2

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 2: SURFACE COATING					
PUMP, VACUUM, R-D40425 A/N: 246514	D22	D20 C21 D114			
MIST ELIMINATOR, OIL COLLECTOR, BALSTON, R-D40425 A/N: 246514	C21	D22		**PM**: (9) [**RULE 404, 2-7-1986**]	D323.1
System 7: COATING OVENS, BLDG. WC 905					
OVEN, CURING, NATURAL GAS, D34821, 0.75 MMBTU/HR A/N: 236595	D23		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**]	B89.1, C1.2, C6.4
OVEN, CURING, NATURAL GAS, D62332, 2 MMBTU/HR A/N: 180422	D26		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**]	D323.2
OVEN, CURING, NATURAL GAS, 0.473 MMBTU/HR A/N: 306704	D107		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**]	C6.8

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 2: SURFACE COATING					
OVEN, CURING, 0.41 MMBTU/HR A/N: 306706	D109		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**]	C6.8
AUTOCLAVE, CURING, THERMAL EQ., SERIAL NO. 179, 10 KW ELECTRICALLY HEATED A/N: 377516	D110			**PM**: (9) [**RULE 404, 2-7-1986**]	C6.10
OVEN, CURING, NATURAL GAS, 0.504 MMBTU/HR A/N: 306708	D111		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**]	C6.8
OVEN, CURING, NATURAL GAS, 0.504 MMBTU/HR A/N: 306709	D112		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**]	C6.8

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
OVEN, CURING, NATURAL GAS, 0.473 MMBTU/HR A/N: 306703	D106		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**]	C6.8
System 8: COATING OVENS, BLDG. WC 902					
OVEN, CURING, 1.5 KW A/N: 408406	D104			**PM**: (9) [**RULE 404, 2-7-1986**]	C6.8
System 9: COATING OVENS, BLDG. WC 202					
OVEN, CURING, 24 KW A/N: 306705	D108			**PM**: (9) [**RULE 404, 2-7-1986**]	C6.8
System 10: COATING OPERATION, BLDG. WC 202					
SPRAY COATING OPERATION, BINKS, MODEL MACH 1, OPEN AIR SPRAY, D46246 A/N: 186570	D17			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]	C1.8, H23.5
System 12: VARIOUS BUILDINGS					
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390077	D206			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]	A63.4, B27.4, C1.12, E175.4, H23.5
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390078	D207			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]	A63.4, B27.4, C1.12, E175.4, H23.5

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE COATING					
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390079	D208			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]	A63.4, B27.4, C1.12, E175.4, H23.5
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390080	D209			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]	A63.4, B27.4, C1.12, E175.4, H23.5
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINKS, HVLP, MACH 1 A/N: 390081	D210			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]	A63.4, B27.4, C1.12, E175.4, H23.5
SPRAY COATING OPERATION, OPEN SPRAY EQUIPMENT, BINK, HVLP, MACH 1 A/N: 390082	D211			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]	A63.4, B27.4, C1.12, E175.4, H23.5
NEGATIVE AIR MACHINE/HEPA FILTER, CREATIVE AUTOMATION, MODEL NO. PEC1000, PORTABLE, WITH NEGATIVE AIR MACHINE - HEPA FILTERS A/N: 436913	C218			**PM**: (9) [**RULE 404, 2-7-1986**]	C6.3, D322.1, E175.2, K67.1
Process 3: INTERNAL COMBUSTION					
System 1: EMERGENCY, BLDG. WC 907					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, R-D14148, WITH INTAKE AIR COOLER, 210 HP A/N: 436914	D35		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	C1.9, K67.10

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 3: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, GENERAC, MODEL 13.3TA, DIESEL FUEL, PORTABLE, WITH AFTERCOOLER, TURBOCHARGER, 240 HP A/N: 436915	D194		NOX: PROCESS UNIT**	**CO**: 8.5 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **NOX**: 6.9 GRAM/BHP-HR DIESEL (4) [**RULE 2005, 5-6-2005**]; **NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM10**: 0.38 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **VOC**: 1 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]	B61.1, C1.9, C1.14, H23.10, K67.10
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, KOHLER, MODEL 35RZ, PROPANE, 82 BHP WITH A/N: 436916	D195	C196	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**: 1.5 GRAM/BHP-HR PROPANE (4) [**RULE 2005, 5-6-2005**]; **NOX**: 139 LBS/1000 GAL PROPANE (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: 1.5 GRAM/BHP-HR PROPANE (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]	C1.9, C1.14, K67.10
NON-SELECTIVE CATALYTIC REDUCTION	C196	D195			
System 2: EMERGENCY, BLDG. WC 203					

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 3: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, WHITE, MODEL D4800, 102 BHP A/N: 314306	D125		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.1, C1.9, C177.1, H23.10, K67.10
System 3: EMERGENCY, BLDG. WC 204					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, PERKINS, MODEL T4236, 83.8 BHP A/N: 390914	D126		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.1, C1.9, C177.1, H23.10, K67.10
System 4: EMERGENCY, BLDG. WC 905					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, CATERPILLAR, MODEL NO. 3508, DIESEL FUEL, PORTABLE, WITH AFTERCOOLER, TURBOCHARGER, 1340 BHP A/N: 436919	D214		NOX: PROCESS UNIT**	**CO**: 8.5 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **NOX**: 6.9 GRAM/BHP-HR DIESEL (4) [**RULE 2005, 5-6-2005**]; **NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM10**: 0.38 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002*]; **VOC**: 1 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002*]	B61.1, C1.9, C1.14, H23.10, K67.10
System 7: EMERGENCY, BLDG. WC 924					

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 3: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, KOHLER POWER SYSTEMS, MODEL 80-RZG, PROPANE, WITH CATALYTIC CONVERTER, JOHNSON MATTHEY, 136 BHP A/N: 436920	D217		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**: 1.5 GRAM/BHP-HR PROPANE (4) [**RULE 2005, 5-6-2005**]; **NOX**: 139 LBS/1000 GAL PROPANE (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: 1.5 GRAM/BHP-HR PROPANE (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]	C1.9, C1.14, K67.10
System 8:					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, JOHN DEERE, MODEL JU6H-UF50, DIESEL FUEL, 210 BHP A/N: 451733	D224		NOX: PROCESS UNIT**	**CO**: 2.6 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **NOX + ROG**: 4.9 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002;* **RULE 2005, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.15 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]	B61.1, C1.9, H23.10, K67.10
Process 4: EXTERNAL COMBUSTION					
System 1: BOILER, BLDG. WC 905					

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 4: EXTERNAL COMBUSTION					
BOILER, NO. 22, DIESEL FUEL, NATURAL GAS, M13930, 5.23 MMBTU/HR A/N: C25174	D36		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV NATURAL GAS (5A) [**RULE 407, 4-2-1982**]; **NOX**: 6.42 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 500 PPMV DIESEL (5) [**RULE 407, 4-2-1982**]	D332.1, D371.1, H23.8
BOILER, NO. 21, DIESEL FUEL, NATURAL GAS, M13931, 5.23 MMBTU/HR A/N: C25175	D37		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV NATURAL GAS (5A) [**RULE 407, 4-2-1982**]; **NOX**: 6.42 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 500 PPMV DIESEL (5) [**RULE 407, 4-2-1982**]	D332.1, D371.1, H23.8

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(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 4: EXTERNAL COMBUSTION					
BOILER, DIESEL FUEL, NATURAL GAS, M25052, 1.26 MMBTU/HR A/N: C35156	D38		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5A) [**RULE 1146.2, 5-5-2006**]; **CO**: 2000 PPMV NATURAL GAS (5) [**RULE 407, 4-2-1982**]; **NOX**: 6.42 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 500 PPMV DIESEL (5) [**RULE 407, 4-2-1982**]	H23.8
System 2: BOILER, BLDG. WC 902					
BOILER, NO. 4, DIESEL FUEL, NATURAL GAS, M18364, 5.325 MMBTU/HR A/N: C23598	D40		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV NATURAL GAS (5A) [**RULE 407, 4-2-1982**]; **NOX**: 6.42 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 500 PPMV DIESEL (5) [**RULE 407, 4-2-1982**]	D332.1, D371.1, H23.8

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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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: EXTERNAL COMBUSTION					
BOILER, NO. 9, DIESEL FUEL, NATURAL GAS, 5.23 MMBTU/HR A/N: 422652	D41		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV NATURAL GAS (5A) [**RULE 407, 4-2-1982**]; **NOX**: 6.42 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 500 PPMV DIESEL (5) [**RULE 407, 4-2-1982**]	D332.1, D371.1, H23.8
BOILER, NO. 10, DIESEL FUEL, NATURAL GAS, 5.23 MMBTU/HR A/N: 422653	D42		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV NATURAL GAS (5A) [**RULE 407, 4-2-1982**]; **NOX**: 6.42 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]; **SOX**: 500 PPMV DIESEL (5) [**RULE 407, 4-2-1982**]	D332.1, D371.1, H23.8

