FACILITY PERMIT TO OPERATE

NORTHROP GRUMMAN SYSTEMS CORPORATION
1 SPACE PARK BLDGS. D1,3,4,M3,R1
REDONDO BEACH, CA 90278

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

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FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR:	NORTHROP GRUMMAN SYSTEMS CORPORATION
LEGAL OPERATOR (if different than owner):	
EQUIPMENT LOCATION:	1 SPACE PARK BLDGS. D1,3,4,M3,R1 REDONDO BEACH, CA 90278
MAILING ADDRESS:	ONE SPACE PARK R11/2000 REDONDO BEACH, CA 90278
RESPONSIBLE OFFICIAL:	DAVID M DICARLO
TITLE:	VICE PRESIDENT & GENERAL MANAGER
TELEPHONE NUMBER:	(310) 813-7546
CONTACT PERSON:	ANTONIO S. LU
TITLE:	SENIOR ENVIRONMENTAL ENGINEER
TELEPHONE NUMBER:	(310) 814-8576
TITLE V PERMIT ISSUED:	May 09, 2005
TITLE V PERMIT EXPIRATION DATE:	May 08, 2010

TITLE V	RECLAIM	
YES	NOx:	YES
	SOx:	NO
	CYCLE:	2
	ZONE:	COASTAL

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

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 07/01/2009 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
7/2006	6/2007	Coastal	7082	0	0
1/2007	12/2007	Coastal	0	0	0
7/2007	6/2008	Coastal	7082	0	0
1/2008	12/2008	Coastal	0	0	0
7/2008	6/2009	Coastal	7082	0	191
1/2009	12/2009	Coastal	0	4903	0
7/2009	6/2010	Coastal	7082	15871	382
1/2010	12/2010	Coastal	0	1200	0
7/2010	6/2011	Coastal	7082	5680	574
1/2011	12/2011	Coastal	0	7800	0
7/2011	6/2012	Coastal	7082	5489	765
1/2012	12/2012	Coastal	0	7800	0
7/2012	6/2013	Coastal	7082	5489	765
1/2013	12/2013	Coastal	0	7800	0
7/2013	6/2014	Coastal	7082	5489	765
1/2014	12/2014	Coastal	0	7800	0
7/2014	6/2015	Coastal	7082	5489	765

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 SYSTEMS CORPORATION

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 07/01/2009 (pounds)	Non-Tradable [2] Non-Usable RTCs (pounds)
1/2015	12/2015	Coastal	0	7800	0
7/2015	6/2016	Coastal	7082	5489	765
1/2016	12/2016	Coastal	0	7800	0
7/2016	6/2017	Coastal	7082	5489	765
1/2017	12/2017	Coastal	0	7800	0
7/2017	6/2018	Coastal	7082	5489	765
1/2018	12/2018	Coastal	0	7800	0
7/2018	6/2019	Coastal	7082	5489	765
1/2019	12/2019	Coastal	0	7800	0
7/2019	6/2020	Coastal	7082	5489	765
1/2020	12/2020	Coastal	0	7800	0
7/2020	6/2021	Coastal	7082	5489	765
1/2021	12/2021	Coastal	0	7800	0
7/2021	6/2022	Coastal	7082	5489	765
1/2022	12/2022	Coastal	0	7800	0
7/2022	6/2023	Coastal	7082	5489	765
1/2023	12/2023	Coastal	0	7800	0

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
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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)	Year End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC Holding as of 07/01/2009 (pounds) [1]	Non-Tradable Non-Usable RTCs (pounds) [2]
7/2023	6/2024	Coastal	7082	5489	765
1/2024	12/2024	Coastal	0	7800	0

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 SYSTEMS CORPORATION

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)
7/1994	6/1995	Coastal	22610	0

FACILITY PERMIT TO OPERATE
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SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: FABRICATED METALS					
System 5: AIR POLLUTION CONTROL SYSTEM					
SCRUBBER, PACKED BED, M3, WIDTH: 9 FT ; HEIGHT: 8 FT ; LENGTH: 16 FT A/N:	C162			**PM**: (9) [**RULE 404, 2-7-1986**]	B163.1, C8.3, C8.4, E158.1
Process 2: SOLDER SYSTEM					
SOLDER MACHINE, F1, SOLDER FLUX TANK A/N: 412498	D156			**PM**: (9) [**RULE 405, 2-7-1986**]	B27.1, C1.7
Process 5: DEGREASERS					
DEGREASER, VAPOR, LOW EMISSION, VACUUM TYPE, SEREC, PERCHLOROETHYLENE, STEAM AND ELECTRICALLY HEATED, WITH A REFRIGERATED CHILLER, WITH VAPOR RECOVERY SYSTEM, ACTIVATED CARBON ADSORPTION, CONDENSER, WIDTH: 4 FT 6 IN; LENGTH: 8 FT 6 IN; HEIGHT: 1 FT ; 16 KW WITH A/N: 412504 TANK, DISTILLATION, 200 GALS STORAGE TANK, SOLVENT, 380 GALS BOILER, 75 KW CARBON ADSORBER, 205 LBS	D171			**HAP**: (10) [**40CFR 63 Subpart T, #1, 12-8-2000**]	B27.1, C1.9, E149.1, E166.1
Process 6: COATINGS					

* (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 6: COATINGS					
SPRAY COATING OPERATION, BLEEKER, FLOOR FILTER TYPE, MODEL F-16-20-20, 16FT W. X 20FT H. X 24FT 2 IN D., NINETY-NINE 20IN X 20IN EXHAUST FILTERS, WITH SPRAY BOOTH A/N: 412499	D76			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.1, C6.2, D322.1, E160.1, E175.1, H23.3, K67.3
SPRAY COATING OPERATION, BINKS, MODEL NO. PFF-20-8-TLH, 33FT 8IN W. X 9FT 8 IN L. X 8FT H., FORTY 20 IN X 20 IN EXHAUST FILTERS, WITH SPRAY BOOTH A/N: 412567	D78			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1136, 6-14-1996; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.2, C6.2, D322.1, E160.1, E175.1, H23.3, K67.3
SPRAY COATING OPERATION, DEVILBISS, FLOOR FILTER TYPE, MODEL XDF-528, 8FT 4IN W X 8FT 2IN H X 12FT 2IN D, WITH SPRAY BOOTH A/N: 451155	D81			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.4, C6.2, D322.1, E160.1, E175.1, H23.3, K67.3
SPRAY COATING OPERATION, BINKS, FLOOR TYPE, MODEL FA-10-8-T-LH, 10FT W. X 33FT 6IN L. X 8FT H., TWO ANDRE FILTERS, WITH SPRAY BOOTH A/N: 412577	D82			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.17, C6.2, D322.1, E160.1, E175.1, H23.3, K67.3
SPRAY COATING OPERATION, DEVILBISS, BENCH TYPE, 4FT 4IN W. X 5FT 2IN L. X 5FT 8IN H., FOUR 20 IN X 25 IN EXHAUST FILTERS, WITH SPRAY BOOTH A/N: 412532	D83			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.1, C6.2, D322.1, E160.1, E175.1, H23.3, K67.3
OVEN, ELECTRIC, DESPATCH, SPECIAL MODEL, 170 KW A/N: 412511	D84			**PM**: (9) [**RULE 404, 2-7-1986**]	D323.1

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

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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 6: COATINGS					
OVEN, CALLAHAN, MODEL EJ-20101-40020 FT W. X 20 FT L. X 10FT H., NATURAL GAS, 3.5 MMBTU/HR A/N: 412512	D144		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) [**RULE 407, 4-2-1982**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	C1.6, D323.1
OVEN, ELECTRIC, OVEN SYSTEMS, 12FT W. X 22FT L. X 9FT H. A/N: 412524	D87			**PM**: (9) [**RULE 404, 2-7-1986**]	C1.5, C6.3
SPRAY COATING OPERATION, 10 FT W. X 8 FT-8 INCH L. X 8 FT H., WITH TWENTYFOUR 20" X 20" EXHAUST FILTERS, WITH SPRAY BOOTH A/N: 412486	D224			**PM**: (9) [**RULE 404, 2-7-1986**]; **VOC**: (9) [**RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	A63.5, C6.2, D322.1, E71.2, E160.1, E175.1, H23.4, K67.3
Process 7: EXTERNAL COMBUSTION					
System 1: BOILERS					
BOILER, NATURAL GAS, AJAX, MODEL WGFD-6000, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 6 MMBTU/HR WITH A/N: 412534 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR	D88		NOX: PROCESS UNIT**	**CO**: 400 PPMV (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 (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1

* (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 SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: EXTERNAL COMBUSTION					
BOILER, NATURAL GAS, AJAX, MODEL WGFD-5000, WITH STAGED COMBUSTION, FLUE GAS RECIRCULATION, 5 MMBTU/HR WITH A/N: 412536 BURNER, WITH STAGED COMBUSTION	D90		NOX: PROCESS UNIT**	**CO**: 400 PPMV (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 (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1
BOILER, NATURAL GAS, AJAX, MODEL WG-6500, WITH STAGED COMBUSTION, FLUE GAS RECIRCULATION, 6.5 MMBTU/HR WITH A/N: 412569 BURNER, WITH STAGED COMBUSTION	D91		NOX: PROCESS UNIT**	**CO**: 400 PPMV (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 (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1