* (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
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FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 4: EXTERNAL COMBUSTION					
BOILER, # 30, NATURAL GAS, WITH LOW NOX BURNER, 5 MMBTU/HR WITH A/N: 259256	D74		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV NATURAL GAS (5A) [**RULE 407, 4-2-1982**]; **NOX**: 47.75 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	D332.1, H23.8
BURNER, NATURAL GAS, RAY HUSKY, MODEL B5167-100-EP, WITH LOW NOX BURNER, 5 MMBTU/HR	E230				
BOILER, NO. 8, NATURAL GAS, WITH LOW EXCESS AIR FIRING, 5 MMBTU/HR WITH A/N: 220655	D113		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 47.75 LBS/MMSCF NATURAL GAS (4) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	D332.1, H23.8
BURNER, NATURAL GAS, CLEAVER BROOKS, MODEL M4S-5000, WITH LOW NOX BURNER, 5 MMBTU/HR					
System 3: BOILER, BLDG. WC 202					

* (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
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FACILITY PERMIT TO OPERATE
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: EXTERNAL COMBUSTION					
BOILER, # 14, NATURAL GAS, 7.5 MMBTU/HR A/N: 180421	D63		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV NATURAL GAS (5A) [**RULE 407, 4-2-1982**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	D332.1, H23.8
Process 5: FABRICATED METALS					
System 2: AUTOCLAVES, BLDG. WC 905					
AUTOCLAVE, NATURAL GAS, D06323, 15.6 MMBTU/HR A/N: 179776	D45		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**]	C1.7, C6.6, D12.1
AUTOCLAVE, NATURAL GAS, D62333, 12.2 MMBTU/HR A/N: 180425	D46		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**]	C1.7, D12.1, D323.2

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: FABRICATED METALS					
AUTOCLAVE, NATURAL GAS, D62334, 12.2 MMBTU/HR A/N: 180424	D47		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**]	C1.7, D12.1, D323.2
AUTOCLAVE, NATURAL GAS, D62335, 8 MMBTU/HR A/N: 180423	D48		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**]	D323.2
AUTOCLAVE, NATURAL GAS, D06324, 7.3 MMBTU/HR A/N: 181597	D24		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**]	C6.6
System 3: ABRASIVE BLASTING					

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: FABRICATED METALS					
ABRASIVE BLASTING, ROOM, WIDTH: 24 FT 3 IN; HEIGHT: 11 FT 2 IN; LENGTH: 24 FT 3 IN WITH A/N: 403707 ABRASIVE BLASTING NOZZLE, 0.375 - 0.5 IN. DIAMETER POT, ABEC, MODEL LBM24HR CYCLONE	D100	C101 C213 C227 C228		**PM**: (9) [**RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986**]	B27.1, B59.2, D323.2
BAGHOUSE, UNITED AIR SPECIALISTS, MODEL FGH12-3, 2712 SQ.FT.; 12 CARTRIDGE A/N: 403707	C101	D100		**PM**: (9) [**RULE 404, 2-7-1986**]	A63.11, C6.7, D322.5, E102.1, H23.13, K67.4
ABRASIVE BLASTING, PORTABLE, COMCO, MODEL NO. DF1200, 0.03 - 0.08 IN. DIA & 0.008 IN. X 0.125 IN. - 0.012 IN. X 0.15 IN. NOZZLES A/N: 372851	D193			**PM**: (9) [**RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986**]	B59.1, D323.2
BAGHOUSE, UNITED AIR SPECIALISTS, MODEL FGH12-3, 2712 SQ.FT.; 12 CARTRIDGE A/N: 403707	C213	D100		**PM**: (9) [**RULE 404, 2-7-1986**]	A63.11, C6.7, D322.5, E102.1, H23.13, K67.4
System 4: BLDG. WC 907					
OVEN, AMC-OV1 A/N: 408407	D185			**PM**: (9) [**RULE 404, 2-7-1986**]	C6.8
TANK, QUENCH, 15 FT. W. X 5 FT. L. X 6 FT.-3 IN. H. A/N: 416729	D216				B27.5, B59.3
System 5: METAL FORMING					

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: FABRICATED METALS					
FORMING MACHINE, METAL TUBE BENDING, EATON LEONARD, MODEL VB30-GL, SERIAL NO. VB 30-109-GL, 20 KW ELECTRICALLY HEATED A/N: 503504	D229				A63.10, B27.6, H23.12
Process 8: RESIN BLENDING					
System 1: BLDG. WC 905					
MIXER, RESIN BLENDING RESEARCH UNIT, W/FUME HOOD, D72824 A/N: 274113	D62			**PM**: (9) [**RULE 404, 2-7-1986; RULE 405, 2-7-1986**]	C1.3
Process 10: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E162				H23.1
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E163				H23.2
RULE 219 EXEMPT EQUIPMENT, SMALL BOILERS, WATER HEATERS AND PROCESS HEATERS, >1 MMBTU/HR AND <= 2 MMBTU/HR	E164			**CO**: 400 PPMV (5A) [**RULE 1146.2, 5-5-2006**]; **CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV (5) [**RULE 1146.2, 5-5-2006**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E165			**PM**: (9) [**RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 404, 2-7-1986; RULE 405, 2-7-1986**]	D322.5, D381.1, E102.1, K67.5
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, SHOT PEENING, AND ANY CONTROL EQUIPMENT	E166			**PM**: (9) [**RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 404, 2-7-1986; RULE 405, 2-7-1986**]	D322.5, D381.1, E102.1, K67.5

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 10: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, PORTABLE, < 66 % VOLUME WATER	E167			**PM**: (9) [**RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986**]	D323.1
RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT	E168			**VOC**: (9) [**RULE 1130, 10-8-1999; RULE 1171, 11-7-2003;** *RULE 1171, 7-14-2006*]	H23.5
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E170			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]	H23.5
RULE 219 EXEMPT EQUIPMENT, SPRAY COATING ENCLOSURES, < 8 FT3 INTERNAL VOLUME	E171			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	H23.4
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E172			**VOC**: (9) [**RULE 1113, 11-8-1996;** *RULE 1113, 7-13-2007;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	K67.2
RULE 219 EXEMPT EQUIPMENT, HAND LAY, BRUSH AND ROLL UP RESIN OPERATIONS	E174			**VOC**: (9) [**RULE 1162, 11-17-2000;** *RULE 1162, 7-8-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	H23.5
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E175			**VOC**: (9) [**RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]; **VOC**: (10) [**40CFR 63 Subpart GG, 12-8-2000**]	H23.5
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E178				H23.6

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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: SURFACE PREPARATION					
System 1: OPEN PROCESS TANKS, BLDG. WC 907					
PROCESS TANK, NO. 80A, DEOXIDIZING, ALDOX V, NITRIC ACID, STEAM HEATED, 3 FT. W. X 6 FT. L. X 3 FT.-6 IN. H. A/N: 365145	D186	C189			B59.3
PROCESS TANK, NO. 82, CHEMICAL CONVERSION, ALODINE 600, UNHEATED, 3 FT. W. X 6 FT. L. X 3 FT.-6 IN. H. A/N: 365145	D187	C189			B59.3
PROCESS TANK, NO. 201MA, ETCHING, AMMONIUM BIFLUORIDE, NITRIC ACID, UNHEATED, 3 FT. W. X 6 FT. L. X 3 FT.-6 IN. H. A/N: 365145	D188	C189			B59.3
SCRUBBER, HARRINGTON, MODEL NO. ECV 44-5, PACKED BED, 4 FT. W. X 5 FT.-11 IN. L. X 14 FT.-3 IN. H. A/N: 393913	C189	D186 D187 D188			A63.11, C8.1, C8.2, H23.13

* (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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION D: DEVICE ID INDEX

Device Index For Section D			
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D6	1	2	1
D7	1	2	1
D8	7	2	2
D9	7	2	2
D10	7	2	2
D11	8	2	2
D12	8	2	3
D13	9	2	4
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D18	9	2	4
D20	11	2	6
C21	12	2	6
D22	12	2	6
D23	12	2	7
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D26	12	2	7
D35	15	3	1
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D37	19	4	1
D38	20	4	1
D40	20	4	2
D41	21	4	2
D42	21	4	2
D45	23	5	2
D46	23	5	2
D47	24	5	2
D48	24	5	2
D62	26	8	1
D63	23	4	3
D74	22	4	2
D97	8	2	3
D98	8	2	3
D100	25	5	3
C101	25	5	3

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION D: DEVICE ID INDEX

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D108	14	2	9
D109	13	2	7
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D112	13	2	7
D113	22	4	2
D114	11	2	6
D125	17	3	2
D126	17	3	3
D128	6	2	1
D129	6	2	1
D131	2	2	1
D132	2	2	1
D134	3	2	1
D135	3	2	1
D137	4	2	1
D138	4	2	1
D140	5	2	1
D141	5	2	1
E162	26	10	0
E163	26	10	0
E164	26	10	0
E165	26	10	0
E166	26	10	0
E167	27	10	0
E168	27	10	0
E170	27	10	0
E171	27	10	0
E172	27	10	0
C173	8	2	3
E174	27	10	0
E175	27	10	0

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
E178	27	10	0
C179	8	2	3
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D185	25	5	4
D186	28	11	1
D187	28	11	1
D188	28	11	1
C189	28	11	1
D190	10	2	5
D193	25	5	3
D194	16	3	1
D195	16	3	1
C196	16	3	1
D201	10	2	5
D202	11	2	5
D206	14	2	12
D207	14	2	12
D208	15	2	12
D209	15	2	12
D210	15	2	12
D211	15	2	12
C213	25	5	3
D214	17	3	4
D216	25	5	4
D217	18	3	7
C218	15	2	12
D219	6	2	1
D220	2	2	1
D221	3	2	1
D222	4	2	1
D223	5	2	1
D224	18	3	8
D229	26	5	5
E230	22	4	2

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

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

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

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

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

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

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

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

[RULE 431.2, 9-15-2000]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[**40CFR 68 - Accidental Release Prevention, 5-24-1996**]

F58.1 For the purposes of monitoring, recording, and reporting under RECLAIM, portable internal combustion engine(s) operated at this facility shall be monitored by a non-resettable timer to accurately indicate the elapsed operating time of the equipment unless monitored by a fuel meter meeting the following requirements:

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

1. The devices served by the fuel meters shall be electrically wired in such a manner that their operation cannot be initiated without the fuel meters first being activated.

2. The fuel meters and temperature transducers shall be calibrated annually by the manufacturer, KRAL-USA, Inc. or their designated representative. Dual fuel meters shall be calibrated on the same day, using the same equipment. The fuel meters shall be calibrated as specified by KRAL-USA, Inc. in the protocols submitted to the South Coast Air Quality Management District dated July 17, 2001 without deviation unless written approval is granted.

3. The calculations of electronic flow computers, for display of flow measurement results, shall be verified at the time of the fuel meter calibration by KRAL-USA, Inc. or their designated representative. Calibration results shall be maintained at the facility for a minimum of three years after the date of calibration and made available to District personnel upon request.

4. The fuel meters and its electronic components shall be sealed by the manufacturer, KRAL-USA, Inc., or their designated representative. Such seal shall only be broken by the manufacturer, or their designated representative, for testing, maintenance or repair purposes. The fuel meter shall be re-sealed immediately after the completion of the test or repair.

5. A maintenance log shall be maintained to record every testing, maintenance, repair or calibration of a fuel meter. Each log shall be positively identified for each fuel meter and the device it serves. The log shall be kept at the facility for a minimum of three years after the end of each compliance year and made available to District personnel upon request.

6. The fuel meters shall not be equipped with keypad or buttons that allow changes to the programming or data contained in the units. A portable keypad may be used by the manufacturer, or their representative, for testing, maintenance, or repair purposes. In addition, access to the program and data contained in the units shall be passcode protected. This passcode shall only be made available to the manufacturer, or their designated representative.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

DEVICE CONDITIONS

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
Formaldehyde	Less than or equal to 0.7 LBS IN ANY ONE MONTH

[RULE 1401, 3-17-2000]

[Devices subject to this condition : D190]

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 364 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from coatings and solvents applied in D5 - D11, D128, D131, D134, D137, D140, D190, D206, D207, D208, D209, D210, and D211.

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

[Devices subject to this condition : D5, D6, D7, D8, D9, D10, D11, D128, D131, D134, D137, D140, D190, D206, D207, D208, D209, D210, D211]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 or equal to 25 LBS IN ANY ONE DAY

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

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

[Devices subject to this condition : D5, D6, D7, D9, D12, D190]

A63.7 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 100 LBS IN ANY ONE DAY

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

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

[Devices subject to this condition : D8, D10, D11, D131, D134, D137, D140]

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 12 LBS IN ANY ONE DAY

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

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

[Devices subject to this condition : D13, D18]

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 50 LBS IN ANY ONE DAY

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

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

[Devices subject to this condition : D128]

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 0.5 LBS IN ANY ONE DAY

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

The operator shall mainatin daily records in a manner acceptable to the District to demonstrate compliance with this condition

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

[Devices subject to this condition : D229]

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

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

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C101, C189, C213]

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 : D100]

B27.2 The operator shall not use materials containing any toxic air contaminants (TAC) identified in the SCAQMD Rule 1401, as amended 13-aug-1999.

[RULE 1401, 8-13-1999]

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

[Devices subject to this condition : D184]

B27.4 The operator shall not use materials, except those containing hexavalent chromium, xylene and ethyl benzene, containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 15-jun-2001.

[RULE 1401, 6-15-2001]

[Devices subject to this condition : D206, D207, D208, D209, D210, D211]

B27.5 The operator shall not use materials, except ethylene oxide and propylene oxide containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 05/03/2002.

[RULE 1401, 5-3-2002]

[Devices subject to this condition : D216]

B27.6 The operator shall not use materials, with the exception of methyl ethyl ketone, xylene, toluene, siopropyl alcohol, methanol and ethyl benzene containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 06/05/2009.

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D229]

B59.1 The operator shall only use the following material(s) in this device :

Aluminum oxide type abrasives.

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

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

[Devices subject to this condition : D193]

B59.2 The operator shall only use the following material(s) in this device :

Aluminum oxide abrasives.

Non-toxic organic abrasives.

Plastic media abrasives.

Foam-covered aluminum oxide abrasives.

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

[Devices subject to this condition : D100]

B59.3 The operator shall not use the following material(s) in this device :

VOC-containing materials.

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

[Devices subject to this condition : D184, D186, D187, D188, D216]

B61.1 The operator shall not use diesel fuel containing the following specified compounds:

Compound	ppm by weight
Sulfur greater than	15

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

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D125, D126, D194, D214, D224]

B89.1 The operator shall not use coatings (as applied) with VOC content greater than 1.3 pounds per gallon, less water and exempt compounds.

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

[Devices subject to this condition : D23]

C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the material processed to no more than 0.5 gallons per day.

For the purpose of this condition, material processed shall be defined as coatings and solvents applied to articles baked/cured in this oven.

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

[Devices subject to this condition : D23]

C1.3 The operator shall limit the material processed to no more than 2 gallons per day.

For the purpose of this condition, material processed shall be defined as total materials mixed.

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

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

[Devices subject to this condition : D62]

C1.5 The operator shall limit the material processed to no more than 3.5 gallons per day.

For the purpose of this condition, material processed shall be defined as coating and solvent usage, excluding exempt solvents.

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

[Devices subject to this condition : D13]

C1.7 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 : D45, D46, D47]

C1.8 The operator shall limit the coating and solvent usage to no more than 5 gallon(s) per day.

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

[Devices subject to this condition : D17]

C1.9 The operator shall limit the operation to no more than 200 hour(s) in any one year.

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

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

[**RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2005, 5-6-2005**]

[Devices subject to this condition : D35, D125, D126, D194, D195, D214, D217, D224]

C1.10 The operator shall limit the material processed to no more than 8 gallon(s) per day.

For the purpose of this condition, material processed shall be defined as ceramic coatings.

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

[Devices subject to this condition : D184]

C1.11 The operator shall limit the material processed to no more than 388 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as hexavalent chromium sprayed in this equipment.

To comply with this condition, the operator shall determine the amount of hexavalent chromium sprayed as follows: (amount of coating used) x (density of coating) x (percentage of chromate compound) x (ratio of the molecular weight of hexavalent chromium to the molecular weight of the chromate compound).

[RULE 1401, 3-17-2000]

[Devices subject to this condition : D190]

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

C1.12 The operator shall limit the coating and solvent usage to no more than 2 gallon(s) per year.

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

[Devices subject to this condition : D206, D207, D208, D209, D210, D211]

C1.14 The operator shall limit the operating time to no more than 50 hour(s) in any one year.

For the purpose of this condition, operating time shall be defined as maintenance and testing hours only.

Operation beyond 50 hours per year for maintenance and testing is allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage provided that: 1) the elctrical grid operator or the electric utility has ordered rotating outages in the control area where the engine is located or has indicated that it expexts to issue such an order at a certain time; and 2) 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 advices that a rotating outage is no longer imminent or in effect.

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

[Devices subject to this condition : D194, D195, D214, D217]

C1.16 The operator shall limit the natural gas fuel usage to no more than 25000000 cubic feet per year.

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

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

[**RULE 1304(d)- Facility Exemption, 6-14-1996**]

[Devices subject to this condition : D129, D132, D135, D138, D141]

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

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

[Devices subject to this condition : D184]

C6.3 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 2 inches water column.

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

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

[Devices subject to this condition : D13, C218]

C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 240 Deg F.

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

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

The operator shall determine and record the parameter being monitored once every 1 days.

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

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

[Devices subject to this condition : D20, D23]

C6.6 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 780 Deg F.

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

The operator shall determine and record the parameter being monitored once every 1 days.

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

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

[Devices subject to this condition : D24, D45]

C6.7 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 6 inches water column.

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

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

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

[Devices subject to this condition : C101, C213]

C6.8 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 oven.

The operator shall determine and record the parameter being monitored once every 1 days.

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

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

[Devices subject to this condition : D104, D106, D107, D108, D109, D111, D112, D185]

C6.9 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 250 Deg F.

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

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

The operator shall determine and record the parameter being monitored once every 1 days.

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

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

[Devices subject to this condition : D129, D132, D135, D138, D141]

C6.10 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 1600 Deg F.

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

The operator shall determine and record the parameter being monitored once every 1 days.

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

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

[Devices subject to this condition : D110]

C8.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 8 of the pH scale.

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

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH in the circulating scrubbing solution.

The operator shall determine and record the parameter being monitored once every 1 days.

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

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

[Devices subject to this condition : C189]

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 circulating scrubbing solution.

The operator shall determine and record the parameter being monitored once every 1 days.

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

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

[Devices subject to this condition : C189]

C177.1 The operator shall set and maintain the fuel injection timing of the engine at 4 degrees retarded relative to standard timing.