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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.)
(9) See App B for Emission Limits
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: EXTERNAL COMBUSTION					
BOILER, NATURAL GAS, AJAX, MODEL WG-5500, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 5.5 MMBTU/HR WITH A/N: 412506 BURNER, NATURAL GAS, POWERFLAME, WITH LOW NOX BURNER, 5.5 MMBTU/HR	D93		NOX: PROCESS UNIT**	**CO**: 400 PPMV (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV (4) [**RULE 2005, 5-6-2005**]; **NOX**: 38.46 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1
BOILER, NATURAL GAS, AJAX, MODEL WGFD-4750, WITH STAGED COMBUSTION, FLUE GAS RECIRCULATION, 4.75 MMBTU/HR WITH A/N: 412571 BURNER, NATURAL GAS, POWERFLAME, WITH LOW NOX BURNER, 4.75 MMBTU/HR	D94		NOX: PROCESS UNIT**	**CO**: 400 PPMV (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV (4) [**RULE 2005, 5-6-2005**]; **NOX**: 38.46 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1

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(6) Denotes air toxic control rule limit
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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 7: EXTERNAL COMBUSTION					
BOILER, NATURAL GAS, AJAX, MODEL WGFD-4750, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 4.75 MMBTU/HR WITH A/N: 412572 BURNER, NATURAL GAS, POWERFLAME, WITH LOW NOX BURNER, 4.75 MMBTU/HR	D95		NOX: PROCESS UNIT**	**CO**: 400 PPMV (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 PPMV (4) [**RULE 2005, 5-6-2005**]; **NOX**: 38.46 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1
BOILER, NATURAL GAS, AJAX, MODEL WG-4500, 4.5 MMBTU/HR A/N: 412528	D101		NOX: PROCESS UNIT**	**CO**: 400 PPMV (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1

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(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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** 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 SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: EXTERNAL COMBUSTION					
BOILER, NATURAL GAS, AJAX, MODEL WG-2750, WITH LOW NOX BURNER, 2.6 MMBTU/HR WITH A/N: 412546 BURNER, NATURAL GAS, PARKER, MODEL MFB 22.5, WITH LOW NOX BURNER, 2.6 MMBTU/HR	D102		NOX: PROCESS UNIT**	**CO**: 400 PPMV (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 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 (5) [**RULE 409, 8-7-1981**]	D332.1
BOILER, NGST#804, NATURAL GAS, LOCHINVAR, MODEL CBN2065, WITH LOW NOX BURNER, 2.065 MMBTU/HR WITH A/N: 412540 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 2.065 MMBTU/HR	D179		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 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 (5) [**RULE 409, 8-7-1981**]	D12.1, D332.1

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: EXTERNAL COMBUSTION					
BOILER, NGST#805, NATURAL GAS, LOCHINVAR, MODEL CBN2065, WITH LOW NOX BURNER, 2.065 MMBTU/HR WITH A/N: 412541 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 2.065 MMBTU/HR	D181		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 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 (5) [**RULE 409, 8-7-1981**]	D12.1, D332.1
BOILER, NGST#806, NATURAL GAS, LOCHINVAR, MODEL CBN2065, WITH LOW NOX BURNER, 2.065 MMBTU/HR WITH A/N: 412542 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 2.065 MMBTU/HR	D183		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 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 (5) [**RULE 409, 8-7-1981**]	D12.1, D332.1

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(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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Process 7: EXTERNAL COMBUSTION					
BOILER, NGST#807, NATURAL GAS, LOCHINVAR, MODEL CBN2065, WITH LOW NOX BURNER, 2.065 MMBTU/HR WITH A/N: 412544 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 2.065 MMBTU/HR	D185		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 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 (5) [**RULE 409, 8-7-1981**]	D332.1
BOILER, NGST#808, NATURAL GAS, BRYAN, MODEL RV-300-S-15-FDG-WLX, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 412545 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 3 MMBTU/HR	D187		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 30 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 (5) [**RULE 409, 8-7-1981**]	D12.1, D332.1

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(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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: EXTERNAL COMBUSTION					
BOILER, NGST#818, NATURAL GAS, LOCHINVAR, MODEL CBN1255, WITH LOW NOX BURNER, 1.255 MMBTU/HR WITH A/N: 412549 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 1.255 MMBTU/HR	D203		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146.2, 5-5-2006**]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 38.46 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1
BOILER, NGST#819, NATURAL GAS, LOCHINVAR, MODEL CBN1255, WITH LOW NOX BURNER, 1.255 MMBTU/HR WITH A/N: 412557 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 1.255 MMBTU/HR	D205		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146.2, 5-5-2006**]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 38.46 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1

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

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FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: EXTERNAL COMBUSTION					
BOILER, NGST#814, NATURAL GAS, THERMIFIC, MODEL N1900, WITH LOW NOX BURNER, 1.9 MMBTU/HR WITH A/N: 412552 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 1.9 MMBTU/HR	D211		NOX: PROCESS UNIT**	**CO**: 400 PPMV NATURAL GAS (5) [**RULE 1146.2, 5-5-2006**]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 38.46 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1
BOILER, NATURAL GAS, PARKER, MODEL T3900LR, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 3.9 MMBTU/HR WITH A/N: 412562 BURNER, NATURAL GAS, WITH LOW NOX BURNER, 3.9 MMBTU/HR	D222		NOX: PROCESS UNIT**	**CO**: 100 PPMV NATURAL GAS (4) [**RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **CO**: 400 PPMV (5) [**RULE 1146.1, 5-13-1994;** *RULE 1146.1, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 12 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **NOX**: 12 PPMV NATURAL GAS (3) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D29.2, K40.1

* (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
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FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 7: EXTERNAL COMBUSTION					
BOILER, NATURAL GAS, AJAX, MODEL WRLG-6300, WITH LOW NOX BURNER, 5.4 MMBTU/HR WITH A/N: 422778 BURNER, NATURAL GAS, LOW NOX, 5.4 MMBTU/HR	D233		NOX: PROCESS UNIT**	**CO**: 100 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **CO**: 400 PPMV (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 12 PPMV (4) [**RULE 2005, 5-6-2005**]; **NOX**: 38.46 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1
BOILER, NATURAL GAS, AJAX, MODEL WRLG-6300, WITH LOW NOX BURNER, 5.4 MMBTU/HR WITH A/N: 422782 BURNER, NATURAL GAS, LOW NOX, 5.4 MMBTU/HR	D235		NOX: PROCESS UNIT**	**CO**: 100 PPMV (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **CO**: 400 PPMV (5) [**RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV (5A) [**RULE 407, 4-2-1982**]; **NOX**: 12 PPMV (4) [**RULE 2005, 5-6-2005**]; **NOX**: 38.46 LBS/MMSCF NATURAL GAS (1) [**RULE 2012, 5-6-2005**]; **PM**: 0.1 GRAINS/SCF (5) [**RULE 409, 8-7-1981**]	D332.1
System 2: HEATERS					

* (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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Process 7: EXTERNAL COMBUSTION					
HEATER, NATURAL GAS, CRYOQUIP, MODEL VFTU-600, NITROGEN VAPORIZER, WITH LOW NOX BURNER, 8 MMBTU/HR WITH A/N: 412574 BURNER, NATURAL GAS, COEN, MODEL HTE-9, LOW NOX	D201		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**: 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**: 20 PPMV NATURAL GAS (4) [**RULE 2005, 5-6-2005**]; **NOX**: 20 PPMV NATURAL GAS (3) [**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**]	D12.2, D29.2, K40.1
Process 8: INTERNAL COMBUSTION					
System 1: ICE					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, ALLIS CHALMERS, MODEL 670-T, WITH TURBOCHARGER, 162 HP A/N: 412575	D105		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, C1.22, H23.6, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL NT-855, WITH TURBOCHARGER, 355 HP A/N: 412576	D106		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, C1.22, H23.6, K67.5

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(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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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Process 8: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL 855-G, WITH TURBOCHARGER, 465 HP A/N: 412565	D107		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, C1.22, H23.6, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL VT1410-G, WITH AFTERCOOLER, TURBOCHARGER, 685 HP A/N: 423920	D108		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, C1.20, E71.3, H23.6, K67.1, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL NT-855 G2, WITH TURBOCHARGER, 355 HP A/N: 412526	D111		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, C1.22, H23.6, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL NT 855-F3, WITH TURBOCHARGER, 340 HP A/N: 412527	D112		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, H23.6, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CATERPILLAR, MODEL 3 306B-D1, WITH AFTERCOOLER, TURBOCHARGER, 314 HP A/N: 412564	D113		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, C1.22, H23.6, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, ALLIS CHALMERS, MODEL 670-T, WITH TURBOCHARGER, 162 HP A/N: 412497	D114		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, C1.22, H23.6, K67.5