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

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

[Devices subject to this condition : D125, D126]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

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

[Devices subject to this condition : D45, D46, D47, D129, D132, D135, D138, D141]

D322.1 The operator shall perform a weekly inspection of the equipment and the HEPA filters or second stage filter/HEPA filter conbinations 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 : D5, D6, D7, D8, D9, D10, D11, D12, D13, D128, D131, D134, D137, D140, D190, C218]

D322.3 The operator shall perform a weekly inspection of the equipment and water curtain integrity.

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

[Devices subject to this condition : D18]

D322.5 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

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

[Devices subject to this condition : C101, E165, E166, C213]

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

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

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

3). Date and time visible emission was abated; and

4). All visible emission observation records by operator or a certified smoke reader.

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

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

[Devices subject to this condition : C21, E167]

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

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected 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.

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

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

[Devices subject to this condition : D20, D26, D46, D47, D48, D100, D114, D193]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D36, D37, D40, D41, D42, D63, D74, D113]

D332.2 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146.1 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D202]

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

D371.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever this equipment has combusted one million gallons of diesel fuel, to be counted cumulatively over a five year period. The 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:

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 working days (or during the next fuel oil firing period if the unit ceases firing on fuel oil within the three working day time frame) and report any deviations to AQMD.

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

a). Stack or emission point identification;

b). Description of any corrective actions taken to abate visible emissions;

c). Date and time visible emission was abated; and

d). Visible emission observation record by a certified smoke reader.

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

[Devices subject to this condition : D36, D37, D40, D41, D42]

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

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

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

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions; and

3). Date and time visible emission was abated.

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

[Devices subject to this condition : E165, E166]

E. Equipment Operation/Construction Requirements

E71.1 The operator shall only use this equipment for metallizing processes.

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

[Devices subject to this condition : D18]

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E71.3 The operator shall only operate this equipment if the exhaust fan of this equipment is operating at 10,000 scfm or greater. If the exhaust fan is repaired, modified or replaced, the operator shall conduct tests to determine the exhaust flow rate.

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

[Devices subject to this condition : D5, D6, D7, D9, D190]

E71.4 The operator shall only operate this equipment if the exhaust fan of this equipment is operating at 60,000 scfm or greater. If the exhaust fan is repaired, modified or replaced, the operator shall conduct tests to determine the exhaust flow rate.

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

[Devices subject to this condition : D8, D10, D11, D131, D134, D137, D140]

E71.6 The operator shall only operate this equipment if the exhaust fan of this equipment is operating at 30,000 scfm or greater. If the exhaust fan is repaired, modified or replaced, the operator shall conduct tests to determine the exhaust flow rate.

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

[Devices subject to this condition : D128]

E71.7 The operator shall not operate this equipment if both the bake burner and intake air burner are firing simulataneously. The two burners shall be interlocked together such that they can not operate simultaneously.

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

[Devices subject to this condition : D129, D132, D135, D138, D141]

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E71.8 The operator shall only use this equipment if a differential pressure gauge is installed and maintained to accurately indicate the differential pressure across the first or first/second stage filters.

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

[Devices subject to this condition : D5, D6, D7, D10, D11, D12, D190]

E71.9 The operator shall only use this equipment if a differential pressure gauge is installed and maintained to accurately indicate the differential pressure across the standard exhaust filters.

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

[Devices subject to this condition : D8, D9, D128, D131, D134, D137, D140]

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

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

[Devices subject to this condition : C101, E165, E166, C213]

E145.1 The operator shall ensure that the water curtain completely covers the exhaust section .

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

[Devices subject to this condition : D18]

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

E153.1 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough shall be defined as the transfer of 457 gallons of resin through the vacuum pump.

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

[Devices subject to this condition : D97, D98, C173, C179]

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

HEPA filters designed with a 99.97 percent control efficiency for a particulate size of 4 microns or greater.

[RULE 1401, 12-7-1990; **40CFR 63 Subpart GG, 12-8-2000**]

[Devices subject to this condition : C218]

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

NESHAP three-stage filters

[**40CFR 63 Subpart GG, 12-8-2000**]

[Devices subject to this condition : D184]

E175.4 The operator shall not use this equipment unless all exhaust air passes through the following:

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

Portable Air Pollution Control Equipment (PAPCE) which is equipped with three-stage HEPA filters designed with a 99.97 percent control efficiency for a particulate size of 4 microns or greater.

[RULE 1401, 6-15-2001]

[Devices subject to this condition : D206, D207, D208, D209, D210, D211]

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

A single stage of HEPA filters individually DOP tested with 0.3 micron particulates and ceritifed to have a control efficiency of not less than 99.97%.

[RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D5, D6, D7, D8, D9, D10, D11, D12, D128, D131, D134, D137, D140, D190]

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

A single stage of HEPA filters individually DOP tested (or equivalent) with 0.3 micron particulates and certified to have a control efficiency of not less than 99.97%, as required by AQMD Rule 1469.1.

[**RULE 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 : D13]

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

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

A monitoring and recording system shall be installed and maintained to continuously measure and record the static pressure differential across the HEPA filter, in inches of water, while this equipment is in operation.

Whenever the static pressure differential being monitored reaches 2.0 inches of water, the operator shall cease operation and not resume operation of this equipment unless all necessary corrective measures are taken to maintain the pressure differential below 2.0 inches of water, or the HEPA filter is replaced.

Whenever a HEPA filter changeout occurs, the static pressure differential, in inches of water, shall be measured and recorded. Whenever the pressure differential being monitored falls below 80% of the pressure differential reading for the new HEPA filter, the equipment shall cease operation and not resume operation until the HEPA filter is inspected and it is confirmed that the HEPA filter is in good operating condition and all exhaust air is passing through the HEPA filter.

Records shall be kept of the static pressure differential readings in inches of water, date of shutdown as the result of pressure differential reading below or above the required limits, description of inspection findings and corrective measures taken, and date and time of HEPA filter replacement.

All records required by this permit shall be kept in a format acceptable to the District, kept at least five years and made available to District personnel upon request.

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

[Devices subject to this condition : D5, D6, D7, D8, D9, D10, D11, D12, D128, D131, D134, D137, D140, D190]

H. Applicable Rules

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

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

[RULE 1415, 10-14-1994; **40CFR 82 Subpart F, 5-14-1993**]

[Devices subject to this condition : E160, E162]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404
Chromium, Hexavalent	40CFR63, SUBPART	Q

[RULE 1404, 4-6-1990; **40CFR 63 Subpart Q, 9-8-1994**]

[Devices subject to this condition : E163]

H23.4 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

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

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

[Devices subject to this condition : D5, D6, D7, D8, D9, D10, D11, D12, D13, D128, D131, D134, D137, D140, E171, D184, D190]

H23.5 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 : D17, E168, E170, E174, E175, D206, D207, D208, D209, D210, D211]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E178]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart

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

HAPs	40CFR63, SUBPART	DDDDD

[**40CFR 63 Subpart DDDDD, 9-13-2004**]

[Devices subject to this condition : D36, D37, D38, D40, D41, D42, D63, D74, D113, D201, D202]

H23.9 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Rule 1401 compounds	District Rule	1401

The operator shall comply with all requirements specified in Appendix B of this Facility Permit under Rule 1401, 3-4-2005.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D190]

H23.10 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Sulfur compounds	District Rule	431.2
PM	District Rule	1470

[RULE 1470, 6-1-2007; **RULE 431.2, 5-4-1990;** RULE 431.2, 9-15-2000]

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

[Devices subject to this condition : D125, D126, D194, D214, D224]

H23.11 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1469.1

[RULE 1469.1, 3-4-2005]

[Devices subject to this condition : D13, D190]

H23.12 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	442

[**RULE 442, 12-15-2000**]

[Devices subject to this condition : D229]

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : C101, C189, C213]

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):

Name of person conducting inspection and maintenance of the filter media.

Date, time and results of inspection.

Date, time and description of repairs made.

Weekly record of pressure drop across the filter media.

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

[Devices subject to this condition : D5, D6, D7, D8, D9, D10, D11, D12, D13, D128, D131, D134, D137, D140, D190, C218]

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

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

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

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

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

[Devices subject to this condition : E172]

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

Name of person conducting inspection and maintenance of the filter media.

Date, time and results of inspection.

Date, time and description of repairs made.

Daily record of pressure drop across the filter media.

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

[Devices subject to this condition : C101, C213]

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

Name of person conducting inspection and maintenance of the filter media.

Date, time and results of inspection.

Date, time and description of repairs made.

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

[Devices subject to this condition : E165, E166]

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

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

Name of person conducting inspection and maintenance of the filter media.

Date, time and results of inspection.

Date, time and description of repairs made.

Weekly record of pressure drop across the filter media.

Daily quantity of ceramic coatings sprayed.

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

[Devices subject to this condition : D184]

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

Name of person conducting inspection and maintenance of the water curtain.

Date, time and results of inspection.

Date, time and description of repairs made.

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

[Devices subject to this condition : D18]

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

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

Gallons of resin transfered through the vacuum pump.

Date of carbon replacement.

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

[Devices subject to this condition : D97, D98, C173, C179]

K67.10 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. These logs shall be kept and maintained on file for a minimum of five years and made available to District personnel upon request.