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(5) (5A) (5B) Denotes command and control emission limit
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Process 8: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, ALLIS CHALMERS, MODEL 670-T, WITH TURBOCHARGER, 162 HP A/N: 412525	D115		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, C1.22, H23.6, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CATERPILLAR, MODEL 3208T, WITH TURBOCHARGER, 240 HP A/N: 412539	D195		NOX: PROCESS UNIT**	**NOX**: 469 LBS/1000 GAL DIESEL (1) [**RULE 2012, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]	B61.3, B61.4, C1.11, C1.22, H23.6, K67.1, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CATERPILLAR, MODEL 3306ATAAC, WITH AFTERCOOLER, TURBOCHARGER, 377 HP A/N: 412488	D221		NOX: PROCESS UNIT**	**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**]	B61.3, B61.4, C1.11, C1.22, H23.6, K67.1, K67.5
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, DEUTZ, MODEL NDC-BF4M2012, WITH TURBOCHARGER, 105 HP A/N: 434302	D239		NOX: PROCESS UNIT**	**CO**: 3.7 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 2005, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.22 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002*]	B61.3, B61.4, C1.11, C1.20, H23.6, K67.1, K67.5

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(3) Denotes RECLAIM concentration limit
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(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 8: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL QSMII-G1, WITH TURBOCHARGER, 395 HP A/N: 445204	D272		NOX: PROCESS UNIT**	**CO**: 3.7 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 2005, 5-6-2005**]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM**: 0.22 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002*]	B61.4, C1.11, C1.20, E448.3, H23.6, K67.5
Process 10: AIR POLLUTION CONTROL DEVICES					
System 1: FUME HOOD					
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438203	C242			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E HEPA, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N:	C243			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.19, D12.3, H23.1

* (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 SYSTEMS CORPORATION

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: AIR POLLUTION CONTROL DEVICES					
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438205	C244			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438206	C246			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438208	C247			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438209	C248			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438211	C249			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1

* (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
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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 10: AIR POLLUTION CONTROL DEVICES					
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438212	C250			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438214	C251			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438217	C252			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E HEPA, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438218	C253			**VOC**: (5) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250EH, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438219	C254			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1

* (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 SYSTEMS CORPORATION

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: AIR POLLUTION CONTROL DEVICES					
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250EH, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 438220	C255			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-550E, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438221	C256			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-550E, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438222	C257			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-550E, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438223	C258			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-550E, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438224	C259			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1

* (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
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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 10: AIR POLLUTION CONTROL DEVICES					
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-550E HEPA, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438225	C260			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-550EH, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438226	C261			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-550EH HEPA, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438228	C262			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-750E, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438229	C263			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.18, D12.3, H23.1
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-750EH HEPA, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438230	C264			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.18, D12.3, H23.1

* (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 SYSTEMS CORPORATION

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: AIR POLLUTION CONTROL DEVICES					
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-550E, WITH TWO PRE-FILTERS, TWO MAIN FILTERS, AND TWO SAFETY FILTERS. A/N: 438121	C265			**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.1, D12.3, H23.1
Process 12: Rule 219 Exempt Equipment/Processes with Source-Specific Requirements					
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,	E189				H23.2
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E190			**VOC**: (9) [**RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	H23.1
RULE 219 EXEMPT EQUIPMENT, LAMINATING EQUIPMENT, LOW USE OR EMISSIONS	E191			**VOC**: (9) [**RULE 1168, 10-3-2003;** *RULE 1168, 1-7-2005;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	B59.1, H23.8
RULE 219 EXEMPT EQUIPMENT, SPRAY COATING ENCLOSURES, < 8 FT3 INTERNAL VOLUME	E192			**VOC**: (9) [**RULE 1107, 11-9-2001;** *RULE 1107, 1-6-2006;* **RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	H23.8
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E193			**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, DEGREASERS, HEATED, < 1.0 FT2	E194				D322.2, H23.1, H339.1, H339.2
RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT	E333			**VOC**: (9) [**RULE 1130.1, 12-13-1996; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	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

** 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 12: Rule 219 Exempt Equipment/Processes with Source-Specific Requirements					
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E334			**PM**: (9) [**RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 404, 2-7-1986; RULE 405, 2-7-1986**]	D322.3, D381.1, E102.2, K67.4
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E335				H23.9
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E336			**VOC**: (9) [**RULE 1145, 2-14-1997;** *RULE 1145, 12-3-2004;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	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

** 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: 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 D: DEVICE ID INDEX

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D78	2	6	0
D81	2	6	0
D82	2	6	0
D83	2	6	0
D84	2	6	0
D87	3	6	0
D88	3	7	1
D90	4	7	1
D91	4	7	1
D93	5	7	1
D94	5	7	1
D95	6	7	1
D101	6	7	1
D102	7	7	1
D105	13	8	1
D106	13	8	1
D107	14	8	1
D108	14	8	1
D111	14	8	1
D112	14	8	1
D113	14	8	1
D114	14	8	1
D115	15	8	1
D144	3	6	0
D156	1	2	0
C162	1	1	5
D171	1	5	0
D179	7	7	1
D181	8	7	1
D183	8	7	1
D185	9	7	1
D187	9	7	1
E189	21	12	0
E190	21	12	0

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SECTION D: DEVICE ID INDEX

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E194	21	12	0
D195	15	8	1
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D203	10	7	1
D205	10	7	1
D211	11	7	1
D221	15	8	1
D222	11	7	1
D224	3	6	0
D233	12	7	1
D235	12	7	1
D239	15	8	1
C242	16	10	1
C243	16	10	1
C244	17	10	1
C246	17	10	1
C247	17	10	1
C248	17	10	1
C249	17	10	1
C250	18	10	1
C251	18	10	1
C252	18	10	1
C253	18	10	1
C254	18	10	1
C255	19	10	1
C256	19	10	1
C257	19	10	1
C258	19	10	1
C259	19	10	1
C260	20	10	1
C261	20	10	1
C262	20	10	1

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
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C264	20	10	1
C265	21	10	1
D272	16	8	1
E333	21	12	0
E334	22	12	0
E335	22	12	0
E336	22	12	0

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:

FACILITY CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT
Single Volatile Hazardous Air Pollutant (VHAP)	Less than 10.0 TONS IN ANY CONSECUTIVE 12-MONTH PERIOD
Combination of Volatile Hazardous Air Pollutants (VHAPs)	Less than 25.0 TONS IN ANY CONSECUTIVE 12-MONTH PERIOD

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:

To ensure compliance with the Volatile Hazardous Air Pollutant (VHAP) emission limits of this condition, the operator shall comply with the following recordkeeping requirements:

(a) Comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).

(b) Within 14 calendar days after the end of each month, total and record VHAP emissions for the month and for the previous 12-month period from all equipment and operations that are required to have written permits or are exempt from written permits pursuant to Rule 219. The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.

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

(d) Retain all purchase invoices for all VHAP-containing material used or stored at the facility, and all waste manifests for all waste VHAP-containing material removed from the facility.

(e) Retain all records required by this permit at the facility for five years, and make all records available to any District personnel upon request.

[**40CFR 63 Subpart DDDDD, 9-13-2004; 40CFR 63 Subpart GG, 12-8-2000; 40CFR 63 Subpart JJ, 12-28-1998; 40CFR 63 Subpart MMMM, 1-2-2004**]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

[RULE 431.2, 9-15-2000]

F14.3 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]

DEVICE CONDITIONS

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 5 LBS IN ANY ONE DAY

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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 : D76, D83]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 10 LBS IN ANY ONE DAY

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

[Devices subject to this condition : D78]

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 14 LBS IN ANY ONE MONTH

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

To ensure compliance with the monthly Volatile Organic Compound (VOC) emission limit(s) of this condition, the operator shall comply with the following recordkeeping requirements:

(1) The operator shall comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).

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

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

(4) The operator shall retain all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility, for 36 months.

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

[Devices subject to this condition : D224]

B. Material/Fuel Type Limits

B27.1 The operator shall not use materials containing any compounds identified in the SCAQMD Rule 1401, as amended 12/07/1990.

[RULE 1401, 12-7-1990]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

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 : D156, D171]

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

methylene chloride

1,1,1 trichloroethane

chloroform

trichloroethylene

carbon tetrachloride

perchloroethylene

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : E191]

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

Compound	weight percent
Sulfur greater than or equal to	0.05

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

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 : D105, D106, D107, D108, D111, D112, D113, D114, D115, D195, D221, D239]

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

Compound	ppm by weight
Sulfur greater than	15

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]

[Devices subject to this condition : D105, D106, D107, D108, D111, D112, D113, D114, D115, D195, D221, D239, D272]

B163.1 The operator shall not use fresh scrubbing solution containing the following:

Toxic compounds as specified in Rule 1401, as amended December 7, 1990

[RULE 1401, 12-7-1990]

[Devices subject to this condition : C162]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the operating time to no more than 1200 hour(s).

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purpose of this condition, operating time shall be defined as the time elapsed between filter changes.

The operator shall not use this equipment unless the exhaust fan is turned on.

The operator shall not operate this equipment near open doorways, open windows, air conditioning, heating ovens or any areas where is likely to be effected by any other equipment.

The operator shall not use this equipment unless the main carbon filter door and sash door are completely closed.

The operator shall set the alarm to warn the operator when the total elapsed operating hour for the main and safety carbon filters reaches 1199 hours or less of operation.

The operator shall replace the main and safety carbon filters with a new one whenever the total elapsed operating hours from the last time the main and safety carbon filters were replaced is 1200 hours or less.

The operator shall replace the main and safety carbon filters with a new one whenever the hydrocarbon sensor detects breakthrough which is indicated as "Approaching Saturation" on the instrument panel for this equipment. The breakthrough shall be set at a TLV between 0 to 50 ppm.

The operator shall dispose of the spent carbon filters properly.