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

[Devices subject to this condition : D35, D125, D126, D194, D195, D214, D217, D224]

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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]

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SECTION E: ADMINISTRATIVE CONDITIONS

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]

   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 NOx 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]

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SECTION E: ADMINISTRATIVE CONDITIONS

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 NOx RECLAIM sources and Table 2 of Rule 2001 for SOx RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NOx or SOx 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 NOx or SOx source, respectively. [2001]

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.

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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.

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SECTION E: ADMINISTRATIVE CONDITIONS

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]

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]

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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:

Not Applicable

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]

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]

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

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]

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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 NOx or SOx 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]

NOx Reporting Requirements

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

Not Applicable

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

1. Electronically report the calculated quarterly NOx emissions for each NOx 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

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: FABRICATED METALS					
System 2: AUTOCLAVES, BLDG. WC 905					
AUTOCLAVE, 75 FT. L. X 15 FT. H., NATURAL GAS, WITH LOW NOX BURNER, 24.3 MMBTU/HR WITH A/N: 504172 Permit to Construct Issued: 03/23/10 BURNER, NATURAL GAS, MAXON, MODEL KINEDIZER LE, WITH LOW NOX BURNER, 24.3 MMBTU/HR	D225		NOX: PROCESS UNIT**	**CO**: 50 PPMV NATURAL GAS (4) [**RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **CO**: 2000 PPMV NATURAL GAS (5) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV NATURAL GAS (3) [**RULE 2012, 5-6-2005**]; **NOX**: 30 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF NATURAL GAS (5) [**RULE 409, 8-7-1981**]	C1.7, C1.17, D12.1, D28.3, D323.2, D328.1, K40.1
System 3: ABRASIVE BLASTING					
BAGHOUSE, UNITED AIR SPECIALISTS, MODEL NO. MCB-09-10-H, TWELVE 12" DIA. X 39" L., CARTRIDGE FILTERS, 4,080 SQ. FT. TOTAL FILTER AREA, ONE 10 HP BLOWER A/N: 502552 Permit to Construct Issued: 12/29/09	C227	D100		**PM10**: (9) [**RULE 404, 2-7-1986**]	A63.11, C6.7, D322.5, E102.1, H23.13, 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.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: FABRICATED METALS					
BAGHOUSE, UNITED AIR SPECIALISTS, MODEL NO. SFC4-2-DD, FOUR 13" DIA. X 26" L., CARTRIDGE FILTERS, 1,020 SQ. FT. TOTAL FILTER AREA, ONE 7.5 HP BLOWER A/N: 502553 Permit to Construct Issued: 12/29/09	C228	D100		**PM10**: (9) [**RULE 404, 2-7-1986**]	A63.11, C6.7, D322.5, E102.1, H23.13, 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.

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SECTION H: DEVICE ID INDEX

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

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SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	**Section H Page No.**	**Process**	**System**
D225	1	5	2
C227	1	5	3
C228	2	5	3

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

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

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

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

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

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

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

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

[RULE 431.2, 9-15-2000]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[**40CFR 68 - Accidental Release Prevention, 5-24-1996**]

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

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

F58.1 For the purposes of monitoring, recording, and reporting under RECLAIM, portable internal combustion engine(s) operated at this facility shall be monitored by a non-resettable timer to accurately indicate the elapsed operating time of the equipment unless monitored by a fuel meter meeting the following requirements:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

1. The devices served by the fuel meters shall be electrically wired in such a manner that their operation cannot be initiated without the fuel meters first being activated.

2. The fuel meters and temperature transducers shall be calibrated annually by the manufacturer, KRAL-USA, Inc. or their designated representative. Dual fuel meters shall be calibrated on the same day, using the same equipment. The fuel meters shall be calibrated as specified by KRAL-USA, Inc. in the protocols submitted to the South Coast Air Quality Management District dated July 17, 2001 without deviation unless written approval is granted.

3. The calculations of electronic flow computers, for display of flow measurement results, shall be verified at the time of the fuel meter calibration by KRAL-USA, Inc. or their designated representative. Calibration results shall be maintained at the facility for a minimum of three years after the date of calibration and made available to District personnel upon request.

4. The fuel meters and its electronic components shall be sealed by the manufacturer, KRAL-USA, Inc., or their designated representative. Such seal shall only be broken by the manufacturer, or their designated representative, for testing, maintenance or repair purposes. The fuel meter shall be re-sealed immediately after the completion of the test or repair.

5. A maintenance log shall be maintained to record every testing, maintenance, repair or calibration of a fuel meter. Each log shall be positively identified for each fuel meter and the device it serves. The log shall be kept at the facility for a minimum of three years after the end of each compliance year and made available to District personnel upon request.

6. The fuel meters shall not be equipped with keypad or buttons that allow changes to the programming or data contained in the units. A portable keypad may be used by the manufacturer, or their representative, for testing, maintenance, or repair purposes. In addition, access to the program and data contained in the units shall be passcode protected. This passcode shall only be made available to the manufacturer, or their designated representative.

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

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

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

DEVICE CONDITIONS

A. Emission Limits

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

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

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C227, C228]

C. Throughput or Operating Parameter Limits

C1.7 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 : D225]

C1.17 The operator shall limit the heat input to no more than 8.658 MM cubic feet in any one calendar month.

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

[Devices subject to this condition : D225]

C6.7 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 6 inches water column.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

[Devices subject to this condition : C227, C228]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

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

[Devices subject to this condition : D225]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

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

The test shall be conducted within 90 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted pursuant to a source test protocol that shall be submitted to the District no later than 60 days after the initial start-up of this equipment unless otherwise approved by the District. The protocol shall be approved in writing by the District before the test commences, include completed District forms ST-1 and ST-2, identify the testing lab, include a statement from the lab certifying it meets District Rule 304(k) and include a description of the sampling and analytical procedures to be used.

The test shall be conducted to determine oxides of nitrogen, carbon monoxide, volatile organic compounds, oxygen content, moisture content, flow rate and temperature at the exhaust of the autoclave.

The District shall be notified of the date and time of the test at least 14 days prior to the test.

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

The test shall be conducted using sampling facilities that comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

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

[Devices subject to this condition : D225]

D322.5 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 : C227, C228]

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

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

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

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

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

3). Date and time visible emission was abated; and

4). All visible emission observation records by operator or a certified smoke reader.

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

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

[Devices subject to this condition : D225]

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 the CO limit(s). 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 : D225]

E. Equipment Operation/Construction Requirements

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

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

[Devices subject to this condition : C227, C228]

H. Applicable Rules

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C227, C228]

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

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

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

[Devices subject to this condition : D225]

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

Name of person conducting inspection and maintenance of the filter media.

Date, time and results of inspection.

Date, time and description of repairs made.

Daily record of pressure drop across the filter media.

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

[Devices subject to this condition : C227, C228]

FACILITY PERMIT TO OPERATE
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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 specified below. The operator shall comply with all conditions specified in the approval of these plans, with the following exceptions:

a. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) which become effective after December 31, 1993.

b. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) after the facility has received final certification of all monitoring and reporting requirements specified in Section F and Section G.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
365477	1415
422769	1415

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.

FACILITY PERMIT TO OPERATE
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SECTION J: AIR TOXICS
[40CFR 63 Subpart GG 03-27-1998]

Emission Limits

63.745 Standards - Primer and topcoat application operations
63.747 Standards - Chemical milling maskant application operations

Coatings and chemical milling maskants applied to aerospace parts without VOC/organic HAP air pollution control equipment shall comply with the following limits.

Coating Type	Organic HAP limits (g/l) (less water)	VOC limit (g/l) (less water/exempt solvents)
Primer	350	350
Topcoats	420	420
Self-priming Topcoats	420	420
Chemical Milling Maskant Type I	622	622
Chemical Milling Maskant Type II	160	160

General Requirements

1. The operator shall comply with all applicable requirements of this subpart and of Subpart A - General Provisions by the date(s) specified in these subparts.
2. The operator shall keep all records to demonstrate compliance with all applicable requirements of this subpart and Subpart A. All records including data, calculations and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.
3. Alternative plans, compliance plans and the construction and operation of new or modified air pollution control equipment which are required by the this subpart shall be approved through the AQMD permit system.
4. The operator of a facility using any HAP-containing chemicals or control equipment venting such chemicals, that are required by this subpart to conduct chemical analyses and/or performance testing, shall submit a protocol to the AQMD for approval of no less than 60 days prior to testing. The tests shall be conducted in accordance with EPA test methods and procedures.

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SECTION J: AIR TOXICS
[40CFR 63 Subpart GG 12-08-2000]

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR AEROSPACE MANUFACTURING AND REWORK FACILITIES

1. The operator shall comply with all applicable requirements of 40 CFR 63, Subpart GG and of 40 CFR 63, Subpart A - General Provisions by the compliance date(s) specified in these subparts.

2. The operator shall conduct all cleaning operations pursuant to all applicable requirements specified in Section 63.744.

3. The operator shall comply with all applicable requirements of Sections 63.745 and 63.747 for all primer, topcoat, and chemical milling maskant application operations. Primers, topcoats, and chemical milling maskants that are applied to aerospace parts without being vented to a control system shall comply with the following limits.

Coating Type	Organic HAP Limits (g/l) (less water)	VOC Limit (g/l) (less water/exempt solvents)
Primer	350	350
Topcoats	420	420
Self-priming Topcoats	420	420
Chemical Milling Maskant Type I	622	622
Chemical Milling Maskant Type II	160	160

For primer, topcoat, and chemical milling maskant application operations that are vented to a control system, each control system shall reduce the operation's organic HAP and VOC emissions to the atmosphere by 81% or greater, taking into account capture and destruction or removal efficiencies, as determined using the procedures in Section 63.750(g) when a carbon adsorber is used and in Section 63.750(h) when a control device other than a carbon adsorber is used.