The operator shall keep a log to indicate the date pre-filter, the main and safety carbon filters are replaced. The records shall be kept for a period of at least five years and made available to District personnel upon request.

The operator shall replace the pre-filter whenever the check filter light on panel comes on, or at least when the main carbon filters and safety filters are replaced.

The operator shall not use halogenated solvents to conduct rule 1122 operations in this equipment.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall not vent emissions from any equipment or operations that are conducted outside of this fume hood.

The operator shall not use any heated solvents / cleaners or any container that holds heated solvents /cleaners inside this fume hood.

The operator shall not heat any solvents / cleaners or heat any container that holds solvents / cleaners in this fume hood.

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : C242, C244, C246, C247, C248, C249, C250, C251, C252, C253, C254, C255, C256, C257, C258, C259, C260, C261, C262, C265]

C1.4 The operator shall limit the coating and solvent usage to no more than 6 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 : D81]

C1.5 The operator shall limit the material processed to no more than 40 lb(s) in any one day.

For the purpose of this condition, material processed shall be defined as composite materials containing volatile organic compounds.

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

[Devices subject to this condition : D87]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.6 The operator shall limit the coating and solvent usage to no more than 4 lb(s) in any one day.

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

[Devices subject to this condition : D144]

C1.7 The operator shall limit the material processed to no more than 26 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 : D156]

C1.9 The operator shall limit the material processed to no more than 12 gallon(s) per year.

For the purpose of this condition, material processed shall be defined as perchloroethylene used (not including salvaged perc).

For the purpose of this condition, perchloroethylene usage shall be defined as (sa-ssr)/(s/a), where sa is clean solvent added during month(lbs), ssr is solvent contained in waste during month(lbs), and s/a is the solvent/air interface(ft2).

The operator shall maintain records in a manner approved by 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 : D171]

C1.11 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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.

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

[RULE 1110.2, 2-1-2008; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005**]

[Devices subject to this condition : D105, D106, D107, D108, D111, D112, D113, D114, D115, D195, D221, D239, D272]

C1.17 The operator shall limit the coating and solvent usage to no more than 0.5 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 : D82]

C1.18 The operator shall limit the operating time to no more than 1160 hour(s).

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purpose of this condition, operating time shall be defined as the time elapsed between filter changes.

The operator shall not use this equipment unless the exhaust fan is turned on.

The operator shall not operate this equipment near open doorways, open windows, air conditioning, heating ovens or any areas where is likely to be effected by any other equipment.

The operator shall not use this equipment unless the main carbon filter door and sash door are completely closed.

The operator shall set the alarm to warn the operator when the total elapsed operating hour for the main and safety carbon filters reaches 1159 hours or less of operation.

The operator shall replace the main and safety carbon filters with a new one whenever the total elapsed operating hours from the last time the main and safety carbon filters were replaced is 1160 hours or less.

The operator shall replace the main and safety carbon filters with a new one whenever the hydrocarbon sensor detects breakthrough which is indicated as "Approaching Saturation" on the instrument panel for this equipment. The breakthrough shall be set at a TLV between 0 to 50 ppm.

The operator shall dispose of the spent carbon filters properly.

The operator shall keep a log to indicate the date pre-filter, the main and safety carbon filters are replaced. The records shall be kept for a period of at least five years and made available to District personnel upon request.

The operator shall replace the pre-filter whenever the check filter light on panel comes on, or at least when the main carbon filters and safety filters are replaced.

The operator shall not use halogenated solvents to conduct rule 1122 operations in this equipment.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall not vent emissions from any equipment or operations that are conducted outside of this fume hood.

The operator shall not use any heated solvents / cleaners or any container that holds heated solvents /cleaners inside this fume hood.

The operator shall not heat any solvents / cleaners or heat any container that holds solvents / cleaners in this fume hood.

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : C263, C264]

C1.19 The operator shall limit the operating time to no more than 450 hour(s).

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purpose of this condition, operating time shall be defined as the time elapsed between filter changes.

The operator shall not use this equipment unless the exhaust fan is turned on.

The operator shall not operate this equipment near open doorways, open windows, air conditioning, or any areas where is likely to be effected by any other equipment.

The operator shall not use this equipment unless the main carbon filter door and sash door are completely closed.

The operator shall set the alarm to warn the operator when the total elapsed operating hour for the main and safety carbon filters reaches 449 hours or less of operation.

The operator shall replace the main and safety carbon filters with a new one whenever the total elapsed operating hours from the last time the main and safety carbon filters were replaced is 450 hours or less.

The operator shall replace the main and safety carbon filters with a new one whenever the hydrocarbon sensor detects breakthrough which is indicated as "Approaching Saturation" on the instrument panel for this equipment. The breakthrough shall be set at a TLV between 0 to 50 ppm.

The operator shall dispose of the spent carbon filters properly.

The operator shall keep a log to indicate the date pre-filter, the main and safety carbon filters are replaced. The records shall be kept for a period of at least five years and made available to District personnel upon request.

The operator shall replace the pre-filter whenever the check filter light on panel comes on, or at least when the main carbon filters and safety filters are replaced.

The operator shall not use halogenated solvents to conduct rule 1122 operations in this equipment.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : C243]

C1.20 The operator shall limit the operating time to no more than 50 hour(s) in any one year.

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

For the purpose of this condition, operating time shall be defined as operation for maintenance and testing purposes.

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

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

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D108, D239, D272]

C1.22 The operator shall limit the operating time to no more than 20 hour(s) in any one year.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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.

For the purpose of this condition, operating time shall be defined as operation for maintenance and testing purposes.

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

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

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D105, D106, D107, D111, D113, D114, D115, D195, D221]

C6.2 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 inches water column.

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

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

[Devices subject to this condition : D76, D78, D81, D82, D83, D224]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C6.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 450 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of 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 : D87]

C8.3 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 7 of the pH scale.

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

The operator shall record the parameter being monitored once every 24 hours.

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

[Devices subject to this condition : C162]

C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 280 gpm.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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) flow meter to accurately indicate the flow rate of the scrubbing solution supplied to the spray nozzles.

The operator shall record the parameter being monitored once every 24 hours.

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

[Devices subject to this condition : C162]

D. Monitoring/Testing Requirements

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

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

[Devices subject to this condition : D179, D181, D183, D187]

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

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

[Devices subject to this condition : D201]

D12.3 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the exhaust fan.

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

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 : C242, C243, C244, C246, C247, C248, C249, C250, C251, C252, C253, C254, C255, C256, C257, C258, C259, C260, C261, C262, C263, C264, C265]

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

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

The test shall be conducted at least once every 5-year period with the present 5-year period ending June 30, 2015.

The test shall be conducted to demonstrate compliance with the source testing requirements of Rule 2012 for a Process Unit opting to comply with a NOx concentration limit.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D201, D222]

D322.1 The operator shall perform a weekly inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

[Devices subject to this condition : D76, D78, D81, D82, D83, D224]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D322.2 The operator shall perform a monthly inspection of the cover to assure compliance with Rule 1122(c)(2)(A).

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

[Devices subject to this condition : E194]

D322.3 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 : E334]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

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

1). Stack or emission point identification;

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

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 : D84, D144]

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 the CO concentration 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 : D88, D90, D91, D93, D94, D95, D101, D102, D179, D181, D183, D185, D187, D203, D205, D211, D233, D235]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 : E334]

E. Equipment Operation/Construction Requirements

E71.2 The operator shall only use this equipment to apply coatings to aerospace models.

[**RULE 1124, 9-21-2001**]

[Devices subject to this condition : D224]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

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, in addition to maintenance and testing, this equipment during emergencies resulting in an interruption of service of the primary power supply or during a stage II or III electrical emergency declared by the California Independent System Operator.

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

[Devices subject to this condition : D108]

E102.2 The operator shall discharge dust collected in this equipment only into closed containers.

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

[Devices subject to this condition : E334]

E149.1 The operator shall replace the carbon filters at least once every six(6) months.

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

[Devices subject to this condition : D171]

E158.1 The operator shall maintain a continuous overflow of water from the scrubber sump to prevent build up of contamination.

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

[Devices subject to this condition : C162]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E160.1 The operator shall clean the filters whenever the static differential pressure across the bags is 0.25 inches water column or greater.

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

[Devices subject to this condition : D76, D78, D81, D82, D83, D224]

E166.1 The operator shall keep all openings from this equipment closed when in use except during loading and unloading of the parts to be cleaned.

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

[Devices subject to this condition : D171]

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

filter media at least 2 inches thick

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

[Devices subject to this condition : D76, D78, D81, D82, D83, D224]

E448.3 The operator shall comply with the following requirements:

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

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 : D272]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : E190, E194, C242, C243, C244, C246, C247, C248, C249, C250, C251, C252, C253, C254, C255, C256, C257, C258, C259, C260, C261, C262, C263, C264, C265]

H23.2 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 : E189]

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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
PM	District Rule	481

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

[Devices subject to this condition : D76, D78, D81, D82, D83]

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
VOC	District Rule	442

[**RULE 109, 5-2-2003; RULE 442, 12-15-2000; RULE 481, 1-11-2002**]

[Devices subject to this condition : D224]

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

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

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

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

[Devices subject to this condition : D105, D106, D107, D108, D111, D112, D113, D114, D115, D195, D221, D239, D272]

H23.8 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 : E191, E192, E333, E336]

H23.9 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 : E335]

H339.1 The operator shall determine compliance with Rule 1122(e)(4) requirements by measuring the refrigerant temperature at the degreaser outlet at least once a month. In addition to the recordkeeping requirements in Section K of this Facility Permit, the operator shall keep records of the corrective actions taken when the monitoring demonstrates non-compliance.

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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 : E194]

H339.2 The operator shall determine compliance with Rule 1122(e)(6) requirements by measuring the temperature at the center of the air blanket once a month if the freeboard refrigeration device is used, or measuring the temperature at the center of the superheated solvent vapor zone once a month if superheated vapor system is used. In addition to the recordkeeping requirements in Section K of this Facility Permit, the operator shall keep records of the corrective actions taken when the monitoring demonstrates non-compliance.

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

[Devices subject to this condition : E194]

K. Record Keeping/Reporting

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

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

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

[Devices subject to this condition : D201, D222]

K67.1 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:

The date of operation.

The elapsed time in hours.

The reason for operation.

[RULE 1110.2, 2-1-2008; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**]

[Devices subject to this condition : D108, D195, D221, D239]

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.

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

[Devices subject to this condition : E193]

K67.3 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:

Weekly record of pressure drop across the filter media.

Material Safety Data Sheets for all coatings and solvents used at this facility shall be kept current and made available to District personnel upon request.

The operator shall keep adequate records for this equipment to verify daily and/or calendar monthly volatile organic compound emissions in pounds and the VOC content of each material as applied including water and exempt solvent. All records shall be prepared in a format which is acceptable to the District and shall be made available to District personnel upon request

The name of the person performing the inspection and/or maintenance of the filter media.

The date, time and results of the filter media inspection.

The date, time and description of any maintenance or repairs resulting from the filter media inspection.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D76, D78, D81, D82, D83, D224]

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

The name of the person performing the inspection and/or maintenance of the filter media.

The date, time and results of the inspection.

The date, time and description of any maintenance or repairs resulting from the inspection.

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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 : E334]

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

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

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

All records required by this permit shall be retained on the premises for at least five years and shall be made available to any District representative upon request.

[RULE 1110.2, 2-1-2008; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 6-1-2007; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D105, D106, D107, D108, D111, D112, D113, D114, D115, D195, D221, D239, D272]

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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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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 compound 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 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 Regulation, 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 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. Field and laboratory data forms, strip charts and analyses.

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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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2. The operator shall, as applicable, conduct source tests for every large NOx source no later than June 30, 1997 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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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
System 1: SURFACE PREPARATION					
PROCESS TANK, NO.1, ALKALINE CLEANING, HEATED, 9-KW, WIDTH: 1 FT 7 IN; HEIGHT: 2 FT ; LENGTH: 4 FT A/N: 503256 Permit to Construct Issued: 01/05/10	D276				A433.1, C6.5, E193.1
PROCESS TANK, NO.4, ALKALINE SOAK, HEATED, 27-KW, WIDTH: 2 FT 2 IN; HEIGHT: 7 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D277	C162			A433.1, C6.6, E193.1
PROCESS TANK, NO.6, ALKALINE ETCH, SODIUM HYDROXIDE, HEATED, 27-KW, WIDTH: 2 FT 2 IN; HEIGHT: 7 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D278	C162			A433.1, C6.6, E193.1
PROCESS TANK, NO.8, CONVERSION COATING, UNHEATED, AIR SPARGED, SULFURIC ACID, INORGANIC ACID, WIDTH: 2 FT 2 IN; HEIGHT: 7 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D279	C162			A433.1, E193.1

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

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.10, CHEM FILM, UNHEATED, CHROMIC ACID, BARIUM NIRATE, SODIUM SILICOFLUORIDE, FERRICYANIDE, WIDTH: 2 FT 2 IN; HEIGHT: 7 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D280	C162			A433.1, E193.1
PROCESS TANK, NO.76, COVERED, ACID ETCH/MILL, UNHEATED, TRISODIUM PHOSPHATE, SODIUM FLUORIDE, HYDROCHLORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D317	C162			A433.1, E193.1
PROCESS TANK, NO.77, COVERED, ACID ETCH/MILL, UNHEATED, NITRIC ACID, HYDROFLUORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D318	C162			A433.1, E193.1
PROCESS TANK, NO.79, COVERED, ACID CLEAN, UNHEATED, NITRIC ACID, HYDROFLUORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D319	C162			A433.1, E193.1

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

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.80, COVERED, ACID CLEAN, UNHEATED, NITRIC ACID, HYDROFLUORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D320	C162			A433.1, E193.1
PROCESS TANK, NO.82, PASSIVATION, UNHEATED, NITRIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D321				A433.1, E193.1
PROCESS TANK, NO.84, PASSIVATION, HEATED, SODIUM METASILICATE, SODIUM HYDROXIDE, SODIUM TRIPOLYPHOSPHATE, ROSEN SOAP, WIDTH: 1 FT 8 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D322				A433.1, C6.6, E193.1
PROCESS TANK, NO.85, COVERED, ALKALINE CLEAN, HEATED, DETERGENT, SODIUM HYDROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D323				A433.1, C6.7, E193.1

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

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.86, CLEANING, HEATED, AIR SPARGED, ALKALINE DETERGENT, WIDTH: 4 FT 8 IN; HEIGHT: 3 FT 11.5 IN; LENGTH: 1 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D324	C162			A433.1, C6.8, E193.1
PROCESS TANK, NO.88, ACID CLEAN, HEATED, SULFURIC ACID, SODIUM DICHROMATE, WIDTH: 4 FT 8 IN; HEIGHT: 3 FT 11.5 IN; LENGTH: 1 FT 8 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D325	C162			A433.1, C6.6, E193.1
PROCESS TANK, NO.89, CONVERSION COATING, HEATED, 3-KW, SODIUM HYDROXIDE, WIDTH: 1 FT ; HEIGHT: 1 FT 6 IN; LENGTH: 1 FT 6 IN A/N: 503256 Permit to Construct Issued: 01/05/10	D326				A433.1, C6.9, E193.1
BENCH, HEATED, CHEMICAL ANALYSIS, TECHNICSTRIP AU/ENSTRIP AU-78, LENGTH: 25IN; WIDTH: 25IN; HEIGHT: 36IN; A/N: 503256 Permit to Construct Issued: 01/05/10	D329	C162			A433.5, E193.1
BENCH, HEATED, ETCHING/STRIPPING, NITRIC ACID, SULFURIC ACID, AND SODIUM HYDROXIDE, WIDTH: 32IN; LENGTH: 32IN; HEIGHT: 36IN; A/N: 503256 Permit to Construct Issued: 01/05/10	D330	C162			A433.6, E193.1

* (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
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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 1: FABRICATED METALS					
System 2: COPPER PLATING					
PROCESS TANK, NO.49, ACID CLEAN, UNHEATED, FLUORBORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D301				A433.2, E448.1
PROCESS TANK, NO.51, COPPER PLATE, WITH A 15V, 50 AMP RECTIFIER, HEATED, COPPER PYROPHOSPHATE, AMMONIA, LEAD METHANE SULFONATE, WIDTH: 2 FT 8 IN; HEIGHT: 2 FT ; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D302	C162			A433.2, C6.10, E448.1
PROCESS TANK, NO.52, COPPER PLATE, WITH A 15V, 50 AMP RECTIFIER, HEATED, COPPER PYROPHOSPHATE, AMMONIA, LEAD METHAN SULFONATE, WIDTH: 2 FT 8 IN; HEIGHT: 2 FT ; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D303	C162			A433.2, C6.10, E448.1
PROCESS TANK, NO.54, ACID CLEAN, UNHEATED, SULFURIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D304				A433.2, E448.1

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.56, COPPER PLATE, WITH A 20V, 100 AMP RECTIFIER, HEATED, COPPER CYANIDE, SODIUM CYANIDE, SODIUM CARBONATE, POTASSIUM SODIUM TARTRATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D305	C162			A433.2, C6.11, E448.1
PROCESS TANK, NO.64, COPPER PLATE, WITH A 15V, 25 AMP RECTIFIER, UNHEATED, AIR SPARGED, COPPER SULFATE, SULFURIC ACID, HYDROCHLORIC ACID, WIDTH: 3 FT 9 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D310	C162			A433.2, E448.1
PROCESS TANK, NO.65, COPPER PLATE, WITH A 15V, 25 AMP RECTIFIER, UNHEATED, AIR SPARGED, COPPER SULFATE, SULFURIC ACID, SULFURIC ACID, HYDROCHLORIC ACID, WIDTH: 3 FT 9 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D311	C162			A433.2, E448.1

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.67, COVERED, ACID CLEAN, UNHEATED, SULFURIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D312				A433.2, E448.1
PROCESS TANK, NO.68, COPPER CLEAN, HEATED, DETERGENT, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D313				A433.2, C6.10, E448.1
PROCESS TANK, NO.70, COVERED, ACID CLEAN, UNHEATED, NITRIC ACID, PHOSPHORIC ACID, ACETIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D314				A433.2, E448.1
PROCESS TANK, NO.71, COVERED, ACID CLEAN, UNHEATED, NITRIC ACID, PHOSPHORIC ACID, ACETIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 470065 Permit to Construct Issued: 08/15/07	D315				A433.2, E448.1
System 3: NICKEL PLATING					