4. The operator shall comply with all applicable requirements of Section 63.746 for all depainting operations.

5. The operator shall conduct the handling and transfer of the waste to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills pursuant to Section 63.748.

6. The operator shall comply with all applicable requirements of this subpart by the compliance dates specified in Section 63.749.

FACILITY PERMIT TO OPERATE
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SECTION J: AIR TOXICS
[40CFR 63 Subpart GG 12-08-2000]

7. The operator of a facility using any HAP-containing chemicals or control equipment venting such chemicals, that are required by this subpart to conduct chemical analyses and/or performance testing, shall submit a protocol to the AQMD for approval of no less than 60 days prior to testing. The tests shall be conducted in accordance with the test methods and procedures specified in Section 63.750.

8. The operator shall comply with all applicable monitoring requirements specified in Section 63.751.

9. The operator shall keep all records pursuant to Section 63.752 of this subpart and Subpart A to demonstrate compliance with all applicable requirements. All records including data, calculations and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.

10. The operator shall submit all reports, notifications, plans, submittals and other communications required by Section 63.753 of this subpart or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).

11. Alternative plans, compliance plans, and the construction and operation of new or modified air pollution control equipment that are required by this subpart shall be approved through the AQMD permit system.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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 this 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)]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

SECTION K: TITLE V Administration

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.

   (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)]

FACILITY PERMIT TO OPERATE
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SECTION K: TITLE V Administration

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)]

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)]

FACILITY PERMIT TO OPERATE
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SECTION K: TITLE V Administration

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 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)]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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EMERGENCY PROVISIONS

17. An emergency[1] constitutes an affirmative defense to an action brought for noncompliance 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]

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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.

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NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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.

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(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.

(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;

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(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)]

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 TitleV application file. [3004(a)(4)]

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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 1107	1-6-2006	Non federally enforceable
RULE 1107	11-9-2001	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 1130	10-8-1999	Federally enforceable
RULE 1132(h)(2) - Exemptions	3-5-2004	Federally enforceable
RULE 1132(h)(2) - Exemptions	5-7-2004	Non federally enforceable
RULE 1136	6-14-1996	Federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1145	12-3-2004	Non federally enforceable
RULE 1145	2-14-1997	Federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146	9-5-2008	Non federally enforceable
RULE 1146.1	5-13-1994	Federally enforceable
RULE 1146.1	9-5-2008	Non federally enforceable
RULE 1146.2	5-5-2006	Federally enforceable
RULE 1151	12-11-1998	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1151	12-2-2005	Non federally enforceable
RULE 1155	12-4-2009	Non federally enforceable
RULE 1162	11-17-2000	Federally enforceable
RULE 1162	7-8-2005	Non federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non 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)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1401	12-7-1990	Non federally enforceable
RULE 1401	3-17-2000	Non federally enforceable
RULE 1401	3-4-2005	Non federally enforceable
RULE 1401	5-3-2002	Non federally enforceable
RULE 1401	6-5-2009	Non federally enforceable
RULE 1401	8-13-1999	Non federally enforceable
RULE 1404	4-6-1990	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 1418	9-10-1999	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
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
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 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 63 Subpart DDDDD	9-13-2004	Federally enforceable
40CFR 63 Subpart GG	12-8-2000	Federally enforceable
40CFR 63 Subpart GG	3-27-1998	Federally enforceable
40CFR 63 Subpart Q	9-8-1994	Federally enforceable
40CFR 68 - Accidental Release Prevention	5-24-1996	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP, AIRCRAFT DIV

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

1. LABORATORY EQUIPMENT, NATURAL GAS
2. AUTOCLAVES, NATURAL GAS
3. WELDING EQUIPMENT, ACETYLENE
4. I.C. ENGINES, GASOLINE
5. I.C. ENGINES, PROPANE
6. I.C. ENGINES, DIESEL
7. SPACE HEATERS, NATURAL GAS
8. WATER HEATERS, NATURAL GAS
9. UNIT HEATERS, NATURAL GAS
10. GRIDDLE, NATURAL GAS
11. COOKING FRYERS, NATURAL GAS
12. COOKING OVEN, NATURAL GAS
13. COOKING RANGE, NATURAL GAS
14. HOT PLATE, NATURAL GAS
15. ENVIRONMENTAL CONTROL FURNACE, NATURAL GAS
16. PROCESS OVENS, NATURAL GAS

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 01-06-2006]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

VOC LIMITS Less Water and Less Exempt Compounds Effective Dates								
Coating	**Air-Dried**				**Baked**			
	gm/l		**lb/gal**		**gm/l**		**lb/gal**	
	Current	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 01-06-2006]

VOC LIMITS Less Water and Less Exempt Compounds Effective Dates, cont.								
Coating	**Air-Dried**				**Baked**			
	gm/l		**lb/gal**		**gm/l**		**lb/gal**	
	Current	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 01-06-2006]

(2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 11-09-2001]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

VOC LIMITS Less Water and Less Exempt Compounds Effective Dates								
Coating	**Air-Dried**				**Baked**			
	gm/l		**lb/gal**		**gm/l**		**lb/gal**	
	Current	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 11-09-2001]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

VOC LIMITS Less Water and Less Exempt Compounds Effective Dates								
Coating	**Air-Dried**				**Baked**			
	gm/l		**lb/gal**		**gm/l**		**lb/gal**	
	Current	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1107 11-09-2001]

VOC LIMITS Less Water and Less Exempt Compounds Effective Dates, cont.								
Coating	**Air-Dried**				**Baked**			
	gm/l		**lb/gal**		**gm/l**		**lb/gal**	
	Current	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**	**Current**	**7/1/07**
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

(2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 11-08-1996]

(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				100		50
Graphic Arts (Sign) Coatings	500						

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 11-08-1996]

Industrial Maintenance 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 Coatings	350	700		350			
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 Undercoaters	350						
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

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]

(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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]
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		

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]

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
Nonflat High Gloss	250		150				50	
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 Concrete/Masonry Sealers	400					100		
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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 07-13-2007]

TABLE OF STANDARDS (cont.)
VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1124 09-21-2001]

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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1124 09-21-2001]

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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1124 09-21-2001]

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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1124 09-21-2001]

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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1130 10-08-1999]

(Amended October 8, 1999)

RULE 1130. GRAPHIC ARTS

Except as otherwise provided in Rule 1130

(1) VOC Content of Graphic Arts Materials

The operator shall not apply any graphic arts material, including any VOC-containing materials added to the original graphic arts materials, which contains a total VOC in excess of the limits specified below:

GRAPHIC ARTS MATERIAL	VOC LIMIT Grams per Liter of Coating (or Ink or Adhesive), Less Water and Less Exempt Compounds	
	(October 8, 1999)	Effective January 1, 2000
Lithographic Ink	300	300
Letterpress Ink	300	300
Gravure Ink	300	300
Flexographic Ink Non-Porous Substrate	300	300
Flexographic Ink Porous Substrate	300	225
Flexographic Fluorescent Ink	300	300
Coating	300	300
Adhesive	300	150

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NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1130 10-08-1999]

(2) VOC Content of Fountain Solution

Through December 31, 1999, the operator shall not apply in any graphic arts operation any fountain solution, including any VOC-containing materials added to the original fountain solution, which contains a total VOC in excess of 100 grams per liter of material. Effective January 1, 2000, the VOC content of fountain solution, including any VOC containing material added to the original fountain solution as applied, shall be:

(A) no greater than 80 grams per liter of material, or

(B) no greater than 100 grams per liter of material, if a refrigerated chiller is used.

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NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1136 06-14-1996]

Except as otherwise provided in Rule 1136

(a) The operator shall not apply any coating to a wood product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified below:

(1)

VOC LIMITS
Grams Per Liter (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

COATING	Current Limit I	Current Limit II	On and After 7/1/2005
Clear Sealers	550 (4.6) [1.39]	680 (5.7) [3.36]	275 (2.3) [0.36]
Clear Topcoat	550 (4.6) [1.37]	275 (2.3) [0.35]	275 (2.3) [0.35]
Pigmented Primers, Sealers & Undercoats	550 (4.6) [1.06]	600 (5.0) [1.08]	275 (2.3) [0.21]
Pigmented Topcoats	550 (4.6) [1.10]	275 (2.3) [0.25]	275 (2.3) [0.25]

The operator shall use coatings on a wood product that comply with either all VOC limits in column I or all VOC limits in column II. The operator that applies a primer, sealer or undercoat, but not a topcoat, to a wood product, shall be subject to column I for that wood product.

(2) Notwithstanding the requirements of clause (a)(1), an operator that applies a topcoat and a primer, sealer or undercoat to a shutter may, until July 1, 2005, choose to comply with the VOC limits specified below for that shutter:

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1136 06-14-1996]

VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

COATING	
Clear Sealers	275 (2.3) [0.36]
Clear Topcoat	680 (5.7) [2.99]
Pigmented Primers, Sealers & Undercoats	275 (2.3) [0.33]
Pigmented Topcoats	600 (5.0) [1.38]

(3)

VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

COATING	Current Limit	On and After 7/1/2005
Barrier Coat - Plastic Components	760 (6.3) [3.9]	275 (2.3) [0.28]
Composite Wood Edge Filler	550 (4.6) [1.15]	275 (2.3) [0.31]
Extreme Performance Coatings	420 (3.5) [0.51]	275 (2.3) [0.33]
Fillers	500 (4.2) [0.66]	275 (2.3) [0.18]
High-Solid Stains	550 (4.6) [1.23]	350 (2.9) [0.42]
Inks	500 (4.2) [0.96]	500 (4.2) [0.96]
Mold-Seal Coatings	750 (6.3) [4.2]	750 (6.3) [4.2]
Multi-Colored Coatings	685 (5.7) [2.6]	275 (2.3) [0.33]

VOC LIMITS

Grams Per Liter (lb/gal) of Material

COATING	Current Limit	On and After 7/1/2005
Low-Solids Barrier Coat - Plastic Components	760 (6.3)	120 (1.0)
Low-Solid Stains, Toners, and Washcoats	480 (4.0)	120 (1.0)

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1136 06-14-1996]

Any coating subject to this rule that meets any of the three VOC limit formats (grams per liter, lb/gal, or lbs VOC/lb of solids) is in compliance with this subparagraph.

(4) The VOC limit for japan coatings is 700 grams per liter of coatings, less water and exempt compounds, as applied.

(b) A person shall not use a stripper on wood products unless:

(1) it contains less than 350 grams of VOC per liter of material; or

(2) the VOC composite vapor pressure is 2 mm Hg (0.04 psia) or less at 20°C (68°F).

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1140 02-01-1980]

(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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1140 08-02-1985]

(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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1145 12-03-2004]

A person shall not apply on plastics, glass, leather, or rubber any coatings which are applied with a VOC content in excess of the limits specified below:

	VOC Limits Less Water and Less Exempt Compounds Effective Dates									
	Current		Jan 1, 2005		Jan 1, 2006		Jan 1, 2007		Jan 1, 2008	
COATING CATEGORIES	g/L	lbs/gal	g/L	lbs/gal	g/L	lbs/gal	g/L	lbs/gal	g/L	lbs/gal
Electrical dissipating and shock free coatings	360	3.0								
Extreme performance two-component coatings	NA		NA		420	3.5				
General one-component coatings	275	2.3					120	1.0		
General two-component coatings	420	3.5			300	2.5			120	1.0
Leather antique coatings			156	1.3						
Leather color coatings			60	0.5						
Leather sealer coatings			60	0.5						
Leather stain coatings			216	1.8						
Leather top coatings			120	1.0						
Metallic coatings	420	3.5								
Military specification one-component coatings	340	2.8								
Military specification two-component coatings	420	3.5								
Mirror backing curtain coated coatings	500	4.2								
Mirror backing rolled coated coatings	430	3.6					312	2.6		
Mold seal coatings	750	6.3								
Multi-colored coatings	685	5.7								
Optical coatings	800	6.7					50	0.4		
Vacuum metalizing coatings	800	6.7								

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1145 02-14-1997]

Except as otherwise provided in Rule 1145, the operator shall not apply on plastics, glass, or rubber any coatings which are applied with a VOC content in excess of the limits specified below:

COATING	VOC LIMITS Less Water and Less Exempt Compounds			
	Current		On and After 1-1-98	
	g/L	lbs/gal	g/L	lbs/gal
General Coatings				
One-component	275	2.3	275	2.3
Two-component	420	3.5	420	3.5
Military Spec. Coating				
One-component	340	2.8	340	2.8
Two-component	420	3.5	420	3.5
Multi-Colored Coatings	685	5.7	685	5.7
Mold Seal Coatings	750	6.3	750	6.3
Vacuum Metalizing Coatings	800	6.7	800	6.7
Mirror Backing				
Curtain Coated	500	4.2	500	4.2
Roll Coated	430	3.6	430	3.6
Optical Coatings	800	6.7	800	6.7
Electric Dissipating Coatings and Shock-Free Coatings	800	6.7	360	3.0
Metallic Coatings	420	3.5	420	3.5

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1151 12-11-1998]

Except as otherwise provided in Rule 1151

(1) VOC Content of Coatings

A person shall not apply a coating to Group I vehicles and equipment, and Group II vehicles, or their parts and components, which has a VOC content which exceeds the limits contained in subparagraphs (1)(A) and (1)(B). Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment, or parts and components.

(A) Group I Vehicles and Equipment

The operator who applies coatings to Group I vehicles and equipment, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 1.

TABLE 1

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

COATING	On and After December 12, 1998 g/L	lb/gal
Pretreatment	780	6.5
Primer/Primer Surfacer/ Primer Sealer	250	2.1
Topcoats		
General	340	2.8
Metallic/Iridescent	340*	2.8*
Multi-Colored	685	5.7
Multistage	340*	2.8*
Specialty Coating	840	7.0

*The VOC limits for Metallic/Irridescent and Multistage topcoats for spot repairs on Group I vehicles and mobil equipment will be 3.5 lb/gal (less water and exempt compounds).

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1151 12-11-1998]

(B) Group II Vehicles

The operator who applies coatings to Group II vehicles, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 2.

TABLE 2

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

COATING	On and After December 12, 1998		On and After July 1, 1999		On and After October 1, 1999	
	g/L	lb/gal	g/L	lb/gal	g/L	lb/gal
Pretreatment	780	6.5	780	6.5	780	6.5
Primer/Primer Surfacer	250	2.1	250	2.1	250	2.1
Primer Sealer	340	2.8	340	2.8	340	2.8
Topcoats						
General	420	3.5	420	3.5	420	3.5
Metallic/Iridescent	420	3.5	420	3.5	420	3.5
Multi-Colored	685	5.7	685	5.7	685	5.7
Multistage System						
≥ 2 gal/day[1]	540	4.5	420[1]	3.5	420	3.5
< 2 gal/day[2]	540	4.5	540[2]	4.5	420	3.5
Multi-Colored Multistage	420	3.5	420	3.5	420	3.5
Specialty Coating	840	7.0	840	7.0	840	7.0

[1] On and after July 1, 1999, any person who uses two gallons or more of combined basecoat and clearcoat, as applied, on any given day shall comply with the 420 g/L (3.5 lb/gal) limit.

[2] Any person who uses less than two gallons of combined basecoat and clearcoat, as applied, on each day up to September 30, 1999 shall comply with the 3.5 lb/gal limit on and after October 1, 1999.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1151 12-11-1998]

(2) Exempt Compounds

The operator shall not apply a coating which contains any Group II exempt compounds as defined in Rule 102 except for methylene chloride; carbon tetrachloride; perchloroethylene; or cyclic, branched, or linear, completely methylated siloxanes (VMS).

(3) Carcinogenic Materials

The operator shall not apply the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1151 12-02-2005]

The following limits of this rule shall sunset on June 30, 2008, and the limits specified in Appendix A shall become effective on July 1, 2008.

Except as otherwise provided in Rule 1151

(1) VOC Content of Coatings

A person shall not apply a coating to Group I vehicles and equipment, and Group II vehicles, or their parts and components, which has a VOC content which exceeds the limits contained in subparagraphs (1)(A) and (1)(B). Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment, or parts and components.

(A) Group I Vehicles and Equipment

A person who applies coatings to Group I vehicles and equipment, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 1.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1151 12-02-2005]

TABLE 1

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

COATING	On and After December 12, 1998 g/L	lb/gal
Pretreatment	780	6.5
Primer/Primer Surfacer/ Primer Sealer	250	2.1
Topcoats		
General	340	2.8
Metallic/Iridescent	340*	2.8*
Multi-Colored	685	5.7
Multistage	340*	2.8*
Specialty Coating	840	7.0

*The VOC limits for Metallic/Iridescent and Multistage topcoats for spot repairs on Group I vehicles and mobile equipment will be 3.5 lb/gal (less water and exempt compounds).

(B) Group II Vehicles

A person who applies coatings to Group II vehicles, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 2.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1151 12-02-2005]

TABLE 2

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

COATING	On and After December 12, 1998		On and After July 1, 1999		On and After October 1, 1999	
	g/L	lb/gal	g/L	lb/gal	g/L	lb/gal
Pretreatment	780	6.5	780	6.5	780	6.5
Primer/Primer Surfacer	250	2.1	250	2.1	250	2.1
Primer Sealer	340	2.8	340	2.8	340	2.8
Topcoats						
General	420	3.5	420	3.5	420	3.5
Metallic/Iridescent	420	3.5	420	3.5	420	3.5
Multi-Colored	685	5.7	685	5.7	685	5.7
Multistage System						
≥ 2 gal/day[1]	540	4.5	420[1]	3.5	420	3.5
< 2 gal/day[2]	540	4.5	540[2]	4.5	420	3.5
Multi-Colored Multistage	420	3.5	420	3.5	420	3.5
Specialty Coating	840	7.0	840	7.0	840	7.0

[1] On and after July 1, 1999, any person who uses two gallons or more of combined basecoat and clearcoat, as applied, on any given day shall comply with the 420 g/L (3.5 lb/gal) limit.

[2] Any person who uses less than two gallons of combined basecoat and clearcoat, as applied, on each day up to September 30, 1999 shall comply with the 3.5 lb/gal limit on and after October 1, 1999.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1151 12-02-2005]

(2) Exempt Compounds

A person shall not apply a coating which contains any Group II exempt compounds as defined in Rule 102 except for methylene chloride; carbon tetrachloride; perchloroethylene; or cyclic, branched, or linear, completely methylated siloxanes (VMS).