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.12, COVERED, ETCH, UNHEATED, NITRIC ACID, HYDROFLUORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 7.25 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D281	C162			A433.3, E448.1
PROCESS TANK, NO.14, ACID CLEAN, UNHEATED, NITRIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D282				A433.3, E448.1
PROCESS TANK, NO.16, ALKALINE ETCH, UNHEATED, SODIUM HYDROXIDE, ZINC OXIDE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D283				A433.3, E448.1
PROCESS TANK, NO.19, COVERED, ELECTROLESS NICKEL, HEATED, ACETIC ACID, TETRASOD SALT, SOD HYPOPHOSPHITE, NH3, LEAD ACE, NI SULFATE, H2SO4, WIDTH: 2 FT ; HEIGHT: 2 FT 4 IN; LENGTH: 3 FT A/N: 481865 Permit to Construct Issued: 08/05/08	D284	C162			A433.3, C6.12, E448.1

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.20, COVERED, ELECTROLESS NICKEL, HEATED, ACETIC ACID, TETRASOD SALT, SOD HYPOPHOSPHITE, NH3, LEAD ACE, NI SULFATE, H2SO4, WIDTH: 1 FT 6 IN; HEIGHT: 1 FT 6 IN; LENGTH: 2 FT 11 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D285	C162			A433.3, C6.12, E448.1
PROCESS TANK, NO.23, COVERED, STRIPPING, UNHEATED, NITRIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D286	C162			A433.3, E448.1
PROCESS TANK, NO.25, COVERED, SOLDER STRIP, UNHEATED, AMMONIUM BIFLUORIDE, HYDROGEN PEROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D287	C162			A433.3, E448.1
PROCESS TANK, NO.26, COVERED, SOLDER STRIP, UNHEATED, AMMONIUM BIFLUORIDE, HYDROGEN PEROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D288	C162			A433.3, E448.1

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.27, ALKALINE CLEAN, HEATED, SODIUM HYDROXIDE, SODIUM METASILICATE, SODIUM CARBONATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D289				A433.3, C6.6, E448.1
PROCESS TANK, NO.29, ACID CLEAN, UNHEATED, HYDROCHLORIC ACID, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D290	C162			A433.3, E448.1
PROCESS TANK, NO.31, NICKEL STRIKE, WITH A 20V, 150 AMP RECTIFIER, UNHEATED, NICKEL CHLORIDE, HYDROCHLORIC ACID, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D291	C162			A433.3, E448.1
PROCESS TANK, NO.33, NICKEL PLATE, WITH A 15V, 25 AMP RECTIFIER, HEATED, NICKEL SULFAMATE, NICKEL BROMIDE, BORIC ACID, WIDTH: 2 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D292	C162			A433.3, C6.14, E448.1

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.35, ALKALINE ETCH, UNHEATED, AMMONIUM PERSULFATE, SODIUM BISULFATE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481865 Permit to Construct Issued: 08/05/08	D293				A433.3, E448.1
System 4: PRECIOUS METAL PLATING					
PROCESS TANK, NO.38, GOLD PLATE, WITH A 15V, 25 AMP RECTIFIER, HEATED, POTASSIUM CYANOAURATE, THALLIUM COMPOUND, OROTEMP SOLUTION, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D294	C162			A433.4, C6.13, E448.1
PROCESS TANK, NO.39, GOLD PLATE, WITH A 15V, 25 AMP RECTIFIER, HEATED, POTASSIUM CYANOAURATE, THALLIUM COMPOUND, OROTEMP SOLUTION, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D295	C162			A433.4, C6.13, E448.1

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.41, ALKALINE RINSE, UNHEATED, SODIUM HYDROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D327				A433.4
PROCESS TANK, NO.42, GOLD PLATE, POTASSIUM AUROCYANIDE, COBALT COMPLEX, NICKEL COMPLEX, POTASSIUM CITRATE, CITRIC ACID, MONOPOTASSIUM PHOSPHATE, WITH A 15V, 50 AMP RECT, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D296	C162			A433.4, C6.10, E448.1
PROCESS TANK, NO.43, GOLD PLATE, POTASSIUM AUROCYANIDE, COBALT COMPLEX, NICKEL COMPLEX, POTASSIUM CITRATE, CITRIC ACID, MONOPOTASSIUM PHOSPHATE, WITH A 15V, 50 AMP RECT, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D297	C162			A433.4, C6.10, E448.1

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.45, GOLD PLATE, WITH A 20V, 100 AMP RECTIFIER, HEATED, POTASSIUM CITRATE, CITRIC ACID, MONOPOTASSIUM PHOSPHATE, POTASSIUM CYANOAURATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D298	C162			A433.4, C6.10, E448.1
PROCESS TANK, NO.73, GOLD PLATE, WITH A 10V, 25 AMP RECTIFIER, HEATED, POTASSIUM GOLD CYANIDE, AMMONIUM HYDROXIDE, WIDTH: 1 FT 2 IN; HEIGHT: 2 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D316	C162			A433.4, C6.1, E448.1
PROCESS TANK, NO.47, TIN/LEAD PLATE, WITH A 15V, 50 AMP RECTIFIER, UNHEATED, TIN FLUOBORATE, LEAD FLUOBORATE, BORIC ACID, FLUORBORIC ACID, PEPTON, WIDTH: 2 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D299	C162			A433.4, E448.1

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.48, TIN PLATE, WITH A 15V, 50 AMP RECTIFIER, UNHEATED, TIN FLUOBORATE, LEAD FLUOBORATE, BORIC ACID, FLUORBORIC ACID, PEPTON, WIDTH: 2 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D300	C162			A433.4, E448.1
PROCESS TANK, NO.59, SILVER PLATE, WITH A 20V, 100 AMP RECTIFIER, UNHEATED, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM CARBONATE, KOH, WIDTH: 1 FT 9 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D306	C162			A433.4, E448.1
PROCESS TANK, NO.60, SILVER STRIKE, WITH A 20V, 100 AMP RECTIFIER, UNHEATED, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM CARBONATE, WIDTH: 1 FT 9 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 6 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D307	C162			A433.4, E448.1

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
PROCESS TANK, NO.61, SILVER PLATE, WITH A 15V, 50 AMP RECTIFIER, UNHEATED, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM CARBONATE, WIDTH: 1 FT 8 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D308	C162			A433.4, E448.1
PROCESS TANK, NO.62, SILVER PLATE, WITH A 15V, 50 AMP RECTIFIER, UNHEATED, POTASSIUM SILVER CYANIDE, POTASSIUM CYANIDE, POTASSIUM ANTIMONY TRATRATE, WIDTH: 2 FT 2 IN; HEIGHT: 1 FT 11.5 IN; LENGTH: 2 FT 8 IN A/N: 481867 Permit to Construct Issued: 08/05/08	D309	C162			A433.4, E448.1
System 5: AIR POLLUTION CONTROL SYSTEM					

* (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 SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: FABRICATED METALS					
SCRUBBER, PACKED BED, M3, WIDTH: 9 FT ; HEIGHT: 8 FT ; LENGTH: 16 FT A/N: 481866 Permit to Construct Issued: 08/05/08	C162	D277 D278 D279 D280 D281 D284 D285 D286 D287 D288 D290 D291 D292 D294 D295 D296 D297 D298 D299 D300 D302 D303 D305 D306 D307 D308 D309 D310 D311 D316 D317 D318 D319 D320 D324 D325 D329 D330		**PM**: (9) [**RULE 404, 2-7-1986**]	C8.3, C8.4, D182.2, E158.1
Process 6: COATINGS					
OVEN, ELECTRIC, SOLVENT CLEANING AND DRYING, GEORGIA OVEN CO, MODEL NO. 12STX, 20" W X 23" D X 28" H A/N: 468746 Permit to Construct Issued: 09/09/08	D274	C243		**PM**: (9) [**RULE 404, 2-7-1986**]	B59.4, B59.5, C6.4, E71.5, E80.4, E448.4, H23.1
OVEN, ELECTRIC, SOLVENT CLEANING AND DRYING, VWR INTERNATIONAL, MODEL NO. 1430S, 25" W X 25" D X 21" H, 0.8 KW A/N: 468748 Permit to Construct Issued: 09/09/08	D275	C243		**PM**: (9) [**RULE 404, 2-7-1986**]	B59.4, B59.5, C6.4, E71.5, E80.3, E448.4, H23.1

* (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 SYSTEMS CORPORATION

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 6: COATINGS					
OVEN, ELECTRIC, SOLVENT CLEANING AND DRYING, VWR INTERNATIONAL, MODEL NO. 1430, 25.5" W X 25" D X 21" H, 0.55 KW A/N: 483363 Permit to Construct Issued: 09/09/08	D332	C243		**PM**: (9) [**RULE 404, 2-7-1986**]	B59.4, B59.5, C6.4, E71.5, E80.5, E448.4, H23.1
Process 8: INTERNAL COMBUSTION					
System 1: ICE					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 12 CYLINDERS, DIESEL FUEL, CATERPILLAR, MODEL C32, WITH AFTERCOOLER, TURBOCHARGER, 1502 HP A/N: 474467 Permit to Construct Issued: 01/22/08	D331		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**: 4.8 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002*]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM10**: 0.15 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]	B61.4, D12.4, E448.5, H23.6, 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 SYSTEMS CORPORATION

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 8: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, 6 CYLINDERS, DIESEL FUEL, JOHN DEERE, MODEL 6068HF285, WITH AFTERCOOLER, TURBOCHARGER, 237 HP A/N: 470067 Permit to Construct Issued: 08/30/07	D328			**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**: 3 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002*]; **PM**: (9) [**RULE 404, 2-7-1986**]; **PM10**: 0.15 GRAM/BHP-HR DIESEL (4) [**RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]	B61.4, D12.4, E448.5, H23.6, K67.5
Process 10: AIR POLLUTION CONTROL DEVICES					
System 1: FUME HOOD					
CARBON FILTER, PORTABLE FUME HOOD, MISONIX, MODEL NO. AU-250E HEPA, WITH ONE PRE-FILTER, ONE MAIN CARBON FILTER AND ONE SAFETY CARBON FILTER. A/N: 468744 Permit to Construct Issued: 09/09/08	C243	D274 D275 D332		**VOC**: (9) [**RULE 1124, 9-21-2001; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	C1.21, D12.3, H23.1

* (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 SYSTEMS CORPORATION

SECTION H: DEVICE ID INDEX

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: DEVICE ID INDEX

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FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: DEVICE ID INDEX

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D315	7	1	2
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D317	2	1	1
D318	2	1	1
D319	2	1	1
D320	3	1	1
D321	3	1	1
D322	3	1	1
D323	3	1	1
D324	4	1	1
D325	4	1	1
D326	4	1	1
D327	12	1	4
D328	18	8	1
D329	4	1	1
D330	4	1	1
D331	17	8	1
D332	17	6	0

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT
Single Volatile Hazardous Air Pollutant (VHAP)	Less than 10.0 TONS IN ANY CONSECUTIVE 12-MONTH PERIOD
Combination of Volatile Hazardous Air Pollutants (VHAPs)	Less than 25.0 TONS IN ANY CONSECUTIVE 12-MONTH PERIOD

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

To ensure compliance with the Volatile Hazardous Air Pollutant (VHAP) emission limits of this condition, the operator shall comply with the following recordkeeping requirements:

(a) Comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).

(b) Within 14 calendar days after the end of each month, total and record VHAP emissions for the month and for the previous 12-month period from all equipment and operations that are required to have written permits or are exempt from written permits pursuant to Rule 219. The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.

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

(d) Retain all purchase invoices for all VHAP-containing material used or stored at the facility, and all waste manifests for all waste VHAP-containing material removed from the facility.

(e) Retain all records required by this permit at the facility for five years, and make all records available to any District personnel upon request.

[**40CFR 63 Subpart DDDDD, 9-13-2004; 40CFR 63 Subpart GG, 12-8-2000; 40CFR 63 Subpart JJ, 12-28-1998; 40CFR 63 Subpart MMMM, 1-2-2004**]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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

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

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

[RULE 431.2, 9-15-2000]

F14.3 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]

DEVICE CONDITIONS

A. Emission Limits

A433.1 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended June 5, 2009, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Sodium Hydroxide	6,84,85,89	30.0
Chrome Compounds	10	1.0

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Chrome Compounds	88	5.0
Nitric Acid	77,82	45.0
Nitric Acid	79,80	28.0
Hydrogen Fluoride	77,79,80	11.0
Sulfuric Acid	88, 8	20.0
Hydrochloric Acid	76	15.0

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D276, D277, D278, D279, D280, D317, D318, D319, D320, D321, D322, D323, D324, D325, D326]

A433.2 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended March 4, 2005, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Copper Compounds	51, 52, 56, 64, 65	67.0
Nitric Acid	70, 71	20.0
Lead Compounds	51, 52	3.0
Ammonia	51, 52	1.0
Sulfuric Acid	54, 64, 65, 67	20.0
Hydrochloric Acid	64, 65	15.0
Phosphoric Acid	70, 71	46

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D301, D302, D303, D304, D305, D310, D311, D312, D313, D314, D315]

A433.3 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended March 4, 2005, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Sodium Hydroxide	16, 27	30.0
Nickel Compounds	31, 33	46.0
Nitric Acid	14, 23	45.0
Nitric Acid	12	53
Hydrogen Fluoride	12	13.0
Ammonia	19, 20	1.0
Lead Compounds	19, 20	3.0
Sulfuric Acid	19, 20	20.0
Hydrochloric Acid	31	15.0
Hydrochloric Acid	29	19

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D281, D282, D283, D284, D285, D286, D287, D288, D289, D290, D291, D292, D293]

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A433.4 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended March 4, 2005, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Sodium Hydroxide	41	30.0
Lead Compounds	47, 48	3.0
Nickel Compounds	42, 43	0.11

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D294, D295, D296, D297, D298, D299, D300, D306, D307, D308, D309, D316, D327]

A433.5 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended March 4, 2005, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)
Lead Compounds	D329	1.0

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D329]

A433.6 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, as amended March 4, 2005, except as identified below up to the following content limit.:

POLLUTANT	TANK NO.	MAX. CONTENT (WT%)

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

Sodium Hydroxide	D330	10.0
Nitric Acid	D330	50.0
Sulfuric Acid	D330	50.0

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D330]

B. Material/Fuel Type Limits

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

halogenated solvent to conduct rule 1122 solvent cleaning.

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : D274, D275, D332]

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

Materials containing any toxic air contaminants identified in the SCAQMD Rule 1401, as amended 3/4/2005, except for the following compounds as listed below:

Methanol

Isopropanol (IPA)

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D274, D275, D332]

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

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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:

Compound	ppm by weight
Sulfur greater than	15

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]

[Devices subject to this condition : D328, D331]

C. Throughput or Operating Parameter Limits

C1.21 The operator shall limit the operating time to no more than 358 hour(s).

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

For the purpose of this condition, operating time shall be defined as the time elapsed between filter changes.

The operator shall not use this equipment unless the exhaust fan is turned on.

The operator shall not operate this equipment near open doorways, open windows, air conditioning, or any areas where is likely to be effected by any other equipment.

The operator shall not use this equipment unless the main carbon filter door and sash door are completely closed.

The operator shall set the alarm to warn the operator when the total elapsed operating hour for the main and safety carbon filters reaches 357 hours or less of operation.

The operator shall replace the main and safety carbon filters with new filters whenever the total elapsed operating hours from the last time the main and safety carbon filters were replaced is 358 hours or less.

The operator shall replace the main and safety carbon filters with a new one whenever the hydrocarbon sensor detects breakthrough which is indicated as "Approaching Saturation" on the instrument panel for this equipment. The breakthrough shall be set at a TLV between 0 to 50 ppm.

The operator shall dispose of the spent carbon filters properly.

The operator shall keep a log to indicate the date pre-filter, the main and safety carbon filters are replaced. The records shall be kept for a period of at least five years and made available to District personnel upon request.

The operator shall replace the pre-filter whenever the check filter light on panel comes on, or at least when the main carbon filters and safety filters are replaced.

The operator shall not use halogenated solvents to conduct rule 1122 operations in this equipment.

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

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : C243]

C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 185 Deg F.

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

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

[Devices subject to this condition : D316]

C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 165 Deg F.

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

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

[Devices subject to this condition : D274, D275, D332]

C6.5 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 175 Deg F.

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

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

[Devices subject to this condition : D276]

C6.6 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 170 Deg F.

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

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:

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

[Devices subject to this condition : D277, D278, D289, D322, D325]

C6.7 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 180 Deg F.

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

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

[Devices subject to this condition : D323]

C6.8 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 140 Deg F.

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

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

[Devices subject to this condition : D324]

C6.9 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 230 Deg F.

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

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

[Devices subject to this condition : D326]

C6.10 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 145 Deg F.

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

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

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

[Devices subject to this condition : D296, D297, D298, D302, D303, D313]

C6.11 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 155 Deg F.

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

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

[Devices subject to this condition : D305]

C6.12 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 200 Deg F.

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

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

[Devices subject to this condition : D284, D285]

C6.13 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 160 Deg F.

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

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

[Devices subject to this condition : D294, D295]

C6.14 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 150 Deg F.

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

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

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

[Devices subject to this condition : D292]

C8.3 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 7 of the pH scale.

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

The operator shall record the parameter being monitored once every 24 hours.

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

[Devices subject to this condition : C162]

C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 280 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the scrubbing solution supplied to the spray nozzles.

The operator shall record the parameter being monitored once every 24 hours.

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

[Devices subject to this condition : C162]

D. Monitoring/Testing Requirements

D12.3 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the exhaust fan.

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : C243]

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NORTHROP GRUMMAN SYSTEMS CORPORATION

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

D12.4 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the the engine.

[RULE 1110.2, 2-1-2008; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 6-1-2007; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D328, D331]

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

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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:

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

The test shall be conducted in accordance with the standard source test protocol to determine the control efficiency of the scrubber.

A written notice of the source test shall be submitted to the District (addressed to South Coast Air Quality Management District, P.O. Box 4941, Diamond Bar, CA 91765) at least 14 days prior to the source testing date so that an observer from the District may be present

Emissions data shall be expressed in terms of pounds per hour particulate

The exhaust flow rate shall be expressed in terms of actual standard cubic feet per minute

The test shall be conducted to determine the particulate control efficiency of the scrubber.