(3) Carcinogenic Materials

A person shall not apply the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

Appendix A

Effective July 1, 2008, the emission limits specified in this appendix shall become effective and replace the limits specified above

Except as otherwise provided in Rule 1151

(1) A person shall not apply any coating to a vehicle, mobile equipment, or associated parts or components, that have a VOC content in excess of the limits contained in Table A of this paragraph. Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment or parts and components.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1151 12-02-2005]
Table A – Coating Categories and VOC limits

Coating Categories	**VOC Limits** **Less Water and Less Exempt Compounds** **Effective Dates**					
	July 1, 2008		**January 1, 2009**		**January 1, 2010**	
	g/L	**lb/gal**	**g/L**	**lb/gal**	**g/L**	**lb/gal**
Adhesion Promoter					540	4.5
Clear Coating	250	2.1				
Color Coating	420	3.5				
Multi-Color Coating			680	5.7		
Pretreatment Coating			660	5.5		
Primer					250	2.1
Single-Stage Coating					340	2.8
Temporary Protective Coating			60	0.5		
Truck Bed Liner Coating			310	2.6		
Underbody Coating			430	3.6		
Uniform Finishing Coating			540	4.5		
Any other coating type			250	2.1		

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1151 12-02-2005]

(1) Most Restrictive VOC Limit

If any representation on information on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature supplied by a person that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in paragraph (1), then the lowest VOC content limit shall apply.

(2) VOC Limits Compliance Dates

The VOC limits in effect as of December 2, 2005 shall be applicable until superceded by the VOC limits and effectives dates in Table A of paragraph (1).

(3) Exempt Compounds

A person shall not manufacture, sell, offer for sale, distribute for use in the District, or apply any coating which contains any Group II Exempt Compounds as defined in Rule 102.

(4) Carcinogenic Materials

A person shall not manufacture the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1162 11-17-2000]

The operator shall not use a polyester resin material in a polyester resin operation which has a monomer content in excess of the limits specified in the Table below.

Polyester Resin Materials	Monomer Content in Polyester Resin Materials as Applied (By Weight Percent)
General Purpose Polyester Resin	35
Corrosion-Resistant	48
Fire Retardant	42
High Strength	48
Clear Gel Coat	50
Pigmented Gel Coat	45

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1162 07-08-2005]

The operator shall not use polyester resin material in an open molding system, which has a monomer content in excess of the limits specified in the following Table.

Polyester Resin Materials	Monomer Percentage by Weight as Applied	
	Prior to 11-09-2001	Current Limits
Clear Gel Coat	50	-
For Marble Resins	-	40
For Other Resins	-	44
Pigmented Gel Coat	45	-
White and Off White	-	30
Non-White	-	37
Primer	-	28
Specialty Gel Coats	-	48
General Purpose Resin	35	-
Marble Resins	-	10 or (32 % as supplied, no fillers)
Solid Surface Resins	-	17
Tub/Shower Resins	-	24 or (35 % as supplied, no fillers)
Lamination Resins	-	31 or (35 % as supplied, no fillers)
Others	-	35
Fire Retardant Resin	42	38
Corrosion Resistant Resin	48	48
High Strength Resin	48	40

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 11-07-2003]

(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)

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 11-07-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS 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	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	

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 11-07-2003]

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]

(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 1/1/2010
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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
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	100 (0.83)	

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	**VOC g/l (lb/gal)**	**VOC g/l (lb/gal)**
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 07-14-2006]

(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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 07-14-2006]

	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 Printingl	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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 07-14-2006]

	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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1401 03-04-2005]

The emissions of toxic air contaminants (TAC) from this equipment shall not result in a maximum individual cancer risk (MICR) greater than one in a million, a chronic hazard index (HIC) greater than one for any target organ system, or an acute hazard index (HIA) greater than one for any target organ at any receptor location beyond the property line of this facility. Compliance with this condition shall be demonstrated using TACs identified in Rule 1401 as amended on March 4, 2005 pursuant to the following requirements.

A. A computer tracking and monitoring system shall be installed and maintained.

B. The system shall store information and perform calculations as necessary to determine compliance with the MICR, HIA and HIC limits in this condition pursuant to a District approved Rule 1401 risk assessment procedure as described in Sections C and D of this condition.

C. The system shall calculate the emissions of all acute TAC from all materials used in this equipment on a daily basis as described in paragraphs (i) - (v) of this section.

i. For each day, the system shall calculate the estimated emissions (in pounds) of all acute TAC from all TAC-containing materials expected to be used in this equipment prior to each material being used.

ii. For each day, the system shall calculate the actual emissions (in pounds) of all acute TAC from all materials actually used in this equipment. The system shall replace the estimated acute TAC emissions with the actual acute TAC emissions after each material is used in this equipment.

iii. During each day, the system shall calculate the accumulated acute TAC emissions (in pounds) using the actual and estimated emissions. Prior to using any material in this equipment, the accumulated emissions of each acute TAC shall be used to calculate the resulting decimal fraction for each acute TAC compared to its respective Tier 1 acute screening emission level. The sum of the individual acute TAC decimal fractions shall be no greater than 1.0 unless compliance is demonstrated using the procedures specified in section (C)(v) below.

iv. Whenever the sum of the individual acute TAC decimal fractions exceeds 0.5, the system shall automatically notify the equipment operator and other appropriate personnel.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1401 03-04-2005]

v. If the sum of the individual acute TAC decimal fractions using actual daily emissions exceeds 1.0, a refined analysis shall be performed using maximum hourly acute TAC emissions and District approved Rule 1401 Tier 1 risk assessment procedures within 72 hours. If the refined Tier 1 risk assessment shows that the screening levels are exceeded, a detailed risk assessment using Tier 2, 3 or 4 methods pursuant to a District approved Rule 1401 Tier 1 risk assessment procedure shall be performed to demonstrate compliance with the HIA limit of 1.0. Such analysis shall be completed within five business days of the refined Tier 1 risk assessment that led to the Tier 2, 3 or 4 risk assessment. If a Tier 3 or 4 risk assessment is performed to demonstrate compliance, a copy of the risk assessment and all supporting data shall be submitted to the District within four business days of completion.

D. The system shall calculate the actual calendar year-to-date emissions of all carcinogenic and/or chronic TAC from all materials used in this equipment as described in paragraphs (i) - (iii) of this section.

i. The system shall calculate the accumulated calendar year emissions (in pounds) of each carcinogenic and/or chronic TAC from all materials used in this equipment. The accumulated emissions of each carcinogenic and/or chronic TAC shall be used to calculate the resulting decimal fraction for each carcinogenic and/or chronic TAC compared to its respective Tier 1 cancer/chronic screening emission level. The sum of the individual carcinogenic and/or chronic TAC decimal fractions shall be no greater than 1.0 unless compliance is demonstrated using the procedures specified in section (D)(iii) below.

ii. The calculations specified in section (D)(i) above shall be performed on a monthly basis if the sum of the individual carcinogenic and/or chronic TAC decimal fractions is less than or equal to 0.5, on a weekly basis if the sum of the individual carcinogenic and/or chronic TAC decimal fractions is greater than 0.5 but less than or equal to 0.8, or on a daily basis if the sum of the individual carcinogenic and/or chronic TAC decimal fractions is greater than 0.8.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 1401 03-04-2005]

iii. If the sum of the individual carcinogenic and/or chronic TAC decimal fractions exceeds 0.95, a detailed risk assessment using Tier 2, 3 or 4 methods pursuant to a District approved Rule 1401 risk assessment procedure using the accumulated actual calendar year emissions and estimated emissions for the day shall be performed on each day before a material containing any carcinogenic or chronic TAC is used to demonstrate that the use of the proposed material for that day will not cause an exceedance of the HIC limit of 1 or the MICR limit of one in a million. If the actual emissions of any carcinogenic or chronic TAC is greater than the estimated value used in the original risk assessment conducted for that day, a second risk assessment shall be performed using the actual emissions for that day to determine if either the HIC limit of 1 or the MICR limit of one in a million was exceeded. If a Tier 3 or 4 risk assessment is performed to demonstrate compliance, a copy of the risk assessment and all supporting data shall be submitted to the district within four business days of completion.

E. The operator shall submit to the District a Rule 1401 compliance report for this equipment on an annual basis. The report shall include a detailed risk assessment based on all TAC emissions from all materials used in this equipment for the calendar year pursuant to a District approved Rule 1401 risk assessment procedure. The report shall be submitted to the District by February 1 of each year, with the first report due February 1, 2006.

F. The operator shall keep adequate records for this equipment to verify compliance with the requirements of this condition. All records shall be prepared in a format which is acceptable to the District, shall be retained on the premises for at least five years and shall be made available to District personnel upon request.

G. If the computer tracking and monitoring system is down, calculations and notifications required to demonstrate compliance with this condition may be performed manually provided all data and calculations are recorded and entered into the system when it comes back on line.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 404 02-07-1986]

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 404 02-07-1986]

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
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 404 02-07-1986]

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
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
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 405 02-07-1986]

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN CORP. AIRCRAFT DIV

APPENDIX B: RULE EMISSION LIMITS
[RULE 405 02-07-1986]

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
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
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