The test shall be conducted and the operating parameters recorded during the test

A testing laboratory 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) shall conduct the test.

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

Two complete copies of the source test reports shall be submitted to the District (addressed to South Coast Air Quality Management District, P.O. Box 4941, Diamond Bar, CA 91765) within 45 days after the source testing date. The source test report shall include, but is not 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]

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

[Devices subject to this condition : C162]

E. Equipment Operation/Construction Requirements

E71.5 The operator shall not use this equipment for cleaning operations unless it is at ambient room temperature.

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : D274, D275, D332]

E80.3 The operator shall not use this equipment when any of the following equipment are operating:

Device ID: D274 [is vented to fume hood C243]

Device ID: D332 [is vented to fume hood C243]

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : D275]

E80.4 The operator shall not use this equipment when any of the following equipment are operating:

Device ID: D275 [is vented to fume hood C243]

Device ID: D332 [is vented to fume hood C243]

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : D274]

E80.5 The operator shall not use this equipment when any of the following equipment are operating:

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

Device ID: D274 [is vented to fume hood C243]

Device ID: D275 [is vented to fume hood C243]

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : D332]

E158.1 The operator shall maintain a continuous overflow of water from the scrubber sump to prevent build up of contamination.

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

[Devices subject to this condition : C162]

E193.1 The operator shall restrict the operation of this equipment as follows:

Tanks containing chrome compounds shall not be air sparged or rectified

[RULE 1401, 3-4-2005; **RULE 1469, 10-9-1998;** RULE 1469, 12-5-2008]

[Devices subject to this condition : D276, D277, D278, D279, D280, D317, D318, D319, D320, D321, D322, D323, D324, D325, D326, D329, D330]

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

Rule 1426 recordkeeping

[RULE 1426, 5-2-2003]

[Devices subject to this condition : D281, D282, D283, D284, D285, D286, D287, D288, D289, D290, D291, D292, D293, D294, D295, D296, D297, D298, D299, D300, D301, D302, D303, D304, D305, D306, D307, D308, D309, D310, D311, D312, D313, D314, D315, D316]

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

E448.4 The operator shall comply with the following requirements:

Whenever solvent cleaning is conducted in this equipment, the oven shall be vented to a fume hood/carbon filter (C243) which has been issued a permit to operate and which is in full operation.

The operator shall either install a non removable venting hose to vent the emission discharge from the vacuum oven into the fume hood/carbon filter (C243) or the point of emission discharge shall be placed inside of the fume hood/carbon filter (C243).

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D274, D275, D332]

E448.5 The operator shall comply with the following requirements:

The engine shall not be operated more than 200 hours in any one year, which includes 50 hours in any one year for maintenance and testing

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

In the event as described in the paragraph above, the engine shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect

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

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

[RULE 1110.2, 2-1-2008; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 6-1-2007; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D328, D331]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[**RULE 1122, 10-1-2004;** RULE 1122, 5-1-2009]

[Devices subject to this condition : C243, D274, D275, D332]

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

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

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

[Devices subject to this condition : D328, D331]

K. Record Keeping/Reporting

K67.5 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:

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

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

All records required by this permit shall be retained on the premises for at least five years and shall be made available to any District representative upon request.

[RULE 1110.2, 2-1-2008; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 6-1-2007; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D328, D331]

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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
412922	1415
423612	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.

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SECTION J: AIR TOXICS

NOT APPLICABLE

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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)]

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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)]

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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)]

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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)]

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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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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 1110.2	2-1-2008	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1122	7-11-1997	Federally enforceable
RULE 1124	9-21-2001	Federally enforceable
RULE 1130.1	12-13-1996	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 1168	1-7-2005	Non federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1168	10-3-2003	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	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	3-4-2005	Non federally enforceable
RULE 1401	6-5-2009	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 1426	5-2-2003	Non federally enforceable
RULE 1469	10-9-1998	Federally enforceable
RULE 1469	12-5-2008	Non federally enforceable
RULE 1470	6-1-2007	Non federally enforceable
RULE 2001	5-6-2005	Federally enforceable
RULE 2002	1-7-2005	Federally enforceable
RULE 2002	2-14-1997	Federally enforceable
RULE 2004	4-6-2007	Non federally enforceable
RULE 2004	5-11-2001	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
RULE 3003	3-16-2001	Non federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
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 JJ	12-28-1998	Federally enforceable
40CFR 63 Subpart MMMM	1-2-2004	Federally enforceable
40CFR 63 Subpart T, #1	12-8-2000	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable

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

1. WATER HEATERS, NATURAL GAS
2. I.C. ENGINES, NATURAL GAS
3. I.C. ENGINES, GASOLINE
4. I.C. ENGINES, PROPANE

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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

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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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1130.1 12-13-1996]

Except as otherwise provided in Rule 1130.1

(1) VOC Content of Screen Printing Materials

The operator shall not apply to any substrate any screen printing material, excluding extreme performance screen printing materials, which contains, as applied, a total amount of VOC in excess of the limits specified in subparagraphs (1)(A), (1)(B), or (1)(C). The applicable VOC limit for a screen printing operation shall be determined by first looking for the product in subparagraph (1)(A). If the product is not listed in subparagraph (1)A), look for the product's substrate in subparagraph (1)(B). If the substrate is not listed in subparagraph (1)(B), look for the applicable limit in subparagraph (1)(C).

In lieu of meeting the requirements in subparagraph (1)(C), the operator may comply with the requirements in paragraph (2) if the screen printing material qualifies for an extreme performance classification under subdivision (e) of Rule 1130.1.

(A) For screen printing coatings and inks used in the production of the following products:

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1130.1 12-13-1996]

PRODUCT	VOC LIMIT grams per Liter of Coating (or Ink), Less water and Less Exempt Compounds On and After December 13, 1996	
	g/L-	lbs/gal-
Chlorine Indicator	500	4.2
Containers	800	6.7
Electronic Circuit	850	7.1
Mechanically-Formed Products	800	6.7
Overlays	800	6.7
Polyethylene Products	800	6.7
Stained Glass Overlay	800	6.7
Sterilization Indicator	600	5.0
Sub-Printed Products	800	6.7
Water Slide Decals:		
Opaque Inks	800	6.7
Clear Inks	800	6.7
Ceramic Decal Inks	800	6.7

(B) For screen printing coatings and inks not regulated by subparagraph (1)(A) and which are applied to the following specified substrates:

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1130.1 12-13-1996]

SUBSTRATE	VOC LIMIT grams per Liter of Coating (or Ink), Less water and Less Exempt Compounds On and After December 13, 1996	
	g/L	lbs/gal
Ceramic	800	6.7
Fiberglass	600	5.0
Glass or Metal	600	5.0
Man-Made Textile	800	6.7
Unsealed Aluminum	800	6.7

If a substrate is regulated under more than one substrate category listed in subparagraph (1)(B), the category with the highest VOC limit shall apply.

(C) For screen printing materials not regulated by the provisions in subparagraph (1)(A) or (1)(B), which have the following material classifications:

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1130.1 12-13-1996]

SCREEN PRINTING MATERIAL	VOC LIMIT grams per Liter of Coating (or Ink or Adhesive), Less water and Less Exempt Compounds	
	On and After December 13, 1996	
	g/L	lbs/gal
Adhesive	400	3.3
Coating	400	3.3
Fine Detail Loose-leaf Binder Ink	745	6.2
Fluorescent Ink	540	4.5
High-VOC Serigraph Ink	800	6.7
Loose-leaf Binder Metallic Ink	745	6.2
Metallic Ink	400	3.3
Printing Ink	400	3.3
Resists	600	5.0
Scratch-Off Ink	800	6.7
Water-Slide Decal Adhesive	800	6.7

If a screen printing material is regulated under more than one screen printing material category listed in subparagraph (1)(C), the category with the highest VOC limit shall apply.

(2) VOC Content of Extreme Performance Screen Printing Materials

The operator shall not apply any extreme performance screen printing material in excess of the limits specified below:

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1130.1 12-13-1996]

	VOC LIMIT Grams of VOC per Liter of ExtremePerformance Screen Printing Material, Less Water and Less Exempt Compounds	
	g/L	lbs/gal
On and after July 9, 1993	800	6.7
On and after January 1, 2003	400	3.3

(3) Usage of High-VOC Serigraph Inks

The total usage of high-VOC serigraph inks, as defined in paragraph (b)(23) of Rule 1130.1, shall not exceed 10 percent, (by volume), of the total usage of screen printing materials applied on all serigraphs at a facility, on a monthly basis, unless an approved emission control system is used to reduce emissions from high-VOC serigraph inks by an equivalent or greater level to that which would have been achieved by the use of an ink containing 3.3 pounds per gallon VOC (less water and exempt compounds). The required overall control efficiency of the emission control system shall be determined by the equation in paragraph (d)(1) of Rule 1130.1.

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 01-07-2005]

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

(2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 01-07-2005]

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 01-07-2005]

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

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

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 01-07-2005]

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 10-03-2003]

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

(2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

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

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 10-03-2003]

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

APPENDIX B: RULE EMISSION LIMITS
[RULE 1168 10-03-2003]

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

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

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

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

FACILITY PERMIT TO OPERATE
NORTHROP GRUMMAN SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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 SYSTEMS CORPORATION

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